85 Jay Street
Tax Block 54, Lot 1
BROOKLYN, NEW YORK

Supplemental Phase II Environmental Site Investigation

AKRF Project Number: 12519

Prepared for:

85 Jay Street (Brooklyn), LLC
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OCTOBER 2016

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted a Supplemental Phase II Environmental Site Investigation at 85 Jay Street in Brooklyn, NY (the Site). The legal definition of the Site is Tax Block 54, Lot 1. The Site is an approximately 135,000-square foot area consisting of a paved parking. The Site location is shown on Figure 1.

The purpose of the supplemental investigation was to support the Brownfield Cleanup Program (BCP) application for the Site. The scope of this investigation was based on feedback from the New York State Department of Environmental Conservation (NYSDEC) during a pre-application meeting on July 25, 2016.

Field activities were performed on August 18 and 19, 2016, and included the advancement of 10 soil borings to approximately 15 feet below grade surface (bgs) with the collection of two soil samples from each boring. This report describes the methods and results of the investigation.

2.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Phase I Environmental Site Assessment (ESA), 85 Jay Street, Brooklyn, NY, AKRF, Inc., November 2002.

AKRF performed a Phase I Environmental Site Assessment (ESA) in November 2002 in accordance with ASTM Standard E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*, which was the standard at the time. Assessment findings included:

- Historical Sanborn maps identified an over 100-year history of industrial and manufacturing uses at the Site, including a lead works from circa 1887 to 1989, an electrical substation on the western portion of the Site from at least 1904 to 1950, and a smelting company, a brewery, a paper goods factory, and an electrical repair company.
- The Site was listed on the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) with two sites (Bradley White Lead Company and Lenox Smelting) investigated simultaneously. Both facilities were listed as No Further Remedial Investigation Planned (NFRAP) after the initial investigation from 1981 to 1987. Nonetheless, the Site may have been impacted by these operations. Although the Phase I ESA identified CERCLIS listings for the Site, an updated database search conducted in 2016 indicated this may have been an erroneous reporting.
- The surrounding area was historically occupied by manufacturing and industrial uses, including a manufactured gas plant (MGP) on the east-adjacent block from circa 1887 to sometime between 1938 and 1950 and a thermoplastic company on the south-adjacent block that was listed in the CERCLIS database with NFRAP status.
- A concrete pad with four steel plates was observed on the southern perimeter of the Site during reconnaissance, which may be associated with the presence or historical presence of underground storage tanks (USTs).

Based on their findings, AKRF recommended conducting a subsurface investigation to determine if soil and/or groundwater contamination was present at the Site.

Phase II Environmental Investigation Report, 85 Jay Street, Brooklyn Heights, Brooklyn, New York, AKRF, Inc., March 2004.

Based on the findings of the November 2002 Phase I ESA, AKRF conducted a subsurface investigation at the Site. The scope of work included the collection and laboratory analysis of 12 soil samples and 5 groundwater samples. The scope of work was submitted to the New York City Department of Environmental Protection (NYCDEP) and revised based on the comments provided. Findings of the investigation included:

- Numerous semivolatile organic compounds (SVOCs) were detected in soil above their respective NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs). The SVOCs detected primarily included polycyclic aromatic hydrocarbons (PAHs) that are commonly found in fill material. SVOC concentrations exceeding RRSCOs were generally typical of historical fill material, but total SVOCs were detected in one soil sample [B-7(0-2)] at a concentration of 822.7 milligrams per kilogram (mg/kg), which may be associated with historical Site operations. Lead was detected in one soil boring at shallow and deep depths with a maximum concentration of 2,720 mg/kg, exceeding the RRSCO of 400 mg/kg. Polychlorinated biphenyls (PCBs) were detected in one soil sample at a concentration above the total PCB RRSCO. No volatile organic compounds (VOCs) or pesticides were detected above applicable RRSCOs.
- Four VOCs were detected in groundwater samples above the NYSDEC Class GA Groundwater Standard: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m,p-xylene, and tetrachloroethene. Several metals were detected above the Class GA Standards in the unfiltered groundwater samples, but only lead, thallium, and selenium were detected above Class GA Standards in filtered groundwater. No SVOCs, pesticides, or PCBs were detected in exceedance of the Class GA Standards.

3.0 PHYSICAL SETTING AND PROPOSED DEVELOPMENT

Surface topography slopes downward toward the northwest, resulting in an approximately 10-foot grade change across the Site. Based on reports compiled by the U.S. Geological Survey (Brooklyn Quadrangle), the Site lies at an elevation of approximately 30 to 40 feet above the National Geodetic Vertical Datum of 1988 (an approximation of sea level).

During a previous investigation, groundwater was encountered from approximately 23 to 35 feet below grade at the Site. Groundwater is assumed to flow in an approximately north-northwesterly direction toward the East River. However, actual groundwater flow at the Site can be affected by many factors including bedrock geology, past filling activities, underground utilities, and other subsurface openings or obstructions such as basements, nearby rail tunnels, and other factors. Groundwater in Brooklyn is not used as a source of potable water.

The proposed redevelopment includes the construction of a 22-story mixed-use building with a partial or full cellar.

4.0 FIELD ACTIVITIES

On-site sampling and drilling activities were conducted on August 18 and 19, 2016 by AKRF personnel and Cascade Technical Services, LLC of Lynbrook, NY. Field activities included the advancement of 10 soil borings with the collection and laboratory analysis of 20 soil samples. Sampling locations are shown on Figure 2.

4.1 Soil Sampling and Analysis

Soil Sampling

Ten borings were advanced at the Site (denoted as SB-1 through SB-10) using a Geoprobe® Direct Push Probe (DPP) drill rig as shown on Figure 2. Borings were advanced to approximately 15 feet below grade. Soil cores were collected from the Geoprobe® borings in 5-foot long, 2-inch diameter, stainless steel macro-core samplers fitted with an internal acetate liner. Soil was field-screened using a photoionization detector (PID), which measures relative concentrations of VOCs. At each boring location, AKRF field personnel recorded and documented subsurface conditions. Two soil samples were collected from each boring for laboratory analysis. Soil boring logs are provided in Appendix A.

Samples slated for laboratory analysis were placed in laboratory-supplied containers in accordance with EPA protocols and were analyzed by TestAmerica Laboratories of Edison, New Jersey, a New York State Department of Health (NYSDOH) ELAP-certified laboratory. The samples were analyzed for the following:

- VOCs by EPA Method 8260;
- SVOC - Base Neutrals (BN) by EPA Method 8270;
- Target Analyte List (TAL) metals; and
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Quality Assurance/Quality Control (QA/QC) Sampling

QA/QC procedures were used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analyses for this investigation. Field QA/QC procedures were used to document that samples are representative of actual conditions at the Site and to identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses were used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix or by laboratory techniques that may have introduced systematic or random errors to the analytical process. QA/QC sampling consisted of one blind duplicate, one matrix spike/matrix spike duplicate (MS/MSD) sample, one field blank sample, and two aqueous trip blank samples. The blind duplicate, MS/MSD, and field blank were analyzed for the same analyte list as the accompanying soil samples. The trip blank samples were analyzed for VOCs by EPA Method 8260. QA/QC samples were analyzed at an ELAP-certified laboratory.

Upon acceptance into the BCP, the Category B laboratory report will be submitted to a third-party data validator as part of the Remedial Investigation. Findings will be reported in a Data Usability Summary Report (DUSR) and data will be amended with updated qualifiers, as necessary, and incorporated into the Remedial Investigation.

The duplicate soil sample had relative percent differences, which is attributed to the heterogeneous nature of the matrix and variable contaminant properties in soil. Methylene

chloride was detected in the field blank and trip blank samples. Methylene chloride was also detected at low levels in all soil samples, which may require a "B" qualifier based on blank sample contamination.

4.2 Field Observations

Soil Sampling

Subsurface materials generally consisted of sand and silt, with varying amounts of gravel. Historic fill constituents, including brick, asphalt, concrete, and glass, were encountered in borings advanced at the Site to a maximum depth of 15 feet below grade. A clay layer (silty clay and clayey silt) was encountered in SB-4, SB-5, and SB-6 between approximately 8 and 12 feet below grade. Bedrock was not encountered.

Elevated PID readings were noted in SB-1 [maximum reading 5.3 parts per million (ppm) at approximately 2 feet below grade], SB-4 (maximum reading 65.7 ppm at approximately 4 feet below grade), and SB-10 (maximum reading 15.4 ppm at approximately 3 feet below grade). No staining or odors were noted in any of the soil borings advanced during the investigation. Results of the field screening data are provided in the soil boring logs included in Appendix A.

5.0 FINDINGS

5.1 Soil Analysis Results

Soil analytical results were compared to NYSDEC 6 NYCRR Part 375 Soil Cleanup Objectives for Restricted – Residential Use (RRSCOs). Soil laboratory analyses results are summarized in Tables 1 to 4. Soil sample concentrations above the NYSDEC RRSCOs are shown on Figure 3. The complete laboratory analytical data sheets are included as Appendix B.

VOCs

Twelve VOCs [1,2-dichloroethane, 2-butanone, acetone (a common laboratory contaminant), benzene, chloroform, methyl acetate, methylene chloride, m,p-xylenes, o-xylene, trichloroethylene (TCE), tetrachloroethylene (PCE), and toluene] were detected in at least one of the soil samples below their respective RRSCOs. Methylene chloride was also detected in the field blank and trip blank samples.

Soil analytical results for VOCs are presented in Table 1.

SVOCs

SVOCs were detected in all soil samples. Most detected compounds were polycyclic aromatic hydrocarbons (PAHs), which are common in fill material. Four SVOCs (benzo(a)pyrene, benzo(b)fluoranthene, benzo(a)anthracene, and indeno(1,2,3-c,d)pyrene) were detected in soil samples SB-X08192016 [the blind duplicate sample for SB-1 (2-4)], SB-2 (10-12), and SB-6 (2-4) at concentrations exceeding their respective RRSCOs, with a maximum concentration of 3,000 micrograms per kilogram (µg/kg) (benzo(b)fluoranthene). Although SVOCs were detected above RRSCOs in the blind duplicate soil sample SB-X, no exceedances of RRSCOs were detected in the parent sample SB-1 (2-4). Soil samples are expected to have greater variance due to the heterogeneous nature of the matrix and variable contaminant properties in soil.

Soil analytical results for SVOCs are presented in Table 2.

Metals

Metals were detected in each of the soil samples analyzed during the investigation. Lead was detected in soil samples SB-1 (2-4) (and the associated field duplicate sample), SB-2 (2-4), SB-2 (10-12), SB-6 (2-4), SB-7 (2-4), and SB-8 (13-15), with a maximum concentration of 10,600 mg/kg at SB-6 (2-4). No other metals were detected in exceedance of their respective RRSCOs.

Soil analytical results for metals are presented in Table 3.

PCBs

PCBs were detected in soil sample SB-10 (2-4) at a concentration of 84 µg/kg, below the total PCB RRSCO of 1,000 µg/kg.

Soil analytical results for PCBs are presented in Table 4.

6.0 CONCLUSIONS AND RECOMMENDATIONS

AKRF conducted a Supplemental Phase II Environmental Site Investigation at 85 Jay Street in Brooklyn, New York. The investigation was conducted to support a BCP application for the Site and included the advancement of 10 soil borings with the collection of 20 soil samples.

Subsurface materials consisted of sand and silt, with varying amounts of gravel and historic fill constituents (including brick, asphalt, concrete, and glass). A clay layer was encountered in three borings between approximately 8 and 12 feet below grade. Bedrock was not encountered.

Elevated PID readings were noted in three borings, with a maximum PID reading of 65.7 ppm in SB-6. No staining or odors were noted in any of the soil borings advanced during the investigation. Bedrock and groundwater were not encountered.

Soil samples were collected from both shallow (2-foot interval between 0 and 5 feet bgs) and deep (2-foot interval between 10 and 15 feet bgs) intervals. The soil samples were analyzed for VOCs by EPA Method 8260, SVOCs-BN by EPA Method 8270, TAL Metals, and PCBs by EPA Method 8082. Soil sample analytical results were compared to NYSDEC 6 NYCRR Part 375 Soil Cleanup Objectives for Restricted – Residential Use (RRSCOs).

Lead was detected at concentrations above the RRSCO in six soil samples, with a maximum concentration of 10,000 mg/kg. Four SVOCs (all PAHs) were detected in exceedance of their respective RRSCOs in two soil samples and the blind duplicate soil sample. No VOCs or PCBs were detected in the soil samples at concentrations exceeding their respective RRSCOs.

6.1 Recommendations

The proposed project includes the excavation of soil for construction of a 22-story mixed-use building with a partial or full cellar. The investigation identified soil containing elevated concentrations of lead and SVOCs. Based on these findings, AKRF recommends:

- A Remedial Investigation Work Plan should be prepared to satisfy NYSDEC's Remedial Investigation requirements (including collection and laboratory analysis of soil, groundwater, and soil vapor samples). Upon acceptance into the BCP, the Remedial Investigation should be conducted in accordance with the NYSDEC-approved Remedial Investigation Work Plan in order to further characterize Site contamination and exposure pathways.
- Based on the findings of the Remedial Investigation, a Remedial Action Work Plan (RAWP) should be prepared for implementation during proposed construction and submitted to the NYSDEC for review and approval. The RAWP should include an exposure assessment and alternatives analysis prepared in accordance with the NYSDEC DER-10 that addresses potential contamination in soil, groundwater, and soil vapor. The RAWP should address soil management, contingencies for potential hot spots or other unknown contamination or tanks, mitigation for potential vapor intrusion, as well as health and safety and community air monitoring measures that are protective of the workers and community during implementation of the remedy.
- Soil and fill materials excavated as part of Site development activities should be properly handled and managed in accordance with applicable regulations and the RAWP. Transportation of material leaving the Site for off-site disposal must be in accordance with federal, state and local regulatory requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- During Site redevelopment, any unexpectedly encountered USTs should be properly closed and removed, along with any contaminated soil. The closure should be performed in accordance with the applicable regulations, including NYSDEC tank registration and spill reporting regulations.

7.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by 85 Jay Street (Brooklyn), LLC. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

8.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions, Recommendations, and Limitations Sections (Sections 6.0 and 7.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

- Requirements of the specific receiving facility;
- Requirements of any agencies overseeing the cleanup/excavation; and
- Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other 'clearly contaminated' materials), the requirements are usually fairly well defined. It is in the situation where contamination is not readily apparent (e.g., so called "historic or urban fill" or "construction and demolition debris" or material that may have been formerly identified as "clean fill") that present the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered "contaminated" for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

For these reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

9.0 REFERENCES

1. U.S. Geological Survey, *Brooklyn, New York Quadrangle*, 7.5 minute Series (Topographic), Scale 1:24,000, 2013.

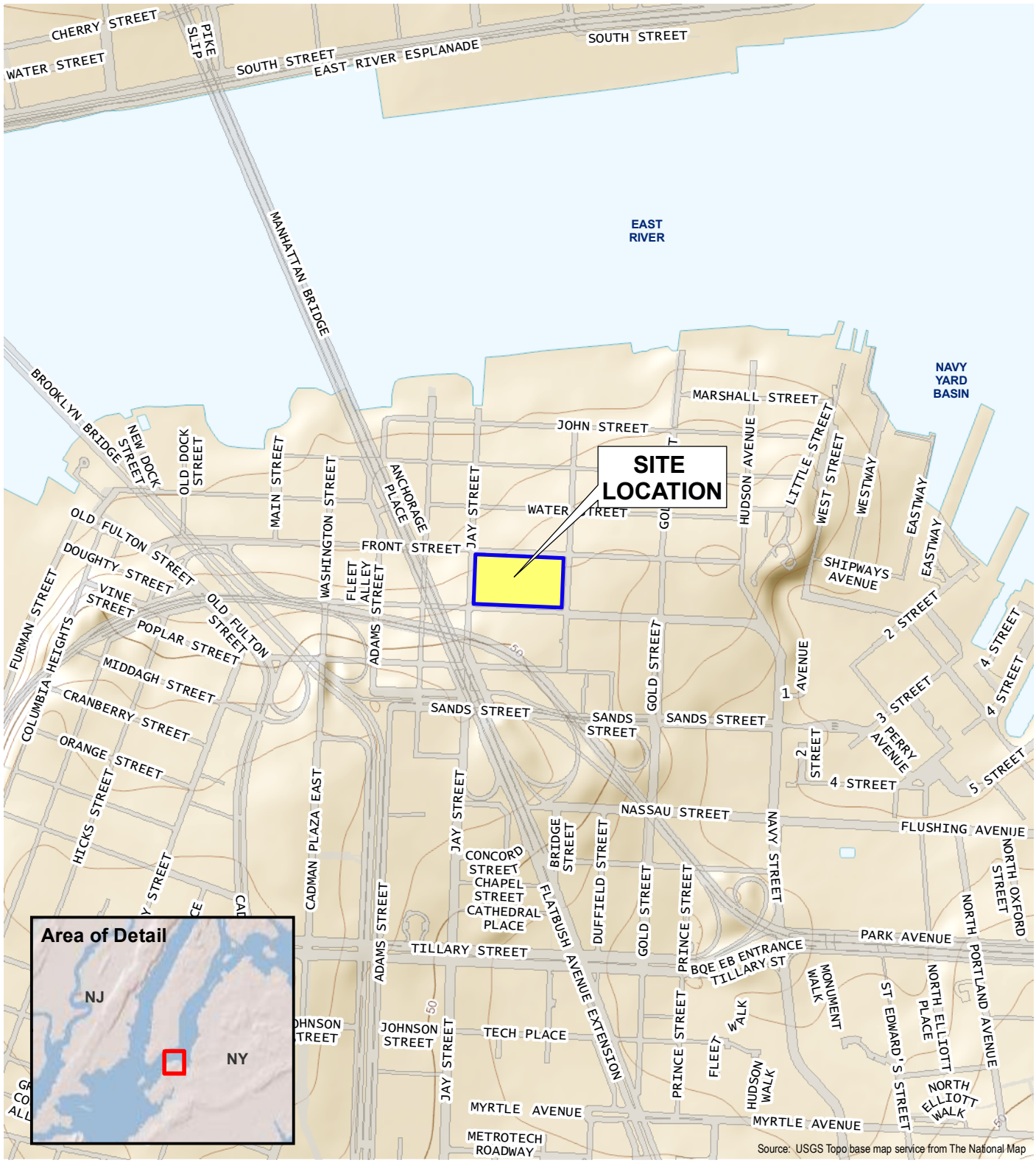
2. Phase I Environmental Site Assessment, 85 Jay Street, Brooklyn, New York, AKRF, Inc., November 2002.

3. Phase II Environmental Investigation Report, 85 Jay Street, Brooklyn Heights, Brooklyn, New York, AKRF, Inc., March 2004.

4. NYSDEC, 6 NYCRR Section 375-6: *Remedial Program Soil Cleanup Objectives (SCOs)*, December 14, 2006.

5. NYSDEC, *DER-10/Technical Guidance for Site Investigation and Remediation*, May 3, 2010.

FIGURES



© 2016 AKRF, Inc. Environmental Consultants W:\Projects\12519 - 88 JAY STREET BROOKLYN\Technical\GIS and Graphics\hazmat\12519 Fig 1 site loc map.mxd

85 Jay Street
Brooklyn, New York

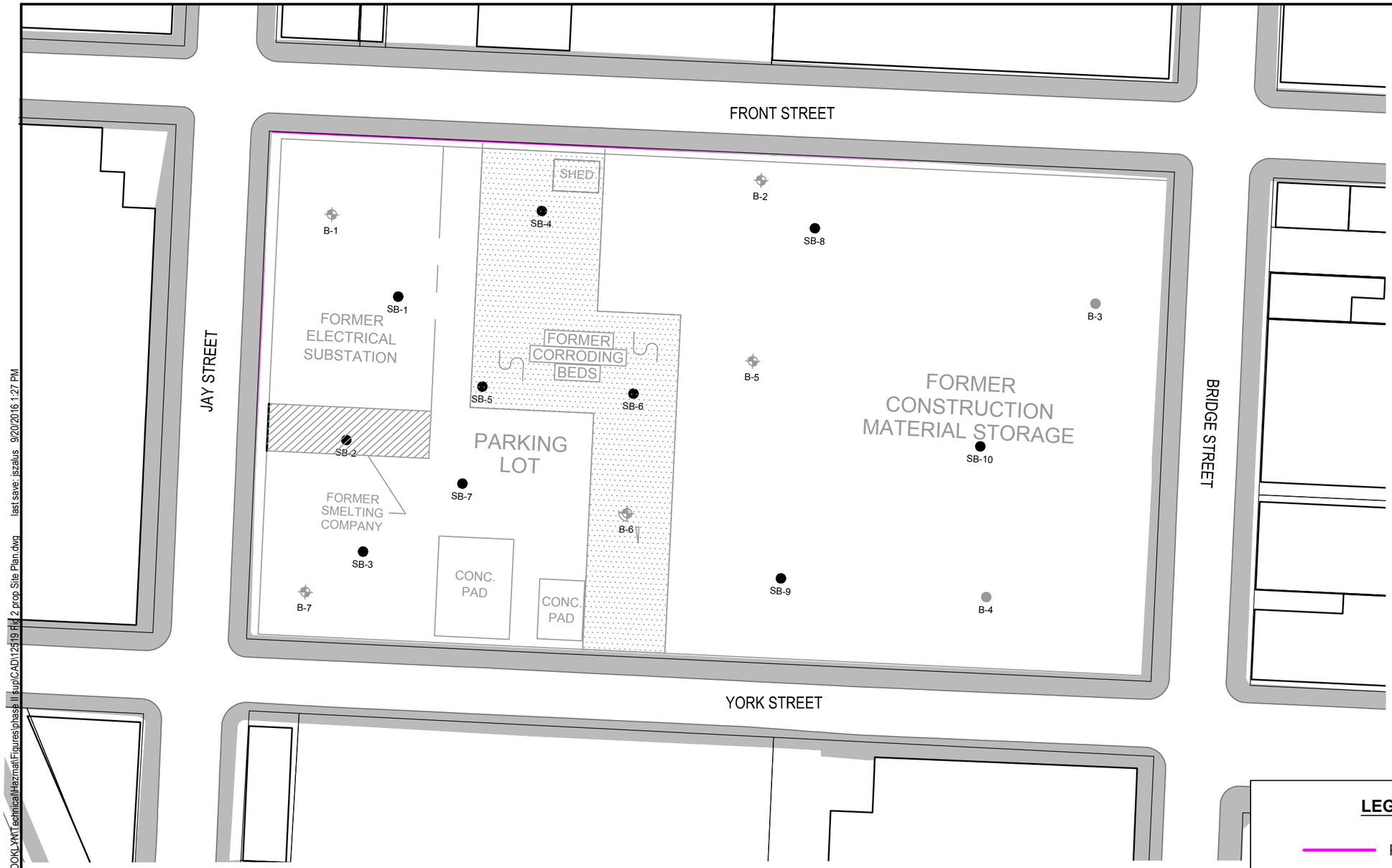
SITE LOCATION

AKRF
Environmental Consultants
440 Park Avenue South, New York, NY 10016

DATE
9/12/2016

PROJECT No.
12519

FIGURE
1



LEGEND:

- PROJECT SITE BOUNDARY
- SB-9 — PROPOSED SAMPLING LOCATION
- APPROXIMATE SOIL SAMPLING LOCATION, 2004 PHASE II
- APPROXIMATE SOIL AND GROUNDWATER SAMPLING LOCATION, 2004 PHASE II

0 30 60 120

SCALE IN FEET

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Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

88 JAY STREET
BROOKLYN, NEW YORK

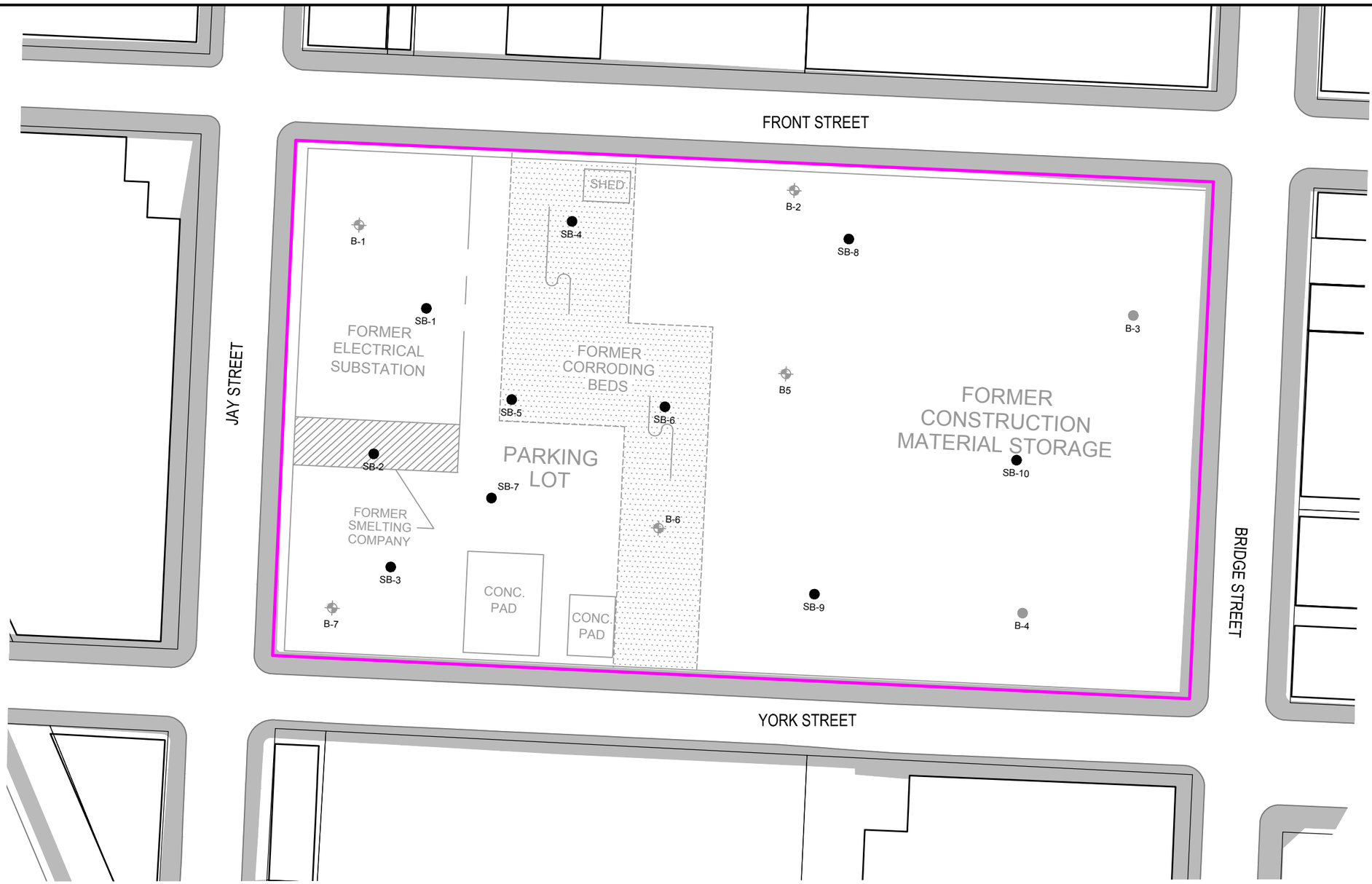
PROPOSED SAMPLING LOCATION

DATE
9/20/2016

PROJECT NO.
12519

FIGURE
2

©2016 AKRF, Inc W:\Projects\12519 - 88 JAY STREET BROOKLYN\Technical\Hazmat\Figures\phase II sup\CAD\12519 Fig 2 prop. Site Plan.dwg last save: iszalus 9/20/2016 1:27 PM



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SCALE IN FEET

LEGEND:

- PROJECT SITE BOUNDARY
- SB-9 — APPROXIMATE SOIL SAMPLING LOCATION, 2016 SUPPLEMENTAL PHASE II
- B-4 — APPROXIMATE SOIL SAMPLING LOCATION, 2004 PHASE II
- B5 — APPROXIMATE SOIL AND GROUNDWATER SAMPLING LOCATION, 2004 PHASE II

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85 JAY STREET
BROOKLYN, NEW YORK

SITE PLAN WITH SAMPLE LOCATIONS

DATE
9/20/2016

PROJECT NO.
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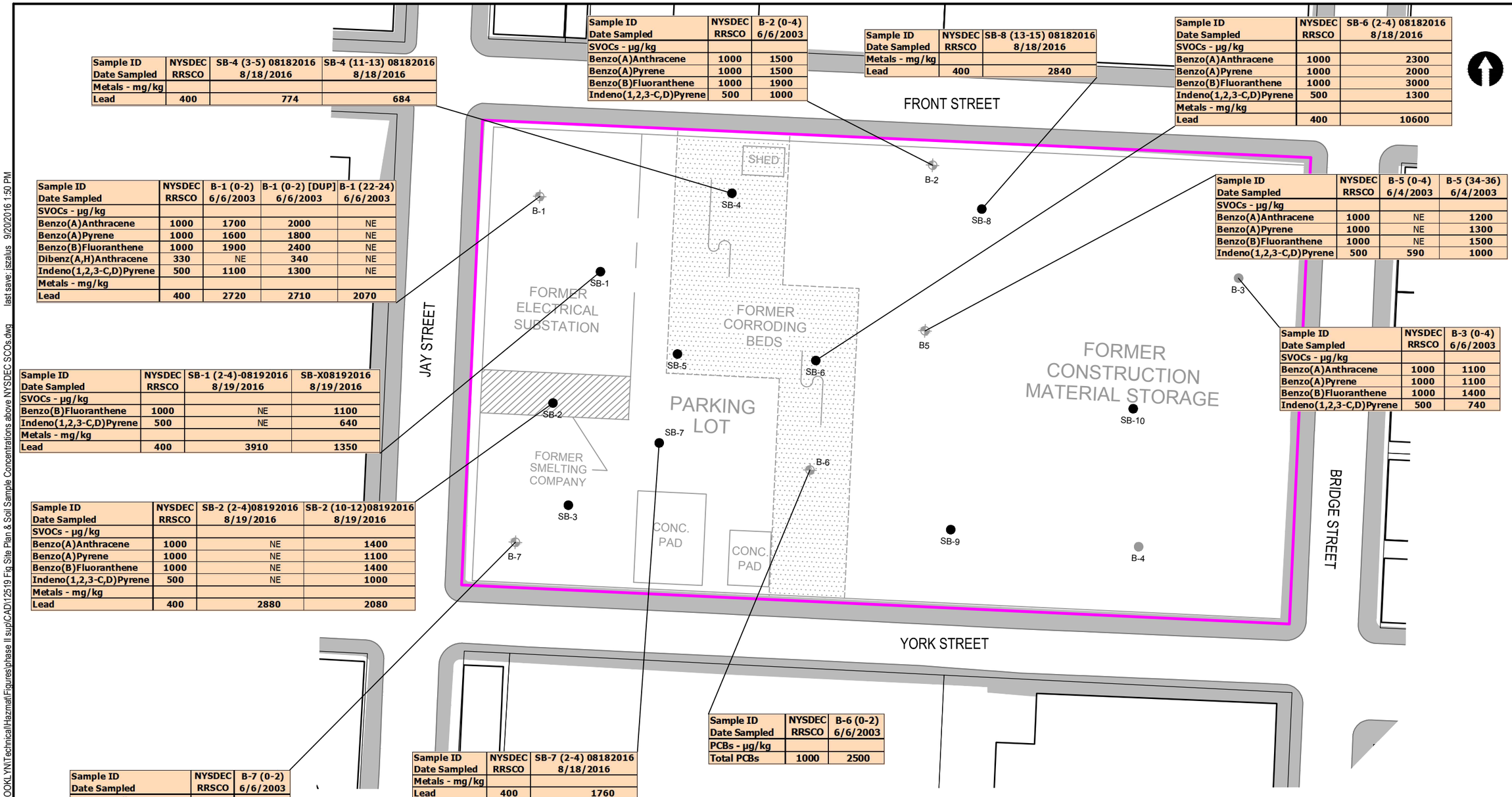
FIGURE
2

©2016 AKRF, Inc. W:\Projects\12519 - 88 JAY STREET BROOKLYN\Technical\Hazmat\Figures\phase II sup\CAD\12519 Fig Site Plan & Soil Sample Concentrations above NYSDEC SCOs.dwg last save: iszalus 9/20/2016 1:50 PM



Sample ID Date Sampled	NYSDEC RRSCO	SB-4 (3-5) 08182016 8/18/2016	SB-4 (11-13) 08182016 8/18/2016
Metals - mg/kg			
Lead	400	774	684

Sample ID Date Sampled	NYSDEC RRSCO	B-2 (0-4) 6/6/2003
SVOCs - µg/kg		
Benzo(A)Anthracene	1000	1500
Benzo(A)Pyrene	1000	1500
Benzo(B)Fluoranthene	1000	1900
Indeno(1,2,3-C,D)Pyrene	500	1000

Sample ID Date Sampled	NYSDEC RRSCO	SB-8 (13-15) 08182016 8/18/2016
Metals - mg/kg		
Lead	400	2840

Sample ID Date Sampled	NYSDEC RRSCO	SB-6 (2-4) 08182016 8/18/2016
SVOCs - µg/kg		
Benzo(A)Anthracene	1000	2300
Benzo(A)Pyrene	1000	2000
Benzo(B)Fluoranthene	1000	3000
Indeno(1,2,3-C,D)Pyrene	500	1300
Metals - mg/kg		
Lead	400	10600

Sample ID Date Sampled	NYSDEC RRSCO	B-1 (0-2) 6/6/2003	B-1 (0-2) [DUP] 6/6/2003	B-1 (22-24) 6/6/2003
SVOCs - µg/kg				
Benzo(A)Anthracene	1000	1700	2000	NE
Benzo(A)Pyrene	1000	1600	1800	NE
Benzo(B)Fluoranthene	1000	1900	2400	NE
Dibenz(A,H)Anthracene	330	NE	340	NE
Indeno(1,2,3-C,D)Pyrene	500	1100	1300	NE
Metals - mg/kg				
Lead	400	2720	2710	2070

Sample ID Date Sampled	NYSDEC RRSCO	B-5 (0-4) 6/4/2003	B-5 (34-36) 6/4/2003
SVOCs - µg/kg			
Benzo(A)Anthracene	1000	NE	1200
Benzo(A)Pyrene	1000	NE	1300
Benzo(B)Fluoranthene	1000	NE	1500
Indeno(1,2,3-C,D)Pyrene	500	590	1000

Sample ID Date Sampled	NYSDEC RRSCO	B-3 (0-4) 6/6/2003
SVOCs - µg/kg		
Benzo(A)Anthracene	1000	1100
Benzo(A)Pyrene	1000	1100
Benzo(B)Fluoranthene	1000	1400
Indeno(1,2,3-C,D)Pyrene	500	740

Sample ID Date Sampled	NYSDEC RRSCO	SB-1 (2-4)-08192016 8/19/2016	SB-X08192016 8/19/2016
SVOCs - µg/kg			
Benzo(B)Fluoranthene	1000	NE	1100
Indeno(1,2,3-C,D)Pyrene	500	NE	640
Metals - mg/kg			
Lead	400	3910	1350

Sample ID Date Sampled	NYSDEC RRSCO	SB-2 (2-4)08192016 8/19/2016	SB-2 (10-12)08192016 8/19/2016
SVOCs - µg/kg			
Benzo(A)Anthracene	1000	NE	1400
Benzo(A)Pyrene	1000	NE	1100
Benzo(B)Fluoranthene	1000	NE	1400
Indeno(1,2,3-C,D)Pyrene	500	NE	1000
Metals - mg/kg			
Lead	400	2880	2080

Sample ID Date Sampled	NYSDEC RRSCO	B-6 (0-2) 6/6/2003
PCBs - µg/kg		
Total PCBs	1000	2500

Sample ID Date Sampled	NYSDEC RRSCO	SB-7 (2-4) 08182016 8/18/2016
Metals - mg/kg		
Lead	400	1760

Sample ID Date Sampled	NYSDEC RRSCO	B-7 (0-2) 6/6/2003
SVOCs -µg/kg		
Benzo(A)Anthracene	1000	63000
Benzo(A)Pyrene	1000	51000
Benzo(B)Fluoranthene	1000	59000
Chrysene	3900	64000
Dibenz(A,H)Anthracene	330	5900
Fluoranthene	100000	140000
Indeno(1,2,3-C,D)Pyrene	500	29000
Phenanthrene	100000	140000
Pyrene	100000	110000

0 30 60 120

SCALE IN FEET

Sample ID Date Sampled	NYSDEC RRSCO	SB-7 (2-4) 08182016 8/18/2016
Metals - mg/kg		
Lead	400	1760

Analyte/Compound in Soil

Sample ID

Sample Date

Concentration in Soil

SOIL

Part 375 Soil Cleanup Objectives:
Soil Cleanup Objectives listed in NYSDEC
(New York State Department of Environmental Conservation)
"Part 375" Regulations (6 NYCRR Part 375).

Exceedances of Part 375 Restricted Residential (RRSCOS) are highlighted in bold font.

µg/kg:micrograms per kilogram = parts per billion (ppb)
mg/kg:milligrams per kilogram = parts per million (ppm)

NE:concentration did not exceed standard

LEGEND:

- PROJECT SITE BOUNDARY
- SB-9 — APPROXIMATE SOIL SAMPLING LOCATION, 2016 SUPPLEMENTAL PHASE II
- B-4 — APPROXIMATE SOIL SAMPLING LOCATION, 2004 PHASE II
- B5 — APPROXIMATE SOIL AND GROUNDWATER SAMPLING LOCATION, 2004 PHASE II

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85 JAY STREET
BROOKLYN, NEW YORK

SOIL SAMPLE CONCENTRATIONS ABOVE NYSDEC RRSCOs

DATE
9/20/2016

PROJECT NO.
12519

FIGURE
3

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TABLES

Table 1
85 Jay Street
Borough, NY
Soil Analytical Results
Volatile Organic Compounds

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-1 (2-4)-08192016 460-118926-1 8/19/2016 1 ug/kg	SB-X08192016 460-118926-7 8/19/2016 1 ug/kg	SB-1 (12-14)-08192016 460-118926-2 8/19/2016 1 ug/kg	SB-2 (2-4)08192016 460-118926-3 8/19/2016 1 ug/kg	SB-2 (10-12)08192016 460-118926-4 8/19/2016 1 ug/kg	SB-3 (2-4)08192016 460-118926-5 8/19/2016 1 ug/kg
1,1,1-Trichloroethane	**100000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,1,2,2-Tetrachloroethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,1,2-Trichloroethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,1-Dichloroethane	**26000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,1-Dichloroethene	**100000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,2,3-Trichlorobenzene	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,2,4-Trichlorobenzene	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,2-Dibromo-3-Chloropropane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,2-Dibromoethane (Ethylene Dibromide)	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,2-Dichlorobenzene	**100000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,2-Dichloroethane	**3100**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,2-Dichloropropane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,3-Dichlorobenzene	**49000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,4-Dichlorobenzene	**13000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
1,4-Dioxane (P-Dioxane)	**13000**	18 U	17 U	19 U	17 U	17 U	18 U
2-Hexanone	**NS**	4.4 U	4.3 U	4.7 U	4.3 U	4.2 U	4.4 U
Acetone	**100000**	16	13	31	22	36	18
Acetonitrile	**NS**	8.8 U	8.6 U	9.3 U	8.6 U	8.5 U	8.9 U
Acrolein	**NS**	88 U	86 U	93 U	86 U	85 U	89 U
Benzene	**4800**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Bromochloromethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Bromodichloromethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Bromoform	**NS**	0.88 UT	0.86 UT	0.93 UT	0.86 UT	0.85 UT	0.89 UT
Bromomethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Carbon Disulfide	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Carbon Tetrachloride	**2400**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Chlorobenzene	**100000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Chloroethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Chloroform	**49000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Chloromethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Cis-1,2-Dichloroethylene	**100000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Cis-1,3-Dichloropropene	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Cyclohexane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Dibromochloromethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Dichlorodifluoromethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Ethylbenzene	**41000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Isopropylbenzene (Cumene)	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
M,P-Xylenes	**100000 TS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Methyl Acetate	**NS**	1.6 J	4.3 U	4.7 U	4.3 U	4.2 U	4.4 U
Methyl Ethyl Ketone (2-Butanone)	**100000**	4.4 U	4.3 U	3 J	4.3 U	3 J	4.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**NS**	4.4 U	4.3 U	4.7 U	4.3 U	4.2 U	4.4 U
Methylcyclohexane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Methylene Chloride	**100000**	1.3	0.70 J	1.3	0.82 J	0.88	0.48 J
O-Xylene (1,2-Dimethylbenzene)	**100000 TS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Styrene	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Tert-Butyl Alcohol	**NS**	8.8 U	8.6 U	9.3 U	8.6 U	8.5 U	8.9 U
Tert-Butyl Methyl Ether	**100000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Tetrachloroethylene (PCE)	**19000**	0.38 J	0.86 U	0.93 U	36	50	0.89 U
Toluene	**100000**	0.88 U	0.86 U	0.93 U	0.42 J	0.87	0.89 U
Trans-1,2-Dichloroethene	**100000**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Trans-1,3-Dichloropropene	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Trichloroethylene (TCE)	**21000**	3.8	3.8	0.93 U	0.34 J	0.37 J	0.89 U
Trichlorofluoromethane	**NS**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U
Vinyl Chloride	**900**	0.88 U	0.86 U	0.93 U	0.86 U	0.85 U	0.89 U

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85 Jay Street
Borough, NY
Soil Analytical Results
Volatile Organic Compounds

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-3 (13-15)08192016 460-118926-6 8/19/2016 1 ug/kg	SB-4 (3-5) 08182016 460-118857-7 8/18/2016 1 ug/kg	SB-4 (11-13) 08182016 460-118857-8 8/18/2016 1 ug/kg	SB-5 (2-4) 08182016 460-118857-11 8/18/2016 1 ug/kg	SB-5 (13-15) 08182016 460-118857-12 8/18/2016 1 ug/kg	SB-6 (2-4) 08182016 460-118857-9 8/18/2016 1 ug/kg
1,1,1-Trichloroethane	**100000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,1,2,2-Tetrachloroethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,1,2-Trichloroethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,1-Dichloroethane	**26000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,1-Dichloroethene	**100000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,2,3-Trichlorobenzene	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,2,4-Trichlorobenzene	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,2-Dibromo-3-Chloropropane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,2-Dibromoethane (Ethylene Dibromide)	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,2-Dichlorobenzene	**100000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,2-Dichloroethane	**3100**	0.81 U	0.26 J	1 U	0.9 U	0.8 U	0.88 U
1,2-Dichloropropane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,3-Dichlorobenzene	**49000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,4-Dichlorobenzene	**13000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
1,4-Dioxane (P-Dioxane)	**13000**	16 U	16 U	21 U	18 U	16 U	18 U
2-Hexanone	**NS**	4 U	4.1 U	5.2 U	4.5 U	4 U	4.4 U
Acetone	**100000**	19	7.6	36	11	8	27
Acetonitrile	**NS**	8.1 U	8.1 U	10 U	9 U	8 U	8.8 U
Acrolein	**NS**	81 U	81 U	100 U	90 U	80 U	88 U
Benzene	**4800**	0.81 U	0.49 J	1 U	0.9 U	0.8 U	0.88 U
Bromochloromethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Bromodichloromethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Bromoform	**NS**	0.81 UT	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Bromomethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Carbon Disulfide	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Carbon Tetrachloride	**2400**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Chlorobenzene	**100000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Chloroethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Chloroform	**49000**	0.81 U	1.1	1 U	0.9 U	0.8 U	0.88 U
Chloromethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Cis-1,2-Dichloroethylene	**100000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Cis-1,3-Dichloropropene	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Cyclohexane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Dibromochloromethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Dichlorodifluoromethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Ethylbenzene	**41000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Isopropylbenzene (Cumene)	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
M,P-Xylenes	**100000 TS**	0.81 U	0.81 U	0.37 J	0.9 U	0.8 U	0.88 U
Methyl Acetate	**NS**	4 U	4.1 U	5.2 U	4.5 U	4 U	4.4 U
Methyl Ethyl Ketone (2-Butanone)	**100000**	4 U	4.1 U	2.9 J	0.95 J	4 U	1.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**NS**	4 U	4.1 U	5.2 U	4.5 U	4 U	4.4 U
Methylcyclohexane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Methylene Chloride	**100000**	1.7	1.1	1.9	1.6	1.7	1.1
O-Xylene (1,2-Dimethylbenzene)	**100000 TS**	0.81 U	0.81 U	0.25 J	0.9 U	0.8 U	0.88 U
Styrene	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Tert-Butyl Alcohol	**NS**	8.1 U	8.1 U	10 U	9 U	8 U	8.8 U
Tert-Butyl Methyl Ether	**100000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Tetrachloroethylene (PCE)	**19000**	0.31 J	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Toluene	**100000**	0.81 U	0.42 J	0.3 J	0.9 U	0.8 U	0.88 U
Trans-1,2-Dichloroethene	**100000**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Trans-1,3-Dichloropropene	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Trichloroethylene (TCE)	**21000**	0.81 U	0.81 U	0.51 J	0.9 U	0.8 U	0.88 U
Trichlorofluoromethane	**NS**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U
Vinyl Chloride	**900**	0.81 U	0.81 U	1 U	0.9 U	0.8 U	0.88 U

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Borough, NY
Soil Analytical Results
Volatile Organic Compounds

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-6 (13-15) 08182016 460-118857-10 8/18/2016 1 ug/kg	SB-7 (2-4) 08182016 460-118857-13 8/18/2016 1 ug/kg	SB-7 (13-15) 08182016 460-118857-14 8/18/2016 1 ug/kg	SB-8 (2-4) 08182016 460-118857-5 8/18/2016 1 ug/kg	SB-8 (13-15) 08182016 460-118857-6 8/18/2016 1 ug/kg	SB-9 (2-4) 08182016 460-118857-3 8/18/2016 1 ug/kg
1,1,1-Trichloroethane	**100000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,1,2,2-Tetrachloroethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 UT	0.89 UT	1.1 U
1,1,2-Trichloroethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,1-Dichloroethane	**26000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,1-Dichloroethene	**100000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,2,3-Trichlorobenzene	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,2,4-Trichlorobenzene	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,2-Dibromo-3-Chloropropane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,2-Dibromoethane (Ethylene Dibromide)	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,2-Dichlorobenzene	**100000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,2-Dichloroethane	**3100**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,2-Dichloropropane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,3-Dichlorobenzene	**49000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,4-Dichlorobenzene	**13000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
1,4-Dioxane (P-Dioxane)	**13000**	18 U	17 U	16 U	15 U	18 U	21 U
2-Hexanone	**NS**	4.4 U	4.3 U	4.1 U	3.9 U	4.5 U	5.3 U
Acetone	**100000**	17	16	14	19	3.6 J	5.3 U
Acetonitrile	**NS**	8.8 U	8.6 U	8.2 U	7.7 U	8.9 U	11 U
Acrolein	**NS**	88 U	86 U	82 U	77 U	89 U	110 U
Benzene	**4800**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Bromochloromethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Bromodichloromethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Bromoform	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Bromomethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Carbon Disulfide	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Carbon Tetrachloride	**2400**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Chlorobenzene	**100000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Chloroethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Chloroform	**49000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Chloromethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Cis-1,2-Dichloroethylene	**100000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Cis-1,3-Dichloropropene	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Cyclohexane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Dibromochloromethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Dichlorodifluoromethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Ethylbenzene	**41000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Isopropylbenzene (Cumene)	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
M,P-Xylenes	**100000 TS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Methyl Acetate	**NS**	4.4 U	4.3 U	4.1 U	3.9 U	4.5 U	5.3 U
Methyl Ethyl Ketone (2-Butanone)	**100000**	1.2 J	1 J	4.1 U	0.94 J	4.5 U	1.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**NS**	4.4 U	4.3 U	4.1 U	3.9 U	4.5 U	5.3 U
Methylcyclohexane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Methylene Chloride	**100000**	1.3	1.6	1.4	1.6	0.73 J	1.5
O-Xylene (1,2-Dimethylbenzene)	**100000 TS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Styrene	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Tert-Butyl Alcohol	**NS**	8.8 U	8.6 U	8.2 U	7.7 U	8.9 U	11 U
Tert-Butyl Methyl Ether	**100000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Tetrachloroethylene (PCE)	**19000**	0.88 U	0.86 U	0.32 J	0.77 U	0.3 J	2
Toluene	**100000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Trans-1,2-Dichloroethene	**100000**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Trans-1,3-Dichloropropene	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Trichloroethylene (TCE)	**21000**	0.88 U	0.86 U	0.82 U	0.77 U	1.8	1.1 U
Trichlorofluoromethane	**NS**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U
Vinyl Chloride	**900**	0.88 U	0.86 U	0.82 U	0.77 U	0.89 U	1.1 U

Table 1
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Borough, NY
Soil Analytical Results
Volatile Organic Compounds

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-9 (12-14) 08182016 460-118857-4 8/18/2016 1 ug/kg	SB-10 (2-4) 08182016 460-118857-1 8/18/2016 1 ug/kg	SB-10 (13-15) 08182016 460-118857-2 8/18/2016 1 ug/kg	FB08192016 460-118926-8 8/19/2016 1 ug/l	TB 08182016 460-118857-15 8/18/2016 1 ug/l	TB08192016 460-118926-9 8/19/2016 1 ug/l
1,1,1-Trichloroethane	**100000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,1,2,2-Tetrachloroethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	**NS**	0.93 U	0.97 UT	0.88 UT	1.00 U	1.00 U	1.00 U
1,1,2-Trichloroethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,1-Dichloroethane	**26000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,1-Dichloroethene	**100000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,2,3-Trichlorobenzene	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,2-Dibromo-3-Chloropropane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,2-Dibromoethane (Ethylene Dibromide)	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,2-Dichlorobenzene	**100000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,2-Dichloroethane	**3100**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,2-Dichloropropane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,3-Dichlorobenzene	**49000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,4-Dichlorobenzene	**13000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
1,4-Dioxane (P-Dioxane)	**13000**	19 U	19 U	18 U	50 U	50 U	50 U
2-Hexanone	**NS**	4.6 U	4.9 U	4.4 U	5.0 U	5.0 U	5.0 U
Acetone	**100000**	34	43	16	5 U	5 U	5 U
Acetonitrile	**NS**	9.3 U	9.7 U	8.8 U	NA	NA	NA
Acrolein	**NS**	93 U	97 U	88 U	NA	NA	NA
Benzene	**4800**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Bromochloromethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Bromodichloromethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Bromoform	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Bromomethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Carbon Disulfide	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Carbon Tetrachloride	**2400**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Chlorobenzene	**100000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Chloroethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Chloroform	**49000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Chloromethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Cis-1,2-Dichloroethylene	**100000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Cis-1,3-Dichloropropene	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Cyclohexane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Dibromochloromethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Dichlorodifluoromethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Ethylbenzene	**41000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Isopropylbenzene (Cumene)	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
M,P-Xylenes	**100000 TS**	0.93 U	0.29 J	0.88 U	1.00 U	1.00 U	1.00 U
Methyl Acetate	**NS**	4.6 U	4.9 U	4.4 U	5.0 U	5.0 U	5.0 U
Methyl Ethyl Ketone (2-Butanone)	**100000**	1.7 J	2.4 J	4.4 U	5.0 U	5.0 U	5.0 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**NS**	4.6 U	4.9 U	4.4 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Methylene Chloride	**100000**	2	1.5	1.5	0.6 J	1.8	1.0
O-Xylene (1,2-Dimethylbenzene)	**100000 TS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Styrene	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Tert-Butyl Alcohol	**NS**	9.3 U	9.7 U	8.8 U	NA	NA	NA
Tert-Butyl Methyl Ether	**100000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Tetrachloroethylene (PCE)	**19000**	0.93 U	0.97 UT	0.88 U	1.00 U	1.00 U	1.00 U
Toluene	**100000**	0.93 U	0.61 J	0.88 U	1.00 U	1.00 U	1.00 U
Trans-1,2-Dichloroethene	**100000**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Trans-1,3-Dichloropropene	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Trichloroethylene (TCE)	**21000**	0.37 J	2.4	0.24 J	1.00 U	1.00 U	1.00 U
Trichlorofluoromethane	**NS**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U
Vinyl Chloride	**900**	0.93 U	0.97 U	0.88 U	1.00 U	1.00 U	1.00 U

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Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-1 (2-4)-08192016 460-118926-1 8/19/2016 1 ug/kg	SB-X08192016 460-118926-7 8/19/2016 1 ug/kg	SB-1 (12-14)-08192016 460-118926-2 8/19/2016 1 ug/kg	SB-2 (2-4)08192016 460-118926-3 8/19/2016 1 ug/kg
1,2,4-Trichlorobenzene	**NS**	36 U	35 U	35 U	22 J
1,2-Dichlorobenzene	**100000**	360 U	350 U	350 U	75 J
1,3-Dichlorobenzene	**49000**	360 U	350 U	350 U	85 J
1,4-Dichlorobenzene	**13000**	360 U	350 U	350 U	47 J
2,4-Dinitrotoluene	**NS**	72 U	71 U	71 U	75 U
2,6-Dinitrotoluene	**NS**	72 U	71 U	71 U	75 U
2-Chloronaphthalene	**NS**	360 U	350 U	350 U	96 J
2-Methylnaphthalene	**NS**	16 J	12 J	350 U	77 J
2-Nitroaniline	**NS**	360 U	350 U	350 U	370 U
3,3'-Dichlorobenzidine	**NS**	140 U	140 U	140 U	150 U
3-Nitroaniline	**NS**	360 U	350 U	350 U	370 U
4-Bromophenyl Phenyl Ether	**NS**	360 U	350 U	350 U	370 U
4-Chloroaniline	**NS**	360 U	350 U	350 U	370 U
4-Chlorophenyl Phenyl Ether	**NS**	360 U	350 U	350 U	370 U
4-Nitroaniline	**NS**	360 U	350 U	350 U	370 U
Acenaphthene	**100000**	33 J	27 J	350 U	49 J
Acenaphthylene	**100000**	360 U	18 J	350 U	120 J
Anthracene	**100000**	90 J	100 J	35 J	200 J
Benzo(A)Anthracene	**1000**	390	780	150	490
Benzo(A)Pyrene	**1000**	390	780	120	410
Benzo(B)Fluoranthene	**1000**	540	**1100**	170	640
Benzo(G,H,I)Perylene	**100000**	280 J	620	84 J	320 J
Benzo(K)Fluoranthene	**3900**	200	430	61	210
Benzyl Butyl Phthalate	**NS**	360 U	350 U	350 U	370 U
Bis(2-Chloroethoxy) Methane	**NS**	360 U	350 U	350 U	370 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	**NS**	36 U	35 U	35 U	37 U
Bis(2-Chloroisopropyl) Ether	**NS**	360 U	350 U	350 U	370 U
Bis(2-Ethylhexyl) Phthalate	**NS**	360 U	45 J	200 J	370 U
Carbazole	**NS**	43 J	46 J	350 U	64 J
Chrysene	**3900**	410	820	150 J	550
Dibenz(A,H)Anthracene	**330**	47	140	35 U	81
Dibenzofuran	**59000**	19 J	15 J	350 U	82 J
Diethyl Phthalate	**NS**	360 U	350 U	350 U	370 U
Dimethyl Phthalate	**NS**	360 U	350 U	350 U	370 U
Di-N-Butyl Phthalate	**NS**	18 J	20 J	16 J	29 J
Di-N-Octylphthalate	**NS**	360 U	350 U	350 U	370 U
Fluoranthene	**100000**	720	1300	250 J	1100
Fluorene	**100000**	30 J	26 J	350 U	43 J
Hexachlorobenzene	**1200**	36 U	35 U	35 U	37 U
Hexachlorobutadiene	**NS**	72 U	71 U	71 U	75 U
Hexachlorocyclopentadiene	**NS**	360 U	350 U	350 U	370 U
Hexachloroethane	**NS**	36 U	35 U	35 U	37 U
Indeno(1,2,3-C,D)Pyrene	**500**	290	**640**	84	310
Isophorone	**NS**	140 U	140 U	48 J	150 U
Naphthalene	**100000**	20 J	19 J	350 U	520
Nitrobenzene	**NS**	36 U	35 U	35 U	37 U
N-Nitrosodi-N-Propylamine	**NS**	36 U	35 U	35 U	37 U
N-Nitrosodiphenylamine	**NS**	360 U	350 U	350 U	370 U
Phenanthrene	**100000**	420	420	150 J	1000
Pyrene	**100000**	660	1300	240 J	1000

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Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-2 (10-12)08192016 460-118926-4 8/19/2016 1 ug/kg	SB-3 (2-4)08192016 460-118926-5 8/19/2016 1 ug/kg	SB-3 (13-15)08192016 460-118926-6 8/19/2016 1 ug/kg	SB-4 (3-5) 08182016 460-118857-7 8/18/2016 1 ug/kg
1,2,4-Trichlorobenzene	NS	36 U	36 U	35 U	36 U
1,2-Dichlorobenzene	100000	360 U	360 U	350 U	360 U
1,3-Dichlorobenzene	49000	360 U	360 U	350 U	360 U
1,4-Dichlorobenzene	13000	360 U	360 U	350 U	360 U
2,4-Dinitrotoluene	NS	73 U	73 U	71 U	72 U
2,6-Dinitrotoluene	NS	73 U	73 U	71 U	72 U
2-Chloronaphthalene	NS	360 U	360 U	350 U	360 U
2-Methylnaphthalene	NS	100 J	8.9 J	350 U	360 U
2-Nitroaniline	NS	360 U	360 U	350 U	360 U
3,3'-Dichlorobenzidine	NS	150 U	140 U	140 U	140 U
3-Nitroaniline	NS	360 U	360 U	350 U	360 U
4-Bromophenyl Phenyl Ether	NS	360 U	360 U	350 U	360 U
4-Chloroaniline	NS	360 U	360 U	350 U	360 U
4-Chlorophenyl Phenyl Ether	NS	360 U	360 U	350 U	360 U
4-Nitroaniline	NS	360 U	360 U	350 U	360 U
Acenaphthene	100000	130 J	23 J	350 U	360 U
Acenaphthylene	100000	33 J	15 J	350 U	360 U
Anthracene	100000	390	79 J	350 U	360 U
Benzo(A)Anthracene	1000	**1400**	390	35 U	36 U
Benzo(A)Pyrene	1000	**1100**	370	35 U	17 J
Benzo(B)Fluoranthene	1000	**1400**	460	35 U	30 J
Benzo(G,H,I)Perylene	100000	970	370	350 U	360 U
Benzo(K)Fluoranthene	3900	550	180	35 U	36 U
Benzyl Butyl Phthalate	NS	360 U	23 J	350 U	360 U
Bis(2-Chloroethoxy) Methane	NS	360 U	360 U	350 U	360 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	36 U	36 U	35 U	36 U
Bis(2-Chloroisopropyl) Ether	NS	360 U	360 U	350 U	360 U
Bis(2-Ethylhexyl) Phthalate	NS	360	110 J	29 J	18 J
Carbazole	NS	140 J	20 J	350 U	360 U
Chrysene	3900	1400	420	350 U	26 J
Dibenz(A,H)Anthracene	330	300	35 J	35 U	36 U
Dibenzofuran	59000	140 J	13 J	350 U	360 U
Diethyl Phthalate	NS	360 U	360 U	350 U	360 U
Dimethyl Phthalate	NS	360 U	360 U	350 U	360 U
Di-N-Butyl Phthalate	NS	38 J	33 J	19 J	27 J
Di-N-Octylphthalate	NS	360 U	360 U	350 U	360 U
Fluoranthene	100000	2200	650	350 U	36 J
Fluorene	100000	92 J	16 J	350 U	360 U
Hexachlorobenzene	1200	36 U	36 U	35 U	36 U
Hexachlorobutadiene	NS	73 U	73 U	71 U	72 U
Hexachlorocyclopentadiene	NS	360 U	360 U	350 U	360 U
Hexachloroethane	NS	36 U	36 U	35 U	36 U
Indeno(1,2,3-C,D)Pyrene	500	**1000**	360	35 U	36 U
Isophorone	NS	1100	17 J	140 U	140 U
Naphthalene	100000	280 J	360 U	350 U	360 U
Nitrobenzene	NS	36 U	36 U	35 U	36 U
N-Nitrosodi-N-Propylamine	NS	36 U	36 U	35 U	36 U
N-Nitrosodiphenylamine	NS	360 U	360 U	350 U	360 U
Phenanthrene	100000	2100	330 J	350 U	27 J
Pyrene	100000	2500	610	350 U	43 J

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Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-4 (11-13) 08182016 460-118857-8 8/18/2016 1 ug/kg	SB-5 (2-4) 08182016 460-118857-11 8/18/2016 1 ug/kg	SB-5 (13-15) 08182016 460-118857-12 8/18/2016 1 ug/kg	SB-6 (2-4) 08182016 460-118857-9 8/18/2016 1 ug/kg
1,2,4-Trichlorobenzene	**NS**	12 J	34 U	34 U	35 U
1,2-Dichlorobenzene	**100000**	24 J	340 U	340 U	350 U
1,3-Dichlorobenzene	**49000**	410 U	340 U	340 U	350 U
1,4-Dichlorobenzene	**13000**	410 U	340 U	340 U	350 U
2,4-Dinitrotoluene	**NS**	83 U	69 U	69 U	71 U
2,6-Dinitrotoluene	**NS**	83 U	69 U	69 U	71 U
2-Chloronaphthalene	**NS**	410 U	340 U	340 U	350 U
2-Methylnaphthalene	**NS**	480	14 J	22 J	120 J
2-Nitroaniline	**NS**	410 U	340 U	340 U	350 U
3,3'-Dichlorobenzidine	**NS**	160 U	140 U	140 U	140 U
3-Nitroaniline	**NS**	410 U	340 U	340 U	350 U
4-Bromophenyl Phenyl Ether	**NS**	410 U	340 U	340 U	350 U
4-Chloroaniline	**NS**	410 U	340 U	340 U	350 U
4-Chlorophenyl Phenyl Ether	**NS**	410 U	340 U	340 U	350 U
4-Nitroaniline	**NS**	410 U	340 U	340 U	350 U
Acenaphthene	**100000**	43 J	340 U	8.9 J	340 J
Acenaphthylene	**100000**	29 J	340 U	13 J	74 J
Anthracene	**100000**	100 J	340 U	340 U	840
Benzo(A)Anthracene	**1000**	360	50	110	**2300**
Benzo(A)Pyrene	**1000**	310	16 J	110	**2000**
Benzo(B)Fluoranthene	**1000**	550	38	180	**3000**
Benzo(G,H,I)Perylene	**100000**	300 J	340 U	78 J	1500
Benzo(K)Fluoranthene	**3900**	170	16 J	77	1200
Benzyl Butyl Phthalate	**NS**	410 U	340 U	340 U	350 U
Bis(2-Chloroethoxy) Methane	**NS**	410 U	340 U	340 U	350 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	**NS**	41 U	34 U	34 U	35 U
Bis(2-Chloroisopropyl) Ether	**NS**	410 U	340 U	340 U	350 U
Bis(2-Ethylhexyl) Phthalate	**NS**	860	31 J	340 U	110 J
Carbazole	**NS**	63 J	340 U	12 J	720
Chrysene	**3900**	550	49 J	170 J	2800
Dibenz(A,H)Anthracene	**330**	82	34 U	34 U	320
Dibenzofuran	**59000**	120 J	12 J	16 J	300 J
Diethyl Phthalate	**NS**	410 U	340 U	340 U	350 U
Dimethyl Phthalate	**NS**	410 U	340 U	340 U	350 U
Di-N-Butyl Phthalate	**NS**	170 J	27 J	28 J	52 J
Di-N-Octylphthalate	**NS**	410 U	340 U	340 U	350 U
Fluoranthene	**100000**	770	140 J	250 J	5700
Fluorene	**100000**	39 J	11 J	23 J	440
Hexachlorobenzene	**1200**	41 U	34 U	34 U	35 U
Hexachlorobutadiene	**NS**	83 U	69 U	69 U	71 U
Hexachlorocyclopentadiene	**NS**	410 U	340 U	340 U	350 U
Hexachloroethane	**NS**	41 U	34 U	34 U	35 U
Indeno(1,2,3-C,D)Pyrene	**500**	280	34 U	79	**1300**
Isophorone	**NS**	160 U	140 U	140 U	140 U
Naphthalene	**100000**	300 J	26 J	24 J	210 J
Nitrobenzene	**NS**	41 U	34 U	34 U	35 U
N-Nitrosodi-N-Propylamine	**NS**	41 U	34 U	34 U	35 U
N-Nitrosodiphenylamine	**NS**	410 U	340 U	340 U	350 U
Phenanthrene	**100000**	700	64 J	160 J	6000
Pyrene	**100000**	750	170 J	260 J	4900

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Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-6 (13-15) 08182016 460-118857-10 8/18/2016 1 ug/kg	SB-7 (2-4) 08182016 460-118857-13 8/18/2016 1 ug/kg	SB-7 (13-15) 08182016 460-118857-14 8/18/2016 1 ug/kg	SB-8 (2-4) 08182016 460-118857-5 8/18/2016 1 ug/kg
1,2,4-Trichlorobenzene	**NS**	34 U	36 U	34 U	35 U
1,2-Dichlorobenzene	**100000**	340 U	360 U	340 U	350 U
1,3-Dichlorobenzene	**49000**	340 U	360 U	340 U	350 U
1,4-Dichlorobenzene	**13000**	340 U	360 U	340 U	350 U
2,4-Dinitrotoluene	**NS**	70 U	74 U	70 U	70 U
2,6-Dinitrotoluene	**NS**	70 U	74 U	70 U	70 U
2-Chloronaphthalene	**NS**	340 U	360 U	340 U	350 U
2-Methylnaphthalene	**NS**	340 U	360 U	340 U	21 J
2-Nitroaniline	**NS**	340 U	360 U	340 U	350 U
3,3'-Dichlorobenzidine	**NS**	140 U	150 U	140 U	140 U
3-Nitroaniline	**NS**	340 U	360 U	340 U	350 U
4-Bromophenyl Phenyl Ether	**NS**	340 U	360 U	340 U	350 U
4-Chloroaniline	**NS**	340 U	360 U	340 U	350 U
4-Chlorophenyl Phenyl Ether	**NS**	340 U	360 U	340 U	350 U
4-Nitroaniline	**NS**	340 U	360 U	340 U	350 U
Acenaphthene	**100000**	340 U	360 U	340 U	350 U
Acenaphthylene	**100000**	340 U	360 U	340 U	11 J
Anthracene	**100000**	340 U	360 U	340 U	350 U
Benzo(A)Anthracene	**1000**	29 J	36 U	34 U	140
Benzo(A)Pyrene	**1000**	19 J	11 J	14 J	120
Benzo(B)Fluoranthene	**1000**	37	19 J	26 J	150
Benzo(G,H,I)Perylene	**100000**	340 U	360 U	340 U	96 J
Benzo(K)Fluoranthene	**3900**	16 J	36 U	34 U	69
Benzyl Butyl Phthalate	**NS**	340 U	360 U	340 U	350 U
Bis(2-Chloroethoxy) Methane	**NS**	340 U	360 U	340 U	350 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	**NS**	34 U	36 U	34 U	35 U
Bis(2-Chloroisopropyl) Ether	**NS**	340 U	360 U	340 U	350 U
Bis(2-Ethylhexyl) Phthalate	**NS**	22 J	37 J	37 J	42 J
Carbazole	**NS**	340 U	360 U	340 U	350 U
Chrysene	**3900**	33 J	360 U	340 U	160 J
Dibenz(A,H)Anthracene	**330**	34 U	36 U	34 U	27 J
Dibenzofuran	**59000**	340 U	360 U	340 U	350 U
Diethyl Phthalate	**NS**	340 U	360 U	340 U	350 U
Dimethyl Phthalate	**NS**	340 U	360 U	340 U	350 U
Di-N-Butyl Phthalate	**NS**	17 J	28 J	31 J	23 J
Di-N-Octylphthalate	**NS**	340 U	360 U	340 U	350 U
Fluoranthene	**100000**	40 J	16 J	25 J	260 J
Fluorene	**100000**	340 U	360 U	340 U	350 U
Hexachlorobenzene	**1200**	34 U	36 U	34 U	35 U
Hexachlorobutadiene	**NS**	70 U	74 U	70 U	70 U
Hexachlorocyclopentadiene	**NS**	340 U	360 U	340 U	350 U
Hexachloroethane	**NS**	34 U	36 U	34 U	35 U
Indeno(1,2,3-C,D)Pyrene	**500**	34 U	36 U	34 U	90
Isophorone	**NS**	140 U	150 U	140 U	140 U
Naphthalene	**100000**	340 U	360 U	340 U	18 J
Nitrobenzene	**NS**	34 U	36 U	34 U	35 U
N-Nitrosodi-N-Propylamine	**NS**	34 U	36 U	34 U	35 U
N-Nitrosodiphenylamine	**NS**	340 U	360 U	340 U	350 U
Phenanthrene	**100000**	25 J	360 U	18 J	110 J
Pyrene	**100000**	36 J	17 J	28 J	240 J

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Semivolatile Organic Compounds

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-8 (13-15) 08182016 460-118857-6 8/18/2016 1 ug/kg	SB-9 (2-4) 08182016 460-118857-3 8/18/2016 1 ug/kg	SB-9 (12-14) 08182016 460-118857-4 8/18/2016 1 ug/kg	SB-10 (2-4) 08182016 460-118857-1 8/18/2016 1 ug/kg
1,2,4-Trichlorobenzene	**NS**	37 U	38 U	34 U	37 U
1,2-Dichlorobenzene	**100000**	370 U	380 U	340 U	370 U
1,3-Dichlorobenzene	**49000**	370 U	380 U	340 U	370 U
1,4-Dichlorobenzene	**13000**	370 U	380 U	340 U	370 U
2,4-Dinitrotoluene	**NS**	75 U	78 U	70 U	75 U
2,6-Dinitrotoluene	**NS**	75 U	78 U	70 U	75 U
2-Chloronaphthalene	**NS**	370 U	380 U	340 U	370 U
2-Methylnaphthalene	**NS**	370 U	16 J	24 J	9.8 J
2-Nitroaniline	**NS**	370 U	380 U	340 U	370 U
3,3'-Dichlorobenzidine	**NS**	150 U	150 U	140 U	150 U
3-Nitroaniline	**NS**	370 U	380 U	340 U	370 U
4-Bromophenyl Phenyl Ether	**NS**	370 U	380 U	340 U	370 U
4-Chloroaniline	**NS**	370 U	380 U	340 U	370 U
4-Chlorophenyl Phenyl Ether	**NS**	370 U	380 U	340 U	370 U
4-Nitroaniline	**NS**	370 U	380 U	340 U	370 U
Acenaphthene	**100000**	370 U	380 U	340 U	370 U
Acenaphthylene	**100000**	370 U	380 U	340 U	370 U
Anthracene	**100000**	370 U	380 U	340 U	370 U
Benzo(A)Anthracene	**1000**	37 U	52	34 U	43
Benzo(A)Pyrene	**1000**	18 J	45	24 J	40
Benzo(B)Fluoranthene	**1000**	31 J	85	39	65
Benzo(G,H,I)Perylene	**100000**	370 U	37 J	340 U	30 J
Benzo(K)Fluoranthene	**3900**	37 U	24 J	20 J	22 J
Benzyl Butyl Phthalate	**NS**	370 U	380 U	14 J	370 U
Bis(2-Chloroethoxy) Methane	**NS**	370 U	380 U	340 U	370 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	**NS**	37 U	38 U	34 U	37 U
Bis(2-Chloroisopropyl) Ether	**NS**	370 U	380 U	340 U	370 U
Bis(2-Ethylhexyl) Phthalate	**NS**	37 J	100 J	96 J	45 J
Carbazole	**NS**	370 U	380 U	340 U	370 U
Chrysene	**3900**	24 J	75 J	40 J	56 J
Dibenz(A,H)Anthracene	**330**	37 U	38 U	34 U	37 U
Dibenzofuran	**59000**	370 U	380 U	340 U	370 U
Diethyl Phthalate	**NS**	370 U	380 U	340 U	370 U
Dimethyl Phthalate	**NS**	370 U	380 U	340 U	370 U
Di-N-Butyl Phthalate	**NS**	37 J	46 J	36 J	25 J
Di-N-Octylphthalate	**NS**	370 U	380 U	340 U	370 U
Fluoranthene	**100000**	30 J	86 J	52 J	74 J
Fluorene	**100000**	370 U	380 U	340 U	370 U
Hexachlorobenzene	**1200**	37 U	38 U	34 U	37 U
Hexachlorobutadiene	**NS**	75 U	78 U	70 U	75 U
Hexachlorocyclopentadiene	**NS**	370 U	380 U	340 U	370 U
Hexachloroethane	**NS**	37 U	38 U	34 U	37 U
Indeno(1,2,3-C,D)Pyrene	**500**	37 U	36 J	34 U	37 U
Isophorone	**NS**	150 U	150 U	140 U	150 U
Naphthalene	**100000**	370 U	14 J	17 J	11 J
Nitrobenzene	**NS**	37 U	38 U	34 U	37 U
N-Nitrosodi-N-Propylamine	**NS**	37 U	38 U	34 U	37 U
N-Nitrosodiphenylamine	**NS**	370 U	380 U	340 U	370 U
Phenanthrene	**100000**	22 J	64 J	42 J	55 J
Pyrene	**100000**	34 J	97 J	60 J	75 J

Table 2
85 Jay Street
Brooklyn, NY
Soil Analytical Results
Semivolatile Organic Compounds

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-10 (13-15) 08182016 460-118857-2 8/18/2016 1 ug/kg	FB08192016 460-118926-8 8/19/2016 1 ug/l
1,2,4-Trichlorobenzene	**NS**	34 U	1.1 U
1,2-Dichlorobenzene	**100000**	340 U	11 U
1,3-Dichlorobenzene	**49000**	340 U	11 U
1,4-Dichlorobenzene	**13000**	340 U	11 U
2,4-Dinitrotoluene	**NS**	69 U	2.2 U
2,6-Dinitrotoluene	**NS**	69 U	2.2 U
2-Chloronaphthalene	**NS**	340 U	11 U
2-Methylnaphthalene	**NS**	340 U	11 U
2-Nitroaniline	**NS**	340 U	11 U
3,3'-Dichlorobenzidine	**NS**	140 U	11 U
3-Nitroaniline	**NS**	340 U	11 U
4-Bromophenyl Phenyl Ether	**NS**	340 U	11 U
4-Chloroaniline	**NS**	340 U	11 U
4-Chlorophenyl Phenyl Ether	**NS**	340 U	11 U
4-Nitroaniline	**NS**	340 U	11 U
Acenaphthene	**100000**	340 U	11 U
Acenaphthylene	**100000**	340 U	11 U
Anthracene	**100000**	340 U	11 U
Benzo(A)Anthracene	**1000**	54	1.1 U
Benzo(A)Pyrene	**1000**	47	1.1 U
Benzo(B)Fluoranthene	**1000**	73	1.1 U
Benzo(G,H,I)Perylene	**100000**	26 J	11 U
Benzo(K)Fluoranthene	**3900**	30 J	1.1 U
Benzyl Butyl Phthalate	**NS**	340 U	11 U
Bis(2-Chloroethoxy) Methane	**NS**	340 U	11 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	**NS**	34 U	1.1 U
Bis(2-Chloroisopropyl) Ether	**NS**	340 U	11 U
Bis(2-Ethylhexyl) Phthalate	**NS**	38 J	2.2 U
Carbazole	**NS**	340 U	11 U
Chrysene	**3900**	55 J	2.2 U
Dibenz(A,H)Anthracene	**330**	34 U	1.1 U
Dibenzofuran	**59000**	340 U	11 U
Diethyl Phthalate	**NS**	340 U	11 U
Dimethyl Phthalate	**NS**	340 U	11 U
Di-N-Butyl Phthalate	**NS**	39 J	11 U
Di-N-Octylphthalate	**NS**	340 U	11 U
Fluoranthene	**100000**	80 J	11 U
Fluorene	**100000**	340 U	11 U
Hexachlorobenzene	**1200**	34 U	1.1 U
Hexachlorobutadiene	**NS**	69 U	1.1 U
Hexachlorocyclopentadiene	**NS**	340 U	11 U
Hexachloroethane	**NS**	34 U	1.1 UT
Indeno(1,2,3-C,D)Pyrene	**500**	29 J	1.1 U
Isophorone	**NS**	140 U	11 U
Naphthalene	**100000**	340 U	11 U
Nitrobenzene	**NS**	34 U	1.1 U
N-Nitrosodi-N-Propylamine	**NS**	34 U	1.1 U
N-Nitrosodiphenylamine	**NS**	340 U	11 U
Phenanthrene	**100000**	49 J	11 U
Pyrene	**100000**	90 J	11 U

Table 3
85 Jay Street
Brooklyn, NY
Soil Analtyical Results
Metals

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-1 (2-4)-08192016 460-118926-1 8/19/2016 1 And 4 And 20 mg/kg	SB-X08192016 460-118926-7 8/19/2016 1 And 4 mg/kg	SB-1 (12-14)-08192016 460-118926-2 8/19/2016 1 And 4 mg/kg	SB-2 (2-4)08192016 460-118926-3 8/19/2016 1 And 4 And 10 mg/kg	SB-2 (10-12)08192016 460-118926-4 8/19/2016 1 And 4 mg/kg	SB-3 (2-4)08192016 460-118926-5 8/19/2016 1 And 4 mg/kg	SB-3 (13-15)08192016 460-118926-6 8/19/2016 1 And 4 mg/kg
Aluminum	**NS**	8800	9140	4250	7610	6220	8570	4700
Antimony	**NS**	4.5	3.2 U	3.2 U	3.5 U	3.5 U	3.5 U	3.4 U
Arsenic	**16**	6.1	3.8	1.5 J	6	7.4	4.5	1.2 J
Barium	**400**	102	78.9	29.8 J	139	109	103	36
Beryllium	**72**	0.39	0.38	0.32 U	0.43	0.31 J	0.34 J	0.34 U
Cadmium	**4.3**	0.64 U	0.64 U	0.65 U	0.7 U	0.69 U	0.69 U	0.67 U
Calcium	**NS**	12700	7260	3950	39700	38800	22000	1380
Chromium, Total	**180***	15.8	22.7	12.4	13.2	17.8	19.6	10.9
Cobalt	**NS**	6.8 J	9.2	5.3 J	5.3 J	4 J	5.4 J	4.8 J
Copper	**270**	22.3	22.9	11.8	31.5	25.8	24.4	10.3
Iron	**NS**	15000	19200	10800	12900	14000	16000	10700
Lead	**400**	**3910**	**1350**	194	**2880**	**2080**	257	1.7 U
Magnesium	**NS**	4590	4790	2710	3100	5320	3530	2420
Manganese	**2000**	425	487	308	235	250	343	219
Mercury	**0.81**	0.21	0.25	0.018 U	0.24	0.22	0.39	0.017 U
Nickel	**310**	17.5	21.8	14.2	13.4	11.7	14.3	14
Potassium	**NS**	1530	2150	873	1260	812 J	951	928
Selenium	**180**	3.2 U	3.2 U	3.2 U	3.5 U	3.5 U	3.5 U	3.4 U
Silver	**180**	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.7 U	1.7 U
Sodium	**NS**	381 J	130 J	106 J	247 J	240 J	219 J	79.7 J
Thallium	**NS**	3.2 U	3.2 U	3.2 U	3.5 U	3.5 U	3.5 U	3.4 U
Vanadium	**NS**	22.1	26.1	15.9	22.3	16.8	22.9	15.2
Zinc	**10000**	83.3	74.4	25.7	218	153	116	29.4

Table 3
85 Jay Street
Brooklyn, NY
Soil Analtyical Results
Metals

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-4 (3-5) 08182016 460-118857-7 8/18/2016 1 And 4 mg/kg	SB-4 (11-13) 08182016 460-118857-8 8/18/2016 1 And 4 mg/kg	SB-5 (2-4) 08182016 460-118857-11 8/18/2016 1 And 4 mg/kg	SB-5 (13-15) 08182016 460-118857-12 8/18/2016 1 And 4 mg/kg	SB-6 (2-4) 08182016 460-118857-9 8/18/2016 1 And 4 And 40 mg/kg	SB-6 (13-15) 08182016 460-118857-10 8/18/2016 1 And 4 mg/kg	SB-7 (2-4) 08182016 460-118857-13 8/18/2016 1 And 4 mg/kg
Aluminum	**NS**	6560	9350	2750	4050	6830	3800	6000
Antimony	**NS**	3.3 U	3.8 U	3.2 U	3.4 U	3.5 U	3.4 U	3.5 U
Arsenic	**16**	6.7	1.9 J	0.83 J	0.95 J	3	1.3 J	2.8
Barium	**400**	117	98.1	21.9 J	33.3 J	78.1	35.4	62.2
Beryllium	**72**	0.33 U	0.38 U	0.32 U	0.34 U	0.35 U	0.34 U	0.35 U
Cadmium	**4.3**	0.67 U	0.77 U	0.64 U	0.68 U	0.43 J	0.68 U	0.7 U
Calcium	**NS**	10400	4800	1940	1970	13200	2720	13000
Chromium, Total	**180***	25.6	23.9	5.5	11.7	16.4	21.8	13.4
Cobalt	**NS**	7.9 J	10.3	2.5 J	3.8 J	6 J	5.7 J	5.8 J
Copper	**270**	36.2	28.7	5.7	10.5	21.6	16.1	18.3
Iron	**NS**	18600	21800	6370	10900	14900	9500	13500
Lead	**400**	**774**	**684**	15.6	1.7 U	**10600**	4.1	**1760**
Magnesium	**NS**	5560	5730	1880	2070	4310	2320	4420
Manganese	**2000**	282	400	229	244	344	263	339
Mercury	**0.81**	0.76	0.43	0.016 U	0.016 U	0.29	0.016 U	0.21
Nickel	**310**	32.5	24.9	9.3	14.2	19	9.5	16.1
Potassium	**NS**	1700	3570	630 J	892	1580	857	1500
Selenium	**180**	3.3 U	3.8 U	3.2 U	3.4 U	3.5 U	3.4 U	3.5 U
Silver	**180**	0.51 J	0.61 J	1.6 U	1.7 U	0.49 J	1.7 U	0.38 J
Sodium	**NS**	219 J	200 J	82.2 J	139 J	215 J	178 J	98.7 J
Thallium	**NS**	3.3 U	3.8 U	3.2 U	3.4 U	3.5 U	3.4 U	3.5 U
Vanadium	**NS**	22.2	34.1	6.5 J	13.8	19.3	14.5	18.1
Zinc	**10000**	134	90.8	14.6	27.9	224	25.8	102

Table 3
85 Jay Street
Brooklyn, NY
Soil Analtyical Results
Metals

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-7 (13-15) 08182016 460-118857-14 8/18/2016 1 And 4 mg/kg	SB-8 (2-4) 08182016 460-118857-5 8/18/2016 1 And 4 And 10 mg/kg	SB-8 (13-15) 08182016 460-118857-6 8/18/2016 1 And 4 And 10 mg/kg	SB-9 (2-4) 08182016 460-118857-3 8/18/2016 1 And 4 And 10 mg/kg	SB-9 (12-14) 08182016 460-118857-4 8/18/2016 1 And 4 mg/kg	SB-10 (2-4) 08182016 460-118857-1 8/18/2016 1 And 4 And 10 mg/kg	SB-10 (13-15) 08182016 460-118857-2 8/18/2016 1 And 4 mg/kg	FB08192016 460-118926-8 8/19/2016 1 ug/l
Aluminum	**NS**	3190	7470	7390	5760	5800	8230	3560	200 U
Antimony	**NS**	3.4 U	3.6 U	3.5 U	3.7 U	3.1 U	3.7 U	3.1 U	20.0 U
Arsenic	**16**	2.6 U	4.2	4	4.1	1 J	3	2.4 U	15.0 U
Barium	**400**	21 J	200	80.6	91.3	55	187	69.3	200.0 U
Beryllium	**72**	0.34 U	0.36 U	0.35 U	0.37 U	0.31 U	0.37 U	0.31 U	2.00 U
Cadmium	**4.3**	0.68 U	0.72 U	0.7 U	0.75 U	0.62 U	0.74 U	0.63 U	4.00 U
Calcium	**NS**	889	52600	13700	78900	3220	65100	4340	5000 U
Chromium, Total	**180***	7.2	17.2	15.3	12.1	15.9	18.6	14.4	10.0 U
Cobalt	**NS**	3.2 J	4.5 J	6.5 J	3.1 J	5.7 J	3.6 J	7.6 J	50.0 U
Copper	**270**	6.9	20	24.7	31	9.5	15.7	15.6	25.0 U
Iron	**NS**	9220	11300	16800	10500	11100	11700	11100	150 U
Lead	**400**	1.7 U	363	**2840**	99.8	0.72 J	105	1.6 U	10.0 U
Magnesium	**NS**	1910	4930	4630	15600	5000	4450	4930	5000 U
Manganese	**2000**	214	256	329	166	441	190	392	15 U
Mercury	**0.81**	0.017 U	0.14	0.15	0.12	0.016 U	0.25	0.017 U	0.200 U
Nickel	**310**	10.2	12.7	18.4	11.4	34.2	13.1	47.3	40.0 U
Potassium	**NS**	479 J	1330	1670	913 J	829	1230	742 J	5000 U
Selenium	**180**	3.4 U	3.6 U	3.5 U	1.5 J	3.1 U	3.7 U	3.1 U	20.0 U
Silver	**180**	1.7 U	1.8 U	0.48 J	1.9 U	1.5 U	0.41 J	1.6 U	10.0 U
Sodium	**NS**	856 U	276 J	192 J	200 J	183 J	298 J	73.4 J	5000.0 U
Thallium	**NS**	3.4 U	3.6 U	3.5 U	3.7 U	3.1 U	3.7 U	3.1 U	20.0 U
Vanadium	**NS**	10	19.2	22.9	23.3	24.8	18.9	17.9	50.0 U
Zinc	**10000**	21.5	208	93.5	141	53.3	171	46.5	30.0 U

Table 4
85 Jay Street
Brooklyn, NY
Soil Analytical Results
Polychlorinated Biphenyls

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-1 (2-4)-08192016 460-118926-1 8/19/2016 1 ug/kg	SB-X08192016 460-118926-7 8/19/2016 1 ug/kg	SB-1 (12-14)-08192016 460-118926-2 8/19/2016 1 ug/kg	SB-2 (2-4)08192016 460-118926-3 8/19/2016 1 ug/kg	SB-2 (10-12)08192016 460-118926-4 8/19/2016 1 ug/kg	SB-3 (2-4)08192016 460-118926-5 8/19/2016 1 ug/kg	SB-3 (13-15)08192016 460-118926-6 8/19/2016 1 ug/kg
PCB-1016 (Aroclor 1016)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
PCB-1221 (Aroclor 1221)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
PCB-1232 (Aroclor 1232)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
PCB-1242 (Aroclor 1242)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
PCB-1248 (Aroclor 1248)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
PCB-1254 (Aroclor 1254)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
PCB-1260 (Aroclor 1260)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
PCB-1262 (Aroclor 1262)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
PCB-1268 (Aroclor 1268)	**NS**	72 U	71 U	71 U	75 U	73 U	73 U	71 U
Total Polychlorinated Biphenyl (PCBs)	**1000**	72 U	71 U	71 U	75 U	73 U	73 U	71 U

Table 4
85 Jay Street
Brooklyn, NY
Soil Analytical Results
Polychlorinated Biphenyls

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-4 (3-5) 08182016 460-118857-7 8/18/2016 1 ug/kg	SB-4 (11-13) 08182016 460-118857-8 8/18/2016 1 ug/kg	SB-5 (2-4) 08182016 460-118857-11 8/18/2016 1 ug/kg	SB-5 (13-15) 08182016 460-118857-12 8/18/2016 1 ug/kg	SB-6 (2-4) 08182016 460-118857-9 8/18/2016 1 ug/kg	SB-6 (13-15) 08182016 460-118857-10 8/18/2016 1 ug/kg	SB-7 (2-4) 08182016 460-118857-13 8/18/2016 1 ug/kg
PCB-1016 (Aroclor 1016)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
PCB-1221 (Aroclor 1221)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
PCB-1232 (Aroclor 1232)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
PCB-1242 (Aroclor 1242)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
PCB-1248 (Aroclor 1248)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
PCB-1254 (Aroclor 1254)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
PCB-1260 (Aroclor 1260)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
PCB-1262 (Aroclor 1262)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
PCB-1268 (Aroclor 1268)	**NS**	72 U	83 U	69 U	70 U	71 U	70 U	74 U
Total Polychlorinated Biphenyl (PCBs)	**1000**	72 U	83 U	69 U	70 U	71 U	70 U	74 U

Table 4
85 Jay Street
Brooklyn, NY
Soil Analytical Results
Polychlorinated Biphenyls

Sample ID Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Restricted Residential SCO ug/kg	SB-7 (13-15) 08182016 460-118857-14 8/18/2016 1 ug/kg	SB-8 (2-4) 08182016 460-118857-5 8/18/2016 1 ug/kg	SB-8 (13-15) 08182016 460-118857-6 8/18/2016 1 ug/kg	SB-9 (2-4) 08182016 460-118857-3 8/18/2016 1 ug/kg	SB-9 (12-14) 08182016 460-118857-4 8/18/2016 1 ug/kg	SB-10 (2-4) 08182016 460-118857-1 8/18/2016 1 ug/kg	SB-10 (13-15) 08182016 460-118857-2 8/18/2016 1 ug/kg	FB08192016 460-118926-8 8/19/2016 1 ug/l
PCB-1016 (Aroclor 1016)	**NS**	70 U	71 U	76 U	78 U	70 U	75 U	69 U	0.4 U
PCB-1221 (Aroclor 1221)	**NS**	70 U	71 U	76 U	78 U	70 U	75 U	69 U	0.4 U
PCB-1232 (Aroclor 1232)	**NS**	70 U	71 U	76 U	78 U	70 U	75 U	69 U	0.4 U
PCB-1242 (Aroclor 1242)	**NS**	70 U	71 U	76 U	78 U	70 U	75 U	69 U	0.4 U
PCB-1248 (Aroclor 1248)	**NS**	70 U	71 U	76 U	78 U	70 U	75 U	69 U	0.4 U
PCB-1254 (Aroclor 1254)	**NS**	70 U	71 U	76 U	78 U	70 U	84	69 U	0.4 U
PCB-1260 (Aroclor 1260)	**NS**	70 U	71 U	76 U	78 U	70 U	75 U	69 U	0.4 U
PCB-1262 (Aroclor 1262)	**NS**	70 U	71 U	76 U	78 U	70 U	75 U	69 U	0.4 U
PCB-1268 (Aroclor 1268)	**NS**	70 U	71 U	76 U	78 U	70 U	75 U	69 U	0.4 U
Total Polychlorinated Biphenyl (PCBs)	**1000**	70 U	71 U	76 U	78 U	70 U	84	69 U	0.4 U

NS	**:**	No standard listed.
TS	**:**	Value represents a sum total standard.
U	**:**	The analyte was not detected at the indicated concentration.
J	**:**	The concentration given is an estimated value.
T	**:**	A quality control parameter exceeded laboratory limits.
NA:		The analyte was not analyzed for
Part 375 Soil Cleanup Objectives	**:**	Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).
µg/kg	**:**	micrograms per kilogram = parts per billion (ppb)
mg/kg	**:**	milligrams per kilogram = parts per million (ppm)
Metals		
*****	**:**	Standard reflects trivalent, not total, Chromium.

Exceedances of Part 375 Restricted Residential SCOs are highlighted in bold font.

APPENDIX A
SOIL BORING LOGS

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 1**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	8:08	**Finish Time**	8:35
Date	8/19/2016		
Weather:	75 °F, sunny		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	44		brown fine SAND, some Silt, little Brick and fine Gravel (FILL)	ND	Dry	5.3 ppm	ND	SB-1 (2-4) 08192016
2								
3								SB-X 08192016
4								
5								
6	40	Top 12":	brown fine SAND, some Silt, little Brick and fine Gravel (FILL)	ND	Dry	ND	ND	
7								
8		Bottom 28":	brown fine to medium SAND, trace Brick and fine Gravel (FILL)	ND	Dry	1.8 ppm	ND	
9								
10								
11	44	Top 14":	brown fine to medium SAND, trace Brick and fine Gravel (FILL)	ND	Dry	ND	ND	
12								
13		Bottom 30":	brown fine to coarse SAND	ND	Dry	ND	ND	SB-1 (12-14) 08192016
14								
15								

Notes: End of boring at 15 feet below ground surface

SB-X08192016 was collected as a field duplicate of SB-1 (2-4) 08192016

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 2**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling			
Start Time	8:56	**Finish Time**	9:13
Date	8/19/2016		
Weather:	75 °F, sunny		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	43	Top 4":	gray fine to coarse SAND, little fine Gravel	ND	Dry	ND	ND	
2								
3		Bottom 39":	brown and gray fine to coarse SAND, little Brick, Asphalt, and Gravel (FILL)	ND	Dry	ND	ND	SB-2 (2-4) 08192016
4								
5								
6	57	Top 48":	brown fine SAND, some Silt, little fine Gravel, trac Brick (FILL)	ND	Dry	1.2 ppm	ND	
7								
8								
9		Bottom 9":	brown SILT and SAND, trace fine Gravel	ND	Dry	ND	ND	
10								
11	58	Top 30":	dark gray fine to coarse SAND, some fine Gravel	ND	Dry	4.3 ppm	ND	SB-2 (10-12) 08192016
12								
13		Middle 25":	brown SILT, trace fine Sand	ND	Dry	ND	ND	
14								
15		Bottom 3":	brown fine to coarse SAND, some decomposed Rock	ND	Dry	ND	ND	

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 3**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	9:39	**Finish Time**	9:51
Date	8/19/2016		
Weather:	80 °F, sunny		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	49	Top 2":	gray fine to medium SAND and fine GRAVEL	ND	Dry	ND	ND	
2		Middle 35":	brown fine to medium SAND, some fine Gravel, trace Glass (FILL)	ND	Dry	ND	ND	SB-3 (2-4) 08192016
3								
4		Bottom 12":	brown SILT	ND	Dry	ND	ND	
5								
6	45	Top 5":	brown SILT	ND	Dry	ND	ND	
7		Middle 5":	gray-brown fine to coarse SAND, little fine Gravel	ND	Dry	ND	ND	
8		Bottom 35":	brown SAND and SILT, little fine Gravel	ND	Dry	ND	ND	
9								
10								
11	49		brown fine SAND, some Silt, little Gravel	ND	Dry	ND	ND	SB-3 (13-15) 08192016
12								
13								
14								
15								

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 4**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	11:29	**Finish Time**	11:50
Date	8/18/2016		
Weather:	80 °F, mostly cloudy		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	45	Top 14":	brown SAND, little Brick and Gravel (FILL)	ND	Dry	ND	ND	
2		Middle 16":	BRICK (FILL), some brown Sand and Gravel	ND	Dry	ND	ND	
3		Next 2"	light brown fine SAND, some Concrete (FILL)	ND	Dry	2.4 ppm	ND	
4		Bottom 13":	brown fine SAND, little Brick and Gravel (FILL)	ND ND	Dry	65.7 ppm	ND	SB-4 (3-5) 08182016
5								
6	47	Top 5":	brown fine SAND, little Brick and Gravel (FILL)	ND	Dry	ND	ND	
7		Next 29":	brown fine SAND, trace Brick (FILL)	ND	Dry	ND	ND	
8		Next 2":	BRICK (FILL)	ND	Dry	ND	ND	
9		Bottom 11":	brown fine SAND, trace Brick and Asphalt (FILL)	ND	Dry	ND	ND	
10								
11	46	Top 7":	brown fine SAND, trace Brick and Asphalt (FILL)	ND	Dry	ND	ND	
12								
13		Middle 21":	brown clayey SILT, trace fine Gravel	ND	Dry	1.7 ppm	ND	SB-4 (11-13) 08182016
14		Bottom 18":	light brown fine to coarse SAND	ND	Dry	ND	ND	
15								

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 5**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	13:50	**Finish Time**	14:08
Date	8/18/2016		
Weather:	80 °F, mostly cloudy		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	44	Top 5":	gray fine to medium SAND, some Gravel	ND	Dry	ND	ND	
2		Middle 6":	brown fine to medium SAND, trace Brick (FILL)	ND	Dry	ND	ND	SB-5 (2-4) 08182016
3								
4		Bottom 33":	brown fine to coarse SAND	ND	Dry	ND	ND	
5								
6	51	Top 38":	brown fine to coarse SAND	ND	Dry	ND	ND	
7								
8		Bottom 13":	brown silty CLAY	ND	Dry	ND	ND	
9								
10								
11	58	Top 14":	light brown fine to coarse SAND, trace Gravel	ND	Dry	ND	ND	
12		Middle 18":	gray fine SAND, some Gravel, trace Asphalt (FILL	ND	Dry	ND	ND	
13								
14		Bottom 26":	brown SAND, little Gravel	ND	Dry	ND	ND	SB-5 (13-15) 08182016
15								

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 6**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	12:27	**Finish Time**	12:48
Date	8/18/2016		
Weather:	80 °F, overcast		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	48	Top 10":	Gray SAND, some fine Gravel	ND	Dry	ND	ND	
2		Middle 24":	Brown SAND and SILT, some fine Gravel	ND	Dry	ND	ND	SB-6 (2-4) 08182016
3								
4		Bottom 14":	Brown clayey SILT	ND	Dry	ND	ND	
5								
6	47	Top 3":	Brown clayey SILT	ND	Dry	ND	ND	
7		Next 8":	Gray SAND, some fine Gravel	ND	Dry	ND	ND	
8		Next 15":	Brown clayey SILT	ND	Moist	ND	ND	
9		Bottom 21":	Brown fine to medium SAND, trace Gravel	ND	Dry	ND	ND	
10								
11	35							
12			Brown fine to medium SAND, trace Gravel	ND	Dry	ND	ND	SB-6 (13-15) 08182016
13								
14								
15								

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector

ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 7**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	14:25	**Finish Time**	14:46
Date	8/18/2016		
Weather:	80 °F, sunny		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	32	Top 10": gray fine SAND, some fine Gravel	ND	Dry	ND	ND	
2							
3		Bottom 22": brown fine to medium SAND, tracel Brick and fine Gravel (FILL)	ND	Dry	ND	ND	SB-7 (2-4) 08182016
4							
5							
6	37	brown fine to medium SAND, tracel Brick and fine Gravel (FILL)	ND	Dry	ND	ND	
7							
8							
9							
10							
11	54	brown fine to medium SAND, tracel Brick and fine Gravel (FILL)	ND	Dry	ND	ND	SB-7 (13-15) 08182016
12							
13							
14							
15							

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 8**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	9:55	**Finish Time**	10:45
Date	8/18/2016		
Weather:	75 °F, partly cloudy		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	34	Top 17": gray-brown fine SAND, some Concrete and Brick (FILL)	ND	Dry	ND	ND	SB-8 (2-4) 08182016
2							
3		Bottom 17": light brown fine sand, trace fine Gravel	ND	Dry	ND	ND	SB-8 (2-4) 08182016MS
4							SB-8 (2-4) 08182016MSD
5							
6	31	light brown fine sand, trace fine Gravel	ND	Dry	ND	ND	
7							
8							
9							
10							
11	38	Top 30": light brown fine sand, trace fine Gravel	ND	Dry	ND	ND	
12							
13							
14		Bottom 8": brown fine to coarse SAND	ND	Dry	ND	ND	SB-8 (13-15) 08182016
15							

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 9**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	9:15	**Finish Time**	9:40
Date	8/18/2016		
Weather:	75 °F, overcast, intermittent rain		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	42	Top 11": brown fine SAND, some Brick (FILL), little fine Gravel	ND	Dry	ND	ND	
2							
3		Middle 10": gray fine SAND, some fine Gravel	ND	Dry	ND	ND	SB-9 (2-4) 08182016
4		Bottom 21": brown fine SAND, trace Brick, Asphalt, and Gravel (FILL)	ND	Dry	ND	ND	
5							
6	37	light brown fine to medium sand, little Brick and fine Gravel (FILL)	ND	Dry	ND	ND	
7							
8							
9							
10							
11	45						
12		Top 34": light brown fine to medium sand, little Brick and Gravel	ND	Dry	ND	ND	
13							
14		Bottom 11": brown fine SAND and SILT	ND	Dry	ND	ND	SB-9 (12-14) 08182016
15							

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

85 Jay Street
Brooklyn, NY

AKRF Project Number: 12519

Boring No. **SB- 10**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	Cascade
Sampler:	MD

Drilling

Start Time	8:20	**Finish Time**	8:55
Date	8/18/2016		
Weather:	75 °F, overcast, intermittent rain		

Depth (feet)	Recovery (Inches)	Surface Condition: GRAVEL		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	49	Top 5":	light brown SAND and SILT	ND	Dry	ND	ND	
2		Middle 22":	light gray fine SAND, some fine Gravel, trace Brick (FILL)	ND	Dry	15.4 ppm	ND	SB-10 (2-4) 08182016
3								
4		Bottom 22":	brown fine SAND, some Brick (FILL), trace fine Gravel	ND	Dry	ND	ND	
5								
6	32	Top 23":	gray-brown fine to medium SAND, little fine Grave	ND	Dry	ND	ND	
7								
8		Bottom 9":	red-brown fine to coarse SAND, little fine Gravel	ND	Dry	ND	ND	
9								
10								
11	37	Top 9":	light brown fine SAND					
12				ND	Dry	ND	ND	
13		Bottom 28":	red-brown fine to coarse SAND, little fine Gravel	ND	Dry	ND	ND	SB-10 (13-15) 08182016
14								
15								

Notes: End of boring at 15 feet below ground surface

PID = photoionization detector ppm = parts per million ND = Not Detected

APPENDIX B

LABORATORY ANALYTICAL DATA SHEETS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-118857-1

Job Description: 85 Jay Street

For:
AKRF Inc
34 South Broadway
Suite 314
White Plains, NY 10601

Attention: Marc Godick

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
9/6/2016 1:23 PM

Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
09/06/2016
Revision: 2

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-118857-1

Job Description: 85 Jay Street

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Approved for release.
Melissa Haas
Project Manager I
9/6/2016 1:23 PM

Melissa Haas

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CASE NARRATIVE

Client: AKRF Inc

Project: 85 Jay Street

Report Number: 460-118857-1
Revised Report 2

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

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

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

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

REVISION 1
The following report required a revision: 460-118857-1. Details are as follows: Per client request, the SDG was kept open until the second set of samples (460-118926) were received; however, these samples were not included in the final deliverabables.

REVISION 2
The following report required a second revision: 460-118857-1. Details are as follows: The first revision did not include the sample IDs of the samples from login number 460-118926 in the job narrative.

RECEIPT
The samples were received on 8/18/2016 5:00 PM and 8/19/2016 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.8º C and 2.5º C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. *No date, time, matrix, or number of containers listed on COC.

One or more containers for the following sample was received empty: SB-2(2-4)08192016 (460-118926-3). 60ml plastic container for moisture was received empty.

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

VOLATILE ORGANICS
Samples SB-10 (2-4) 08182016 (460-118857-1), SB-1(2-4)-08192016 (460-118926-1), SB-10 (13-15) 08182016 (460-118857-2), SB-1(12-14)-08192016 (460-118926-2), SB-9 (2-4) 08182016 (460-118857-3), SB-2(2-4)08192016 (460-118926-3), SB-9 (12-14) 08182016 (460-118857-4), SB-2(10-12)08192016 (460-118926-4), SB-8 (2-4) 08182016 (460-118857-5), SB-3(2-4)08192016 (460-118926-5), SB-8 (13-15) 08182016 (460-118857-6), SB-3(13-15)08192016 (460-118926-6), SB-4 (3-5) 08182016 (460-118857-7), SB-X08192016 (460-118926-7), SB-4 (11-13) 08182016 (460-118857-8), SB-6 (2-4) 08182016 (460-118857-9), SB-6 (13-15) 08182016 (460-118857-10), SB-5 (2-4) 08182016 (460-118857-11), SB-5 (13-15) 08182016 (460-118857-12), SB-7 (2-4) 08182016 (460-118857-13) and SB-7 (13-15) 08182016 (460-118857-14) were analyzed for Volatile organics in accordance with EPA SW-846 Method 8260C. The samples were prepared on 08/18/2016 and 08/19/2016 and analyzed on 08/21/2016, 08/22/2016 and 08/23/2016.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 460-385824 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 460-386008 recovered above the upper control limit for Methyl acetate. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method(s) 8260B, 8260C: The continuing calibration verification (CCV) associated with batch 460-385947 recovered above the upper control limit for Carbon Tetrachloride and Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 460-385947 recovered outside control limits for the following analyte: Bromoform. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 460-386039 was outside the method criteria for the following analyte: Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 460-386039 recovered outside control limits for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. This analyte was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: Surrogate Dibromofluoromethane recovery for the following sample was outside control limits: SB-10 (2-4) 08182016 (460-118857-1). Surrogate recoveries for the other three system monitoring compounds were within control limits; therefore, re-analysis was not performed.

Method(s) 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-386262 recovered outside control limits for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane and Tetrachloroethene. These analytes were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANICS

Samples FB08192016 (460-118926-8), TB08192016 (460-118926-9) and TB 08182016 (460-118857-15) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 08/20/2016 and 08/22/2016.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS

Samples SB-10 (2-4) 08182016 (460-118857-1), SB-1(2-4)-08192016 (460-118926-1), SB-10 (13-15) 08182016 (460-118857-2), SB-1(12-14)-08192016 (460-118926-2), SB-9 (2-4) 08182016 (460-118857-3), SB-2(2-4)08192016 (460-118926-3), SB-9 (12-14) 08182016 (460-118857-4), SB-2(10-12)08192016 (460-118926-4), SB-8 (2-4) 08182016 (460-118857-5), SB-3(2-4)08192016 (460-118926-5), SB-8 (13-15) 08182016 (460-118857-6), SB-3(13-15)08192016 (460-118926-6), SB-4 (3-5) 08182016 (460-118857-7), SB-X08192016 (460-118926-7), SB-4 (11-13) 08182016 (460-118857-8), SB-6 (2-4) 08182016 (460-118857-9), SB-6 (13-15) 08182016 (460-118857-10), SB-5 (2-4) 08182016 (460-118857-11), SB-5 (13-15) 08182016 (460-118857-12), SB-7 (2-4) 08182016 (460-118857-13) and SB-7 (13-15) 08182016 (460-118857-14) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 08/22/2016 and analyzed on 08/23/2016.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample FB08192016 (460-118926-8) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 08/22/2016 and analyzed on 08/23/2016.

Method(s) 8082A: The Decachlorobiphenyl surrogate recovery for the following MSD was outside acceptance limits (high biased) on the confirmation column due to matrix interference: (460-118778-J-10-C MS). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS

Samples SB-10 (2-4) 08182016 (460-118857-1), SB-1(2-4)-08192016 (460-118926-1), SB-10 (13-15) 08182016 (460-118857-2), SB-1(12-14)-08192016 (460-118926-2), SB-9 (2-4) 08182016 (460-118857-3), SB-2(2-4)08192016 (460-118926-3), SB-9 (12-14) 08182016 (460-118857-4), SB-2(10-12)08192016 (460-118926-4), SB-8 (2-4) 08182016 (460-118857-5), SB-3(2-4)08192016 (460-118926-5), SB-8 (13-15) 08182016 (460-118857-6), SB-3(13-15)08192016 (460-118926-6), SB-4 (3-5) 08182016 (460-118857-7), SB-X08192016 (460-118926-7), SB-4 (11-13) 08182016 (460-118857-8), SB-6 (2-4) 08182016 (460-118857-9), SB-6 (13-15) 08182016 (460-118857-10), SB-5 (2-4) 08182016 (460-118857-11), SB-5 (13-15) 08182016 (460-118857-12), SB-7 (2-4) 08182016 (460-118857-13) and SB-7 (13-15) 08182016 (460-118857-14) were analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 08/20/2016 and 08/22/2016 and analyzed on 08/22/2016, 08/23/2016 and 08/24/2016.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 460-385995 was outside the method criteria for the following analyte(s): 2-Nitroaniline. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and

found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The following laboratory control sample (LCS) associated with batch 460-385919 contained one acid/base surrogate outside acceptance limits:(LCS 460-385919/2-A). The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 460-386190 was outside the method criteria for the following analyte(s): 2-Nitroaniline, 4-Nitroaniline and 2,4,6-Tribromophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in 460-386360 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in 460-386455 was outside the method criteria for the following analyte(s): 2-Fluorophenol, Hexachloroethane and N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 386078 had two analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample FB08192016 (460-118926-8) was analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 08/20/2016 and analyzed on 08/24/2016.

Method(s) 8270D: The method blank for preparation batch 460-385924 and analytical batch 460-386360 contained Bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

METALS

Samples SB-10 (2-4) 08182016 (460-118857-1), SB-1(2-4)-08192016 (460-118926-1), SB-10 (13-15) 08182016 (460-118857-2), SB-1(12-14)-08192016 (460-118926-2), SB-9 (2-4) 08182016 (460-118857-3), SB-2(2-4)08192016 (460-118926-3), SB-9 (12-14) 08182016 (460-118857-4), SB-2(10-12)08192016 (460-118926-4), SB-8 (2-4) 08182016 (460-118857-5), SB-3(2-4)08192016 (460-118926-5), SB-8 (13-15) 08182016 (460-118857-6), SB-3(13-15)08192016 (460-118926-6), SB-4 (3-5) 08182016 (460-118857-7), SB-X08192016 (460-118926-7), SB-4 (11-13) 08182016 (460-118857-8), SB-6 (2-4) 08182016 (460-118857-9), SB-6 (13-15) 08182016 (460-118857-10), SB-5 (2-4) 08182016 (460-118857-11), SB-5 (13-15) 08182016 (460-118857-12), SB-7 (2-4) 08182016 (460-118857-13) and SB-7 (13-15) 08182016 (460-118857-14) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 08/20/2016 and analyzed on 08/21/2016, 08/22/2016 and 08/23/2016.

Samples SB-10 (2-4) 08182016 (460-118857-1)[10X], SB-1(2-4)-08192016 (460-118857-1)[20X], SB-10 (2-4) 08182016 (460-118857-1)[4X], SB-1(2-4)-08192016 (460-118857-1)[4X], SB-10 (13-15) 08182016 (460-118857-2)[4X], SB-1(12-14)-08192016 (460-118857-2)[4X], SB-9 (2-4) 08182016 (460-118857-3)[10X], SB-2(2-4)08192016 (460-118857-3)[10X], SB-9 (2-4) 08182016 (460-118857-3)[4X], SB-2(2-4)08192016 (460-118857-3)[4X], SB-9 (12-14) 08182016 (460-118857-4)[4X], SB-2(10-12)08192016 (460-118857-4)[4X], SB-8 (2-4) 08182016 (460-118857-5)[10X], SB-8 (2-4) 08182016 (460-118857-5)[4X], SB-3(2-4)08192016 (460-118857-5)[4X], SB-8 (13-15) 08182016 (460-118857-6)[10X], SB-8 (13-15) 08182016 (460-118857-6)[4X], SB-3(13-15)08192016 (460-118857-6)[4X], SB-4 (3-5) 08182016 (460-118857-7)[4X], SB-X08192016 (460-118857-7)[4X], SB-4 (11-13) 08182016 (460-118857-8)[4X], SB-6 (2-4) 08182016 (460-118857-9)[4X], SB-6 (2-4) 08182016 (460-118857-9)[40X], SB-6 (13-15) 08182016 (460-118857-10)[4X], SB-5 (2-4) 08182016 (460-118857-11)[4X], SB-5 (13-15) 08182016 (460-118857-12)[4X], SB-7 (2-4) 08182016 (460-118857-13)[4X] and SB-7 (13-15) 08182016 (460-118857-14)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

METALS

Sample FB08192016 (460-118926-8) was analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 08/23/2016 and analyzed on 08/24/2016.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

TOTAL MERCURY

Sample FB08192016 (460-118926-8) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 08/24/2016.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

TOTAL MERCURY

Samples SB-10 (2-4) 08182016 (460-118857-1), SB-1(2-4)-08192016 (460-118926-1), SB-10 (13-15) 08182016 (460-118857-2), SB-1(12-14)-08192016 (460-118926-2), SB-9 (2-4) 08182016 (460-118857-3), SB-2(2-4)08192016 (460-118926-3), SB-9 (12-14) 08182016 (460-118857-4), SB-2(10-12)08192016 (460-118926-4), SB-8 (2-4) 08182016 (460-118857-5), SB-3(2-4)08192016 (460-118926-5), SB-8 (13-15) 08182016 (460-118857-6), SB-3(13-15)08192016 (460-118926-6), SB-4 (3-5) 08182016 (460-118857-7), SB-X08192016 (460-118926-7), SB-4 (11-13) 08182016 (460-118857-8), SB-6 (2-4) 08182016 (460-118857-9), SB-6 (13-15) 08182016 (460-118857-10), SB-5 (2-4) 08182016 (460-118857-11), SB-5 (13-15) 08182016 (460-118857-12), SB-7 (2-4) 08182016 (460-118857-13) and SB-7 (13-15) 08182016 (460-118857-14) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 08/19/2016 and 08/22/2016.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

PERCENT SOLIDS/PERCENT MOISTURE

Samples SB-10 (2-4) 08182016 (460-118857-1), SB-1(2-4)-08192016 (460-118926-1), SB-10 (13-15) 08182016 (460-118857-2), SB-1(12-14)-08192016 (460-118926-2), SB-9 (2-4) 08182016 (460-118857-3), SB-2(2-4)08192016 (460-118926-3), SB-9 (12-14) 08182016 (460-118857-4), SB-2(10-12)08192016 (460-118926-4), SB-8 (2-4) 08182016 (460-118857-5), SB-3(2-4)08192016 (460-118926-5), SB-8 (13-15) 08182016 (460-118857-6), SB-3(13-15)08192016 (460-118926-6), SB-4 (3-5) 08182016 (460-118857-7), SB-X08192016 (460-118926-7), SB-4 (11-13) 08182016 (460-118857-8), SB-6 (2-4) 08182016 (460-118857-9), SB-6 (13-15) 08182016 (460-118857-10), SB-5 (2-4) 08182016 (460-118857-11), SB-5 (13-15) 08182016 (460-118857-12), SB-7 (2-4) 08182016 (460-118857-13) and SB-7 (13-15) 08182016 (460-118857-14) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 08/23/2016 and 08/24/2016.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-118857-1	SB-10 (2-4) 08182016	Solid	08/18/16 08:30	08/18/16 17:00
460-118857-2	SB-10 (13-15) 08182016	Solid	08/18/16 08:56	08/18/16 17:00
460-118857-3	SB-9 (2-4) 08182016	Solid	08/18/16 09:31	08/18/16 17:00
460-118857-4	SB-9 (12-14) 08182016	Solid	08/18/16 09:43	08/18/16 17:00
460-118857-5	SB-8 (2-4) 08182016	Solid	08/18/16 10:44	08/18/16 17:00
460-118857-6	SB-8 (13-15) 08182016	Solid	08/18/16 10:50	08/18/16 17:00
460-118857-7	SB-4 (3-5) 08182016	Solid	08/18/16 11:38	08/18/16 17:00
460-118857-8	SB-4 (11-13) 08182016	Solid	08/18/16 11:52	08/18/16 17:00
460-118857-9	SB-6 (2-4) 08182016	Solid	08/18/16 12:33	08/18/16 17:00
460-118857-10	SB-6 (13-15) 08182016	Solid	08/18/16 12:55	08/18/16 17:00
460-118857-11	SB-5 (2-4) 08182016	Solid	08/18/16 13:58	08/18/16 17:00
460-118857-12	SB-5 (13-15) 08182016	Solid	08/18/16 14:10	08/18/16 17:00
460-118857-13	SB-7 (2-4) 08182016	Solid	08/18/16 14:42	08/18/16 17:00
460-118857-14	SB-7 (13-15) 08182016	Solid	08/18/16 14:50	08/18/16 17:00
460-118857-15	TB 08182016	Water	08/18/16 00:00	08/18/16 17:00
460-118926-1	SB-1(2-4)-08192016	Solid	08/19/16 08:14	08/19/16 16:10
460-118926-2	SB-1(12-14)-08192016	Solid	08/19/16 08:40	08/19/16 16:10
460-118926-3	SB-2(2-4)08192016	Solid	08/19/16 09:02	08/19/16 16:10
460-118926-4	SB-2(10-12)08192016	Solid	08/19/16 09:20	08/19/16 16:10
460-118926-5	SB-3(2-4)08192016	Solid	08/19/16 09:42	08/19/16 16:10
460-118926-6	SB-3(13-15)08192016	Solid	08/19/16 09:55	08/19/16 16:10
460-118926-7	SB-X08192016	Solid	08/19/16 00:00	08/19/16 16:10
460-118926-8	FB08192016	Water	08/19/16 10:15	08/19/16 16:10
460-118926-9	TB08192016	Water	08/19/16 10:15	08/19/16 16:10

Detection Summary

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Client Sample ID: SB-10 (2-4) 08182016 — Lab Sample ID: 460-118857-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.4	J	4.9	0.75	ug/Kg	1	☼	8260C	Total/NA
Acetone	43		4.9	1.0	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.5		0.97	0.31	ug/Kg	1	☼	8260C	Total/NA
m-Xylene & p-Xylene	0.29	J	0.97	0.11	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.61	J	0.97	0.18	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	2.4		0.97	0.25	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	9.8	J	370	8.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	43		37	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	40		37	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	65		37	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	30	J	370	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	22	J	37	16	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	45	J	370	14	ug/Kg	1	☼	8270D	Total/NA
Chrysene	56	J	370	10	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	25	J	370	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	74	J	370	11	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	11	J	370	9.4	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	55	J	370	9.9	ug/Kg	1	☼	8270D	Total/NA
Pyrene	75	J	370	17	ug/Kg	1	☼	8270D	Total/NA
Aroclor 1254	84		75	10	ug/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	84		75	10	ug/Kg	1	☼	8082A	Total/NA
Aluminum	8230		36.9	19.0	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.0		2.8	0.91	mg/Kg	4	☼	6010C	Total/NA
Barium	187		36.9	1.3	mg/Kg	4	☼	6010C	Total/NA
Calcium	65100		2310	137	mg/Kg	10	☼	6010C	Total/NA
Chromium	18.6		1.8	0.89	mg/Kg	4	☼	6010C	Total/NA
Cobalt	3.6	J	9.2	1.1	mg/Kg	4	☼	6010C	Total/NA
Copper	15.7		4.6	1.2	mg/Kg	4	☼	6010C	Total/NA
Iron	11700		27.7	20.8	mg/Kg	4	☼	6010C	Total/NA
Lead	105		1.8	0.72	mg/Kg	4	☼	6010C	Total/NA
Magnesium	4450		922	46.0	mg/Kg	4	☼	6010C	Total/NA
Manganese	190		2.8	0.97	mg/Kg	4	☼	6010C	Total/NA
Nickel	13.1		7.4	1.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	1230		922	27.9	mg/Kg	4	☼	6010C	Total/NA
Silver	0.41	J	1.8	0.33	mg/Kg	4	☼	6010C	Total/NA
Sodium	298	J	922	62.4	mg/Kg	4	☼	6010C	Total/NA
Vanadium	18.9		9.2	0.92	mg/Kg	4	☼	6010C	Total/NA
Zinc	171		5.5	1.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.25		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-10 (13-15) 08182016 — Lab Sample ID: 460-118857-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		4.4	0.93	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.5		0.88	0.28	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.24	J	0.88	0.23	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	54		34	28	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	47		34	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	73		34	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	26	J	340	19	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-10 (13-15) 08182016 (Continued) — Lab Sample ID: 460-118857-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	30	J	34	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	38	J	340	13	ug/Kg	1	☼	8270D	Total/NA
Chrysene	55	J	340	9.2	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	39	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	80	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	29	J	34	23	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	49	J	340	9.0	ug/Kg	1	☼	8270D	Total/NA
Pyrene	90	J	340	15	ug/Kg	1	☼	8270D	Total/NA
Aluminum	3560		31.4	16.2	mg/Kg	4	☼	6010C	Total/NA
Barium	69.3		31.4	1.1	mg/Kg	4	☼	6010C	Total/NA
Calcium	4340		784	46.4	mg/Kg	4	☼	6010C	Total/NA
Chromium	14.4		1.6	0.76	mg/Kg	4	☼	6010C	Total/NA
Cobalt	7.6	J	7.8	0.90	mg/Kg	4	☼	6010C	Total/NA
Copper	15.6		3.9	1.0	mg/Kg	4	☼	6010C	Total/NA
Iron	11100		23.5	17.7	mg/Kg	4	☼	6010C	Total/NA
Magnesium	4930		784	39.1	mg/Kg	4	☼	6010C	Total/NA
Manganese	392		2.4	0.82	mg/Kg	4	☼	6010C	Total/NA
Nickel	47.3		6.3	1.1	mg/Kg	4	☼	6010C	Total/NA
Potassium	742	J	784	23.8	mg/Kg	4	☼	6010C	Total/NA
Sodium	73.4	J	784	53.1	mg/Kg	4	☼	6010C	Total/NA
Vanadium	17.9		7.8	0.78	mg/Kg	4	☼	6010C	Total/NA
Zinc	46.5		4.7	1.1	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SB-9 (2-4) 08182016 — Lab Sample ID: 460-118857-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.4	J	5.3	0.81	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.5		1.1	0.34	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2.0		1.1	0.29	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	16	J	380	8.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	52		38	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	45		38	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	85		38	15	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	37	J	380	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	24	J	38	17	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	100	J	380	15	ug/Kg	1	☼	8270D	Total/NA
Chrysene	75	J	380	10	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	46	J	380	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	86	J	380	11	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	36	J	38	25	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	14	J	380	9.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	64	J	380	10	ug/Kg	1	☼	8270D	Total/NA
Pyrene	97	J	380	17	ug/Kg	1	☼	8270D	Total/NA
Aluminum	5760		37.5	19.3	mg/Kg	4	☼	6010C	Total/NA
Arsenic	4.1		2.8	0.92	mg/Kg	4	☼	6010C	Total/NA
Barium	91.3		37.5	1.3	mg/Kg	4	☼	6010C	Total/NA
Calcium	78900		2340	139	mg/Kg	10	☼	6010C	Total/NA
Chromium	12.1		1.9	0.91	mg/Kg	4	☼	6010C	Total/NA
Cobalt	3.1	J	9.4	1.1	mg/Kg	4	☼	6010C	Total/NA
Copper	31.0		4.7	1.2	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-9 (2-4) 08182016 (Continued) — Lab Sample ID: 460-118857-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	10500		28.1	21.2	mg/Kg	4	☼	6010C	Total/NA
Lead	99.8		1.9	0.74	mg/Kg	4	☼	6010C	Total/NA
Magnesium	15600		936	46.7	mg/Kg	4	☼	6010C	Total/NA
Manganese	166		2.8	0.98	mg/Kg	4	☼	6010C	Total/NA
Nickel	11.4		7.5	1.4	mg/Kg	4	☼	6010C	Total/NA
Potassium	913	J	936	28.4	mg/Kg	4	☼	6010C	Total/NA
Selenium	1.5	J	3.7	1.3	mg/Kg	4	☼	6010C	Total/NA
Sodium	200	J	936	63.4	mg/Kg	4	☼	6010C	Total/NA
Vanadium	23.3		9.4	0.94	mg/Kg	4	☼	6010C	Total/NA
Zinc	141		5.6	1.4	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.12		0.019	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-9 (12-14) 08182016 — Lab Sample ID: 460-118857-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.7	J	4.6	0.71	ug/Kg	1	☼	8260C	Total/NA
Acetone	34		4.6	0.98	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.0		0.93	0.30	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.37	J	0.93	0.24	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	24	J	340	7.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	24	J	34	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	39		34	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	20	J	34	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	96	J	340	13	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	14	J	340	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	40	J	340	9.4	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	36	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	52	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	17	J	340	8.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	42	J	340	9.1	ug/Kg	1	☼	8270D	Total/NA
Pyrene	60	J	340	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	5800		30.9	15.9	mg/Kg	4	☼	6010C	Total/NA
Arsenic	1.0	J	2.3	0.76	mg/Kg	4	☼	6010C	Total/NA
Barium	55.0		30.9	1.1	mg/Kg	4	☼	6010C	Total/NA
Calcium	3220		771	45.7	mg/Kg	4	☼	6010C	Total/NA
Chromium	15.9		1.5	0.75	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.7	J	7.7	0.89	mg/Kg	4	☼	6010C	Total/NA
Copper	9.5		3.9	1.0	mg/Kg	4	☼	6010C	Total/NA
Iron	11100		23.1	17.4	mg/Kg	4	☼	6010C	Total/NA
Lead	0.72	J	1.5	0.61	mg/Kg	4	☼	6010C	Total/NA
Magnesium	5000		771	38.5	mg/Kg	4	☼	6010C	Total/NA
Manganese	441		2.3	0.81	mg/Kg	4	☼	6010C	Total/NA
Nickel	34.2		6.2	1.1	mg/Kg	4	☼	6010C	Total/NA
Potassium	829		771	23.4	mg/Kg	4	☼	6010C	Total/NA
Sodium	183	J	771	52.2	mg/Kg	4	☼	6010C	Total/NA
Vanadium	24.8		7.7	0.77	mg/Kg	4	☼	6010C	Total/NA
Zinc	53.3		4.6	1.1	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SB-8 (2-4) 08182016 — Lab Sample ID: 460-118857-5

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-8 (2-4) 08182016 (Continued) — Lab Sample ID: 460-118857-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.94	J	3.9	0.60	ug/Kg	1	☼	8260C	Total/NA
Acetone	19		3.9	0.82	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.6		0.77	0.25	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	21	J	350	7.7	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	11	J	350	8.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	140		35	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	120		35	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	150		35	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	96	J	350	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	69		35	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	42	J	350	14	ug/Kg	1	☼	8270D	Total/NA
Chrysene	160	J	350	9.5	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	27	J	35	18	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	23	J	350	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	260	J	350	10	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	90		35	23	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	18	J	350	8.8	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	110	J	350	9.3	ug/Kg	1	☼	8270D	Total/NA
Pyrene	240	J	350	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	7470		36.0	18.5	mg/Kg	4	☼	6010C	Total/NA
Arsenic	4.2		2.7	0.88	mg/Kg	4	☼	6010C	Total/NA
Barium	200		36.0	1.3	mg/Kg	4	☼	6010C	Total/NA
Calcium	52600		2250	133	mg/Kg	10	☼	6010C	Total/NA
Chromium	17.2		1.8	0.87	mg/Kg	4	☼	6010C	Total/NA
Cobalt	4.5	J	9.0	1.0	mg/Kg	4	☼	6010C	Total/NA
Copper	20.0		4.5	1.2	mg/Kg	4	☼	6010C	Total/NA
Iron	11300		27.0	20.3	mg/Kg	4	☼	6010C	Total/NA
Lead	363		4.5	1.8	mg/Kg	10	☼	6010C	Total/NA
Magnesium	4930		900	44.9	mg/Kg	4	☼	6010C	Total/NA
Manganese	256		2.7	0.95	mg/Kg	4	☼	6010C	Total/NA
Nickel	12.7		7.2	1.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	1330		900	27.3	mg/Kg	4	☼	6010C	Total/NA
Sodium	276	J	900	60.9	mg/Kg	4	☼	6010C	Total/NA
Vanadium	19.2		9.0	0.90	mg/Kg	4	☼	6010C	Total/NA
Zinc	208		5.4	1.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.14		0.017	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-8 (13-15) 08182016 — Lab Sample ID: 460-118857-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	J	4.5	0.95	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	0.73	J	0.89	0.29	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.30	J	0.89	0.25	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1.8		0.89	0.23	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]pyrene	18	J	37	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	31	J	37	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	37	J	370	15	ug/Kg	1	☼	8270D	Total/NA
Chrysene	24	J	370	10	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	37	J	370	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	30	J	370	11	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-8 (13-15) 08182016 (Continued) — Lab Sample ID: 460-118857-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	22	J	370	9.9	ug/Kg	1	☼	8270D	Total/NA
Pyrene	34	J	370	17	ug/Kg	1	☼	8270D	Total/NA
Aluminum	7390		35.0	18.0	mg/Kg	4	☼	6010C	Total/NA
Arsenic	4.0		2.6	0.86	mg/Kg	4	☼	6010C	Total/NA
Barium	80.6		35.0	1.3	mg/Kg	4	☼	6010C	Total/NA
Calcium	13700		875	51.8	mg/Kg	4	☼	6010C	Total/NA
Chromium	15.3		1.7	0.85	mg/Kg	4	☼	6010C	Total/NA
Cobalt	6.5	J	8.7	1.0	mg/Kg	4	☼	6010C	Total/NA
Copper	24.7		4.4	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	16800		26.2	19.8	mg/Kg	4	☼	6010C	Total/NA
Lead	2840		4.4	1.7	mg/Kg	10	☼	6010C	Total/NA
Magnesium	4630		875	43.7	mg/Kg	4	☼	6010C	Total/NA
Manganese	329		2.6	0.92	mg/Kg	4	☼	6010C	Total/NA
Nickel	18.4		7.0	1.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	1670		875	26.5	mg/Kg	4	☼	6010C	Total/NA
Silver	0.48	J	1.7	0.31	mg/Kg	4	☼	6010C	Total/NA
Sodium	192	J	875	59.2	mg/Kg	4	☼	6010C	Total/NA
Vanadium	22.9		8.7	0.87	mg/Kg	4	☼	6010C	Total/NA
Zinc	93.5		5.2	1.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.15		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-4 (3-5) 08182016 — Lab Sample ID: 460-118857-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.26	J	0.81	0.089	ug/Kg	1	☼	8260C	Total/NA
Acetone	7.6		4.1	0.86	ug/Kg	1	☼	8260C	Total/NA
Benzene	0.49	J	0.81	0.16	ug/Kg	1	☼	8260C	Total/NA
Chloroform	1.1		0.81	0.17	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.1		0.81	0.26	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.42	J	0.81	0.15	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]pyrene	17	J	36	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	30	J	36	14	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	18	J	360	14	ug/Kg	1	☼	8270D	Total/NA
Chrysene	26	J	360	9.7	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	27	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	36	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	27	J	360	9.5	ug/Kg	1	☼	8270D	Total/NA
Pyrene	43	J	360	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	6560		33.4	17.2	mg/Kg	4	☼	6010C	Total/NA
Arsenic	6.7		2.5	0.82	mg/Kg	4	☼	6010C	Total/NA
Barium	117		33.4	1.2	mg/Kg	4	☼	6010C	Total/NA
Calcium	10400		835	49.5	mg/Kg	4	☼	6010C	Total/NA
Chromium	25.6		1.7	0.81	mg/Kg	4	☼	6010C	Total/NA
Cobalt	7.9	J	8.4	0.96	mg/Kg	4	☼	6010C	Total/NA
Copper	36.2		4.2	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	18600		25.1	18.9	mg/Kg	4	☼	6010C	Total/NA
Lead	774		1.7	0.66	mg/Kg	4	☼	6010C	Total/NA
Magnesium	5560		835	41.7	mg/Kg	4	☼	6010C	Total/NA
Manganese	282		2.5	0.88	mg/Kg	4	☼	6010C	Total/NA
Nickel	32.5		6.7	1.2	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-4 (3-5) 08182016 (Continued) — Lab Sample ID: 460-118857-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1700		835	25.3	mg/Kg	4	☼	6010C	Total/NA
Silver	0.51	J	1.7	0.29	mg/Kg	4	☼	6010C	Total/NA
Sodium	219	J	835	56.6	mg/Kg	4	☼	6010C	Total/NA
Vanadium	22.2		8.4	0.84	mg/Kg	4	☼	6010C	Total/NA
Zinc	134		5.0	1.2	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.76		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-4 (11-13) 08182016 — Lab Sample ID: 460-118857-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.9	J	5.2	0.80	ug/Kg	1	☼	8260C	Total/NA
Acetone	36		5.2	1.1	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.9		1.0	0.33	ug/Kg	1	☼	8260C	Total/NA
m-Xylene & p-Xylene	0.37	J	1.0	0.11	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	0.25	J	1.0	0.17	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.30	J	1.0	0.20	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.51	J	1.0	0.27	ug/Kg	1	☼	8260C	Total/NA
1,2,4-Trichlorobenzene	12	J	41	9.0	ug/Kg	1	☼	8270D	Total/NA
1,2-Dichlorobenzene	24	J	410	14	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	480		410	9.0	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	43	J	410	9.9	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	29	J	410	11	ug/Kg	1	☼	8270D	Total/NA
Anthracene	100	J	410	39	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	360		41	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	310		41	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	550		41	16	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	300	J	410	24	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	170		41	18	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	860		410	16	ug/Kg	1	☼	8270D	Total/NA
Carbazole	63	J	410	10	ug/Kg	1	☼	8270D	Total/NA
Chrysene	550		410	11	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	82		41	21	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	120	J	410	12	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	170	J	410	12	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	770		410	12	ug/Kg	1	☼	8270D	Total/NA
Fluorene	39	J	410	8.9	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	280		41	27	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	300	J	410	10	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	700		410	11	ug/Kg	1	☼	8270D	Total/NA
Pyrene	750		410	19	ug/Kg	1	☼	8270D	Total/NA
Aluminum	9350		38.5	19.8	mg/Kg	4	☼	6010C	Total/NA
Arsenic	1.9	J	2.9	0.95	mg/Kg	4	☼	6010C	Total/NA
Barium	98.1		38.5	1.4	mg/Kg	4	☼	6010C	Total/NA
Calcium	4800		962	57.0	mg/Kg	4	☼	6010C	Total/NA
Chromium	23.9		1.9	0.93	mg/Kg	4	☼	6010C	Total/NA
Cobalt	10.3		9.6	1.1	mg/Kg	4	☼	6010C	Total/NA
Copper	28.7		4.8	1.3	mg/Kg	4	☼	6010C	Total/NA
Iron	21800		28.9	21.7	mg/Kg	4	☼	6010C	Total/NA
Lead	684		1.9	0.76	mg/Kg	4	☼	6010C	Total/NA
Magnesium	5730		962	48.0	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-4 (11-13) 08182016 (Continued) — Lab Sample ID: 460-118857-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	400		2.9	1.0	mg/Kg	4	☼	6010C	Total/NA
Nickel	24.9		7.7	1.4	mg/Kg	4	☼	6010C	Total/NA
Potassium	3570		962	29.2	mg/Kg	4	☼	6010C	Total/NA
Silver	0.61	J	1.9	0.34	mg/Kg	4	☼	6010C	Total/NA
Sodium	200	J	962	65.1	mg/Kg	4	☼	6010C	Total/NA
Vanadium	34.1		9.6	0.96	mg/Kg	4	☼	6010C	Total/NA
Zinc	90.8		5.8	1.4	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.43		0.019	0.014	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-6 (2-4) 08182016 — Lab Sample ID: 460-118857-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.4	J	4.4	0.68	ug/Kg	1	☼	8260C	Total/NA
Acetone	27		4.4	0.93	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.1		0.88	0.28	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	120	J	350	7.8	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	340	J	350	8.5	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	74	J	350	9.0	ug/Kg	1	☼	8270D	Total/NA
Anthracene	840		350	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	2300		35	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	2000		35	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	3000		35	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1500		350	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	1200		35	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	110	J	350	14	ug/Kg	1	☼	8270D	Total/NA
Carbazole	720		350	8.7	ug/Kg	1	☼	8270D	Total/NA
Chrysene	2800		350	9.6	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	320		35	18	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	300	J	350	11	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	52	J	350	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	5700		350	10	ug/Kg	1	☼	8270D	Total/NA
Fluorene	440		350	7.7	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1300		35	23	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	210	J	350	8.9	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	6000		350	9.4	ug/Kg	1	☼	8270D	Total/NA
Pyrene	4900		350	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	6830		35.0	18.0	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.0		2.6	0.86	mg/Kg	4	☼	6010C	Total/NA
Barium	78.1		35.0	1.3	mg/Kg	4	☼	6010C	Total/NA
Cadmium	0.43	J	0.70	0.36	mg/Kg	4	☼	6010C	Total/NA
Calcium	13200		874	51.8	mg/Kg	4	☼	6010C	Total/NA
Chromium	16.4		1.7	0.85	mg/Kg	4	☼	6010C	Total/NA
Cobalt	6.0	J	8.7	1.0	mg/Kg	4	☼	6010C	Total/NA
Copper	21.6		4.4	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	14900		26.2	19.8	mg/Kg	4	☼	6010C	Total/NA
Lead	10600		17.5	6.9	mg/Kg	40	☼	6010C	Total/NA
Magnesium	4310		874	43.6	mg/Kg	4	☼	6010C	Total/NA
Manganese	344		2.6	0.92	mg/Kg	4	☼	6010C	Total/NA
Nickel	19.0		7.0	1.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	1580		874	26.5	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-6 (2-4) 08182016 (Continued) — Lab Sample ID: 460-118857-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.49	J	1.7	0.31	mg/Kg	4	☼	6010C	Total/NA
Sodium	215	J	874	59.2	mg/Kg	4	☼	6010C	Total/NA
Vanadium	19.3		8.7	0.87	mg/Kg	4	☼	6010C	Total/NA
Zinc	224		5.2	1.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.29		0.017	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-6 (13-15) 08182016 — Lab Sample ID: 460-118857-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.2	J	4.4	0.67	ug/Kg	1	☼	8260C	Total/NA
Acetone	17		4.4	0.93	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.3		0.88	0.28	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	29	J	34	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	19	J	34	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	37		34	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	16	J	34	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	22	J	340	13	ug/Kg	1	☼	8270D	Total/NA
Chrysene	33	J	340	9.4	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	17	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	40	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	25	J	340	9.2	ug/Kg	1	☼	8270D	Total/NA
Pyrene	36	J	340	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	3800		34.2	17.6	mg/Kg	4	☼	6010C	Total/NA
Arsenic	1.3	J	2.6	0.84	mg/Kg	4	☼	6010C	Total/NA
Barium	35.4		34.2	1.2	mg/Kg	4	☼	6010C	Total/NA
Calcium	2720		855	50.6	mg/Kg	4	☼	6010C	Total/NA
Chromium	21.8		1.7	0.83	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.7	J	8.5	0.98	mg/Kg	4	☼	6010C	Total/NA
Copper	16.1		4.3	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	9500		25.6	19.3	mg/Kg	4	☼	6010C	Total/NA
Lead	4.1		1.7	0.67	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2320		855	42.6	mg/Kg	4	☼	6010C	Total/NA
Manganese	263		2.6	0.90	mg/Kg	4	☼	6010C	Total/NA
Nickel	9.5		6.8	1.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	857		855	25.9	mg/Kg	4	☼	6010C	Total/NA
Sodium	178	J	855	57.9	mg/Kg	4	☼	6010C	Total/NA
Vanadium	14.5		8.5	0.85	mg/Kg	4	☼	6010C	Total/NA
Zinc	25.8		5.1	1.2	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SB-5 (2-4) 08182016 — Lab Sample ID: 460-118857-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.95	J	4.5	0.70	ug/Kg	1	☼	8260C	Total/NA
Acetone	11		4.5	0.96	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.6		0.90	0.29	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	14	J	340	7.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	50		34	28	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	16	J	34	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	38		34	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	16	J	34	15	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-5 (2-4) 08182016 (Continued) — Lab Sample ID: 460-118857-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	31	J	340	13	ug/Kg	1	☼	8270D	Total/NA
Chrysene	49	J	340	9.2	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	12	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	27	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	140	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Fluorene	11	J	340	7.4	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	26	J	340	8.6	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	64	J	340	9.0	ug/Kg	1	☼	8270D	Total/NA
Pyrene	170	J	340	15	ug/Kg	1	☼	8270D	Total/NA
Aluminum	2750		32.1	16.5	mg/Kg	4	☼	6010C	Total/NA
Arsenic	0.83	J	2.4	0.79	mg/Kg	4	☼	6010C	Total/NA
Barium	21.9	J	32.1	1.1	mg/Kg	4	☼	6010C	Total/NA
Calcium	1940		802	47.5	mg/Kg	4	☼	6010C	Total/NA
Chromium	5.5		1.6	0.78	mg/Kg	4	☼	6010C	Total/NA
Cobalt	2.5	J	8.0	0.92	mg/Kg	4	☼	6010C	Total/NA
Copper	5.7		4.0	1.0	mg/Kg	4	☼	6010C	Total/NA
Iron	6370		24.1	18.1	mg/Kg	4	☼	6010C	Total/NA
Lead	15.6		1.6	0.63	mg/Kg	4	☼	6010C	Total/NA
Magnesium	1880		802	40.0	mg/Kg	4	☼	6010C	Total/NA
Manganese	229		2.4	0.84	mg/Kg	4	☼	6010C	Total/NA
Nickel	9.3		6.4	1.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	630	J	802	24.3	mg/Kg	4	☼	6010C	Total/NA
Sodium	82.2	J	802	54.3	mg/Kg	4	☼	6010C	Total/NA
Vanadium	6.5	J	8.0	0.80	mg/Kg	4	☼	6010C	Total/NA
Zinc	14.6		4.8	1.2	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SB-5 (13-15) 08182016 — Lab Sample ID: 460-118857-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.0		4.0	0.84	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.7		0.80	0.25	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	22	J	340	7.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	8.9	J	340	8.3	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	13	J	340	8.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	110		34	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	110		34	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	180		34	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	78	J	340	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	77		34	15	ug/Kg	1	☼	8270D	Total/NA
Carbazole	12	J	340	8.5	ug/Kg	1	☼	8270D	Total/NA
Chrysene	170	J	340	9.3	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	16	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	28	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	250	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Fluorene	23	J	340	7.5	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	79		34	23	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	24	J	340	8.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	160	J	340	9.1	ug/Kg	1	☼	8270D	Total/NA
Pyrene	260	J	340	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	4050		33.8	17.4	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-5 (13-15) 08182016 (Continued) — Lab Sample ID: 460-118857-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.95	J	2.5	0.83	mg/Kg	4	☼	6010C	Total/NA
Barium	33.3	J	33.8	1.2	mg/Kg	4	☼	6010C	Total/NA
Calcium	1970		844	50.0	mg/Kg	4	☼	6010C	Total/NA
Chromium	11.7		1.7	0.82	mg/Kg	4	☼	6010C	Total/NA
Cobalt	3.8	J	8.4	0.97	mg/Kg	4	☼	6010C	Total/NA
Copper	10.5		4.2	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	10900		25.3	19.1	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2070		844	42.1	mg/Kg	4	☼	6010C	Total/NA
Manganese	244		2.5	0.89	mg/Kg	4	☼	6010C	Total/NA
Nickel	14.2		6.8	1.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	892		844	25.6	mg/Kg	4	☼	6010C	Total/NA
Sodium	139	J	844	57.2	mg/Kg	4	☼	6010C	Total/NA
Vanadium	13.8		8.4	0.84	mg/Kg	4	☼	6010C	Total/NA
Zinc	27.9		5.1	1.2	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SB-7 (2-4) 08182016 — Lab Sample ID: 460-118857-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.0	J	4.3	0.66	ug/Kg	1	☼	8260C	Total/NA
Acetone	16		4.3	0.91	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.6		0.86	0.28	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]pyrene	11	J	36	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	19	J	36	14	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	37	J	360	14	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	28	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	16	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Pyrene	17	J	360	17	ug/Kg	1	☼	8270D	Total/NA
Aluminum	6000		35.2	18.1	mg/Kg	4	☼	6010C	Total/NA
Arsenic	2.8		2.6	0.86	mg/Kg	4	☼	6010C	Total/NA
Barium	62.2		35.2	1.3	mg/Kg	4	☼	6010C	Total/NA
Calcium	13000		879	52.1	mg/Kg	4	☼	6010C	Total/NA
Chromium	13.4		1.8	0.85	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.8	J	8.8	1.0	mg/Kg	4	☼	6010C	Total/NA
Copper	18.3		4.4	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	13500		26.4	19.9	mg/Kg	4	☼	6010C	Total/NA
Lead	1760		1.8	0.69	mg/Kg	4	☼	6010C	Total/NA
Magnesium	4420		879	43.9	mg/Kg	4	☼	6010C	Total/NA
Manganese	339		2.6	0.92	mg/Kg	4	☼	6010C	Total/NA
Nickel	16.1		7.0	1.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	1500		879	26.6	mg/Kg	4	☼	6010C	Total/NA
Silver	0.38	J	1.8	0.31	mg/Kg	4	☼	6010C	Total/NA
Sodium	98.7	J	879	59.5	mg/Kg	4	☼	6010C	Total/NA
Vanadium	18.1		8.8	0.88	mg/Kg	4	☼	6010C	Total/NA
Zinc	102		5.3	1.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.21		0.019	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-7 (13-15) 08182016 — Lab Sample ID: 460-118857-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		4.1	0.87	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-7 (13-15) 08182016 (Continued) — Lab Sample ID: 460-118857-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.4		0.82	0.26	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.32	J	0.82	0.23	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]pyrene	14	J	34	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	26	J	34	13	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	37	J	340	13	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	31	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	25	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	18	J	340	9.2	ug/Kg	1	☼	8270D	Total/NA
Pyrene	28	J	340	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	3190		34.2	17.6	mg/Kg	4	☼	6010C	Total/NA
Barium	21.0	J	34.2	1.2	mg/Kg	4	☼	6010C	Total/NA
Calcium	889		856	50.6	mg/Kg	4	☼	6010C	Total/NA
Chromium	7.2		1.7	0.83	mg/Kg	4	☼	6010C	Total/NA
Cobalt	3.2	J	8.6	0.98	mg/Kg	4	☼	6010C	Total/NA
Copper	6.9		4.3	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	9220		25.7	19.3	mg/Kg	4	☼	6010C	Total/NA
Magnesium	1910		856	42.7	mg/Kg	4	☼	6010C	Total/NA
Manganese	214		2.6	0.90	mg/Kg	4	☼	6010C	Total/NA
Nickel	10.2		6.8	1.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	479	J	856	25.9	mg/Kg	4	☼	6010C	Total/NA
Vanadium	10		8.6	0.86	mg/Kg	4	☼	6010C	Total/NA
Zinc	21.5		5.1	1.2	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TB 08182016 — Lab Sample ID: 460-118857-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8		1.0	0.21	ug/L	1		8260C	Total/NA

Client Sample ID: SB-1(2-4)-08192016 — Lab Sample ID: 460-118926-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		4.4	0.94	ug/Kg	1	☼	8260C	Total/NA
Methyl acetate	1.6	J	4.4	0.80	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.3		0.88	0.28	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.38	J	0.88	0.25	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	3.8		0.88	0.23	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	16	J	360	7.9	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	33	J	360	8.6	ug/Kg	1	☼	8270D	Total/NA
Anthracene	90	J	360	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	390		36	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	390		36	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	540		36	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	280	J	360	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	200		36	16	ug/Kg	1	☼	8270D	Total/NA
Carbazole	43	J	360	8.8	ug/Kg	1	☼	8270D	Total/NA
Chrysene	410		360	9.7	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	47		36	19	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	19	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	18	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	720		360	11	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-1(2-4)-08192016 (Continued) — Lab Sample ID: 460-118926-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	30	J	360	7.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	290		36	24	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	20	J	360	9.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	420		360	9.5	ug/Kg	1	☼	8270D	Total/NA
Pyrene	660		360	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	8800		32.0	16.5	mg/Kg	4	☼	6010C	Total/NA
Antimony	4.5		3.2	1.3	mg/Kg	4	☼	6010C	Total/NA
Arsenic	6.1		2.4	0.79	mg/Kg	4	☼	6010C	Total/NA
Barium	102		32.0	1.1	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.39		0.32	0.27	mg/Kg	4	☼	6010C	Total/NA
Calcium	12700		800	47.4	mg/Kg	4	☼	6010C	Total/NA
Chromium	15.8		1.6	0.77	mg/Kg	4	☼	6010C	Total/NA
Cobalt	6.8	J	8.0	0.92	mg/Kg	4	☼	6010C	Total/NA
Copper	22.3		4.0	1.0	mg/Kg	4	☼	6010C	Total/NA
Iron	15000		24.0	18.1	mg/Kg	4	☼	6010C	Total/NA
Lead	3910		8.0	3.1	mg/Kg	20	☼	6010C	Total/NA
Magnesium	4590		800	39.9	mg/Kg	4	☼	6010C	Total/NA
Manganese	425		2.4	0.84	mg/Kg	4	☼	6010C	Total/NA
Nickel	17.5		6.4	1.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	1530		800	24.3	mg/Kg	4	☼	6010C	Total/NA
Sodium	381	J	800	54.2	mg/Kg	4	☼	6010C	Total/NA
Vanadium	22.1		8.0	0.80	mg/Kg	4	☼	6010C	Total/NA
Zinc	83.3		4.8	1.2	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.21		0.017	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-1(12-14)-08192016 — Lab Sample ID: 460-118926-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.0	J	4.7	0.72	ug/Kg	1	☼	8260C	Total/NA
Acetone	31		4.7	0.99	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.3		0.93	0.30	ug/Kg	1	☼	8260C	Total/NA
Anthracene	35	J	350	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	150		35	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	120		35	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	170		35	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	84	J	350	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	61		35	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	200	J	350	14	ug/Kg	1	☼	8270D	Total/NA
Chrysene	150	J	350	9.5	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	16	J	350	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	250	J	350	10	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	84		35	23	ug/Kg	1	☼	8270D	Total/NA
Isophorone	48	J	140	7.5	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	150	J	350	9.3	ug/Kg	1	☼	8270D	Total/NA
Pyrene	240	J	350	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	4250		32.4	16.7	mg/Kg	4	☼	6010C	Total/NA
Arsenic	1.5	J	2.4	0.80	mg/Kg	4	☼	6010C	Total/NA
Barium	29.8	J	32.4	1.2	mg/Kg	4	☼	6010C	Total/NA
Calcium	3950		811	48.0	mg/Kg	4	☼	6010C	Total/NA
Chromium	12.4		1.6	0.78	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-1(12-14)-08192016 (Continued) — Lab Sample ID: 460-118926-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	5.3	J	8.1	0.93	mg/Kg	4	☼	6010C	Total/NA
Copper	11.8		4.1	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	10800		24.3	18.3	mg/Kg	4	☼	6010C	Total/NA
Lead	194		1.6	0.64	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2710		811	40.5	mg/Kg	4	☼	6010C	Total/NA
Manganese	308		2.4	0.85	mg/Kg	4	☼	6010C	Total/NA
Nickel	14.2		6.5	1.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	873		811	24.6	mg/Kg	4	☼	6010C	Total/NA
Sodium	106	J	811	54.9	mg/Kg	4	☼	6010C	Total/NA
Vanadium	15.9		8.1	0.81	mg/Kg	4	☼	6010C	Total/NA
Zinc	25.7		4.9	1.2	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SB-2(2-4)08192016 — Lab Sample ID: 460-118926-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	22		4.3	0.91	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	0.82	J	0.86	0.27	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	36		0.86	0.24	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.42	J	0.86	0.16	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.34	J	0.86	0.22	ug/Kg	1	☼	8260C	Total/NA
1,2,4-Trichlorobenzene	22	J	37	8.1	ug/Kg	1	☼	8270D	Total/NA
1,2-Dichlorobenzene	75	J	370	12	ug/Kg	1	☼	8270D	Total/NA
1,3-Dichlorobenzene	85	J	370	29	ug/Kg	1	☼	8270D	Total/NA
1,4-Dichlorobenzene	47	J	370	29	ug/Kg	1	☼	8270D	Total/NA
2-Chloronaphthalene	96	J	370	8.4	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	77	J	370	8.1	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	49	J	370	8.9	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	120	J	370	9.5	ug/Kg	1	☼	8270D	Total/NA
Anthracene	200	J	370	35	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	490		37	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	410		37	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	640		37	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	320	J	370	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	210		37	16	ug/Kg	1	☼	8270D	Total/NA
Carbazole	64	J	370	9.1	ug/Kg	1	☼	8270D	Total/NA
Chrysene	550		370	10	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	81		37	19	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	82	J	370	11	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	29	J	370	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1100		370	11	ug/Kg	1	☼	8270D	Total/NA
Fluorene	43	J	370	8.0	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	310		37	24	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	520		370	9.4	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	1000		370	9.8	ug/Kg	1	☼	8270D	Total/NA
Pyrene	1000		370	17	ug/Kg	1	☼	8270D	Total/NA
Aluminum	7610		34.9	17.9	mg/Kg	4	☼	6010C	Total/NA
Arsenic	6.0		2.6	0.86	mg/Kg	4	☼	6010C	Total/NA
Barium	139		34.9	1.2	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.43		0.35	0.30	mg/Kg	4	☼	6010C	Total/NA
Calcium	39700		871	51.6	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-2(2-4)08192016 (Continued) — Lab Sample ID: 460-118926-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	13.2		1.7	0.84	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.3	J	8.7	1.0	mg/Kg	4	☼	6010C	Total/NA
Copper	31.5		4.4	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	12900		26.1	19.7	mg/Kg	4	☼	6010C	Total/NA
Lead	2880		4.4	1.7	mg/Kg	10	☼	6010C	Total/NA
Magnesium	3100		871	43.5	mg/Kg	4	☼	6010C	Total/NA
Manganese	235		2.6	0.91	mg/Kg	4	☼	6010C	Total/NA
Nickel	13.4		7.0	1.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	1260		871	26.4	mg/Kg	4	☼	6010C	Total/NA
Sodium	247	J	871	59.0	mg/Kg	4	☼	6010C	Total/NA
Vanadium	22.3		8.7	0.87	mg/Kg	4	☼	6010C	Total/NA
Zinc	218		5.2	1.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.24		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2(10-12)08192016 — Lab Sample ID: 460-118926-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.0	J	4.2	0.65	ug/Kg	1	☼	8260C	Total/NA
Acetone	36		4.2	0.90	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	0.88		0.85	0.27	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	50		0.85	0.24	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.87		0.85	0.16	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.37	J	0.85	0.22	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	100	J	360	8.0	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	130	J	360	8.7	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	33	J	360	9.3	ug/Kg	1	☼	8270D	Total/NA
Anthracene	390		360	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	1400		36	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	1100		36	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	1400		36	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	970		360	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	550		36	16	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	360		360	14	ug/Kg	1	☼	8270D	Total/NA
Carbazole	140	J	360	9.0	ug/Kg	1	☼	8270D	Total/NA
Chrysene	1400		360	9.8	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	300		36	19	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	140	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	38	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	2200		360	11	ug/Kg	1	☼	8270D	Total/NA
Fluorene	92	J	360	7.9	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1000		36	24	ug/Kg	1	☼	8270D	Total/NA
Isophorone	1100		150	7.8	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	280	J	360	9.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	2100		360	9.6	ug/Kg	1	☼	8270D	Total/NA
Pyrene	2500		360	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	6220		34.7	17.9	mg/Kg	4	☼	6010C	Total/NA
Arsenic	7.4		2.6	0.85	mg/Kg	4	☼	6010C	Total/NA
Barium	109		34.7	1.2	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.31	J	0.35	0.29	mg/Kg	4	☼	6010C	Total/NA
Calcium	38800		869	51.4	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-2(10-12)08192016 (Continued) — Lab Sample ID: 460-118926-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	17.8		1.7	0.84	mg/Kg	4	☼	6010C	Total/NA
Cobalt	4.0	J	8.7	1.0	mg/Kg	4	☼	6010C	Total/NA
Copper	25.8		4.3	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	14000		26.1	19.6	mg/Kg	4	☼	6010C	Total/NA
Lead	2080		1.7	0.68	mg/Kg	4	☼	6010C	Total/NA
Magnesium	5320		869	43.3	mg/Kg	4	☼	6010C	Total/NA
Manganese	250		2.6	0.91	mg/Kg	4	☼	6010C	Total/NA
Nickel	11.7		6.9	1.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	812	J	869	26.3	mg/Kg	4	☼	6010C	Total/NA
Sodium	240	J	869	58.8	mg/Kg	4	☼	6010C	Total/NA
Vanadium	16.8		8.7	0.87	mg/Kg	4	☼	6010C	Total/NA
Zinc	153		5.2	1.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.22		0.017	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-3(2-4)08192016 — Lab Sample ID: 460-118926-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18		4.4	0.94	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	0.48	J	0.89	0.28	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	8.9	J	360	7.9	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	23	J	360	8.7	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	15	J	360	9.2	ug/Kg	1	☼	8270D	Total/NA
Anthracene	79	J	360	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	390		36	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	370		36	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	460		36	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	370		360	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	180		36	16	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	110	J	360	14	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	23	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Carbazole	20	J	360	8.9	ug/Kg	1	☼	8270D	Total/NA
Chrysene	420		360	9.8	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	35	J	36	19	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	13	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	33	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	650		360	11	ug/Kg	1	☼	8270D	Total/NA
Fluorene	16	J	360	7.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	360		36	24	ug/Kg	1	☼	8270D	Total/NA
Isophorone	17	J	140	7.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	330	J	360	9.6	ug/Kg	1	☼	8270D	Total/NA
Pyrene	610		360	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	8570		34.6	17.8	mg/Kg	4	☼	6010C	Total/NA
Arsenic	4.5		2.6	0.85	mg/Kg	4	☼	6010C	Total/NA
Barium	103		34.6	1.2	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.34	J	0.35	0.29	mg/Kg	4	☼	6010C	Total/NA
Calcium	22000		864	51.2	mg/Kg	4	☼	6010C	Total/NA
Chromium	19.6		1.7	0.84	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.4	J	8.6	0.99	mg/Kg	4	☼	6010C	Total/NA
Copper	24.4		4.3	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	16000		25.9	19.5	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-3(2-4)08192016 (Continued) — Lab Sample ID: 460-118926-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	257		1.7	0.68	mg/Kg	4	☼	6010C	Total/NA
Magnesium	3530		864	43.1	mg/Kg	4	☼	6010C	Total/NA
Manganese	343		2.6	0.91	mg/Kg	4	☼	6010C	Total/NA
Nickel	14.3		6.9	1.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	951		864	26.2	mg/Kg	4	☼	6010C	Total/NA
Sodium	219	J	864	58.5	mg/Kg	4	☼	6010C	Total/NA
Vanadium	22.9		8.6	0.86	mg/Kg	4	☼	6010C	Total/NA
Zinc	116		5.2	1.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.39		0.019	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-3(13-15)08192016 — Lab Sample ID: 460-118926-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19		4.0	0.86	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.7		0.81	0.26	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.31	J	0.81	0.23	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	29	J	350	14	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	19	J	350	10	ug/Kg	1	☼	8270D	Total/NA
Aluminum	4700		33.5	17.3	mg/Kg	4	☼	6010C	Total/NA
Arsenic	1.2	J	2.5	0.82	mg/Kg	4	☼	6010C	Total/NA
Barium	36.0		33.5	1.2	mg/Kg	4	☼	6010C	Total/NA
Calcium	1380		838	49.6	mg/Kg	4	☼	6010C	Total/NA
Chromium	10.9		1.7	0.81	mg/Kg	4	☼	6010C	Total/NA
Cobalt	4.8	J	8.4	0.96	mg/Kg	4	☼	6010C	Total/NA
Copper	10.3		4.2	1.1	mg/Kg	4	☼	6010C	Total/NA
Iron	10700		25.1	18.9	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2420		838	41.8	mg/Kg	4	☼	6010C	Total/NA
Manganese	219		2.5	0.88	mg/Kg	4	☼	6010C	Total/NA
Nickel	14.0		6.7	1.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	928		838	25.4	mg/Kg	4	☼	6010C	Total/NA
Sodium	79.7	J	838	56.7	mg/Kg	4	☼	6010C	Total/NA
Vanadium	15.2		8.4	0.84	mg/Kg	4	☼	6010C	Total/NA
Zinc	29.4		5.0	1.2	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SB-X08192016 — Lab Sample ID: 460-118926-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		4.3	0.91	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	0.70	J	0.86	0.28	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	3.8		0.86	0.22	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	12	J	350	7.7	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	27	J	350	8.5	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	18	J	350	9.0	ug/Kg	1	☼	8270D	Total/NA
Anthracene	100	J	350	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	780		35	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	780		35	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	1100		35	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	620		350	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	430		35	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	45	J	350	14	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-X08192016 (Continued) — Lab Sample ID: 460-118926-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbazole	46	J	350	8.7	ug/Kg	1	☼	8270D	Total/NA
Chrysene	820		350	9.5	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	140		35	18	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	15	J	350	11	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	20	J	350	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1300		350	10	ug/Kg	1	☼	8270D	Total/NA
Fluorene	26	J	350	7.6	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	640		35	23	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	19	J	350	8.9	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	420		350	9.3	ug/Kg	1	☼	8270D	Total/NA
Pyrene	1300		350	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	9140		31.9	16.5	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.8		2.4	0.79	mg/Kg	4	☼	6010C	Total/NA
Barium	78.9		31.9	1.1	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.38		0.32	0.27	mg/Kg	4	☼	6010C	Total/NA
Calcium	7260		799	47.3	mg/Kg	4	☼	6010C	Total/NA
Chromium	22.7		1.6	0.77	mg/Kg	4	☼	6010C	Total/NA
Cobalt	9.2		8.0	0.92	mg/Kg	4	☼	6010C	Total/NA
Copper	22.9		4.0	1.0	mg/Kg	4	☼	6010C	Total/NA
Iron	19200		24.0	18.1	mg/Kg	4	☼	6010C	Total/NA
Lead	1350		1.6	0.63	mg/Kg	4	☼	6010C	Total/NA
Magnesium	4790		799	39.9	mg/Kg	4	☼	6010C	Total/NA
Manganese	487		2.4	0.84	mg/Kg	4	☼	6010C	Total/NA
Nickel	21.8		6.4	1.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	2150		799	24.2	mg/Kg	4	☼	6010C	Total/NA
Sodium	130	J	799	54.1	mg/Kg	4	☼	6010C	Total/NA
Vanadium	26.1		8.0	0.80	mg/Kg	4	☼	6010C	Total/NA
Zinc	74.4		4.8	1.2	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.25		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: FB08192016 — Lab Sample ID: 460-118926-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.60	J	1.0	0.21	ug/L	1		8260C	Total/NA

Client Sample ID: TB08192016 — Lab Sample ID: 460-118926-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.0		1.0	0.21	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
6010C	Metals (ICP)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Client Sample ID: SB-10 (2-4) 08182016

Date Collected: 08/18/16 08:30
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-1

Matrix: Solid
Percent Solids: 88.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.97	U	0.97	0.37	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,1,2,2-Tetrachloroethane	0.97	U	0.97	0.17	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.97	U *	0.97	0.43	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,1,2-Trichloroethane	0.97	U	0.97	0.27	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,1-Dichloroethane	0.97	U	0.97	0.33	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,1-Dichloroethene	0.97	U	0.97	0.40	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,2,3-Trichlorobenzene	0.97	U	0.97	0.11	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,2,4-Trichlorobenzene	0.97	U	0.97	0.31	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,2-Dibromo-3-Chloropropane	0.97	U	0.97	0.46	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,2-Dichlorobenzene	0.97	U	0.97	0.14	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,2-Dichloroethane	0.97	U	0.97	0.11	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,2-Dichloropropane	0.97	U	0.97	0.17	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,3-Dichlorobenzene	0.97	U	0.97	0.12	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,4-Dichlorobenzene	0.97	U	0.97	0.13	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
1,4-Dioxane	19	U	19	6.2	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
2-Butanone (MEK)	**2.4**	**J**	4.9	0.75	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
2-Hexanone	4.9	U	4.9	0.91	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
4-Methyl-2-pentanone (MIBK)	4.9	U	4.9	2.2	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Acetone	**43**		4.9	1.0	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Acetonitrile	9.7	U	9.7	4.0	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Acrolein	97	U	97	15	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Benzene	0.97	U	0.97	0.19	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Bromoform	0.97	U	0.97	0.13	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Bromomethane	0.97	U	0.97	0.31	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Carbon disulfide	0.97	U	0.97	0.42	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Carbon tetrachloride	0.97	U	0.97	0.42	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Chlorobenzene	0.97	U	0.97	0.14	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Chlorobromomethane	0.97	U	0.97	0.17	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Chlorodibromomethane	0.97	U	0.97	0.15	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Chloroethane	0.97	U	0.97	0.34	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Chloroform	0.97	U	0.97	0.20	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Chloromethane	0.97	U	0.97	0.37	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
cis-1,2-Dichloroethene	0.97	U	0.97	0.21	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
cis-1,3-Dichloropropene	0.97	U	0.97	0.15	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Cyclohexane	0.97	U	0.97	0.45	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Dichlorobromomethane	0.97	U	0.97	0.37	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Dichlorodifluoromethane	0.97	U	0.97	0.31	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Ethylbenzene	0.97	U	0.97	0.17	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Ethylene Dibromide	0.97	U	0.97	0.12	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Isopropylbenzene	0.97	U	0.97	0.17	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Methyl acetate	4.9	U	4.9	0.87	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Methyl tert-butyl ether	0.97	U	0.97	0.17	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Methylcyclohexane	0.97	U	0.97	0.49	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Methylene Chloride	**1.5**		0.97	0.31	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
m-Xylene & p-Xylene	**0.29**	**J**	0.97	0.11	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
o-Xylene	0.97	U	0.97	0.16	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Styrene	0.97	U	0.97	0.15	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
TBA	9.7	U	9.7	3.4	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Tetrachloroethene	0.97	U *	0.97	0.27	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1

Client Sample ID: SB-10 (2-4) 08182016

Date Collected: 08/18/16 08:30
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-1

Matrix: Solid
Percent Solids: 88.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.61**	**J**	0.97	0.18	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
trans-1,2-Dichloroethene	0.97	U	0.97	0.38	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
trans-1,3-Dichloropropene	0.97	U	0.97	0.097	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Trichloroethene	**2.4**		0.97	0.25	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Trichlorofluoromethane	0.97	U	0.97	0.33	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1
Vinyl chloride	0.97	U	0.97	0.38	ug/Kg	☼	08/18/16 22:13	08/23/16 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*78 - 135*	*08/18/16 22:13*	*08/23/16 19:57*	*1*
4-Bromofluorobenzene	*89*		*67 - 126*	*08/18/16 22:13*	*08/23/16 19:57*	*1*
Dibromofluoromethane (Surr)	*59*	*	*61 - 149*	*08/18/16 22:13*	*08/23/16 19:57*	*1*
Toluene-d8 (Surr)	*97*		*73 - 121*	*08/18/16 22:13*	*08/23/16 19:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	37	U	37	8.2	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
1,2-Dichlorobenzene	370	U	370	12	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
1,3-Dichlorobenzene	370	U	370	29	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
1,4-Dichlorobenzene	370	U	370	29	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
2,2'-oxybis[1-chloropropane]	370	U	370	15	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
2,4-Dinitrotoluene	75	U	75	15	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
2,6-Dinitrotoluene	75	U	75	20	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
2-Chloronaphthalene	370	U	370	8.4	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
2-Methylnaphthalene	**9.8**	**J**	370	8.2	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
2-Nitroaniline	370	U	370	12	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
3,3'-Dichlorobenzidine	150	U	150	41	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
3-Nitroaniline	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
4-Bromophenyl phenyl ether	370	U	370	12	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
4-Chloroaniline	370	U	370	9.5	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
4-Chlorophenyl phenyl ether	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
4-Nitroaniline	370	U	370	14	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Acenaphthene	370	U	370	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Acenaphthylene	370	U	370	9.5	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Anthracene	370	U	370	35	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Benzo[a]anthracene	**43**		37	31	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Benzo[a]pyrene	**40**		37	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Benzo[b]fluoranthene	**65**		37	14	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Benzo[g,h,i]perylene	**30**	**J**	370	21	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Benzo[k]fluoranthene	**22**	**J**	37	16	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Bis(2-chloroethoxy)methane	370	U	370	12	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Bis(2-chloroethyl)ether	37	U	37	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Bis(2-ethylhexyl) phthalate	**45**	**J**	370	14	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Butyl benzyl phthalate	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Carbazole	370	U	370	9.2	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Chrysene	**56**	**J**	370	10	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Dibenz(a,h)anthracene	37	U	37	19	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Dibenzofuran	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Diethyl phthalate	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Dimethyl phthalate	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Di-n-butyl phthalate	**25**	**J**	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1

Client Sample ID: SB-10 (2-4) 08182016

Date Collected: 08/18/16 08:30
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-1

Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	370	U	370	19	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Fluoranthene	**74**	**J**	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Fluorene	370	U	370	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Hexachlorobenzene	37	U	37	15	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Hexachlorobutadiene	75	U	75	10	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Hexachlorocyclopentadiene	370	U	370	23	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Hexachloroethane	37	U	37	14	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Indeno[1,2,3-cd]pyrene	37	U	37	25	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Isophorone	150	U	150	8.0	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Naphthalene	**11**	**J**	370	9.4	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Nitrobenzene	37	U	37	12	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
N-Nitrosodi-n-propylamine	37	U	37	12	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
N-Nitrosodiphenylamine	370	U	370	34	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Phenanthrene	**55**	**J**	370	9.9	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1
Pyrene	**75**	**J**	370	17	ug/Kg	☼	08/20/16 12:41	08/23/16 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*38 - 95*	*08/20/16 12:41*	*08/23/16 09:57*	*1*
Nitrobenzene-d5 (Surr)	*74*		*37 - 94*	*08/20/16 12:41*	*08/23/16 09:57*	*1*
Terphenyl-d14 (Surr)	*84*		*24 - 109*	*08/20/16 12:41*	*08/23/16 09:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	75	U	75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Aroclor 1221	75	U	75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Aroclor 1232	75	U	75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Aroclor 1242	75	U	75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Aroclor 1248	75	U	75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Aroclor 1254	**84**		75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Aroclor 1260	75	U	75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Aroclor 1268	75	U	75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Aroclor-1262	75	U	75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1
Polychlorinated biphenyls, Total	**84**		75	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*35 - 150*	*08/22/16 22:48*	*08/23/16 16:08*	*1*
DCB Decachlorobiphenyl	*101*		*35 - 150*	*08/22/16 22:48*	*08/23/16 16:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8230**		36.9	19.0	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Antimony	3.7	U	3.7	1.5	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Arsenic	**3.0**		2.8	0.91	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Barium	**187**		36.9	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Beryllium	0.37	U	0.37	0.31	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Cadmium	0.74	U	0.74	0.38	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Calcium	**65100**		2310	137	mg/Kg	☼	08/20/16 16:27	08/22/16 15:05	10
Chromium	**18.6**		1.8	0.89	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Cobalt	**3.6**	**J**	9.2	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Copper	**15.7**		4.6	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4

Client Sample ID: SB-10 (2-4) 08182016

Lab Sample ID: 460-118857-1

Date Collected: 08/18/16 08:30
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**11700**		27.7	20.8	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Lead	**105**		1.8	0.72	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Magnesium	**4450**		922	46.0	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Manganese	**190**		2.8	0.97	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Nickel	**13.1**		7.4	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Potassium	**1230**		922	27.9	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Selenium	3.7	U	3.7	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Silver	**0.41**	**J**	1.8	0.33	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Sodium	**298**	**J**	922	62.4	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Thallium	3.7	U	3.7	1.6	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Vanadium	**18.9**		9.2	0.92	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4
Zinc	**171**		5.5	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 11:58	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.018	0.013	mg/Kg	☼	08/19/16 11:32	08/19/16 16:39	1

Client Sample ID: SB-10 (13-15) 08182016

Lab Sample ID: 460-118857-2

Date Collected: 08/18/16 08:56
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 97.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,1,2,2-Tetrachloroethane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	U *	0.88	0.39	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,1,2-Trichloroethane	0.88	U	0.88	0.25	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,1-Dichloroethane	0.88	U	0.88	0.30	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,1-Dichloroethene	0.88	U	0.88	0.36	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,2,3-Trichlorobenzene	0.88	U	0.88	0.097	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,2,4-Trichlorobenzene	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,2-Dibromo-3-Chloropropane	0.88	U	0.88	0.41	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,2-Dichlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,2-Dichloroethane	0.88	U	0.88	0.097	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,2-Dichloropropane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,3-Dichlorobenzene	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,4-Dichlorobenzene	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
1,4-Dioxane	18	U	18	5.6	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
2-Butanone (MEK)	4.4	U	4.4	0.68	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
2-Hexanone	4.4	U	4.4	0.82	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	1.9	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Acetone	**16**		4.4	0.93	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Acetonitrile	8.8	U	8.8	3.6	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Acrolein	88	U	88	14	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Benzene	0.88	U	0.88	0.18	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Bromoform	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Bromomethane	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Carbon disulfide	0.88	U	0.88	0.38	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Carbon tetrachloride	0.88	U	0.88	0.38	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Chlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1

Client Sample ID: SB-10 (13-15) 08182016

Date Collected: 08/18/16 08:56
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-2

Matrix: Solid
Percent Solids: 97.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Chlorodibromomethane	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Chloroethane	0.88	U	0.88	0.31	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Chloroform	0.88	U	0.88	0.18	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Chloromethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
cis-1,2-Dichloroethene	0.88	U	0.88	0.19	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
cis-1,3-Dichloropropene	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Cyclohexane	0.88	U	0.88	0.40	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Dichlorobromomethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Dichlorodifluoromethane	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Ethylbenzene	0.88	U	0.88	0.16	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Ethylene Dibromide	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Isopropylbenzene	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Methyl acetate	4.4	U	4.4	0.79	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Methyl tert-butyl ether	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Methylcyclohexane	0.88	U	0.88	0.44	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Methylene Chloride	**1.5**		0.88	0.28	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
m-Xylene & p-Xylene	0.88	U	0.88	0.097	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
o-Xylene	0.88	U	0.88	0.14	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Styrene	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
TBA	8.8	U	8.8	3.1	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Tetrachloroethene	0.88	U	0.88	0.25	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Toluene	0.88	U	0.88	0.17	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
trans-1,2-Dichloroethene	0.88	U	0.88	0.34	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
trans-1,3-Dichloropropene	0.88	U	0.88	0.088	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Trichloroethene	**0.24**	**J**	0.88	0.23	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Trichlorofluoromethane	0.88	U	0.88	0.30	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1
Vinyl chloride	0.88	U	0.88	0.34	ug/Kg	☼	08/18/16 22:13	08/22/16 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*78 - 135*	*08/18/16 22:13*	*08/22/16 14:39*	*1*
4-Bromofluorobenzene	*77*		*67 - 126*	*08/18/16 22:13*	*08/22/16 14:39*	*1*
Dibromofluoromethane (Surr)	*86*		*61 - 149*	*08/18/16 22:13*	*08/22/16 14:39*	*1*
Toluene-d8 (Surr)	*89*		*73 - 121*	*08/18/16 22:13*	*08/22/16 14:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	34	U	34	7.5	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
1,2-Dichlorobenzene	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
1,3-Dichlorobenzene	340	U	340	26	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
1,4-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
2,2'-oxybis[1-chloropropane]	340	U	340	14	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
2,4-Dinitrotoluene	69	U	69	13	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
2,6-Dinitrotoluene	69	U	69	18	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
2-Chloronaphthalene	340	U	340	7.7	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
2-Methylnaphthalene	340	U	340	7.5	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
2-Nitroaniline	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
3,3'-Dichlorobenzidine	140	U	140	38	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
3-Nitroaniline	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
4-Bromophenyl phenyl ether	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1

Client Sample ID: SB-10 (13-15) 08182016

Date Collected: 08/18/16 08:56
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-2

Matrix: Solid
Percent Solids: 97.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	340	U	340	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
4-Chlorophenyl phenyl ether	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
4-Nitroaniline	340	U	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Acenaphthene	340	U	340	8.2	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Acenaphthylene	340	U	340	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Anthracene	340	U	340	32	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Benzo[a]anthracene	**54**		34	28	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Benzo[a]pyrene	**47**		34	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Benzo[b]fluoranthene	**73**		34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Benzo[g,h,i]perylene	**26**	**J**	340	19	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Benzo[k]fluoranthene	**30**	**J**	34	15	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Bis(2-chloroethoxy)methane	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Bis(2-chloroethyl)ether	34	U	34	8.0	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Bis(2-ethylhexyl) phthalate	**38**	**J**	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Butyl benzyl phthalate	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Carbazole	340	U	340	8.4	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Chrysene	**55**	**J**	340	9.2	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Dibenz(a,h)anthracene	34	U	34	18	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Dibenzofuran	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Diethyl phthalate	340	U	340	9.6	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Dimethyl phthalate	340	U	340	9.8	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Di-n-butyl phthalate	**39**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Di-n-octyl phthalate	340	U	340	17	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Fluoranthene	**80**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Fluorene	340	U	340	7.4	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Hexachlorobenzene	34	U	34	14	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Hexachlorobutadiene	69	U	69	9.5	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Hexachlorocyclopentadiene	340	U	340	21	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Hexachloroethane	34	U	34	12	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Indeno[1,2,3-cd]pyrene	**29**	**J**	34	23	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Isophorone	140	U	140	7.3	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Naphthalene	340	U	340	8.6	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Nitrobenzene	34	U	34	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
N-Nitrosodi-n-propylamine	34	U	34	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
N-Nitrosodiphenylamine	340	U	340	31	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Phenanthrene	**49**	**J**	340	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1
Pyrene	**90**	**J**	340	15	ug/Kg	☼	08/20/16 12:41	08/23/16 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*38 - 95*	*08/20/16 12:41*	*08/23/16 10:22*	*1*
Nitrobenzene-d5 (Surr)	*70*		*37 - 94*	*08/20/16 12:41*	*08/23/16 10:22*	*1*
Terphenyl-d14 (Surr)	*82*		*24 - 109*	*08/20/16 12:41*	*08/23/16 10:22*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1
Aroclor 1221	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1
Aroclor 1232	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1
Aroclor 1242	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1
Aroclor 1248	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1

Client Sample ID: SB-10 (13-15) 08182016

Lab Sample ID: 460-118857-2

Date Collected: 08/18/16 08:56
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 97.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1
Aroclor 1260	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1
Aroclor 1268	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1
Aroclor-1262	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1
Polychlorinated biphenyls, Total	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*35 - 150*	*08/22/16 22:48*	*08/23/16 16:23*	*1*
DCB Decachlorobiphenyl	*107*		*35 - 150*	*08/22/16 22:48*	*08/23/16 16:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3560**		31.4	16.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Antimony	3.1	U	3.1	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Arsenic	2.4	U	2.4	0.77	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Barium	**69.3**		31.4	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Beryllium	0.31	U	0.31	0.27	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Cadmium	0.63	U	0.63	0.33	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Calcium	**4340**		784	46.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Chromium	**14.4**		1.6	0.76	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Cobalt	**7.6**	**J**	7.8	0.90	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Copper	**15.6**		3.9	1.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Iron	**11100**		23.5	17.7	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Lead	1.6	U	1.6	0.62	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Magnesium	**4930**		784	39.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Manganese	**392**		2.4	0.82	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Nickel	**47.3**		6.3	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Potassium	**742**	**J**	784	23.8	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Selenium	3.1	U	3.1	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Silver	1.6	U	1.6	0.28	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Sodium	**73.4**	**J**	784	53.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Thallium	3.1	U	3.1	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Vanadium	**17.9**		7.8	0.78	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4
Zinc	**46.5**		4.7	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:02	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.012	mg/Kg	☼	08/19/16 11:32	08/19/16 16:41	1

Client Sample ID: SB-9 (2-4) 08182016

Lab Sample ID: 460-118857-3

Date Collected: 08/18/16 09:31
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 86.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.40	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,1,2,2-Tetrachloroethane	1.1	U	1.1	0.18	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	0.46	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,1,2-Trichloroethane	1.1	U	1.1	0.29	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,1-Dichloroethane	1.1	U	1.1	0.36	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1

Client Sample ID: SB-9 (2-4) 08182016

Date Collected: 08/18/16 09:31
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-3

Matrix: Solid
Percent Solids: 86.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.1	U	1.1	0.43	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,2,3-Trichlorobenzene	1.1	U	1.1	0.12	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,2,4-Trichlorobenzene	1.1	U	1.1	0.34	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	1.1	0.49	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,2-Dichlorobenzene	1.1	U	1.1	0.15	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,2-Dichloroethane	1.1	U	1.1	0.12	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,2-Dichloropropane	1.1	U	1.1	0.18	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,3-Dichlorobenzene	1.1	U	1.1	0.13	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,4-Dichlorobenzene	1.1	U	1.1	0.14	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
1,4-Dioxane	21	U	21	6.7	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
2-Butanone (MEK)	**1.4**	**J**	5.3	0.81	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
2-Hexanone	5.3	U	5.3	0.99	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
4-Methyl-2-pentanone (MIBK)	5.3	U	5.3	2.3	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Acetone	5.3	U	5.3	1.1	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Acetonitrile	11	U	11	4.3	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Acrolein	110	U	110	16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Benzene	1.1	U	1.1	0.21	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Bromoform	1.1	U	1.1	0.14	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Bromomethane	1.1	U	1.1	0.34	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Carbon disulfide	1.1	U	1.1	0.45	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Carbon tetrachloride	1.1	U	1.1	0.45	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Chlorobenzene	1.1	U	1.1	0.15	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Chlorobromomethane	1.1	U	1.1	0.18	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Chlorodibromomethane	1.1	U	1.1	0.16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Chloroethane	1.1	U	1.1	0.37	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Chloroform	1.1	U	1.1	0.22	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Chloromethane	1.1	U	1.1	0.40	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
cis-1,2-Dichloroethene	1.1	U	1.1	0.23	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
cis-1,3-Dichloropropene	1.1	U	1.1	0.16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Cyclohexane	1.1	U	1.1	0.48	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Dichlorobromomethane	1.1	U	1.1	0.40	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Dichlorodifluoromethane	1.1	U	1.1	0.34	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Ethylbenzene	1.1	U	1.1	0.19	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Ethylene Dibromide	1.1	U	1.1	0.13	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Isopropylbenzene	1.1	U	1.1	0.18	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Methyl acetate	5.3	U	5.3	0.95	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Methyl tert-butyl ether	1.1	U	1.1	0.18	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Methylcyclohexane	1.1	U	1.1	0.53	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Methylene Chloride	**1.5**		1.1	0.34	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
m-Xylene & p-Xylene	1.1	U	1.1	0.12	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
o-Xylene	1.1	U	1.1	0.17	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Styrene	1.1	U	1.1	0.16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
TBA	11	U	11	3.7	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Tetrachloroethene	**2.0**		1.1	0.29	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Toluene	1.1	U	1.1	0.20	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
trans-1,2-Dichloroethene	1.1	U	1.1	0.41	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
trans-1,3-Dichloropropene	1.1	U	1.1	0.11	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Trichloroethene	1.1	U	1.1	0.27	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1
Trichlorofluoromethane	1.1	U	1.1	0.36	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1

Client Sample ID: SB-9 (2-4) 08182016

Date Collected: 08/18/16 09:31
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-3

Matrix: Solid
Percent Solids: 86.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.1	U	1.1	0.41	ug/Kg	☼	08/18/16 22:14	08/21/16 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*78 - 135*	*08/18/16 22:14*	*08/21/16 12:07*	*1*
4-Bromofluorobenzene	*91*		*67 - 126*	*08/18/16 22:14*	*08/21/16 12:07*	*1*
Dibromofluoromethane (Surr)	*95*		*61 - 149*	*08/18/16 22:14*	*08/21/16 12:07*	*1*
Toluene-d8 (Surr)	*100*		*73 - 121*	*08/18/16 22:14*	*08/21/16 12:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	38	U	38	8.4	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
1,2-Dichlorobenzene	380	U	380	13	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
1,3-Dichlorobenzene	380	U	380	30	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
1,4-Dichlorobenzene	380	U	380	30	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
2,2'-oxybis[1-chloropropane]	380	U	380	16	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
2,4-Dinitrotoluene	78	U	78	15	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
2,6-Dinitrotoluene	78	U	78	20	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
2-Chloronaphthalene	380	U	380	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
2-Methylnaphthalene	**16**	**J**	380	8.4	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
2-Nitroaniline	380	U	380	13	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
3,3'-Dichlorobenzidine	150	U	150	43	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
3-Nitroaniline	380	U	380	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
4-Bromophenyl phenyl ether	380	U	380	12	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
4-Chloroaniline	380	U	380	9.8	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
4-Chlorophenyl phenyl ether	380	U	380	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
4-Nitroaniline	380	U	380	14	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Acenaphthene	380	U	380	9.3	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Acenaphthylene	380	U	380	9.8	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Anthracene	380	U	380	36	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Benzo[a]anthracene	**52**		38	32	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Benzo[a]pyrene	**45**		38	12	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Benzo[b]fluoranthene	**85**		38	15	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Benzo[g,h,i]perylene	**37**	**J**	380	22	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Benzo[k]fluoranthene	**24**	**J**	38	17	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Bis(2-chloroethoxy)methane	380	U	380	12	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Bis(2-chloroethyl)ether	38	U	38	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Bis(2-ethylhexyl) phthalate	**100**	**J**	380	15	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Butyl benzyl phthalate	380	U	380	12	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Carbazole	380	U	380	9.5	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Chrysene	**75**	**J**	380	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Dibenz(a,h)anthracene	38	U	38	20	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Dibenzofuran	380	U	380	12	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Diethyl phthalate	380	U	380	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Dimethyl phthalate	380	U	380	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Di-n-butyl phthalate	**46**	**J**	380	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Di-n-octyl phthalate	380	U	380	19	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Fluoranthene	**86**	**J**	380	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Fluorene	380	U	380	8.3	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Hexachlorobenzene	38	U	38	16	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Hexachlorobutadiene	78	U	78	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1

Client Sample ID: SB-9 (2-4) 08182016

Date Collected: 08/18/16 09:31
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-3

Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	380	U	380	24	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Hexachloroethane	38	U	38	14	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Indeno[1,2,3-cd]pyrene	**36**	**J**	38	25	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Isophorone	150	U	150	8.2	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Naphthalene	**14**	**J**	380	9.7	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Nitrobenzene	38	U	38	12	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
N-Nitrosodi-n-propylamine	38	U	38	13	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
N-Nitrosodiphenylamine	380	U	380	35	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Phenanthrene	**64**	**J**	380	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1
Pyrene	**97**	**J**	380	17	ug/Kg	☼	08/20/16 12:41	08/23/16 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*38 - 95*	*08/20/16 12:41*	*08/23/16 15:16*	*1*
Nitrobenzene-d5 (Surr)	*74*		*37 - 94*	*08/20/16 12:41*	*08/23/16 15:16*	*1*
Terphenyl-d14 (Surr)	*78*		*24 - 109*	*08/20/16 12:41*	*08/23/16 15:16*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	78	U	78	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Aroclor 1221	78	U	78	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Aroclor 1232	78	U	78	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Aroclor 1242	78	U	78	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Aroclor 1248	78	U	78	10	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Aroclor 1254	78	U	78	11	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Aroclor 1260	78	U	78	11	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Aroclor 1268	78	U	78	11	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Aroclor-1262	78	U	78	11	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1
Polychlorinated biphenyls, Total	78	U	78	11	ug/Kg	☼	08/22/16 22:48	08/23/16 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*35 - 150*	*08/22/16 22:48*	*08/23/16 16:38*	*1*
DCB Decachlorobiphenyl	*130*		*35 - 150*	*08/22/16 22:48*	*08/23/16 16:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5760**		37.5	19.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Antimony	3.7	U	3.7	1.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Arsenic	**4.1**		2.8	0.92	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Barium	**91.3**		37.5	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Beryllium	0.37	U	0.37	0.32	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Cadmium	0.75	U	0.75	0.39	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Calcium	**78900**		2340	139	mg/Kg	☼	08/20/16 16:27	08/22/16 15:09	10
Chromium	**12.1**		1.9	0.91	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Cobalt	**3.1**	**J**	9.4	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Copper	**31.0**		4.7	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Iron	**10500**		28.1	21.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Lead	**99.8**		1.9	0.74	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Magnesium	**15600**		936	46.7	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Manganese	**166**		2.8	0.98	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Nickel	**11.4**		7.5	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4

Client Sample ID: SB-9 (2-4) 08182016

Lab Sample ID: 460-118857-3
Date Collected: 08/18/16 09:31
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**913**	**J**	936	28.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Selenium	**1.5**	**J**	3.7	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Silver	1.9	U	1.9	0.33	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Sodium	**200**	**J**	936	63.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Thallium	3.7	U	3.7	1.7	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Vanadium	**23.3**		9.4	0.94	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4
Zinc	**141**		5.6	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:18	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.019	0.013	mg/Kg	☼	08/19/16 11:32	08/19/16 16:43	1

Client Sample ID: SB-9 (12-14) 08182016

Lab Sample ID: 460-118857-4
Date Collected: 08/18/16 09:43
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 96.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.93	U	0.93	0.35	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,1,2,2-Tetrachloroethane	0.93	U	0.93	0.16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.93	U	0.93	0.41	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,1,2-Trichloroethane	0.93	U	0.93	0.26	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,1-Dichloroethane	0.93	U	0.93	0.32	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,1-Dichloroethene	0.93	U	0.93	0.38	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,2,3-Trichlorobenzene	0.93	U	0.93	0.10	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,2,4-Trichlorobenzene	0.93	U	0.93	0.30	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,2-Dibromo-3-Chloropropane	0.93	U	0.93	0.44	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,2-Dichlorobenzene	0.93	U	0.93	0.13	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,2-Dichloroethane	0.93	U	0.93	0.10	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,2-Dichloropropane	0.93	U	0.93	0.16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,3-Dichlorobenzene	0.93	U	0.93	0.11	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,4-Dichlorobenzene	0.93	U	0.93	0.12	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
1,4-Dioxane	19	U	19	5.9	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
2-Butanone (MEK)	**1.7**	**J**	4.6	0.71	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
2-Hexanone	4.6	U	4.6	0.87	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
4-Methyl-2-pentanone (MIBK)	4.6	U	4.6	2.1	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Acetone	**34**		4.6	0.98	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Acetonitrile	9.3	U	9.3	3.8	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Acrolein	93	U	93	14	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Benzene	0.93	U	0.93	0.19	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Bromoform	0.93	U	0.93	0.12	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Bromomethane	0.93	U	0.93	0.30	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Carbon disulfide	0.93	U	0.93	0.40	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Carbon tetrachloride	0.93	U	0.93	0.40	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Chlorobenzene	0.93	U	0.93	0.13	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Chlorobromomethane	0.93	U	0.93	0.16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Chlorodibromomethane	0.93	U	0.93	0.14	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Chloroethane	0.93	U	0.93	0.32	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Chloroform	0.93	U	0.93	0.19	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Chloromethane	0.93	U	0.93	0.35	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1

Client Sample ID: SB-9 (12-14) 08182016

Date Collected: 08/18/16 09:43
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-4

Matrix: Solid
Percent Solids: 96.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.93	U	0.93	0.20	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
cis-1,3-Dichloropropene	0.93	U	0.93	0.14	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Cyclohexane	0.93	U	0.93	0.43	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Dichlorobromomethane	0.93	U	0.93	0.35	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Dichlorodifluoromethane	0.93	U	0.93	0.30	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Ethylbenzene	0.93	U	0.93	0.17	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Ethylene Dibromide	0.93	U	0.93	0.11	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Isopropylbenzene	0.93	U	0.93	0.16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Methyl acetate	4.6	U	4.6	0.83	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Methyl tert-butyl ether	0.93	U	0.93	0.16	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Methylcyclohexane	0.93	U	0.93	0.46	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Methylene Chloride	**2.0**		0.93	0.30	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
m-Xylene & p-Xylene	0.93	U	0.93	0.10	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
o-Xylene	0.93	U	0.93	0.15	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Styrene	0.93	U	0.93	0.14	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
TBA	9.3	U	9.3	3.2	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Tetrachloroethene	0.93	U	0.93	0.26	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Toluene	0.93	U	0.93	0.18	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
trans-1,2-Dichloroethene	0.93	U	0.93	0.36	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
trans-1,3-Dichloropropene	0.93	U	0.93	0.093	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Trichloroethene	**0.37**	**J**	0.93	0.24	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Trichlorofluoromethane	0.93	U	0.93	0.32	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1
Vinyl chloride	0.93	U	0.93	0.36	ug/Kg	☼	08/18/16 22:14	08/21/16 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*78 - 135*	*08/18/16 22:14*	*08/21/16 12:31*	*1*
4-Bromofluorobenzene	*87*		*67 - 126*	*08/18/16 22:14*	*08/21/16 12:31*	*1*
Dibromofluoromethane (Surr)	*97*		*61 - 149*	*08/18/16 22:14*	*08/21/16 12:31*	*1*
Toluene-d8 (Surr)	*103*		*73 - 121*	*08/18/16 22:14*	*08/21/16 12:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	34	U	34	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
1,2-Dichlorobenzene	340	U	340	12	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
1,3-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
1,4-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
2,2'-oxybis[1-chloropropane]	340	U	340	14	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
2,4-Dinitrotoluene	70	U	70	14	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
2,6-Dinitrotoluene	70	U	70	18	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
2-Chloronaphthalene	340	U	340	7.8	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
2-Methylnaphthalene	**24**	**J**	340	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
2-Nitroaniline	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
3,3'-Dichlorobenzidine	140	U	140	38	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
3-Nitroaniline	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
4-Bromophenyl phenyl ether	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
4-Chloroaniline	340	U	340	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
4-Chlorophenyl phenyl ether	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
4-Nitroaniline	340	U	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Acenaphthene	340	U	340	8.3	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Acenaphthylene	340	U	340	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1

Client Sample ID: SB-9 (12-14) 08182016

Date Collected: 08/18/16 09:43
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-4

Matrix: Solid
Percent Solids: 96.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	340	U	340	33	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Benzo[a]anthracene	34	U	34	29	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Benzo[a]pyrene	**24**	**J**	34	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Benzo[b]fluoranthene	**39**		34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Benzo[g,h,i]perylene	340	U	340	20	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Benzo[k]fluoranthene	**20**	**J**	34	15	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Bis(2-chloroethoxy)methane	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Bis(2-chloroethyl)ether	34	U	34	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Bis(2-ethylhexyl) phthalate	**96**	**J**	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Butyl benzyl phthalate	**14**	**J**	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Carbazole	340	U	340	8.5	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Chrysene	**40**	**J**	340	9.4	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Dibenz(a,h)anthracene	34	U	34	18	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Dibenzofuran	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Diethyl phthalate	340	U	340	9.8	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Dimethyl phthalate	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Di-n-butyl phthalate	**36**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Di-n-octyl phthalate	340	U	340	17	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Fluoranthene	**52**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Fluorene	340	U	340	7.5	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Hexachlorobenzene	34	U	34	14	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Hexachlorobutadiene	70	U	70	9.7	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Hexachlorocyclopentadiene	340	U	340	21	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Hexachloroethane	34	U	34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Indeno[1,2,3-cd]pyrene	34	U	34	23	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Isophorone	140	U	140	7.4	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Naphthalene	**17**	**J**	340	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Nitrobenzene	34	U	34	11	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
N-Nitrosodi-n-propylamine	34	U	34	12	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
N-Nitrosodiphenylamine	340	U	340	31	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Phenanthrene	**42**	**J**	340	9.1	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1
Pyrene	**60**	**J**	340	16	ug/Kg	☼	08/20/16 12:41	08/23/16 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*38 - 95*	*08/20/16 12:41*	*08/23/16 10:46*	*1*
Nitrobenzene-d5 (Surr)	*73*		*37 - 94*	*08/20/16 12:41*	*08/23/16 10:46*	*1*
Terphenyl-d14 (Surr)	*83*		*24 - 109*	*08/20/16 12:41*	*08/23/16 10:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Aroclor 1221	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Aroclor 1232	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Aroclor 1242	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Aroclor 1248	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Aroclor 1254	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Aroclor 1260	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Aroclor 1268	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Aroclor-1262	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1
Polychlorinated biphenyls, Total	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 16:53	1

Client Sample ID: SB-9 (12-14) 08182016

Lab Sample ID: 460-118857-4

Date Collected: 08/18/16 09:43
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 96.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*35 - 150*	*08/22/16 22:48*	*08/23/16 16:53*	*1*
DCB Decachlorobiphenyl	*109*		*35 - 150*	*08/22/16 22:48*	*08/23/16 16:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5800**		30.9	15.9	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Antimony	3.1	U	3.1	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Arsenic	**1.0**	**J**	2.3	0.76	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Barium	**55.0**		30.9	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Beryllium	0.31	U	0.31	0.26	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Cadmium	0.62	U	0.62	0.32	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Calcium	**3220**		771	45.7	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Chromium	**15.9**		1.5	0.75	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Cobalt	**5.7**	**J**	7.7	0.89	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Copper	**9.5**		3.9	1.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Iron	**11100**		23.1	17.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Lead	**0.72**	**J**	1.5	0.61	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Magnesium	**5000**		771	38.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Manganese	**441**		2.3	0.81	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Nickel	**34.2**		6.2	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Potassium	**829**		771	23.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Selenium	3.1	U	3.1	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Silver	1.5	U	1.5	0.27	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Sodium	**183**	**J**	771	52.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Thallium	3.1	U	3.1	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Vanadium	**24.8**		7.7	0.77	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4
Zinc	**53.3**		4.6	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:22	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	U	0.016	0.011	mg/Kg	☼	08/19/16 11:32	08/19/16 16:48	1

Client Sample ID: SB-8 (2-4) 08182016

Lab Sample ID: 460-118857-5

Date Collected: 08/18/16 10:44
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.77	U	0.77	0.29	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,1,2,2-Tetrachloroethane	0.77	U	0.77	0.13	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.77	U *	0.77	0.34	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,1,2-Trichloroethane	0.77	U	0.77	0.22	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,1-Dichloroethane	0.77	U	0.77	0.26	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,1-Dichloroethene	0.77	U	0.77	0.32	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,2,3-Trichlorobenzene	0.77	U	0.77	0.085	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,2,4-Trichlorobenzene	0.77	U	0.77	0.25	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,2-Dibromo-3-Chloropropane	0.77	U	0.77	0.36	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,2-Dichlorobenzene	0.77	U	0.77	0.11	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,2-Dichloroethane	0.77	U	0.77	0.085	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,2-Dichloropropane	0.77	U	0.77	0.13	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,3-Dichlorobenzene	0.77	U	0.77	0.093	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1

Client Sample ID: SB-8 (2-4) 08182016

Date Collected: 08/18/16 10:44
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-5

Matrix: Solid
Percent Solids: 95.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.77	U	0.77	0.10	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
1,4-Dioxane	15	U	15	4.9	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
2-Butanone (MEK)	**0.94**	**J**	3.9	0.60	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
2-Hexanone	3.9	U	3.9	0.73	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
4-Methyl-2-pentanone (MIBK)	3.9	U	3.9	1.7	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Acetone	**19**		3.9	0.82	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Acetonitrile	7.7	U	7.7	3.1	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Acrolein	77	U	77	12	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Benzene	0.77	U	0.77	0.15	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Bromoform	0.77	U	0.77	0.10	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Bromomethane	0.77	U	0.77	0.25	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Carbon disulfide	0.77	U	0.77	0.33	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Carbon tetrachloride	0.77	U	0.77	0.33	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Chlorobenzene	0.77	U	0.77	0.11	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Chlorobromomethane	0.77	U	0.77	0.13	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Chlorodibromomethane	0.77	U	0.77	0.12	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Chloroethane	0.77	U	0.77	0.27	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Chloroform	0.77	U	0.77	0.16	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Chloromethane	0.77	U	0.77	0.29	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
cis-1,2-Dichloroethene	0.77	U	0.77	0.17	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
cis-1,3-Dichloropropene	0.77	U	0.77	0.12	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Cyclohexane	0.77	U	0.77	0.36	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Dichlorobromomethane	0.77	U	0.77	0.29	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Dichlorodifluoromethane	0.77	U	0.77	0.25	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Ethylbenzene	0.77	U	0.77	0.14	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Ethylene Dibromide	0.77	U	0.77	0.093	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Isopropylbenzene	0.77	U	0.77	0.13	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Methyl acetate	3.9	U	3.9	0.70	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Methyl tert-butyl ether	0.77	U	0.77	0.13	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Methylcyclohexane	0.77	U	0.77	0.39	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Methylene Chloride	**1.6**		0.77	0.25	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
m-Xylene & p-Xylene	0.77	U	0.77	0.085	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
o-Xylene	0.77	U	0.77	0.12	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Styrene	0.77	U	0.77	0.12	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
TBA	7.7	U	7.7	2.7	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Tetrachloroethene	0.77	U	0.77	0.22	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Toluene	0.77	U	0.77	0.15	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
trans-1,2-Dichloroethene	0.77	U	0.77	0.30	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
trans-1,3-Dichloropropene	0.77	U	0.77	0.077	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Trichloroethene	0.77	U	0.77	0.20	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Trichlorofluoromethane	0.77	U	0.77	0.26	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1
Vinyl chloride	0.77	U	0.77	0.30	ug/Kg	☼	08/18/16 22:14	08/22/16 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 135*	*08/18/16 22:14*	*08/22/16 14:15*	*1*
4-Bromofluorobenzene	*80*		*67 - 126*	*08/18/16 22:14*	*08/22/16 14:15*	*1*
Dibromofluoromethane (Surr)	*91*		*61 - 149*	*08/18/16 22:14*	*08/22/16 14:15*	*1*
Toluene-d8 (Surr)	*93*		*73 - 121*	*08/18/16 22:14*	*08/22/16 14:15*	*1*

Client Sample ID: SB-8 (2-4) 08182016

Date Collected: 08/18/16 10:44
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-5

Matrix: Solid
Percent Solids: 95.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	35	U	35	7.7	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
1,2-Dichlorobenzene	350	U	350	12	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
1,3-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
1,4-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
2,2'-oxybis[1-chloropropane]	350	U	350	14	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
2,4-Dinitrotoluene	70	U	70	14	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
2,6-Dinitrotoluene	70	U	70	19	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
2-Chloronaphthalene	350	U	350	7.9	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
2-Methylnaphthalene	**21**	**J**	350	7.7	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
2-Nitroaniline	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
4-Chloroaniline	350	U	350	8.9	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
4-Chlorophenyl phenyl ether	350	U	350	10	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Acenaphthene	350	U	350	8.4	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Acenaphthylene	**11**	**J**	350	8.9	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Anthracene	350	U	350	33	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Benzo[a]anthracene	**140**		35	29	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Benzo[a]pyrene	**120**		35	11	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Benzo[b]fluoranthene	**150**		35	14	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Benzo[g,h,i]perylene	**96**	**J**	350	20	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Benzo[k]fluoranthene	**69**		35	15	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Bis(2-chloroethyl)ether	35	U	35	8.2	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Bis(2-ethylhexyl) phthalate	**42**	**J**	350	14	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Carbazole	350	U	350	8.6	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Chrysene	**160**	**J**	350	9.5	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Dibenz(a,h)anthracene	**27**	**J**	35	18	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Dibenzofuran	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Diethyl phthalate	350	U	350	9.9	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Di-n-butyl phthalate	**23**	**J**	350	10	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Fluoranthene	**260**	**J**	350	10	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Fluorene	350	U	350	7.6	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Hexachlorobutadiene	70	U	70	9.8	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Indeno[1,2,3-cd]pyrene	**90**		35	23	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Isophorone	140	U	140	7.5	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Naphthalene	**18**	**J**	350	8.8	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1
Phenanthrene	**110**	**J**	350	9.3	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1

Client Sample ID: SB-8 (2-4) 08182016

Date Collected: 08/18/16 10:44
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-5

Matrix: Solid
Percent Solids: 95.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**240**	**J**	350	16	ug/Kg	☼	08/20/16 12:41	08/22/16 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*38 - 95*	*08/20/16 12:41*	*08/22/16 12:28*	*1*
Nitrobenzene-d5 (Surr)	*77*		*37 - 94*	*08/20/16 12:41*	*08/22/16 12:28*	*1*
Terphenyl-d14 (Surr)	*90*		*24 - 109*	*08/20/16 12:41*	*08/22/16 12:28*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	71	U	71	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Aroclor 1221	71	U	71	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Aroclor 1232	71	U	71	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Aroclor 1242	71	U	71	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Aroclor 1248	71	U	71	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Aroclor 1254	71	U	71	9.7	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Aroclor 1260	71	U	71	9.7	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Aroclor 1268	71	U	71	9.7	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Aroclor-1262	71	U	71	9.7	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1
Polychlorinated biphenyls, Total	71	U	71	9.7	ug/Kg	☼	08/22/16 22:48	08/23/16 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*35 - 150*	*08/22/16 22:48*	*08/23/16 15:07*	*1*
DCB Decachlorobiphenyl	*129*		*35 - 150*	*08/22/16 22:48*	*08/23/16 15:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7470**		36.0	18.5	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Antimony	3.6	U	3.6	1.4	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Arsenic	**4.2**		2.7	0.88	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Barium	**200**		36.0	1.3	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Beryllium	0.36	U	0.36	0.31	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Cadmium	0.72	U	0.72	0.38	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Calcium	**52600**		2250	133	mg/Kg	☼	08/20/16 16:27	08/21/16 15:52	10
Chromium	**17.2**		1.8	0.87	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Cobalt	**4.5**	**J**	9.0	1.0	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Copper	**20.0**		4.5	1.2	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Iron	**11300**		27.0	20.3	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Lead	**363**		4.5	1.8	mg/Kg	☼	08/20/16 16:27	08/21/16 15:52	10
Magnesium	**4930**		900	44.9	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Manganese	**256**		2.7	0.95	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Nickel	**12.7**		7.2	1.3	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Potassium	**1330**		900	27.3	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Selenium	3.6	U	3.6	1.2	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Silver	1.8	U	1.8	0.32	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Sodium	**276**	**J**	900	60.9	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Thallium	3.6	U	3.6	1.6	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Vanadium	**19.2**		9.0	0.90	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4
Zinc	**208**		5.4	1.3	mg/Kg	☼	08/20/16 16:27	08/21/16 11:13	4

Client Sample ID: SB-8 (2-4) 08182016

Lab Sample ID: 460-118857-5

Date Collected: 08/18/16 10:44
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.0

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.017	0.012	mg/Kg	☼	08/22/16 05:16	08/22/16 10:06	1

Client Sample ID: SB-8 (13-15) 08182016

Lab Sample ID: 460-118857-6

Date Collected: 08/18/16 10:50
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 88.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.89	U	0.89	0.34	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,1,2,2-Tetrachloroethane	0.89	U	0.89	0.15	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.89	U *	0.89	0.39	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,1,2-Trichloroethane	0.89	U	0.89	0.25	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,1-Dichloroethane	0.89	U	0.89	0.30	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,1-Dichloroethene	0.89	U	0.89	0.37	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,2,3-Trichlorobenzene	0.89	U	0.89	0.098	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,2,4-Trichlorobenzene	0.89	U	0.89	0.29	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,2-Dibromo-3-Chloropropane	0.89	U	0.89	0.42	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,2-Dichlorobenzene	0.89	U	0.89	0.13	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,2-Dichloroethane	0.89	U	0.89	0.098	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,2-Dichloropropane	0.89	U	0.89	0.15	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,3-Dichlorobenzene	0.89	U	0.89	0.11	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,4-Dichlorobenzene	0.89	U	0.89	0.12	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
1,4-Dioxane	18	U	18	5.7	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
2-Butanone (MEK)	4.5	U	4.5	0.69	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
2-Hexanone	4.5	U	4.5	0.84	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
4-Methyl-2-pentanone (MIBK)	4.5	U	4.5	2.0	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Acetone	3.6	J	4.5	0.95	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Acetonitrile	8.9	U	8.9	3.6	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Acrolein	89	U	89	14	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Benzene	0.89	U	0.89	0.18	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Bromoform	0.89	U	0.89	0.12	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Bromomethane	0.89	U	0.89	0.29	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Carbon disulfide	0.89	U	0.89	0.38	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Carbon tetrachloride	0.89	U	0.89	0.38	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Chlorobenzene	0.89	U	0.89	0.13	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Chlorobromomethane	0.89	U	0.89	0.15	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Chlorodibromomethane	0.89	U	0.89	0.13	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Chloroethane	0.89	U	0.89	0.31	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Chloroform	0.89	U	0.89	0.19	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Chloromethane	0.89	U	0.89	0.34	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
cis-1,2-Dichloroethene	0.89	U	0.89	0.20	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
cis-1,3-Dichloropropene	0.89	U	0.89	0.13	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Cyclohexane	0.89	U	0.89	0.41	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Dichlorobromomethane	0.89	U	0.89	0.34	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Dichlorodifluoromethane	0.89	U	0.89	0.29	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Ethylbenzene	0.89	U	0.89	0.16	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Ethylene Dibromide	0.89	U	0.89	0.11	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Isopropylbenzene	0.89	U	0.89	0.15	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Methyl acetate	4.5	U	4.5	0.80	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Methyl tert-butyl ether	0.89	U	0.89	0.15	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1

Client Sample ID: SB-8 (13-15) 08182016

Date Collected: 08/18/16 10:50
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-6

Matrix: Solid
Percent Solids: 88.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	0.89	U	0.89	0.45	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Methylene Chloride	**0.73**	**J**	0.89	0.29	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
m-Xylene & p-Xylene	0.89	U	0.89	0.098	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
o-Xylene	0.89	U	0.89	0.14	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Styrene	0.89	U	0.89	0.13	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
TBA	8.9	U	8.9	3.1	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Tetrachloroethene	**0.30**	**J**	0.89	0.25	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Toluene	0.89	U	0.89	0.17	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
trans-1,2-Dichloroethene	0.89	U	0.89	0.35	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
trans-1,3-Dichloropropene	0.89	U	0.89	0.089	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Trichloroethene	**1.8**		0.89	0.23	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Trichlorofluoromethane	0.89	U	0.89	0.30	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1
Vinyl chloride	0.89	U	0.89	0.35	ug/Kg	☼	08/18/16 22:16	08/22/16 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 135*	*08/18/16 22:16*	*08/22/16 13:50*	*1*
4-Bromofluorobenzene	*84*		*67 - 126*	*08/18/16 22:16*	*08/22/16 13:50*	*1*
Dibromofluoromethane (Surr)	*93*		*61 - 149*	*08/18/16 22:16*	*08/22/16 13:50*	*1*
Toluene-d8 (Surr)	*95*		*73 - 121*	*08/18/16 22:16*	*08/22/16 13:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	37	U	37	8.2	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
1,2-Dichlorobenzene	370	U	370	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
1,3-Dichlorobenzene	370	U	370	29	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
1,4-Dichlorobenzene	370	U	370	29	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
2,2'-oxybis[1-chloropropane]	370	U	370	15	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
2,4-Dinitrotoluene	75	U	75	15	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
2,6-Dinitrotoluene	75	U	75	20	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
2-Chloronaphthalene	370	U	370	8.4	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
2-Methylnaphthalene	370	U	370	8.2	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
2-Nitroaniline	370	U	370	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
3,3'-Dichlorobenzidine	150	U	150	42	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
3-Nitroaniline	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
4-Bromophenyl phenyl ether	370	U	370	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
4-Chloroaniline	370	U	370	9.6	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
4-Chlorophenyl phenyl ether	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
4-Nitroaniline	370	U	370	14	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Acenaphthene	370	U	370	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Acenaphthylene	370	U	370	9.6	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Anthracene	370	U	370	35	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Benzo[a]anthracene	37	U	37	31	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Benzo[a]pyrene	**18**	**J**	37	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Benzo[b]fluoranthene	**31**	**J**	37	15	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Benzo[g,h,i]perylene	370	U	370	21	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Benzo[k]fluoranthene	37	U	37	16	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Bis(2-chloroethoxy)methane	370	U	370	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Bis(2-chloroethyl)ether	37	U	37	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Bis(2-ethylhexyl) phthalate	**37**	**J**	370	15	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Butyl benzyl phthalate	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1

Client Sample ID: SB-8 (13-15) 08182016

Date Collected: 08/18/16 10:50
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-6

Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	370	U	370	9.2	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Chrysene	**24**	**J**	370	10	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Dibenz(a,h)anthracene	37	U	37	19	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Dibenzofuran	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Diethyl phthalate	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Dimethyl phthalate	370	U	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Di-n-butyl phthalate	**37**	**J**	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Di-n-octyl phthalate	370	U	370	19	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Fluoranthene	**30**	**J**	370	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Fluorene	370	U	370	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Hexachlorobenzene	37	U	37	15	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Hexachlorobutadiene	75	U	75	10	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Hexachlorocyclopentadiene	370	U	370	23	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Hexachloroethane	37	U	37	14	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Indeno[1,2,3-cd]pyrene	37	U	37	25	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Isophorone	150	U	150	8.0	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Naphthalene	370	U	370	9.5	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Nitrobenzene	37	U	37	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
N-Nitrosodi-n-propylamine	37	U	37	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
N-Nitrosodiphenylamine	370	U	370	34	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Phenanthrene	**22**	**J**	370	9.9	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1
Pyrene	**34**	**J**	370	17	ug/Kg	☼	08/20/16 12:41	08/23/16 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*38 - 95*	*08/20/16 12:41*	*08/23/16 11:11*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 94*	*08/20/16 12:41*	*08/23/16 11:11*	*1*
Terphenyl-d14 (Surr)	*79*		*24 - 109*	*08/20/16 12:41*	*08/23/16 11:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Aroclor 1221	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Aroclor 1232	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Aroclor 1242	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Aroclor 1248	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Aroclor 1254	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Aroclor 1260	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Aroclor 1268	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Aroclor-1262	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1
Polychlorinated biphenyls, Total	76	U	76	10	ug/Kg	☼	08/22/16 22:48	08/23/16 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*35 - 150*	*08/22/16 22:48*	*08/23/16 17:08*	*1*
DCB Decachlorobiphenyl	*116*		*35 - 150*	*08/22/16 22:48*	*08/23/16 17:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7390**		35.0	18.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Antimony	3.5	U	3.5	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Arsenic	**4.0**		2.6	0.86	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4

Client Sample ID: SB-8 (13-15) 08182016

Lab Sample ID: 460-118857-6

Date Collected: 08/18/16 10:50
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**80.6**		35.0	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Beryllium	0.35	U	0.35	0.30	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Cadmium	0.70	U	0.70	0.36	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Calcium	**13700**		875	51.8	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Chromium	**15.3**		1.7	0.85	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Cobalt	**6.5**	**J**	8.7	1.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Copper	**24.7**		4.4	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Iron	**16800**		26.2	19.8	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Lead	**2840**		4.4	1.7	mg/Kg	☼	08/20/16 16:27	08/22/16 15:13	10
Magnesium	**4630**		875	43.7	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Manganese	**329**		2.6	0.92	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Nickel	**18.4**		7.0	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Potassium	**1670**		875	26.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Selenium	3.5	U	3.5	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Silver	**0.48**	**J**	1.7	0.31	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Sodium	**192**	**J**	875	59.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Thallium	3.5	U	3.5	1.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Vanadium	**22.9**		8.7	0.87	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4
Zinc	**93.5**		5.2	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:25	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**		0.018	0.013	mg/Kg	☼	08/22/16 05:16	08/22/16 10:13	1

Client Sample ID: SB-4 (3-5) 08182016

Lab Sample ID: 460-118857-7

Date Collected: 08/18/16 11:38
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 92.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.81	U	0.81	0.31	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,1,2,2-Tetrachloroethane	0.81	U	0.81	0.14	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.81	U	0.81	0.36	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,1,2-Trichloroethane	0.81	U	0.81	0.23	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,1-Dichloroethane	0.81	U	0.81	0.28	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,1-Dichloroethene	0.81	U	0.81	0.33	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,2,3-Trichlorobenzene	0.81	U	0.81	0.089	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,2,4-Trichlorobenzene	0.81	U	0.81	0.26	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,2-Dibromo-3-Chloropropane	0.81	U	0.81	0.38	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,2-Dichlorobenzene	0.81	U	0.81	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,2-Dichloroethane	**0.26**	**J**	0.81	0.089	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,2-Dichloropropane	0.81	U	0.81	0.14	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,3-Dichlorobenzene	0.81	U	0.81	0.097	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,4-Dichlorobenzene	0.81	U	0.81	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
1,4-Dioxane	16	U	16	5.2	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
2-Butanone (MEK)	4.1	U	4.1	0.62	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
2-Hexanone	4.1	U	4.1	0.76	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
4-Methyl-2-pentanone (MIBK)	4.1	U	4.1	1.8	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Acetone	**7.6**		4.1	0.86	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Acetonitrile	8.1	U	8.1	3.3	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1

Client Sample ID: SB-4 (3-5) 08182016

Date Collected: 08/18/16 11:38
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-7

Matrix: Solid
Percent Solids: 92.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	81	U	81	13	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Benzene	**0.49**	**J**	0.81	0.16	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Bromoform	0.81	U	0.81	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Bromomethane	0.81	U	0.81	0.26	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Carbon disulfide	0.81	U	0.81	0.35	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Carbon tetrachloride	0.81	U	0.81	0.35	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Chlorobenzene	0.81	U	0.81	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Chlorobromomethane	0.81	U	0.81	0.14	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Chlorodibromomethane	0.81	U	0.81	0.12	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Chloroethane	0.81	U	0.81	0.28	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Chloroform	**1.1**		0.81	0.17	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Chloromethane	0.81	U	0.81	0.31	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
cis-1,2-Dichloroethene	0.81	U	0.81	0.18	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
cis-1,3-Dichloropropene	0.81	U	0.81	0.12	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Cyclohexane	0.81	U	0.81	0.37	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Dichlorobromomethane	0.81	U	0.81	0.31	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Dichlorodifluoromethane	0.81	U	0.81	0.26	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Ethylbenzene	0.81	U	0.81	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Ethylene Dibromide	0.81	U	0.81	0.097	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Isopropylbenzene	0.81	U	0.81	0.14	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Methyl acetate	4.1	U	4.1	0.73	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Methyl tert-butyl ether	0.81	U	0.81	0.14	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Methylcyclohexane	0.81	U	0.81	0.41	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Methylene Chloride	**1.1**		0.81	0.26	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
m-Xylene & p-Xylene	0.81	U	0.81	0.089	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
o-Xylene	0.81	U	0.81	0.13	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Styrene	0.81	U	0.81	0.12	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
TBA	8.1	U	8.1	2.8	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Tetrachloroethene	0.81	U	0.81	0.23	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Toluene	**0.42**	**J**	0.81	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
trans-1,2-Dichloroethene	0.81	U	0.81	0.32	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
trans-1,3-Dichloropropene	0.81	U	0.81	0.081	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Trichloroethene	0.81	U	0.81	0.21	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Trichlorofluoromethane	0.81	U	0.81	0.28	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1
Vinyl chloride	0.81	U	0.81	0.32	ug/Kg	☼	08/18/16 22:16	08/21/16 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*78 - 135*	*08/18/16 22:16*	*08/21/16 13:20*	*1*
4-Bromofluorobenzene	*91*		*67 - 126*	*08/18/16 22:16*	*08/21/16 13:20*	*1*
Dibromofluoromethane (Surr)	*97*		*61 - 149*	*08/18/16 22:16*	*08/21/16 13:20*	*1*
Toluene-d8 (Surr)	*101*		*73 - 121*	*08/18/16 22:16*	*08/21/16 13:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	36	U	36	7.9	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
1,2-Dichlorobenzene	360	U	360	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
1,3-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
1,4-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
2,2'-oxybis[1-chloropropane]	360	U	360	15	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
2,4-Dinitrotoluene	72	U	72	14	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1

Client Sample ID: SB-4 (3-5) 08182016

Date Collected: 08/18/16 11:38
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-7

Matrix: Solid
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	72	U	72	19	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
2-Chloronaphthalene	360	U	360	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
2-Methylnaphthalene	360	U	360	7.9	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
2-Nitroaniline	360	U	360	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
3,3'-Dichlorobenzidine	140	U	140	40	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
3-Nitroaniline	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
4-Bromophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
4-Chloroaniline	360	U	360	9.2	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
4-Chlorophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
4-Nitroaniline	360	U	360	13	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Acenaphthene	360	U	360	8.6	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Acenaphthylene	360	U	360	9.2	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Anthracene	360	U	360	34	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Benzo[a]anthracene	36	U	36	30	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Benzo[a]pyrene	**17**	**J**	36	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Benzo[b]fluoranthene	**30**	**J**	36	14	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Benzo[g,h,i]perylene	360	U	360	20	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Benzo[k]fluoranthene	36	U	36	16	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Bis(2-chloroethoxy)methane	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Bis(2-chloroethyl)ether	36	U	36	8.4	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Bis(2-ethylhexyl) phthalate	**18**	**J**	360	14	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Butyl benzyl phthalate	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Carbazole	360	U	360	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Chrysene	**26**	**J**	360	9.7	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Dibenz(a,h)anthracene	36	U	36	19	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Dibenzofuran	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Diethyl phthalate	360	U	360	10	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Dimethyl phthalate	360	U	360	10	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Di-n-butyl phthalate	**27**	**J**	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Di-n-octyl phthalate	360	U	360	18	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Fluoranthene	**36**	**J**	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Fluorene	360	U	360	7.8	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Hexachlorobenzene	36	U	36	14	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Hexachlorobutadiene	72	U	72	10	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Hexachlorocyclopentadiene	360	U	360	22	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Hexachloroethane	36	U	36	13	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Indeno[1,2,3-cd]pyrene	36	U	36	24	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Isophorone	140	U	140	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Naphthalene	360	U	360	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Nitrobenzene	36	U	36	11	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
N-Nitrosodi-n-propylamine	36	U	36	12	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
N-Nitrosodiphenylamine	360	U	360	32	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Phenanthrene	**27**	**J**	360	9.5	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1
Pyrene	**43**	**J**	360	16	ug/Kg	☼	08/20/16 12:41	08/23/16 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*38 - 95*	*08/20/16 12:41*	*08/23/16 11:35*	*1*
Nitrobenzene-d5 (Surr)	*80*		*37 - 94*	*08/20/16 12:41*	*08/23/16 11:35*	*1*
Terphenyl-d14 (Surr)	*98*		*24 - 109*	*08/20/16 12:41*	*08/23/16 11:35*	*1*

Client Sample ID: SB-4 (3-5) 08182016

Date Collected: 08/18/16 11:38
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-7

Matrix: Solid
Percent Solids: 92.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	72	U	72	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Aroclor 1221	72	U	72	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Aroclor 1232	72	U	72	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Aroclor 1242	72	U	72	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Aroclor 1248	72	U	72	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Aroclor 1254	72	U	72	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Aroclor 1260	72	U	72	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Aroclor 1268	72	U	72	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Aroclor-1262	72	U	72	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1
Polychlorinated biphenyls, Total	72	U	72	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*118*		*35 - 150*	*08/22/16 22:48*	*08/23/16 17:23*	*1*
DCB Decachlorobiphenyl	*121*		*35 - 150*	*08/22/16 22:48*	*08/23/16 17:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6560**		33.4	17.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Antimony	3.3	U	3.3	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Arsenic	**6.7**		2.5	0.82	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Barium	**117**		33.4	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Beryllium	0.33	U	0.33	0.28	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Cadmium	0.67	U	0.67	0.35	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Calcium	**10400**		835	49.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Chromium	**25.6**		1.7	0.81	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Cobalt	**7.9**	**J**	8.4	0.96	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Copper	**36.2**		4.2	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Iron	**18600**		25.1	18.9	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Lead	**774**		1.7	0.66	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Magnesium	**5560**		835	41.7	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Manganese	**282**		2.5	0.88	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Nickel	**32.5**		6.7	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Potassium	**1700**		835	25.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Selenium	3.3	U	3.3	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Silver	**0.51**	**J**	1.7	0.29	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Sodium	**219**	**J**	835	56.6	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Thallium	3.3	U	3.3	1.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Vanadium	**22.2**		8.4	0.84	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4
Zinc	**134**		5.0	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:29	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.76**		0.018	0.013	mg/Kg	☼	08/22/16 05:16	08/22/16 10:15	1

Client Sample ID: SB-4 (11-13) 08182016

Date Collected: 08/18/16 11:52
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-8

Matrix: Solid
Percent Solids: 80.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.40	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.46	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.29	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,1-Dichloroethane	1.0	U	1.0	0.35	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,1-Dichloroethene	1.0	U	1.0	0.43	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.33	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.49	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,2-Dichloroethane	1.0	U	1.0	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.12	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
1,4-Dioxane	21	U	21	6.7	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
2-Butanone (MEK)	**2.9**	**J**	5.2	0.80	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
2-Hexanone	5.2	U	5.2	0.98	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
4-Methyl-2-pentanone (MIBK)	5.2	U	5.2	2.3	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Acetone	**36**		5.2	1.1	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Acetonitrile	10	U	10	4.2	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Acrolein	100	U	100	16	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Benzene	1.0	U	1.0	0.21	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Bromoform	1.0	U	1.0	0.14	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Bromomethane	1.0	U	1.0	0.33	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Carbon disulfide	1.0	U	1.0	0.45	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Carbon tetrachloride	1.0	U	1.0	0.45	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Chlorobenzene	1.0	U	1.0	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Chlorobromomethane	1.0	U	1.0	0.18	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Chlorodibromomethane	1.0	U	1.0	0.16	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Chloroethane	1.0	U	1.0	0.36	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Chloroform	1.0	U	1.0	0.22	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Chloromethane	1.0	U	1.0	0.40	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Cyclohexane	1.0	U	1.0	0.48	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Dichlorobromomethane	1.0	U	1.0	0.40	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.33	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Ethylbenzene	1.0	U	1.0	0.19	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Ethylene Dibromide	1.0	U	1.0	0.12	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Isopropylbenzene	1.0	U	1.0	0.18	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Methyl acetate	5.2	U	5.2	0.94	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Methylcyclohexane	1.0	U	1.0	0.52	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Methylene Chloride	**1.9**		1.0	0.33	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
m-Xylene & p-Xylene	**0.37**	**J**	1.0	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
o-Xylene	**0.25**	**J**	1.0	0.17	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Styrene	1.0	U	1.0	0.16	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
TBA	10	U	10	3.6	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1

Client Sample ID: SB-4 (11-13) 08182016

Date Collected: 08/18/16 11:52
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-8

Matrix: Solid
Percent Solids: 80.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.30**	**J**	1.0	0.20	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.41	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.10	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Trichloroethene	**0.51**	**J**	1.0	0.27	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Trichlorofluoromethane	1.0	U	1.0	0.35	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1
Vinyl chloride	1.0	U	1.0	0.41	ug/Kg	☼	08/18/16 22:16	08/21/16 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*78 - 135*	*08/18/16 22:16*	*08/21/16 13:45*	*1*
4-Bromofluorobenzene	*89*		*67 - 126*	*08/18/16 22:16*	*08/21/16 13:45*	*1*
Dibromofluoromethane (Surr)	*90*		*61 - 149*	*08/18/16 22:16*	*08/21/16 13:45*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*	*08/18/16 22:16*	*08/21/16 13:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	**12**	**J**	41	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
1,2-Dichlorobenzene	**24**	**J**	410	14	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
1,3-Dichlorobenzene	410	U	410	32	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
1,4-Dichlorobenzene	410	U	410	32	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
2,2'-oxybis[1-chloropropane]	410	U	410	17	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
2,4-Dinitrotoluene	83	U	83	16	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
2,6-Dinitrotoluene	83	U	83	22	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
2-Chloronaphthalene	410	U	410	9.3	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
2-Methylnaphthalene	**480**		410	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
2-Nitroaniline	410	U	410	13	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
3,3'-Dichlorobenzidine	160	U	160	46	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
3-Nitroaniline	410	U	410	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
4-Bromophenyl phenyl ether	410	U	410	13	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
4-Chloroaniline	410	U	410	11	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
4-Chlorophenyl phenyl ether	410	U	410	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
4-Nitroaniline	410	U	410	15	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Acenaphthene	**43**	**J**	410	9.9	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Acenaphthylene	**29**	**J**	410	11	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Anthracene	**100**	**J**	410	39	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Benzo[a]anthracene	**360**		41	34	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Benzo[a]pyrene	**310**		41	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Benzo[b]fluoranthene	**550**		41	16	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Benzo[g,h,i]perylene	**300**	**J**	410	24	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Benzo[k]fluoranthene	**170**		41	18	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Bis(2-chloroethoxy)methane	410	U	410	13	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Bis(2-chloroethyl)ether	41	U	41	9.7	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Bis(2-ethylhexyl) phthalate	**860**		410	16	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Butyl benzyl phthalate	410	U	410	13	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Carbazole	**63**	**J**	410	10	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Chrysene	**550**		410	11	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Dibenz(a,h)anthracene	**82**		41	21	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Dibenzofuran	**120**	**J**	410	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Diethyl phthalate	410	U	410	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Dimethyl phthalate	410	U	410	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Di-n-butyl phthalate	**170**	**J**	410	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1

Client Sample ID: SB-4 (11-13) 08182016

Date Collected: 08/18/16 11:52
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-8

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	410	U	410	21	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Fluoranthene	**770**		410	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Fluorene	**39**	**J**	410	8.9	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Hexachlorobenzene	41	U	41	17	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Hexachlorobutadiene	83	U	83	12	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Hexachlorocyclopentadiene	410	U	410	26	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Hexachloroethane	41	U	41	15	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Indeno[1,2,3-cd]pyrene	**280**		41	27	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Isophorone	160	U	160	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Naphthalene	**300**	**J**	410	10	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Nitrobenzene	41	U	41	13	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
N-Nitrosodi-n-propylamine	41	U	41	14	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
N-Nitrosodiphenylamine	410	U	410	37	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Phenanthrene	**700**		410	11	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1
Pyrene	**750**		410	19	ug/Kg	☼	08/20/16 12:41	08/23/16 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*38 - 95*	*08/20/16 12:41*	*08/23/16 17:43*	*1*
Nitrobenzene-d5 (Surr)	*76*		*37 - 94*	*08/20/16 12:41*	*08/23/16 17:43*	*1*
Terphenyl-d14 (Surr)	*76*		*24 - 109*	*08/20/16 12:41*	*08/23/16 17:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Aroclor 1221	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Aroclor 1232	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Aroclor 1242	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Aroclor 1248	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Aroclor 1254	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Aroclor 1260	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Aroclor 1268	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Aroclor-1262	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1
Polychlorinated biphenyls, Total	83	U	83	11	ug/Kg	☼	08/22/16 22:48	08/23/16 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*35 - 150*	*08/22/16 22:48*	*08/23/16 17:38*	*1*
DCB Decachlorobiphenyl	*120*		*35 - 150*	*08/22/16 22:48*	*08/23/16 17:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9350**		38.5	19.8	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Antimony	3.8	U	3.8	1.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Arsenic	**1.9**	**J**	2.9	0.95	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Barium	**98.1**		38.5	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Beryllium	0.38	U	0.38	0.33	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Cadmium	0.77	U	0.77	0.40	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Calcium	**4800**		962	57.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Chromium	**23.9**		1.9	0.93	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Cobalt	**10.3**		9.6	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Copper	**28.7**		4.8	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4

Client Sample ID: SB-4 (11-13) 08182016

Lab Sample ID: 460-118857-8

Date Collected: 08/18/16 11:52
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**21800**		28.9	21.7	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Lead	**684**		1.9	0.76	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Magnesium	**5730**		962	48.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Manganese	**400**		2.9	1.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Nickel	**24.9**		7.7	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Potassium	**3570**		962	29.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Selenium	3.8	U	3.8	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Silver	**0.61**	**J**	1.9	0.34	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Sodium	**200**	**J**	962	65.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Thallium	3.8	U	3.8	1.7	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Vanadium	**34.1**		9.6	0.96	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4
Zinc	**90.8**		5.8	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:33	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.43**		0.019	0.014	mg/Kg	☼	08/22/16 05:16	08/22/16 10:17	1

Client Sample ID: SB-6 (2-4) 08182016

Lab Sample ID: 460-118857-9

Date Collected: 08/18/16 12:33
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 93.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,1,2,2-Tetrachloroethane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	U	0.88	0.39	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,1,2-Trichloroethane	0.88	U	0.88	0.25	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,1-Dichloroethane	0.88	U	0.88	0.30	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,1-Dichloroethene	0.88	U	0.88	0.36	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,2,3-Trichlorobenzene	0.88	U	0.88	0.097	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,2,4-Trichlorobenzene	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,2-Dibromo-3-Chloropropane	0.88	U	0.88	0.41	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,2-Dichlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,2-Dichloroethane	0.88	U	0.88	0.097	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,2-Dichloropropane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,3-Dichlorobenzene	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,4-Dichlorobenzene	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
1,4-Dioxane	18	U	18	5.6	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
2-Butanone (MEK)	**1.4**	**J**	4.4	0.68	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
2-Hexanone	4.4	U	4.4	0.83	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	2.0	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Acetone	**27**		4.4	0.93	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Acetonitrile	8.8	U	8.8	3.6	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Acrolein	88	U	88	14	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Benzene	0.88	U	0.88	0.18	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Bromoform	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Bromomethane	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Carbon disulfide	0.88	U	0.88	0.38	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Carbon tetrachloride	0.88	U	0.88	0.38	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Chlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1

Client Sample ID: SB-6 (2-4) 08182016

Date Collected: 08/18/16 12:33
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-9

Matrix: Solid
Percent Solids: 93.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Chlorodibromomethane	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Chloroethane	0.88	U	0.88	0.31	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Chloroform	0.88	U	0.88	0.19	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Chloromethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
cis-1,2-Dichloroethene	0.88	U	0.88	0.19	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
cis-1,3-Dichloropropene	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Cyclohexane	0.88	U	0.88	0.41	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Dichlorobromomethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Dichlorodifluoromethane	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Ethylbenzene	0.88	U	0.88	0.16	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Ethylene Dibromide	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Isopropylbenzene	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Methyl acetate	4.4	U	4.4	0.79	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Methyl tert-butyl ether	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Methylcyclohexane	0.88	U	0.88	0.44	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Methylene Chloride	**1.1**		0.88	0.28	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
m-Xylene & p-Xylene	0.88	U	0.88	0.097	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
o-Xylene	0.88	U	0.88	0.14	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Styrene	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
TBA	8.8	U	8.8	3.1	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Tetrachloroethene	0.88	U	0.88	0.25	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Toluene	0.88	U	0.88	0.17	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
trans-1,2-Dichloroethene	0.88	U	0.88	0.34	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
trans-1,3-Dichloropropene	0.88	U	0.88	0.088	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Trichloroethene	0.88	U	0.88	0.23	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Trichlorofluoromethane	0.88	U	0.88	0.30	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1
Vinyl chloride	0.88	U	0.88	0.34	ug/Kg	☼	08/18/16 22:16	08/21/16 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*78 - 135*	*08/18/16 22:16*	*08/21/16 14:10*	*1*
4-Bromofluorobenzene	*84*		*67 - 126*	*08/18/16 22:16*	*08/21/16 14:10*	*1*
Dibromofluoromethane (Surr)	*93*		*61 - 149*	*08/18/16 22:16*	*08/21/16 14:10*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*	*08/18/16 22:16*	*08/21/16 14:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	35	U	35	7.8	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
1,2-Dichlorobenzene	350	U	350	12	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
1,3-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
1,4-Dichlorobenzene	350	U	350	28	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
2,2'-oxybis[1-chloropropane]	350	U	350	14	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
2,4-Dinitrotoluene	71	U	71	14	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
2,6-Dinitrotoluene	71	U	71	19	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
2-Chloronaphthalene	350	U	350	8.0	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
2-Methylnaphthalene	**120**	**J**	350	7.8	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
2-Nitroaniline	350	U	350	12	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1

Client Sample ID: SB-6 (2-4) 08182016

Date Collected: 08/18/16 12:33
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-9

Matrix: Solid
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	350	U	350	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
4-Chlorophenyl phenyl ether	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Acenaphthene	**340**	**J**	350	8.5	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Acenaphthylene	**74**	**J**	350	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Anthracene	**840**		350	33	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Benzo[a]anthracene	**2300**		35	29	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Benzo[a]pyrene	**2000**		35	11	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Benzo[b]fluoranthene	**3000**		35	14	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Benzo[g,h,i]perylene	**1500**		350	20	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Benzo[k]fluoranthene	**1200**		35	15	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Bis(2-chloroethyl)ether	35	U	35	8.3	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Bis(2-ethylhexyl) phthalate	**110**	**J**	350	14	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Carbazole	**720**		350	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Chrysene	**2800**		350	9.6	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Dibenz(a,h)anthracene	**320**		35	18	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Dibenzofuran	**300**	**J**	350	11	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Diethyl phthalate	350	U	350	10	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Di-n-butyl phthalate	**52**	**J**	350	11	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Fluoranthene	**5700**		350	10	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Fluorene	**440**		350	7.7	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Hexachlorobutadiene	71	U	71	9.9	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Indeno[1,2,3-cd]pyrene	**1300**		35	23	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Isophorone	140	U	140	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Naphthalene	**210**	**J**	350	8.9	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Phenanthrene	**6000**		350	9.4	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1
Pyrene	**4900**		350	16	ug/Kg	☼	08/20/16 12:41	08/23/16 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*38 - 95*	*08/20/16 12:41*	*08/23/16 16:05*	*1*
Nitrobenzene-d5 (Surr)	*72*		*37 - 94*	*08/20/16 12:41*	*08/23/16 16:05*	*1*
Terphenyl-d14 (Surr)	*77*		*24 - 109*	*08/20/16 12:41*	*08/23/16 16:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	71	U	71	9.5	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1
Aroclor 1221	71	U	71	9.5	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1
Aroclor 1232	71	U	71	9.5	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1
Aroclor 1242	71	U	71	9.5	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1
Aroclor 1248	71	U	71	9.5	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1

Client Sample ID: SB-6 (2-4) 08182016

Lab Sample ID: 460-118857-9

Date Collected: 08/18/16 12:33
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 93.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	71	U	71	9.8	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1
Aroclor 1260	71	U	71	9.8	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1
Aroclor 1268	71	U	71	9.8	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1
Aroclor-1262	71	U	71	9.8	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1
Polychlorinated biphenyls, Total	71	U	71	9.8	ug/Kg	☼	08/22/16 22:48	08/23/16 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*35 - 150*	*08/22/16 22:48*	*08/23/16 17:52*	*1*
DCB Decachlorobiphenyl	*123*		*35 - 150*	*08/22/16 22:48*	*08/23/16 17:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6830**		35.0	18.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Antimony	3.5	U	3.5	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Arsenic	**3.0**		2.6	0.86	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Barium	**78.1**		35.0	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Beryllium	0.35	U	0.35	0.30	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Cadmium	**0.43**	**J**	0.70	0.36	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Calcium	**13200**		874	51.8	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Chromium	**16.4**		1.7	0.85	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Cobalt	**6.0**	**J**	8.7	1.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Copper	**21.6**		4.4	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Iron	**14900**		26.2	19.8	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Lead	**10600**		17.5	6.9	mg/Kg	☼	08/20/16 16:27	08/22/16 15:17	40
Magnesium	**4310**		874	43.6	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Manganese	**344**		2.6	0.92	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Nickel	**19.0**		7.0	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Potassium	**1580**		874	26.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Selenium	3.5	U	3.5	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Silver	**0.49**	**J**	1.7	0.31	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Sodium	**215**	**J**	874	59.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Thallium	3.5	U	3.5	1.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Vanadium	**19.3**		8.7	0.87	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4
Zinc	**224**		5.2	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:37	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.29**		0.017	0.012	mg/Kg	☼	08/22/16 05:16	08/22/16 10:19	1

Client Sample ID: SB-6 (13-15) 08182016

Lab Sample ID: 460-118857-10

Date Collected: 08/18/16 12:55
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,1,2,2-Tetrachloroethane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	U	0.88	0.39	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,1,2-Trichloroethane	0.88	U	0.88	0.25	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,1-Dichloroethane	0.88	U	0.88	0.30	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1

Client Sample ID: SB-6 (13-15) 08182016

Date Collected: 08/18/16 12:55
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-10

Matrix: Solid
Percent Solids: 95.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.88	U	0.88	0.36	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,2,3-Trichlorobenzene	0.88	U	0.88	0.096	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,2,4-Trichlorobenzene	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,2-Dibromo-3-Chloropropane	0.88	U	0.88	0.41	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,2-Dichlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,2-Dichloroethane	0.88	U	0.88	0.096	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,2-Dichloropropane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,3-Dichlorobenzene	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,4-Dichlorobenzene	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
1,4-Dioxane	18	U	18	5.6	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
2-Butanone (MEK)	**1.2**	**J**	4.4	0.67	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
2-Hexanone	4.4	U	4.4	0.82	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	1.9	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Acetone	**17**		4.4	0.93	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Acetonitrile	8.8	U	8.8	3.6	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Acrolein	88	U	88	14	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Benzene	0.88	U	0.88	0.18	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Bromoform	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Bromomethane	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Carbon disulfide	0.88	U	0.88	0.38	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Carbon tetrachloride	0.88	U	0.88	0.38	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Chlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Chlorobromomethane	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Chlorodibromomethane	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Chloroethane	0.88	U	0.88	0.31	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Chloroform	0.88	U	0.88	0.18	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Chloromethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
cis-1,2-Dichloroethene	0.88	U	0.88	0.19	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
cis-1,3-Dichloropropene	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Cyclohexane	0.88	U	0.88	0.40	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Dichlorobromomethane	0.88	U	0.88	0.33	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Dichlorodifluoromethane	0.88	U	0.88	0.28	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Ethylbenzene	0.88	U	0.88	0.16	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Ethylene Dibromide	0.88	U	0.88	0.11	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Isopropylbenzene	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Methyl acetate	4.4	U	4.4	0.79	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Methyl tert-butyl ether	0.88	U	0.88	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Methylcyclohexane	0.88	U	0.88	0.44	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Methylene Chloride	**1.3**		0.88	0.28	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
m-Xylene & p-Xylene	0.88	U	0.88	0.096	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
o-Xylene	0.88	U	0.88	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Styrene	0.88	U	0.88	0.13	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
TBA	8.8	U	8.8	3.1	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Tetrachloroethene	0.88	U	0.88	0.25	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Toluene	0.88	U	0.88	0.17	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
trans-1,2-Dichloroethene	0.88	U	0.88	0.34	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
trans-1,3-Dichloropropene	0.88	U	0.88	0.088	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Trichloroethene	0.88	U	0.88	0.23	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1
Trichlorofluoromethane	0.88	U	0.88	0.30	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1

Client Sample ID: SB-6 (13-15) 08182016

Date Collected: 08/18/16 12:55
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-10

Matrix: Solid
Percent Solids: 95.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.88	U	0.88	0.34	ug/Kg	☼	08/18/16 22:17	08/21/16 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*78 - 135*	*08/18/16 22:17*	*08/21/16 14:35*	*1*
4-Bromofluorobenzene	*81*		*67 - 126*	*08/18/16 22:17*	*08/21/16 14:35*	*1*
Dibromofluoromethane (Surr)	*89*		*61 - 149*	*08/18/16 22:17*	*08/21/16 14:35*	*1*
Toluene-d8 (Surr)	*92*		*73 - 121*	*08/18/16 22:17*	*08/21/16 14:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	34	U	34	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
1,2-Dichlorobenzene	340	U	340	12	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
1,3-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
1,4-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
2,2'-oxybis[1-chloropropane]	340	U	340	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
2,4-Dinitrotoluene	70	U	70	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
2,6-Dinitrotoluene	70	U	70	18	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
2-Chloronaphthalene	340	U	340	7.8	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
2-Methylnaphthalene	340	U	340	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
2-Nitroaniline	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
3,3'-Dichlorobenzidine	140	U	140	38	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
3-Nitroaniline	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
4-Bromophenyl phenyl ether	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
4-Chloroaniline	340	U	340	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
4-Chlorophenyl phenyl ether	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
4-Nitroaniline	340	U	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Acenaphthene	340	U	340	8.3	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Acenaphthylene	340	U	340	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Anthracene	340	U	340	33	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Benzo[a]anthracene	**29**	**J**	34	29	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Benzo[a]pyrene	**19**	**J**	34	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Benzo[b]fluoranthene	**37**		34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Benzo[g,h,i]perylene	340	U	340	20	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Benzo[k]fluoranthene	**16**	**J**	34	15	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Bis(2-chloroethoxy)methane	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Bis(2-chloroethyl)ether	34	U	34	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Bis(2-ethylhexyl) phthalate	**22**	**J**	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Butyl benzyl phthalate	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Carbazole	340	U	340	8.5	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Chrysene	**33**	**J**	340	9.4	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Dibenz(a,h)anthracene	34	U	34	18	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Dibenzofuran	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Diethyl phthalate	340	U	340	9.8	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Dimethyl phthalate	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Di-n-butyl phthalate	**17**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Di-n-octyl phthalate	340	U	340	17	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Fluoranthene	**40**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Fluorene	340	U	340	7.5	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Hexachlorobenzene	34	U	34	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Hexachlorobutadiene	70	U	70	9.7	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1

Client Sample ID: SB-6 (13-15) 08182016

Date Collected: 08/18/16 12:55
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-10

Matrix: Solid
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	340	U	340	21	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Hexachloroethane	34	U	34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Indeno[1,2,3-cd]pyrene	34	U	34	23	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Isophorone	140	U	140	7.4	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Naphthalene	340	U	340	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Nitrobenzene	34	U	34	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
N-Nitrosodi-n-propylamine	34	U	34	12	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
N-Nitrosodiphenylamine	340	U	340	31	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Phenanthrene	**25**	**J**	340	9.2	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1
Pyrene	**36**	**J**	340	16	ug/Kg	☼	08/20/16 12:41	08/23/16 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*38 - 95*	*08/20/16 12:41*	*08/23/16 12:00*	*1*
Nitrobenzene-d5 (Surr)	*81*		*37 - 94*	*08/20/16 12:41*	*08/23/16 12:00*	*1*
Terphenyl-d14 (Surr)	*89*		*24 - 109*	*08/20/16 12:41*	*08/23/16 12:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Aroclor 1221	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Aroclor 1232	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Aroclor 1242	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Aroclor 1248	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Aroclor 1254	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Aroclor 1260	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Aroclor 1268	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Aroclor-1262	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1
Polychlorinated biphenyls, Total	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*35 - 150*	*08/22/16 22:48*	*08/23/16 18:07*	*1*
DCB Decachlorobiphenyl	*110*		*35 - 150*	*08/22/16 22:48*	*08/23/16 18:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3800**		34.2	17.6	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Antimony	3.4	U	3.4	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Arsenic	**1.3**	**J**	2.6	0.84	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Barium	**35.4**		34.2	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Beryllium	0.34	U	0.34	0.29	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Cadmium	0.68	U	0.68	0.36	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Calcium	**2720**		855	50.6	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Chromium	**21.8**		1.7	0.83	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Cobalt	**5.7**	**J**	8.5	0.98	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Copper	**16.1**		4.3	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Iron	**9500**		25.6	19.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Lead	**4.1**		1.7	0.67	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Magnesium	**2320**		855	42.6	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Manganese	**263**		2.6	0.90	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Nickel	**9.5**		6.8	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4

Client Sample ID: SB-6 (13-15) 08182016

Lab Sample ID: 460-118857-10
Date Collected: 08/18/16 12:55
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**857**		855	25.9	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Selenium	3.4	U	3.4	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Silver	1.7	U	1.7	0.30	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Sodium	**178**	**J**	855	57.9	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Thallium	3.4	U	3.4	1.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Vanadium	**14.5**		8.5	0.85	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4
Zinc	**25.8**		5.1	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:41	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	U	0.016	0.012	mg/Kg	☼	08/22/16 05:16	08/22/16 10:25	1

Client Sample ID: SB-5 (2-4) 08182016

Lab Sample ID: 460-118857-11
Date Collected: 08/18/16 13:58
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 97.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.90	U	0.90	0.34	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,1,2,2-Tetrachloroethane	0.90	U	0.90	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.90	U	0.90	0.40	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,1,2-Trichloroethane	0.90	U	0.90	0.25	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,1-Dichloroethane	0.90	U	0.90	0.31	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,1-Dichloroethene	0.90	U	0.90	0.37	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,2,3-Trichlorobenzene	0.90	U	0.90	0.099	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,2,4-Trichlorobenzene	0.90	U	0.90	0.29	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,2-Dibromo-3-Chloropropane	0.90	U	0.90	0.42	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,2-Dichlorobenzene	0.90	U	0.90	0.13	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,2-Dichloroethane	0.90	U	0.90	0.099	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,2-Dichloropropane	0.90	U	0.90	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,3-Dichlorobenzene	0.90	U	0.90	0.11	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,4-Dichlorobenzene	0.90	U	0.90	0.12	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
1,4-Dioxane	18	U	18	5.8	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
2-Butanone (MEK)	**0.95**	**J**	4.5	0.70	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
2-Hexanone	4.5	U	4.5	0.85	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
4-Methyl-2-pentanone (MIBK)	4.5	U	4.5	2.0	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Acetone	**11**		4.5	0.96	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Acetonitrile	9.0	U	9.0	3.7	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Acrolein	90	U	90	14	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Benzene	0.90	U	0.90	0.18	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Bromoform	0.90	U	0.90	0.12	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Bromomethane	0.90	U	0.90	0.29	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Carbon disulfide	0.90	U	0.90	0.39	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Carbon tetrachloride	0.90	U	0.90	0.39	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Chlorobenzene	0.90	U	0.90	0.13	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Chlorobromomethane	0.90	U	0.90	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Chlorodibromomethane	0.90	U	0.90	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Chloroethane	0.90	U	0.90	0.32	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Chloroform	0.90	U	0.90	0.19	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Chloromethane	0.90	U	0.90	0.34	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1

Client Sample ID: SB-5 (2-4) 08182016

Date Collected: 08/18/16 13:58
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-11

Matrix: Solid
Percent Solids: 97.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.90	U	0.90	0.20	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
cis-1,3-Dichloropropene	0.90	U	0.90	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Cyclohexane	0.90	U	0.90	0.42	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Dichlorobromomethane	0.90	U	0.90	0.34	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Dichlorodifluoromethane	0.90	U	0.90	0.29	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Ethylbenzene	0.90	U	0.90	0.16	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Ethylene Dibromide	0.90	U	0.90	0.11	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Isopropylbenzene	0.90	U	0.90	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Methyl acetate	4.5	U	4.5	0.81	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Methyl tert-butyl ether	0.90	U	0.90	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Methylcyclohexane	0.90	U	0.90	0.45	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Methylene Chloride	**1.6**		0.90	0.29	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
m-Xylene & p-Xylene	0.90	U	0.90	0.099	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
o-Xylene	0.90	U	0.90	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Styrene	0.90	U	0.90	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
TBA	9.0	U	9.0	3.2	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Tetrachloroethene	0.90	U	0.90	0.25	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Toluene	0.90	U	0.90	0.17	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
trans-1,2-Dichloroethene	0.90	U	0.90	0.35	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
trans-1,3-Dichloropropene	0.90	U	0.90	0.090	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Trichloroethene	0.90	U	0.90	0.23	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Trichlorofluoromethane	0.90	U	0.90	0.31	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1
Vinyl chloride	0.90	U	0.90	0.35	ug/Kg	☼	08/18/16 22:17	08/21/16 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*78 - 135*	*08/18/16 22:17*	*08/21/16 14:59*	*1*
4-Bromofluorobenzene	*92*		*67 - 126*	*08/18/16 22:17*	*08/21/16 14:59*	*1*
Dibromofluoromethane (Surr)	*102*		*61 - 149*	*08/18/16 22:17*	*08/21/16 14:59*	*1*
Toluene-d8 (Surr)	*105*		*73 - 121*	*08/18/16 22:17*	*08/21/16 14:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	34	U	34	7.5	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
1,2-Dichlorobenzene	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
1,3-Dichlorobenzene	340	U	340	26	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
1,4-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
2,2'-oxybis[1-chloropropane]	340	U	340	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
2,4-Dinitrotoluene	69	U	69	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
2,6-Dinitrotoluene	69	U	69	18	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
2-Chloronaphthalene	340	U	340	7.7	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
2-Methylnaphthalene	**14**	**J**	340	7.5	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
2-Nitroaniline	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
3,3'-Dichlorobenzidine	140	U	140	38	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
3-Nitroaniline	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
4-Bromophenyl phenyl ether	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
4-Chloroaniline	340	U	340	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
4-Chlorophenyl phenyl ether	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
4-Nitroaniline	340	U	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Acenaphthene	340	U	340	8.2	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Acenaphthylene	340	U	340	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1

Client Sample ID: SB-5 (2-4) 08182016

Date Collected: 08/18/16 13:58
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-11

Matrix: Solid
Percent Solids: 97.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	340	U	340	32	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Benzo[a]anthracene	**50**		34	28	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Benzo[a]pyrene	**16**	**J**	34	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Benzo[b]fluoranthene	**38**		34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Benzo[g,h,i]perylene	340	U	340	19	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Benzo[k]fluoranthene	**16**	**J**	34	15	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Bis(2-chloroethoxy)methane	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Bis(2-chloroethyl)ether	34	U	34	8.0	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Bis(2-ethylhexyl) phthalate	**31**	**J**	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Butyl benzyl phthalate	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Carbazole	340	U	340	8.4	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Chrysene	**49**	**J**	340	9.2	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Dibenz(a,h)anthracene	34	U	34	18	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Dibenzofuran	**12**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Diethyl phthalate	340	U	340	9.6	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Dimethyl phthalate	340	U	340	9.8	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Di-n-butyl phthalate	**27**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Di-n-octyl phthalate	340	U	340	17	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Fluoranthene	**140**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Fluorene	**11**	**J**	340	7.4	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Hexachlorobenzene	34	U	34	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Hexachlorobutadiene	69	U	69	9.5	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Hexachlorocyclopentadiene	340	U	340	21	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Hexachloroethane	34	U	34	12	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Indeno[1,2,3-cd]pyrene	34	U	34	23	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Isophorone	140	U	140	7.3	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Naphthalene	**26**	**J**	340	8.6	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Nitrobenzene	34	U	34	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
N-Nitrosodi-n-propylamine	34	U	34	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
N-Nitrosodiphenylamine	340	U	340	31	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Phenanthrene	**64**	**J**	340	9.0	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1
Pyrene	**170**	**J**	340	15	ug/Kg	☼	08/20/16 12:41	08/23/16 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*38 - 95*	*08/20/16 12:41*	*08/23/16 12:25*	*1*
Nitrobenzene-d5 (Surr)	*68*		*37 - 94*	*08/20/16 12:41*	*08/23/16 12:25*	*1*
Terphenyl-d14 (Surr)	*73*		*24 - 109*	*08/20/16 12:41*	*08/23/16 12:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Aroclor 1221	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Aroclor 1232	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Aroclor 1242	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Aroclor 1248	69	U	69	9.1	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Aroclor 1254	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Aroclor 1260	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Aroclor 1268	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Aroclor-1262	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1
Polychlorinated biphenyls, Total	69	U	69	9.4	ug/Kg	☼	08/22/16 22:48	08/23/16 18:22	1

Client Sample ID: SB-5 (2-4) 08182016

Lab Sample ID: 460-118857-11

Date Collected: 08/18/16 13:58
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 97.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*35 - 150*	*08/22/16 22:48*	*08/23/16 18:22*	*1*
DCB Decachlorobiphenyl	*124*		*35 - 150*	*08/22/16 22:48*	*08/23/16 18:22*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2750**		32.1	16.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Antimony	3.2	U	3.2	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Arsenic	**0.83**	**J**	2.4	0.79	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Barium	**21.9**	**J**	32.1	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Beryllium	0.32	U	0.32	0.27	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Cadmium	0.64	U	0.64	0.33	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Calcium	**1940**		802	47.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Chromium	**5.5**		1.6	0.78	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Cobalt	**2.5**	**J**	8.0	0.92	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Copper	**5.7**		4.0	1.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Iron	**6370**		24.1	18.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Lead	**15.6**		1.6	0.63	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Magnesium	**1880**		802	40.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Manganese	**229**		2.4	0.84	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Nickel	**9.3**		6.4	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Potassium	**630**	**J**	802	24.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Selenium	3.2	U	3.2	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Silver	1.6	U	1.6	0.28	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Sodium	**82.2**	**J**	802	54.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Thallium	3.2	U	3.2	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Vanadium	**6.5**	**J**	8.0	0.80	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4
Zinc	**14.6**		4.8	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:45	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	U	0.016	0.011	mg/Kg	☼	08/22/16 05:16	08/22/16 10:27	1

Client Sample ID: SB-5 (13-15) 08182016

Lab Sample ID: 460-118857-12

Date Collected: 08/18/16 14:10
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 96.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	0.80	0.30	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.80	U	0.80	0.35	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,1,2-Trichloroethane	0.80	U	0.80	0.22	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,1-Dichloroethane	0.80	U	0.80	0.27	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,1-Dichloroethene	0.80	U	0.80	0.33	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,2,3-Trichlorobenzene	0.80	U	0.80	0.088	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,2,4-Trichlorobenzene	0.80	U	0.80	0.25	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,2-Dibromo-3-Chloropropane	0.80	U	0.80	0.37	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,2-Dichlorobenzene	0.80	U	0.80	0.11	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,2-Dichloroethane	0.80	U	0.80	0.088	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,2-Dichloropropane	0.80	U	0.80	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,3-Dichlorobenzene	0.80	U	0.80	0.096	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1

Client Sample ID: SB-5 (13-15) 08182016

Date Collected: 08/18/16 14:10
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-12

Matrix: Solid
Percent Solids: 96.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.80	U	0.80	0.10	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
1,4-Dioxane	16	U	16	5.1	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
2-Butanone (MEK)	4.0	U	4.0	0.61	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
2-Hexanone	4.0	U	4.0	0.75	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
4-Methyl-2-pentanone (MIBK)	4.0	U	4.0	1.8	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Acetone	**8.0**		4.0	0.84	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Acetonitrile	8.0	U	8.0	3.2	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Acrolein	80	U	80	12	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Benzene	0.80	U	0.80	0.16	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Bromoform	0.80	U	0.80	0.10	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Bromomethane	0.80	U	0.80	0.25	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Carbon disulfide	0.80	U	0.80	0.34	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Carbon tetrachloride	0.80	U	0.80	0.34	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Chlorobenzene	0.80	U	0.80	0.11	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Chlorobromomethane	0.80	U	0.80	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Chlorodibromomethane	0.80	U	0.80	0.12	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Chloroethane	0.80	U	0.80	0.28	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Chloroform	0.80	U	0.80	0.17	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Chloromethane	0.80	U	0.80	0.30	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
cis-1,2-Dichloroethene	0.80	U	0.80	0.18	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
cis-1,3-Dichloropropene	0.80	U	0.80	0.12	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Cyclohexane	0.80	U	0.80	0.37	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Dichlorobromomethane	0.80	U	0.80	0.30	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Dichlorodifluoromethane	0.80	U	0.80	0.25	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Ethylbenzene	0.80	U	0.80	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Ethylene Dibromide	0.80	U	0.80	0.096	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Isopropylbenzene	0.80	U	0.80	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Methyl acetate	4.0	U	4.0	0.72	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Methyl tert-butyl ether	0.80	U	0.80	0.14	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Methylcyclohexane	0.80	U	0.80	0.40	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Methylene Chloride	**1.7**		0.80	0.25	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
m-Xylene & p-Xylene	0.80	U	0.80	0.088	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
o-Xylene	0.80	U	0.80	0.13	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Styrene	0.80	U	0.80	0.12	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
TBA	8.0	U	8.0	2.8	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Tetrachloroethene	0.80	U	0.80	0.22	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Toluene	0.80	U	0.80	0.15	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
trans-1,2-Dichloroethene	0.80	U	0.80	0.31	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
trans-1,3-Dichloropropene	0.80	U	0.80	0.080	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Trichloroethene	0.80	U	0.80	0.21	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Trichlorofluoromethane	0.80	U	0.80	0.27	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1
Vinyl chloride	0.80	U	0.80	0.31	ug/Kg	☼	08/18/16 22:17	08/21/16 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*78 - 135*	*08/18/16 22:17*	*08/21/16 15:24*	*1*
4-Bromofluorobenzene	*83*		*67 - 126*	*08/18/16 22:17*	*08/21/16 15:24*	*1*
Dibromofluoromethane (Surr)	*94*		*61 - 149*	*08/18/16 22:17*	*08/21/16 15:24*	*1*
Toluene-d8 (Surr)	*97*		*73 - 121*	*08/18/16 22:17*	*08/21/16 15:24*	*1*

Client Sample ID: SB-5 (13-15) 08182016

Date Collected: 08/18/16 14:10
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-12

Matrix: Solid
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	34	U	34	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
1,2-Dichlorobenzene	340	U	340	12	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
1,3-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
1,4-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
2,2'-oxybis[1-chloropropane]	340	U	340	14	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
2,4-Dinitrotoluene	69	U	69	14	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
2,6-Dinitrotoluene	69	U	69	18	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
2-Chloronaphthalene	340	U	340	7.8	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
2-Methylnaphthalene	**22**	**J**	340	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
2-Nitroaniline	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
3,3'-Dichlorobenzidine	140	U	140	38	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
3-Nitroaniline	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
4-Bromophenyl phenyl ether	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
4-Chloroaniline	340	U	340	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
4-Chlorophenyl phenyl ether	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
4-Nitroaniline	340	U	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Acenaphthene	**8.9**	**J**	340	8.3	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Acenaphthylene	**13**	**J**	340	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Anthracene	340	U	340	33	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Benzo[a]anthracene	**110**		34	29	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Benzo[a]pyrene	**110**		34	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Benzo[b]fluoranthene	**180**		34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Benzo[g,h,i]perylene	**78**	**J**	340	20	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Benzo[k]fluoranthene	**77**		34	15	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Bis(2-chloroethoxy)methane	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Bis(2-chloroethyl)ether	34	U	34	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Bis(2-ethylhexyl) phthalate	340	U	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Butyl benzyl phthalate	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Carbazole	**12**	**J**	340	8.5	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Chrysene	**170**	**J**	340	9.3	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Dibenz(a,h)anthracene	34	U	34	18	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Dibenzofuran	**16**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Diethyl phthalate	340	U	340	9.7	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Dimethyl phthalate	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Di-n-butyl phthalate	**28**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Di-n-octyl phthalate	340	U	340	17	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Fluoranthene	**250**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Fluorene	**23**	**J**	340	7.5	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Hexachlorobenzene	34	U	34	14	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Hexachlorobutadiene	69	U	69	9.6	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Hexachlorocyclopentadiene	340	U	340	21	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Hexachloroethane	34	U	34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Indeno[1,2,3-cd]pyrene	**79**		34	23	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Isophorone	140	U	140	7.4	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Naphthalene	**24**	**J**	340	8.7	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Nitrobenzene	34	U	34	11	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
N-Nitrosodi-n-propylamine	34	U	34	12	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
N-Nitrosodiphenylamine	340	U	340	31	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1
Phenanthrene	**160**	**J**	340	9.1	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1

Client Sample ID: SB-5 (13-15) 08182016

Date Collected: 08/18/16 14:10
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-12

Matrix: Solid
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**260**	**J**	340	16	ug/Kg	☼	08/20/16 12:41	08/23/16 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*38 - 95*	*08/20/16 12:41*	*08/23/16 15:40*	*1*
Nitrobenzene-d5 (Surr)	*74*		*37 - 94*	*08/20/16 12:41*	*08/23/16 15:40*	*1*
Terphenyl-d14 (Surr)	*89*		*24 - 109*	*08/20/16 12:41*	*08/23/16 15:40*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	70	U	70	9.2	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Aroclor 1221	70	U	70	9.2	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Aroclor 1232	70	U	70	9.2	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Aroclor 1242	70	U	70	9.2	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Aroclor 1248	70	U	70	9.2	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Aroclor 1254	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Aroclor 1260	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Aroclor 1268	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Aroclor-1262	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1
Polychlorinated biphenyls, Total	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*117*		*35 - 150*	*08/22/16 22:48*	*08/23/16 18:37*	*1*
DCB Decachlorobiphenyl	*126*		*35 - 150*	*08/22/16 22:48*	*08/23/16 18:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4050**		33.8	17.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Antimony	3.4	U	3.4	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Arsenic	**0.95**	**J**	2.5	0.83	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Barium	**33.3**	**J**	33.8	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Beryllium	0.34	U	0.34	0.29	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Cadmium	0.68	U	0.68	0.35	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Calcium	**1970**		844	50.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Chromium	**11.7**		1.7	0.82	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Cobalt	**3.8**	**J**	8.4	0.97	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Copper	**10.5**		4.2	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Iron	**10900**		25.3	19.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Lead	1.7	U	1.7	0.66	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Magnesium	**2070**		844	42.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Manganese	**244**		2.5	0.89	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Nickel	**14.2**		6.8	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Potassium	**892**		844	25.6	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Selenium	3.4	U	3.4	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Silver	1.7	U	1.7	0.30	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Sodium	**139**	**J**	844	57.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Thallium	3.4	U	3.4	1.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Vanadium	**13.8**		8.4	0.84	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4
Zinc	**27.9**		5.1	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:49	4

Client Sample ID: SB-5 (13-15) 08182016

Lab Sample ID: 460-118857-12
Date Collected: 08/18/16 14:10
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 96.3

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	U	0.016	0.011	mg/Kg	☼	08/22/16 05:16	08/22/16 10:29	1

Client Sample ID: SB-7 (2-4) 08182016

Lab Sample ID: 460-118857-13
Date Collected: 08/18/16 14:42
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.86	U	0.86	0.33	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,1,2,2-Tetrachloroethane	0.86	U	0.86	0.15	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.86	U	0.86	0.38	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,1,2-Trichloroethane	0.86	U	0.86	0.24	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,1-Dichloroethane	0.86	U	0.86	0.29	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,1-Dichloroethene	0.86	U	0.86	0.35	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,2,3-Trichlorobenzene	0.86	U	0.86	0.095	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,2,4-Trichlorobenzene	0.86	U	0.86	0.28	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,2-Dibromo-3-Chloropropane	0.86	U	0.86	0.41	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,2-Dichlorobenzene	0.86	U	0.86	0.12	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,2-Dichloroethane	0.86	U	0.86	0.095	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,2-Dichloropropane	0.86	U	0.86	0.15	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,3-Dichlorobenzene	0.86	U	0.86	0.10	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,4-Dichlorobenzene	0.86	U	0.86	0.11	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
1,4-Dioxane	17	U	17	5.5	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
2-Butanone (MEK)	**1.0**	**J**	4.3	0.66	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
2-Hexanone	4.3	U	4.3	0.81	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
4-Methyl-2-pentanone (MIBK)	4.3	U	4.3	1.9	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Acetone	**16**		4.3	0.91	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Acetonitrile	8.6	U	8.6	3.5	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Acrolein	86	U	86	13	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Benzene	0.86	U	0.86	0.17	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Bromoform	0.86	U	0.86	0.11	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Bromomethane	0.86	U	0.86	0.28	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Carbon disulfide	0.86	U	0.86	0.37	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Carbon tetrachloride	0.86	U	0.86	0.37	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Chlorobenzene	0.86	U	0.86	0.12	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Chlorobromomethane	0.86	U	0.86	0.15	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Chlorodibromomethane	0.86	U	0.86	0.13	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Chloroethane	0.86	U	0.86	0.30	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Chloroform	0.86	U	0.86	0.18	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Chloromethane	0.86	U	0.86	0.33	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
cis-1,2-Dichloroethene	0.86	U	0.86	0.19	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
cis-1,3-Dichloropropene	0.86	U	0.86	0.13	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Cyclohexane	0.86	U	0.86	0.40	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Dichlorobromomethane	0.86	U	0.86	0.33	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Dichlorodifluoromethane	0.86	U	0.86	0.28	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Ethylbenzene	0.86	U	0.86	0.16	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Ethylene Dibromide	0.86	U	0.86	0.10	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Isopropylbenzene	0.86	U	0.86	0.15	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Methyl acetate	4.3	U	4.3	0.78	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Methyl tert-butyl ether	0.86	U	0.86	0.15	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1

Client Sample ID: SB-7 (2-4) 08182016

Date Collected: 08/18/16 14:42
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-13

Matrix: Solid
Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	0.86	U	0.86	0.43	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Methylene Chloride	**1.6**		0.86	0.28	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
m-Xylene & p-Xylene	0.86	U	0.86	0.095	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
o-Xylene	0.86	U	0.86	0.14	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Styrene	0.86	U	0.86	0.13	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
TBA	8.6	U	8.6	3.0	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Tetrachloroethene	0.86	U	0.86	0.24	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Toluene	0.86	U	0.86	0.16	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
trans-1,2-Dichloroethene	0.86	U	0.86	0.34	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
trans-1,3-Dichloropropene	0.86	U	0.86	0.086	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Trichloroethene	0.86	U	0.86	0.22	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Trichlorofluoromethane	0.86	U	0.86	0.29	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1
Vinyl chloride	0.86	U	0.86	0.34	ug/Kg	☼	08/18/16 22:18	08/21/16 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*78 - 135*	*08/18/16 22:18*	*08/21/16 15:49*	*1*
4-Bromofluorobenzene	*79*		*67 - 126*	*08/18/16 22:18*	*08/21/16 15:49*	*1*
Dibromofluoromethane (Surr)	*91*		*61 - 149*	*08/18/16 22:18*	*08/21/16 15:49*	*1*
Toluene-d8 (Surr)	*92*		*73 - 121*	*08/18/16 22:18*	*08/21/16 15:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	36	U	36	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
1,2-Dichlorobenzene	360	U	360	12	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
1,3-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
1,4-Dichlorobenzene	360	U	360	29	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
2,2'-oxybis[1-chloropropane]	360	U	360	15	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
2,4-Dinitrotoluene	74	U	74	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
2,6-Dinitrotoluene	74	U	74	19	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
2-Chloronaphthalene	360	U	360	8.3	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
2-Methylnaphthalene	360	U	360	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
2-Nitroaniline	360	U	360	12	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
3,3'-Dichlorobenzidine	150	U	150	41	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
3-Nitroaniline	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
4-Bromophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
4-Chloroaniline	360	U	360	9.4	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
4-Chlorophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
4-Nitroaniline	360	U	360	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Acenaphthene	360	U	360	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Acenaphthylene	360	U	360	9.4	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Anthracene	360	U	360	35	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Benzo[a]anthracene	36	U	36	31	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Benzo[a]pyrene	**11**	**J**	36	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Benzo[b]fluoranthene	**19**	**J**	36	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Benzo[g,h,i]perylene	360	U	360	21	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Benzo[k]fluoranthene	36	U	36	16	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Bis(2-chloroethoxy)methane	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Bis(2-chloroethyl)ether	36	U	36	8.6	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Bis(2-ethylhexyl) phthalate	**37**	**J**	360	14	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Butyl benzyl phthalate	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1

Client Sample ID: SB-7 (2-4) 08182016

Date Collected: 08/18/16 14:42
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-13

Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	360	U	360	9.1	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Chrysene	360	U	360	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Dibenz(a,h)anthracene	36	U	36	19	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Dibenzofuran	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Diethyl phthalate	360	U	360	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Dimethyl phthalate	360	U	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Di-n-butyl phthalate	**28**	**J**	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Di-n-octyl phthalate	360	U	360	19	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Fluoranthene	**16**	**J**	360	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Fluorene	360	U	360	8.0	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Hexachlorobenzene	36	U	36	15	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Hexachlorobutadiene	74	U	74	10	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Hexachlorocyclopentadiene	360	U	360	23	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Hexachloroethane	36	U	36	13	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Indeno[1,2,3-cd]pyrene	36	U	36	24	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Isophorone	150	U	150	7.9	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Naphthalene	360	U	360	9.3	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Nitrobenzene	36	U	36	11	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
N-Nitrosodi-n-propylamine	36	U	36	12	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
N-Nitrosodiphenylamine	360	U	360	33	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Phenanthrene	360	U	360	9.7	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1
Pyrene	**17**	**J**	360	17	ug/Kg	☼	08/20/16 12:41	08/23/16 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*38 - 95*	*08/20/16 12:41*	*08/23/16 12:49*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 94*	*08/20/16 12:41*	*08/23/16 12:49*	*1*
Terphenyl-d14 (Surr)	*79*		*24 - 109*	*08/20/16 12:41*	*08/23/16 12:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	74	U	74	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Aroclor 1221	74	U	74	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Aroclor 1232	74	U	74	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Aroclor 1242	74	U	74	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Aroclor 1248	74	U	74	9.9	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Aroclor 1254	74	U	74	10	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Aroclor 1260	74	U	74	10	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Aroclor 1268	74	U	74	10	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Aroclor-1262	74	U	74	10	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1
Polychlorinated biphenyls, Total	74	U	74	10	ug/Kg	☼	08/22/16 22:48	08/23/16 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*120*		*35 - 150*	*08/22/16 22:48*	*08/23/16 18:52*	*1*
DCB Decachlorobiphenyl	*126*		*35 - 150*	*08/22/16 22:48*	*08/23/16 18:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		35.2	18.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Antimony	3.5	U	3.5	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Arsenic	**2.8**		2.6	0.86	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4

Client Sample ID: SB-7 (2-4) 08182016

Lab Sample ID: 460-118857-13

Date Collected: 08/18/16 14:42
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**62.2**		35.2	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Beryllium	0.35	U	0.35	0.30	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Cadmium	0.70	U	0.70	0.37	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Calcium	**13000**		879	52.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Chromium	**13.4**		1.8	0.85	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Cobalt	**5.8**	**J**	8.8	1.0	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Copper	**18.3**		4.4	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Iron	**13500**		26.4	19.9	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Lead	**1760**		1.8	0.69	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Magnesium	**4420**		879	43.9	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Manganese	**339**		2.6	0.92	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Nickel	**16.1**		7.0	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Potassium	**1500**		879	26.6	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Selenium	3.5	U	3.5	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Silver	**0.38**	**J**	1.8	0.31	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Sodium	**98.7**	**J**	879	59.5	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Thallium	3.5	U	3.5	1.6	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Vanadium	**18.1**		8.8	0.88	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4
Zinc	**102**		5.3	1.3	mg/Kg	☼	08/20/16 16:27	08/22/16 12:52	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**		0.019	0.013	mg/Kg	☼	08/22/16 05:16	08/22/16 10:30	1

Client Sample ID: SB-7 (13-15) 08182016

Lab Sample ID: 460-118857-14

Date Collected: 08/18/16 14:50
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.82	U	0.82	0.31	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,1,2,2-Tetrachloroethane	0.82	U	0.82	0.14	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.82	U	0.82	0.36	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,1,2-Trichloroethane	0.82	U	0.82	0.23	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,1-Dichloroethane	0.82	U	0.82	0.28	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,1-Dichloroethene	0.82	U	0.82	0.34	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,2,3-Trichlorobenzene	0.82	U	0.82	0.090	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,2,4-Trichlorobenzene	0.82	U	0.82	0.26	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,2-Dibromo-3-Chloropropane	0.82	U	0.82	0.38	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,2-Dichlorobenzene	0.82	U	0.82	0.11	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,2-Dichloroethane	0.82	U	0.82	0.090	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,2-Dichloropropane	0.82	U	0.82	0.14	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,3-Dichlorobenzene	0.82	U	0.82	0.098	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,4-Dichlorobenzene	0.82	U	0.82	0.11	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
1,4-Dioxane	16	U	16	5.2	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
2-Butanone (MEK)	4.1	U	4.1	0.63	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
2-Hexanone	4.1	U	4.1	0.77	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
4-Methyl-2-pentanone (MIBK)	4.1	U	4.1	1.8	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Acetone	**14**		4.1	0.87	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Acetonitrile	8.2	U	8.2	3.3	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1

Client Sample ID: SB-7 (13-15) 08182016

Date Collected: 08/18/16 14:50
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-14

Matrix: Solid
Percent Solids: 95.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	82	U	82	13	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Benzene	0.82	U	0.82	0.16	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Bromoform	0.82	U	0.82	0.11	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Bromomethane	0.82	U	0.82	0.26	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Carbon disulfide	0.82	U	0.82	0.35	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Carbon tetrachloride	0.82	U	0.82	0.35	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Chlorobenzene	0.82	U	0.82	0.11	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Chlorobromomethane	0.82	U	0.82	0.14	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Chlorodibromomethane	0.82	U	0.82	0.12	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Chloroethane	0.82	U	0.82	0.29	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Chloroform	0.82	U	0.82	0.17	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Chloromethane	0.82	U	0.82	0.31	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
cis-1,2-Dichloroethene	0.82	U	0.82	0.18	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
cis-1,3-Dichloropropene	0.82	U	0.82	0.12	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Cyclohexane	0.82	U	0.82	0.38	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Dichlorobromomethane	0.82	U	0.82	0.31	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Dichlorodifluoromethane	0.82	U	0.82	0.26	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Ethylbenzene	0.82	U	0.82	0.15	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Ethylene Dibromide	0.82	U	0.82	0.098	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Isopropylbenzene	0.82	U	0.82	0.14	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Methyl acetate	4.1	U	4.1	0.74	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Methyl tert-butyl ether	0.82	U	0.82	0.14	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Methylcyclohexane	0.82	U	0.82	0.41	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Methylene Chloride	**1.4**		0.82	0.26	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
m-Xylene & p-Xylene	0.82	U	0.82	0.090	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
o-Xylene	0.82	U	0.82	0.13	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Styrene	0.82	U	0.82	0.12	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
TBA	8.2	U	8.2	2.9	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Tetrachloroethene	**0.32**	**J**	0.82	0.23	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Toluene	0.82	U	0.82	0.16	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
trans-1,2-Dichloroethene	0.82	U	0.82	0.32	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
trans-1,3-Dichloropropene	0.82	U	0.82	0.082	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Trichloroethene	0.82	U	0.82	0.21	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Trichlorofluoromethane	0.82	U	0.82	0.28	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1
Vinyl chloride	0.82	U	0.82	0.32	ug/Kg	☼	08/18/16 22:18	08/21/16 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*78 - 135*	*08/18/16 22:18*	*08/21/16 16:13*	*1*
4-Bromofluorobenzene	*88*		*67 - 126*	*08/18/16 22:18*	*08/21/16 16:13*	*1*
Dibromofluoromethane (Surr)	*98*		*61 - 149*	*08/18/16 22:18*	*08/21/16 16:13*	*1*
Toluene-d8 (Surr)	*101*		*73 - 121*	*08/18/16 22:18*	*08/21/16 16:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	34	U	34	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
1,2-Dichlorobenzene	340	U	340	12	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
1,3-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
1,4-Dichlorobenzene	340	U	340	27	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
2,2'-oxybis[1-chloropropane]	340	U	340	14	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
2,4-Dinitrotoluene	70	U	70	14	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1

Client Sample ID: SB-7 (13-15) 08182016

Date Collected: 08/18/16 14:50
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-14

Matrix: Solid
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	70	U	70	18	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
2-Chloronaphthalene	340	U	340	7.8	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
2-Methylnaphthalene	340	U	340	7.6	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
2-Nitroaniline	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
3,3'-Dichlorobenzidine	140	U	140	38	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
3-Nitroaniline	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
4-Bromophenyl phenyl ether	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
4-Chloroaniline	340	U	340	8.9	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
4-Chlorophenyl phenyl ether	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
4-Nitroaniline	340	U	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Acenaphthene	340	U	340	8.3	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Acenaphthylene	340	U	340	8.9	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Anthracene	340	U	340	33	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Benzo[a]anthracene	34	U	34	29	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Benzo[a]pyrene	**14**	**J**	34	10	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Benzo[b]fluoranthene	**26**	**J**	34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Benzo[g,h,i]perylene	340	U	340	20	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Benzo[k]fluoranthene	34	U	34	15	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Bis(2-chloroethoxy)methane	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Bis(2-chloroethyl)ether	34	U	34	8.1	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Bis(2-ethylhexyl) phthalate	**37**	**J**	340	13	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Butyl benzyl phthalate	340	U	340	11	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Carbazole	340	U	340	8.5	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Chrysene	340	U	340	9.4	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Dibenz(a,h)anthracene	34	U	34	18	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Dibenzofuran	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Diethyl phthalate	340	U	340	9.8	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Dimethyl phthalate	340	U	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Di-n-butyl phthalate	**31**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Di-n-octyl phthalate	340	U	340	18	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Fluoranthene	**25**	**J**	340	10	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Fluorene	340	U	340	7.5	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Hexachlorobenzene	34	U	34	14	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Hexachlorobutadiene	70	U	70	9.7	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Hexachlorocyclopentadiene	340	U	340	21	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Hexachloroethane	34	U	34	13	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Indeno[1,2,3-cd]pyrene	34	U	34	23	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Isophorone	140	U	140	7.4	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Naphthalene	340	U	340	8.8	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Nitrobenzene	34	U	34	11	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
N-Nitrosodi-n-propylamine	34	U	34	12	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
N-Nitrosodiphenylamine	340	U	340	31	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Phenanthrene	**18**	**J**	340	9.2	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1
Pyrene	**28**	**J**	340	16	ug/Kg	☼	08/20/16 12:41	08/23/16 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*38 - 95*	*08/20/16 12:41*	*08/23/16 13:14*	*1*
Nitrobenzene-d5 (Surr)	*68*		*37 - 94*	*08/20/16 12:41*	*08/23/16 13:14*	*1*
Terphenyl-d14 (Surr)	*79*		*24 - 109*	*08/20/16 12:41*	*08/23/16 13:14*	*1*

Client Sample ID: SB-7 (13-15) 08182016

Date Collected: 08/18/16 14:50
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-14

Matrix: Solid
Percent Solids: 95.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Aroclor 1221	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Aroclor 1232	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Aroclor 1242	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Aroclor 1248	70	U	70	9.3	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Aroclor 1254	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Aroclor 1260	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Aroclor 1268	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Aroclor-1262	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1
Polychlorinated biphenyls, Total	70	U	70	9.6	ug/Kg	☼	08/22/16 22:48	08/23/16 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*35 - 150*	*08/22/16 22:48*	*08/23/16 19:07*	*1*
DCB Decachlorobiphenyl	*116*		*35 - 150*	*08/22/16 22:48*	*08/23/16 19:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3190**		34.2	17.6	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Antimony	3.4	U	3.4	1.4	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Arsenic	2.6	U	2.6	0.84	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Barium	**21.0**	**J**	34.2	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Beryllium	0.34	U	0.34	0.29	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Cadmium	0.68	U	0.68	0.36	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Calcium	**889**		856	50.6	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Chromium	**7.2**		1.7	0.83	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Cobalt	**3.2**	**J**	8.6	0.98	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Copper	**6.9**		4.3	1.1	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Iron	**9220**		25.7	19.3	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Lead	1.7	U	1.7	0.67	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Magnesium	**1910**		856	42.7	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Manganese	**214**		2.6	0.90	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Nickel	**10.2**		6.8	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Potassium	**479**	**J**	856	25.9	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Selenium	3.4	U	3.4	1.2	mg/Kg	☼	08/20/16 16:27	08/23/16 10:46	4
Silver	1.7	U	1.7	0.30	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Sodium	856	U	856	57.9	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Thallium	3.4	U	3.4	1.5	mg/Kg	☼	08/20/16 16:27	08/23/16 10:46	4
Vanadium	**10**		8.6	0.86	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4
Zinc	**21.5**		5.1	1.2	mg/Kg	☼	08/20/16 16:27	08/22/16 13:08	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.012	mg/Kg	☼	08/22/16 05:16	08/22/16 10:32	1

Client Sample ID: TB 08182016

Date Collected: 08/18/16 00:00
Date Received: 08/18/16 17:00

Lab Sample ID: 460-118857-15

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			08/20/16 04:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			08/20/16 04:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34	ug/L			08/20/16 04:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			08/20/16 04:02	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			08/20/16 04:02	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			08/20/16 04:02	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			08/20/16 04:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			08/20/16 04:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			08/20/16 04:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			08/20/16 04:02	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			08/20/16 04:02	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			08/20/16 04:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/20/16 04:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/20/16 04:02	1
1,4-Dioxane	50	U	50	8.7	ug/L			08/20/16 04:02	1
2-Butanone (MEK)	5.0	U	5.0	2.2	ug/L			08/20/16 04:02	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			08/20/16 04:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63	ug/L			08/20/16 04:02	1
Acetone	5.0	U	5.0	1.1	ug/L			08/20/16 04:02	1
Benzene	1.0	U	1.0	0.090	ug/L			08/20/16 04:02	1
Bromoform	1.0	U	1.0	0.18	ug/L			08/20/16 04:02	1
Bromomethane	1.0	U	1.0	0.18	ug/L			08/20/16 04:02	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			08/20/16 04:02	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			08/20/16 04:02	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			08/20/16 04:02	1
Chlorobromomethane	1.0	U	1.0	0.30	ug/L			08/20/16 04:02	1
Chlorodibromomethane	1.0	U	1.0	0.22	ug/L			08/20/16 04:02	1
Chloroethane	1.0	U	1.0	0.37	ug/L			08/20/16 04:02	1
Chloroform	1.0	U	1.0	0.22	ug/L			08/20/16 04:02	1
Chloromethane	1.0	U	1.0	0.22	ug/L			08/20/16 04:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/20/16 04:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			08/20/16 04:02	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			08/20/16 04:02	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			08/20/16 04:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			08/20/16 04:02	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/20/16 04:02	1
Ethylene Dibromide	1.0	U	1.0	0.19	ug/L			08/20/16 04:02	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			08/20/16 04:02	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			08/20/16 04:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.13	ug/L			08/20/16 04:02	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			08/20/16 04:02	1
Methylene Chloride	**1.8**		1.0	0.21	ug/L			08/20/16 04:02	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			08/20/16 04:02	1
o-Xylene	1.0	U	1.0	0.32	ug/L			08/20/16 04:02	1
Styrene	1.0	U	1.0	0.17	ug/L			08/20/16 04:02	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			08/20/16 04:02	1
Toluene	1.0	U	1.0	0.25	ug/L			08/20/16 04:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			08/20/16 04:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			08/20/16 04:02	1

Client Sample ID: TB 08182016

Lab Sample ID: 460-118857-15

Date Collected: 08/18/16 00:00

Matrix: Water

Date Received: 08/18/16 17:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.22	ug/L			08/20/16 04:02	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			08/20/16 04:02	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			08/20/16 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*74 - 132*		*08/20/16 04:02*	*1*
4-Bromofluorobenzene	*99*		*77 - 124*		*08/20/16 04:02*	*1*
Dibromofluoromethane (Surr)	*96*		*72 - 131*		*08/20/16 04:02*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/20/16 04:02*	*1*

Client Sample ID: SB-1(2-4)-08192016

Lab Sample ID: 460-118926-1

Date Collected: 08/19/16 08:14

Matrix: Solid

Date Received: 08/19/16 16:10

Percent Solids: 92.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.88	U	0.88	0.34	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,1,2,2-Tetrachloroethane	0.88	U	0.88	0.15	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	U	0.88	0.39	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,1,2-Trichloroethane	0.88	U	0.88	0.25	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,1-Dichloroethane	0.88	U	0.88	0.30	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,1-Dichloroethene	0.88	U	0.88	0.36	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,2,3-Trichlorobenzene	0.88	U	0.88	0.097	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,2,4-Trichlorobenzene	0.88	U	0.88	0.28	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,2-Dibromo-3-Chloropropane	0.88	U	0.88	0.42	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,2-Dichlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,2-Dichloroethane	0.88	U	0.88	0.097	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,2-Dichloropropane	0.88	U	0.88	0.15	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,3-Dichlorobenzene	0.88	U	0.88	0.11	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,4-Dichlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
1,4-Dioxane	18	U	18	5.7	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
2-Butanone (MEK)	4.4	U	4.4	0.68	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
2-Hexanone	4.4	U	4.4	0.83	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	2.0	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Acetone	**16**		4.4	0.94	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Acetonitrile	8.8	U	8.8	3.6	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Acrolein	88	U	88	14	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Benzene	0.88	U	0.88	0.18	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Bromoform	0.88	U *	0.88	0.12	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Bromomethane	0.88	U	0.88	0.28	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Carbon disulfide	0.88	U	0.88	0.38	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Carbon tetrachloride	0.88	U	0.88	0.38	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Chlorobenzene	0.88	U	0.88	0.12	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Chlorobromomethane	0.88	U	0.88	0.15	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Chlorodibromomethane	0.88	U	0.88	0.13	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Chloroethane	0.88	U	0.88	0.31	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Chloroform	0.88	U	0.88	0.19	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Chloromethane	0.88	U	0.88	0.34	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
cis-1,2-Dichloroethene	0.88	U	0.88	0.19	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
cis-1,3-Dichloropropene	0.88	U	0.88	0.13	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1

Client Sample ID: SB-1(2-4)-08192016
Date Collected: 08/19/16 08:14
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-1
Matrix: Solid
Percent Solids: 92.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.88	U	0.88	0.41	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Dichlorobromomethane	0.88	U	0.88	0.34	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Dichlorodifluoromethane	0.88	U	0.88	0.28	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Ethylbenzene	0.88	U	0.88	0.16	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Ethylene Dibromide	0.88	U	0.88	0.11	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Isopropylbenzene	0.88	U	0.88	0.15	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Methyl acetate	**1.6**	**J**	4.4	0.80	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Methyl tert-butyl ether	0.88	U	0.88	0.15	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Methylcyclohexane	0.88	U	0.88	0.44	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Methylene Chloride	**1.3**		0.88	0.28	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
m-Xylene & p-Xylene	0.88	U	0.88	0.097	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
o-Xylene	0.88	U	0.88	0.14	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Styrene	0.88	U	0.88	0.13	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
TBA	8.8	U	8.8	3.1	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Tetrachloroethene	**0.38**	**J**	0.88	0.25	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Toluene	0.88	U	0.88	0.17	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
trans-1,2-Dichloroethene	0.88	U	0.88	0.35	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
trans-1,3-Dichloropropene	0.88	U	0.88	0.088	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Trichloroethene	**3.8**		0.88	0.23	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Trichlorofluoromethane	0.88	U	0.88	0.30	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1
Vinyl chloride	0.88	U	0.88	0.35	ug/Kg	☼	08/19/16 19:44	08/21/16 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 135*	*08/19/16 19:44*	*08/21/16 14:18*	*1*
4-Bromofluorobenzene	*114*		*67 - 126*	*08/19/16 19:44*	*08/21/16 14:18*	*1*
Dibromofluoromethane (Surr)	*109*		*61 - 149*	*08/19/16 19:44*	*08/21/16 14:18*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*	*08/19/16 19:44*	*08/21/16 14:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	36	U	36	7.9	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
1,2-Dichlorobenzene	360	U	360	12	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
1,3-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
1,4-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
2,2'-oxybis[1-chloropropane]	360	U	360	15	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
2,4-Dinitrotoluene	72	U	72	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
2,6-Dinitrotoluene	72	U	72	19	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
2-Chloronaphthalene	360	U	360	8.1	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
2-Methylnaphthalene	**16**	**J**	360	7.9	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
2-Nitroaniline	360	U	360	12	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
3,3'-Dichlorobenzidine	140	U	140	40	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
3-Nitroaniline	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
4-Bromophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
4-Chloroaniline	360	U	360	9.2	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
4-Chlorophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
4-Nitroaniline	360	U	360	13	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Acenaphthene	**33**	**J**	360	8.6	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Acenaphthylene	360	U	360	9.2	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Anthracene	**90**	**J**	360	34	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Benzo[a]anthracene	**390**		36	30	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1

Client Sample ID: SB-1(2-4)-08192016
Date Collected: 08/19/16 08:14
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-1
Matrix: Solid
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**390**		36	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Benzo[b]fluoranthene	**540**		36	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Benzo[g,h,i]perylene	**280**	**J**	360	20	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Benzo[k]fluoranthene	**200**		36	16	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Bis(2-chloroethoxy)methane	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Bis(2-chloroethyl)ether	36	U	36	8.4	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Bis(2-ethylhexyl) phthalate	360	U	360	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Butyl benzyl phthalate	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Carbazole	**43**	**J**	360	8.8	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Chrysene	**410**		360	9.7	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Dibenz(a,h)anthracene	**47**		36	19	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Dibenzofuran	**19**	**J**	360	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Diethyl phthalate	360	U	360	10	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Dimethyl phthalate	360	U	360	10	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Di-n-butyl phthalate	**18**	**J**	360	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Di-n-octyl phthalate	360	U	360	18	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Fluoranthene	**720**		360	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Fluorene	**30**	**J**	360	7.8	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Hexachlorobenzene	36	U	36	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Hexachlorobutadiene	72	U	72	10	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Hexachlorocyclopentadiene	360	U	360	22	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Hexachloroethane	36	U	36	13	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Indeno[1,2,3-cd]pyrene	**290**		36	24	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Isophorone	140	U	140	7.7	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Naphthalene	**20**	**J**	360	9.1	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Nitrobenzene	36	U	36	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
N-Nitrosodi-n-propylamine	36	U	36	12	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
N-Nitrosodiphenylamine	360	U	360	32	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Phenanthrene	**420**		360	9.5	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1
Pyrene	**660**		360	16	ug/Kg	☼	08/22/16 12:27	08/23/16 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*38 - 95*	*08/22/16 12:27*	*08/23/16 16:31*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 94*	*08/22/16 12:27*	*08/23/16 16:31*	*1*
Terphenyl-d14 (Surr)	*80*		*24 - 109*	*08/22/16 12:27*	*08/23/16 16:31*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	72	U	72	9.6	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Aroclor 1221	72	U	72	9.6	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Aroclor 1232	72	U	72	9.6	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Aroclor 1242	72	U	72	9.6	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Aroclor 1248	72	U	72	9.6	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Aroclor 1254	72	U	72	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Aroclor 1260	72	U	72	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Aroclor 1268	72	U	72	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Aroclor-1262	72	U	72	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1
Polychlorinated biphenyls, Total	72	U	72	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 15:02	1

Client Sample ID: SB-1(2-4)-08192016

Lab Sample ID: 460-118926-1

Date Collected: 08/19/16 08:14
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 92.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*35 - 150*	*08/22/16 22:55*	*08/23/16 15:02*	*1*
DCB Decachlorobiphenyl	*110*		*35 - 150*	*08/22/16 22:55*	*08/23/16 15:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		32.0	16.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Antimony	**4.5**		3.2	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Arsenic	**6.1**		2.4	0.79	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Barium	**102**		32.0	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Beryllium	**0.39**		0.32	0.27	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Cadmium	0.64	U	0.64	0.33	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Calcium	**12700**		800	47.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Chromium	**15.8**		1.6	0.77	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Cobalt	**6.8**	**J**	8.0	0.92	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Copper	**22.3**		4.0	1.0	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Iron	**15000**		24.0	18.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Lead	**3910**		8.0	3.1	mg/Kg	☼	08/20/16 18:17	08/21/16 22:22	20
Magnesium	**4590**		800	39.9	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Manganese	**425**		2.4	0.84	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Nickel	**17.5**		6.4	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Potassium	**1530**		800	24.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Selenium	3.2	U	3.2	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Silver	1.6	U	1.6	0.28	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Sodium	**381**	**J**	800	54.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Thallium	3.2	U	3.2	1.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Vanadium	**22.1**		8.0	0.80	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4
Zinc	**83.3**		4.8	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:12	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**		0.017	0.012	mg/Kg	☼	08/22/16 04:51	08/22/16 09:33	1

Client Sample ID: SB-1(12-14)-08192016

Lab Sample ID: 460-118926-2

Date Collected: 08/19/16 08:40
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 94.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.93	U	0.93	0.35	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,1,2,2-Tetrachloroethane	0.93	U	0.93	0.16	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.93	U	0.93	0.41	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,1,2-Trichloroethane	0.93	U	0.93	0.26	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,1-Dichloroethane	0.93	U	0.93	0.32	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,1-Dichloroethene	0.93	U	0.93	0.38	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,2,3-Trichlorobenzene	0.93	U	0.93	0.10	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,2,4-Trichlorobenzene	0.93	U	0.93	0.30	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,2-Dibromo-3-Chloropropane	0.93	U	0.93	0.44	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,2-Dichlorobenzene	0.93	U	0.93	0.13	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,2-Dichloroethane	0.93	U	0.93	0.10	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,2-Dichloropropane	0.93	U	0.93	0.16	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,3-Dichlorobenzene	0.93	U	0.93	0.11	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1

Client Sample ID: SB-1(12-14)-08192016
Date Collected: 08/19/16 08:40
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-2
Matrix: Solid
Percent Solids: 94.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.93	U	0.93	0.12	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
1,4-Dioxane	19	U	19	6.0	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
2-Butanone (MEK)	**3.0**	**J**	4.7	0.72	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
2-Hexanone	4.7	U	4.7	0.88	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
4-Methyl-2-pentanone (MIBK)	4.7	U	4.7	2.1	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Acetone	**31**		4.7	0.99	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Acetonitrile	9.3	U	9.3	3.8	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Acrolein	93	U	93	15	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Benzene	0.93	U	0.93	0.19	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Bromoform	0.93	U *	0.93	0.12	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Bromomethane	0.93	U	0.93	0.30	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Carbon disulfide	0.93	U	0.93	0.40	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Carbon tetrachloride	0.93	U	0.93	0.40	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Chlorobenzene	0.93	U	0.93	0.13	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Chlorobromomethane	0.93	U	0.93	0.16	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Chlorodibromomethane	0.93	U	0.93	0.14	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Chloroethane	0.93	U	0.93	0.33	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Chloroform	0.93	U	0.93	0.20	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Chloromethane	0.93	U	0.93	0.35	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
cis-1,2-Dichloroethene	0.93	U	0.93	0.21	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
cis-1,3-Dichloropropene	0.93	U	0.93	0.14	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Cyclohexane	0.93	U	0.93	0.43	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Dichlorobromomethane	0.93	U	0.93	0.35	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Dichlorodifluoromethane	0.93	U	0.93	0.30	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Ethylbenzene	0.93	U	0.93	0.17	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Ethylene Dibromide	0.93	U	0.93	0.11	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Isopropylbenzene	0.93	U	0.93	0.16	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Methyl acetate	4.7	U	4.7	0.84	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Methyl tert-butyl ether	0.93	U	0.93	0.16	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Methylcyclohexane	0.93	U	0.93	0.47	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Methylene Chloride	**1.3**		0.93	0.30	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
m-Xylene & p-Xylene	0.93	U	0.93	0.10	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
o-Xylene	0.93	U	0.93	0.15	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Styrene	0.93	U	0.93	0.14	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
TBA	9.3	U	9.3	3.3	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Tetrachloroethene	0.93	U	0.93	0.26	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Toluene	0.93	U	0.93	0.18	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
trans-1,2-Dichloroethene	0.93	U	0.93	0.36	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
trans-1,3-Dichloropropene	0.93	U	0.93	0.093	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Trichloroethene	0.93	U	0.93	0.24	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Trichlorofluoromethane	0.93	U	0.93	0.32	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1
Vinyl chloride	0.93	U	0.93	0.36	ug/Kg	☼	08/19/16 19:45	08/21/16 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 135*	*08/19/16 19:45*	*08/21/16 14:44*	*1*
4-Bromofluorobenzene	*118*		*67 - 126*	*08/19/16 19:45*	*08/21/16 14:44*	*1*
Dibromofluoromethane (Surr)	*115*		*61 - 149*	*08/19/16 19:45*	*08/21/16 14:44*	*1*
Toluene-d8 (Surr)	*98*		*73 - 121*	*08/19/16 19:45*	*08/21/16 14:44*	*1*

Client Sample ID: SB-1(12-14)-08192016

Date Collected: 08/19/16 08:40
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-2

Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	35	U	35	7.7	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
1,2-Dichlorobenzene	350	U	350	12	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
1,3-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
1,4-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
2,2'-oxybis[1-chloropropane]	350	U	350	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
2,4-Dinitrotoluene	71	U	71	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
2,6-Dinitrotoluene	71	U	71	19	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
2-Chloronaphthalene	350	U	350	7.9	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
2-Methylnaphthalene	350	U	350	7.7	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
2-Nitroaniline	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
4-Chloroaniline	350	U	350	8.9	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
4-Chlorophenyl phenyl ether	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Acenaphthene	350	U	350	8.4	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Acenaphthylene	350	U	350	8.9	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Anthracene	**35**	**J**	350	33	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Benzo[a]anthracene	**150**		35	29	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Benzo[a]pyrene	**120**		35	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Benzo[b]fluoranthene	**170**		35	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Benzo[g,h,i]perylene	**84**	**J**	350	20	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Benzo[k]fluoranthene	**61**		35	15	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Bis(2-chloroethyl)ether	35	U	35	8.2	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Bis(2-ethylhexyl) phthalate	**200**	**J**	350	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Carbazole	350	U	350	8.6	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Chrysene	**150**	**J**	350	9.5	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Dibenz(a,h)anthracene	35	U	35	18	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Dibenzofuran	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Diethyl phthalate	350	U	350	9.9	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Di-n-butyl phthalate	**16**	**J**	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Fluoranthene	**250**	**J**	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Fluorene	350	U	350	7.6	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Hexachlorobutadiene	71	U	71	9.8	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Indeno[1,2,3-cd]pyrene	**84**		35	23	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Isophorone	**48**	**J**	140	7.5	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Naphthalene	350	U	350	8.8	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1
Phenanthrene	**150**	**J**	350	9.3	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1

Client Sample ID: SB-1(12-14)-08192016

Date Collected: 08/19/16 08:40
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-2

Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**240**	**J**	350	16	ug/Kg	☼	08/22/16 12:27	08/23/16 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*38 - 95*	*08/22/16 12:27*	*08/23/16 16:55*	*1*
Nitrobenzene-d5 (Surr)	*73*		*37 - 94*	*08/22/16 12:27*	*08/23/16 16:55*	*1*
Terphenyl-d14 (Surr)	*87*		*24 - 109*	*08/22/16 12:27*	*08/23/16 16:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Aroclor 1221	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Aroclor 1232	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Aroclor 1242	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Aroclor 1248	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Aroclor 1254	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Aroclor 1260	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Aroclor 1268	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Aroclor-1262	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1
Polychlorinated biphenyls, Total	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*149*		*35 - 150*	*08/22/16 22:55*	*08/23/16 15:50*	*1*
DCB Decachlorobiphenyl	*125*		*35 - 150*	*08/22/16 22:55*	*08/23/16 15:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4250**		32.4	16.7	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Antimony	3.2	U	3.2	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Arsenic	**1.5**	**J**	2.4	0.80	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Barium	**29.8**	**J**	32.4	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Beryllium	0.32	U	0.32	0.28	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Cadmium	0.65	U	0.65	0.34	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Calcium	**3950**		811	48.0	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Chromium	**12.4**		1.6	0.78	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Cobalt	**5.3**	**J**	8.1	0.93	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Copper	**11.8**		4.1	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Iron	**10800**		24.3	18.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Lead	**194**		1.6	0.64	mg/Kg	☼	08/20/16 18:17	08/21/16 22:49	4
Magnesium	**2710**		811	40.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Manganese	**308**		2.4	0.85	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Nickel	**14.2**		6.5	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Potassium	**873**		811	24.6	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Selenium	3.2	U	3.2	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Silver	1.6	U	1.6	0.29	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Sodium	**106**	**J**	811	54.9	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Thallium	3.2	U	3.2	1.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Vanadium	**15.9**		8.1	0.81	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4
Zinc	**25.7**		4.9	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:16	4

Client Sample ID: SB-1(12-14)-08192016

Lab Sample ID: 460-118926-2

Date Collected: 08/19/16 08:40
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 94.8

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.012	mg/Kg	☼	08/22/16 04:51	08/22/16 09:34	1

Client Sample ID: SB-2(2-4)08192016

Lab Sample ID: 460-118926-3

Date Collected: 08/19/16 09:02
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 89.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.86	U	0.86	0.33	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,1,2,2-Tetrachloroethane	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.86	U	0.86	0.38	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,1,2-Trichloroethane	0.86	U	0.86	0.24	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,1-Dichloroethane	0.86	U	0.86	0.29	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,1-Dichloroethene	0.86	U	0.86	0.35	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,2,3-Trichlorobenzene	0.86	U	0.86	0.094	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,2,4-Trichlorobenzene	0.86	U	0.86	0.27	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,2-Dibromo-3-Chloropropane	0.86	U	0.86	0.40	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,2-Dichlorobenzene	0.86	U	0.86	0.12	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,2-Dichloroethane	0.86	U	0.86	0.094	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,2-Dichloropropane	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,3-Dichlorobenzene	0.86	U	0.86	0.10	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,4-Dichlorobenzene	0.86	U	0.86	0.11	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
1,4-Dioxane	17	U	17	5.5	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
2-Butanone (MEK)	4.3	U	4.3	0.66	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
2-Hexanone	4.3	U	4.3	0.80	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
4-Methyl-2-pentanone (MIBK)	4.3	U	4.3	1.9	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Acetone	**22**		4.3	0.91	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Acetonitrile	8.6	U	8.6	3.5	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Acrolein	86	U	86	13	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Benzene	0.86	U	0.86	0.17	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Bromoform	0.86	U *	0.86	0.11	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Bromomethane	0.86	U	0.86	0.27	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Carbon disulfide	0.86	U	0.86	0.37	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Carbon tetrachloride	0.86	U	0.86	0.37	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Chlorobenzene	0.86	U	0.86	0.12	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Chlorobromomethane	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Chlorodibromomethane	0.86	U	0.86	0.13	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Chloroethane	0.86	U	0.86	0.30	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Chloroform	0.86	U	0.86	0.18	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Chloromethane	0.86	U	0.86	0.33	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
cis-1,2-Dichloroethene	0.86	U	0.86	0.19	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
cis-1,3-Dichloropropene	0.86	U	0.86	0.13	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Cyclohexane	0.86	U	0.86	0.39	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Dichlorobromomethane	0.86	U	0.86	0.33	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Dichlorodifluoromethane	0.86	U	0.86	0.27	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Ethylbenzene	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Ethylene Dibromide	0.86	U	0.86	0.10	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Isopropylbenzene	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Methyl acetate	4.3	U	4.3	0.77	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Methyl tert-butyl ether	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1

Client Sample ID: SB-2(2-4)08192016
Date Collected: 08/19/16 09:02
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-3
Matrix: Solid
Percent Solids: 89.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	0.86	U	0.86	0.43	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Methylene Chloride	**0.82**	**J**	0.86	0.27	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
m-Xylene & p-Xylene	0.86	U	0.86	0.094	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
o-Xylene	0.86	U	0.86	0.14	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Styrene	0.86	U	0.86	0.13	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
TBA	8.6	U	8.6	3.0	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Tetrachloroethene	**36**		0.86	0.24	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Toluene	**0.42**	**J**	0.86	0.16	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
trans-1,2-Dichloroethene	0.86	U	0.86	0.33	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
trans-1,3-Dichloropropene	0.86	U	0.86	0.086	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Trichloroethene	**0.34**	**J**	0.86	0.22	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Trichlorofluoromethane	0.86	U	0.86	0.29	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1
Vinyl chloride	0.86	U	0.86	0.33	ug/Kg	☼	08/19/16 19:46	08/21/16 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*78 - 135*	*08/19/16 19:46*	*08/21/16 15:10*	*1*
4-Bromofluorobenzene	*117*		*67 - 126*	*08/19/16 19:46*	*08/21/16 15:10*	*1*
Dibromofluoromethane (Surr)	*113*		*61 - 149*	*08/19/16 19:46*	*08/21/16 15:10*	*1*
Toluene-d8 (Surr)	*99*		*73 - 121*	*08/19/16 19:46*	*08/21/16 15:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	**22**	**J**	37	8.1	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
1,2-Dichlorobenzene	**75**	**J**	370	12	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
1,3-Dichlorobenzene	**85**	**J**	370	29	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
1,4-Dichlorobenzene	**47**	**J**	370	29	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
2,2'-oxybis[1-chloropropane]	370	U	370	15	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
2,4-Dinitrotoluene	75	U	75	15	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
2,6-Dinitrotoluene	75	U	75	20	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
2-Chloronaphthalene	**96**	**J**	370	8.4	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
2-Methylnaphthalene	**77**	**J**	370	8.1	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
2-Nitroaniline	370	U	370	12	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
3,3'-Dichlorobenzidine	150	U	150	41	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
3-Nitroaniline	370	U	370	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
4-Bromophenyl phenyl ether	370	U	370	12	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
4-Chloroaniline	370	U	370	9.5	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
4-Chlorophenyl phenyl ether	370	U	370	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
4-Nitroaniline	370	U	370	14	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Acenaphthene	**49**	**J**	370	8.9	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Acenaphthylene	**120**	**J**	370	9.5	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Anthracene	**200**	**J**	370	35	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Benzo[a]anthracene	**490**		37	31	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Benzo[a]pyrene	**410**		37	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Benzo[b]fluoranthene	**640**		37	14	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Benzo[g,h,i]perylene	**320**	**J**	370	21	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Benzo[k]fluoranthene	**210**		37	16	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Bis(2-chloroethoxy)methane	370	U	370	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Bis(2-chloroethyl)ether	37	U	37	8.7	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Bis(2-ethylhexyl) phthalate	370	U	370	14	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Butyl benzyl phthalate	370	U	370	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1

Client Sample ID: SB-2(2-4)08192016

Date Collected: 08/19/16 09:02
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-3

Matrix: Solid
Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	**64**	**J**	370	9.1	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Chrysene	**550**		370	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Dibenz(a,h)anthracene	**81**		37	19	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Dibenzofuran	**82**	**J**	370	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Diethyl phthalate	370	U	370	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Dimethyl phthalate	370	U	370	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Di-n-butyl phthalate	**29**	**J**	370	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Di-n-octyl phthalate	370	U	370	19	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Fluoranthene	**1100**		370	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Fluorene	**43**	**J**	370	8.0	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Hexachlorobenzene	37	U	37	15	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Hexachlorobutadiene	75	U	75	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Hexachlorocyclopentadiene	370	U	370	23	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Hexachloroethane	37	U	37	13	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Indeno[1,2,3-cd]pyrene	**310**		37	24	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Isophorone	150	U	150	7.9	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Naphthalene	**520**		370	9.4	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Nitrobenzene	37	U	37	12	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
N-Nitrosodi-n-propylamine	37	U	37	12	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
N-Nitrosodiphenylamine	370	U	370	33	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Phenanthrene	**1000**		370	9.8	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1
Pyrene	**1000**		370	17	ug/Kg	☼	08/22/16 12:27	08/23/16 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*38 - 95*	*08/22/16 12:27*	*08/23/16 17:18*	*1*
Nitrobenzene-d5 (Surr)	*61*		*37 - 94*	*08/22/16 12:27*	*08/23/16 17:18*	*1*
Terphenyl-d14 (Surr)	*72*		*24 - 109*	*08/22/16 12:27*	*08/23/16 17:18*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	75	U	75	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Aroclor 1221	75	U	75	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Aroclor 1232	75	U	75	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Aroclor 1242	75	U	75	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Aroclor 1248	75	U	75	9.9	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Aroclor 1254	75	U	75	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Aroclor 1260	75	U	75	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Aroclor 1268	75	U	75	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Aroclor-1262	75	U	75	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1
Polychlorinated biphenyls, Total	75	U	75	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*146*		*35 - 150*	*08/22/16 22:55*	*08/23/16 16:06*	*1*
DCB Decachlorobiphenyl	*149*		*35 - 150*	*08/22/16 22:55*	*08/23/16 16:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7610**		34.9	17.9	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Antimony	3.5	U	3.5	1.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Arsenic	**6.0**		2.6	0.86	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4

Client Sample ID: SB-2(2-4)08192016

Lab Sample ID: 460-118926-3

Date Collected: 08/19/16 09:02
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**139**		34.9	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Beryllium	**0.43**		0.35	0.30	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Cadmium	0.70	U	0.70	0.36	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Calcium	**39700**		871	51.6	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Chromium	**13.2**		1.7	0.84	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Cobalt	**5.3**	**J**	8.7	1.0	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Copper	**31.5**		4.4	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Iron	**12900**		26.1	19.7	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Lead	**2880**		4.4	1.7	mg/Kg	☼	08/20/16 18:17	08/21/16 22:26	10
Magnesium	**3100**		871	43.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Manganese	**235**		2.6	0.91	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Nickel	**13.4**		7.0	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Potassium	**1260**		871	26.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Selenium	3.5	U	3.5	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Silver	1.7	U	1.7	0.31	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Sodium	**247**	**J**	871	59.0	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Thallium	3.5	U	3.5	1.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Vanadium	**22.3**		8.7	0.87	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4
Zinc	**218**		5.2	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:20	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.24**		0.018	0.013	mg/Kg	☼	08/22/16 04:51	08/22/16 09:40	1

Client Sample ID: SB-2(10-12)08192016

Lab Sample ID: 460-118926-4

Date Collected: 08/19/16 09:20
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 91.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.85	U	0.85	0.32	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,1,2,2-Tetrachloroethane	0.85	U	0.85	0.14	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.85	U	0.85	0.37	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,1,2-Trichloroethane	0.85	U	0.85	0.24	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,1-Dichloroethane	0.85	U	0.85	0.29	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,1-Dichloroethene	0.85	U	0.85	0.35	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,2,3-Trichlorobenzene	0.85	U	0.85	0.093	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,2,4-Trichlorobenzene	0.85	U	0.85	0.27	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,2-Dibromo-3-Chloropropane	0.85	U	0.85	0.40	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,2-Dichlorobenzene	0.85	U	0.85	0.12	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,2-Dichloroethane	0.85	U	0.85	0.093	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,2-Dichloropropane	0.85	U	0.85	0.14	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,3-Dichlorobenzene	0.85	U	0.85	0.10	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,4-Dichlorobenzene	0.85	U	0.85	0.11	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
1,4-Dioxane	17	U	17	5.4	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
2-Butanone (MEK)	**3.0**	**J**	4.2	0.65	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
2-Hexanone	4.2	U	4.2	0.80	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
4-Methyl-2-pentanone (MIBK)	4.2	U	4.2	1.9	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Acetone	**36**		4.2	0.90	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Acetonitrile	8.5	U	8.5	3.5	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1

Client Sample ID: SB-2(10-12)08192016
Date Collected: 08/19/16 09:20
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-4
Matrix: Solid
Percent Solids: 91.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	85	U	85	13	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Benzene	0.85	U	0.85	0.17	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Bromoform	0.85	U *	0.85	0.11	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Bromomethane	0.85	U	0.85	0.27	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Carbon disulfide	0.85	U	0.85	0.36	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Carbon tetrachloride	0.85	U	0.85	0.36	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Chlorobenzene	0.85	U	0.85	0.12	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Chlorobromomethane	0.85	U	0.85	0.14	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Chlorodibromomethane	0.85	U	0.85	0.13	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Chloroethane	0.85	U	0.85	0.30	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Chloroform	0.85	U	0.85	0.18	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Chloromethane	0.85	U	0.85	0.32	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
cis-1,2-Dichloroethene	0.85	U	0.85	0.19	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
cis-1,3-Dichloropropene	0.85	U	0.85	0.13	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Cyclohexane	0.85	U	0.85	0.39	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Dichlorobromomethane	0.85	U	0.85	0.32	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Dichlorodifluoromethane	0.85	U	0.85	0.27	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Ethylbenzene	0.85	U	0.85	0.15	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Ethylene Dibromide	0.85	U	0.85	0.10	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Isopropylbenzene	0.85	U	0.85	0.14	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Methyl acetate	4.2	U	4.2	0.76	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Methyl tert-butyl ether	0.85	U	0.85	0.14	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Methylcyclohexane	0.85	U	0.85	0.42	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Methylene Chloride	**0.88**		0.85	0.27	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
m-Xylene & p-Xylene	0.85	U	0.85	0.093	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
o-Xylene	0.85	U	0.85	0.14	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Styrene	0.85	U	0.85	0.13	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
TBA	8.5	U	8.5	3.0	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Tetrachloroethene	**50**		0.85	0.24	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Toluene	**0.87**		0.85	0.16	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
trans-1,2-Dichloroethene	0.85	U	0.85	0.33	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
trans-1,3-Dichloropropene	0.85	U	0.85	0.085	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Trichloroethene	**0.37**	**J**	0.85	0.22	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Trichlorofluoromethane	0.85	U	0.85	0.29	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1
Vinyl chloride	0.85	U	0.85	0.33	ug/Kg	☼	08/19/16 19:47	08/21/16 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*78 - 135*	*08/19/16 19:47*	*08/21/16 15:35*	*1*
4-Bromofluorobenzene	*119*		*67 - 126*	*08/19/16 19:47*	*08/21/16 15:35*	*1*
Dibromofluoromethane (Surr)	*111*		*61 - 149*	*08/19/16 19:47*	*08/21/16 15:35*	*1*
Toluene-d8 (Surr)	*101*		*73 - 121*	*08/19/16 19:47*	*08/21/16 15:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	36	U	36	8.0	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
1,2-Dichlorobenzene	360	U	360	12	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
1,3-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
1,4-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
2,2'-oxybis[1-chloropropane]	360	U	360	15	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
2,4-Dinitrotoluene	73	U	73	14	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1

Client Sample ID: SB-2(10-12)08192016
Date Collected: 08/19/16 09:20
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-4
Matrix: Solid
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	73	U	73	19	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
2-Chloronaphthalene	360	U	360	8.2	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
2-Methylnaphthalene	**100**	**J**	360	8.0	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
2-Nitroaniline	360	U	360	12	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
3,3'-Dichlorobenzidine	150	U	150	40	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
3-Nitroaniline	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
4-Bromophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
4-Chloroaniline	360	U	360	9.3	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
4-Chlorophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
4-Nitroaniline	360	U	360	14	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Acenaphthene	**130**	**J**	360	8.7	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Acenaphthylene	**33**	**J**	360	9.3	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Anthracene	**390**		360	34	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Benzo[a]anthracene	**1400**		36	30	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Benzo[a]pyrene	**1100**		36	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Benzo[b]fluoranthene	**1400**		36	14	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Benzo[g,h,i]perylene	**970**		360	21	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Benzo[k]fluoranthene	**550**		36	16	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Bis(2-chloroethoxy)methane	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Bis(2-chloroethyl)ether	36	U	36	8.5	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Bis(2-ethylhexyl) phthalate	**360**		360	14	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Butyl benzyl phthalate	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Carbazole	**140**	**J**	360	9.0	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Chrysene	**1400**		360	9.8	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Dibenz(a,h)anthracene	**300**		36	19	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Dibenzofuran	**140**	**J**	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Diethyl phthalate	360	U	360	10	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Dimethyl phthalate	360	U	360	10	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Di-n-butyl phthalate	**38**	**J**	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Di-n-octyl phthalate	360	U	360	18	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Fluoranthene	**2200**		360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Fluorene	**92**	**J**	360	7.9	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Hexachlorobenzene	36	U	36	15	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Hexachlorobutadiene	73	U	73	10	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Hexachlorocyclopentadiene	360	U	360	23	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Hexachloroethane	36	U	36	13	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Indeno[1,2,3-cd]pyrene	**1000**		36	24	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Isophorone	**1100**		150	7.8	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Naphthalene	**280**	**J**	360	9.2	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Nitrobenzene	36	U	36	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
N-Nitrosodi-n-propylamine	36	U	36	12	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
N-Nitrosodiphenylamine	360	U	360	33	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Phenanthrene	**2100**		360	9.6	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1
Pyrene	**2500**		360	16	ug/Kg	☼	08/22/16 12:27	08/24/16 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*38 - 95*	*08/22/16 12:27*	*08/24/16 16:16*	*1*
Nitrobenzene-d5 (Surr)	*68*		*37 - 94*	*08/22/16 12:27*	*08/24/16 16:16*	*1*
Terphenyl-d14 (Surr)	*70*		*24 - 109*	*08/22/16 12:27*	*08/24/16 16:16*	*1*

Client Sample ID: SB-2(10-12)08192016

Date Collected: 08/19/16 09:20
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-4

Matrix: Solid
Percent Solids: 91.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Aroclor 1221	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Aroclor 1232	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Aroclor 1242	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Aroclor 1248	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Aroclor 1254	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Aroclor 1260	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Aroclor 1268	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Aroclor-1262	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1
Polychlorinated biphenyls, Total	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*150*		*35 - 150*	*08/22/16 22:55*	*08/23/16 16:22*	*1*
DCB Decachlorobiphenyl	*116*		*35 - 150*	*08/22/16 22:55*	*08/23/16 16:22*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6220**		34.7	17.9	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Antimony	3.5	U	3.5	1.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Arsenic	**7.4**		2.6	0.85	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Barium	**109**		34.7	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Beryllium	**0.31**	**J**	0.35	0.29	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Cadmium	0.69	U	0.69	0.36	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Calcium	**38800**		869	51.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Chromium	**17.8**		1.7	0.84	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Cobalt	**4.0**	**J**	8.7	1.0	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Copper	**25.8**		4.3	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Iron	**14000**		26.1	19.6	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Lead	**2080**		1.7	0.68	mg/Kg	☼	08/20/16 18:17	08/21/16 22:42	4
Magnesium	**5320**		869	43.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Manganese	**250**		2.6	0.91	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Nickel	**11.7**		6.9	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Potassium	**812**	**J**	869	26.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Selenium	3.5	U	3.5	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Silver	1.7	U	1.7	0.31	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Sodium	**240**	**J**	869	58.8	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Thallium	3.5	U	3.5	1.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Vanadium	**16.8**		8.7	0.87	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4
Zinc	**153**		5.2	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:23	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**		0.017	0.012	mg/Kg	☼	08/22/16 04:51	08/22/16 09:42	1

Client Sample ID: SB-3(2-4)08192016

Date Collected: 08/19/16 09:42
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-5

Matrix: Solid
Percent Solids: 91.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.89	U	0.89	0.34	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,1,2,2-Tetrachloroethane	0.89	U	0.89	0.15	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.89	U	0.89	0.39	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,1,2-Trichloroethane	0.89	U	0.89	0.25	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,1-Dichloroethane	0.89	U	0.89	0.30	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,1-Dichloroethene	0.89	U	0.89	0.36	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,2,3-Trichlorobenzene	0.89	U	0.89	0.098	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,2,4-Trichlorobenzene	0.89	U	0.89	0.28	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,2-Dibromo-3-Chloropropane	0.89	U	0.89	0.42	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,2-Dichlorobenzene	0.89	U	0.89	0.12	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,2-Dichloroethane	0.89	U	0.89	0.098	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,2-Dichloropropane	0.89	U	0.89	0.15	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,3-Dichlorobenzene	0.89	U	0.89	0.11	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,4-Dichlorobenzene	0.89	U	0.89	0.12	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
1,4-Dioxane	18	U	18	5.7	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
2-Butanone (MEK)	4.4	U	4.4	0.69	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
2-Hexanone	4.4	U	4.4	0.84	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	2.0	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Acetone	**18**		4.4	0.94	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Acetonitrile	8.9	U	8.9	3.6	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Acrolein	89	U	89	14	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Benzene	0.89	U	0.89	0.18	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Bromoform	0.89	U *	0.89	0.12	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Bromomethane	0.89	U	0.89	0.28	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Carbon disulfide	0.89	U	0.89	0.38	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Carbon tetrachloride	0.89	U	0.89	0.38	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Chlorobenzene	0.89	U	0.89	0.12	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Chlorobromomethane	0.89	U	0.89	0.15	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Chlorodibromomethane	0.89	U	0.89	0.13	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Chloroethane	0.89	U	0.89	0.31	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Chloroform	0.89	U	0.89	0.19	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Chloromethane	0.89	U	0.89	0.34	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
cis-1,2-Dichloroethene	0.89	U	0.89	0.20	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
cis-1,3-Dichloropropene	0.89	U	0.89	0.13	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Cyclohexane	0.89	U	0.89	0.41	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Dichlorobromomethane	0.89	U	0.89	0.34	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Dichlorodifluoromethane	0.89	U	0.89	0.28	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Ethylbenzene	0.89	U	0.89	0.16	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Ethylene Dibromide	0.89	U	0.89	0.11	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Isopropylbenzene	0.89	U	0.89	0.15	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Methyl acetate	4.4	U	4.4	0.80	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Methyl tert-butyl ether	0.89	U	0.89	0.15	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Methylcyclohexane	0.89	U	0.89	0.44	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Methylene Chloride	**0.48**	**J**	0.89	0.28	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
m-Xylene & p-Xylene	0.89	U	0.89	0.098	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
o-Xylene	0.89	U	0.89	0.14	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Styrene	0.89	U	0.89	0.13	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
TBA	8.9	U	8.9	3.1	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Tetrachloroethene	0.89	U	0.89	0.25	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1

Client Sample ID: SB-3(2-4)08192016
Date Collected: 08/19/16 09:42
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-5
Matrix: Solid
Percent Solids: 91.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.89	U	0.89	0.17	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
trans-1,2-Dichloroethene	0.89	U	0.89	0.35	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
trans-1,3-Dichloropropene	0.89	U	0.89	0.089	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Trichloroethene	0.89	U	0.89	0.23	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Trichlorofluoromethane	0.89	U	0.89	0.30	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1
Vinyl chloride	0.89	U	0.89	0.35	ug/Kg	☼	08/19/16 19:47	08/21/16 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*78 - 135*	*08/19/16 19:47*	*08/21/16 16:01*	*1*
4-Bromofluorobenzene	*118*		*67 - 126*	*08/19/16 19:47*	*08/21/16 16:01*	*1*
Dibromofluoromethane (Surr)	*115*		*61 - 149*	*08/19/16 19:47*	*08/21/16 16:01*	*1*
Toluene-d8 (Surr)	*100*		*73 - 121*	*08/19/16 19:47*	*08/21/16 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	36	U	36	7.9	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
1,2-Dichlorobenzene	360	U	360	12	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
1,3-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
1,4-Dichlorobenzene	360	U	360	28	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
2,2'-oxybis[1-chloropropane]	360	U	360	15	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
2,4-Dinitrotoluene	73	U	73	14	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
2,6-Dinitrotoluene	73	U	73	19	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
2-Chloronaphthalene	360	U	360	8.2	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
2-Methylnaphthalene	**8.9**	**J**	360	7.9	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
2-Nitroaniline	360	U	360	12	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
3,3'-Dichlorobenzidine	140	U	140	40	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
3-Nitroaniline	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
4-Bromophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
4-Chloroaniline	360	U	360	9.2	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
4-Chlorophenyl phenyl ether	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
4-Nitroaniline	360	U	360	14	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Acenaphthene	**23**	**J**	360	8.7	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Acenaphthylene	**15**	**J**	360	9.2	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Anthracene	**79**	**J**	360	34	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Benzo[a]anthracene	**390**		36	30	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Benzo[a]pyrene	**370**		36	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Benzo[b]fluoranthene	**460**		36	14	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Benzo[g,h,i]perylene	**370**		360	21	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Benzo[k]fluoranthene	**180**		36	16	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Bis(2-chloroethoxy)methane	360	U	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Bis(2-chloroethyl)ether	36	U	36	8.5	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Bis(2-ethylhexyl) phthalate	**110**	**J**	360	14	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Butyl benzyl phthalate	**23**	**J**	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Carbazole	**20**	**J**	360	8.9	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Chrysene	**420**		360	9.8	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Dibenz(a,h)anthracene	**35**	**J**	36	19	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Dibenzofuran	**13**	**J**	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Diethyl phthalate	360	U	360	10	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Dimethyl phthalate	360	U	360	10	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Di-n-butyl phthalate	**33**	**J**	360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1

Client Sample ID: SB-3(2-4)08192016

Date Collected: 08/19/16 09:42
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-5

Matrix: Solid
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	360	U	360	18	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Fluoranthene	**650**		360	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Fluorene	**16**	**J**	360	7.8	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Hexachlorobenzene	36	U	36	15	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Hexachlorobutadiene	73	U	73	10	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Hexachlorocyclopentadiene	360	U	360	22	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Hexachloroethane	36	U	36	13	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Indeno[1,2,3-cd]pyrene	**360**		36	24	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Isophorone	**17**	**J**	140	7.7	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Naphthalene	360	U	360	9.1	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Nitrobenzene	36	U	36	11	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
N-Nitrosodi-n-propylamine	36	U	36	12	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
N-Nitrosodiphenylamine	360	U	360	33	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Phenanthrene	**330**	**J**	360	9.6	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1
Pyrene	**610**		360	16	ug/Kg	☼	08/22/16 12:27	08/24/16 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*38 - 95*	*08/22/16 12:27*	*08/24/16 16:38*	*1*
Nitrobenzene-d5 (Surr)	*72*		*37 - 94*	*08/22/16 12:27*	*08/24/16 16:38*	*1*
Terphenyl-d14 (Surr)	*72*		*24 - 109*	*08/22/16 12:27*	*08/24/16 16:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Aroclor 1221	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Aroclor 1232	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Aroclor 1242	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Aroclor 1248	73	U	73	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Aroclor 1254	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Aroclor 1260	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Aroclor 1268	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Aroclor-1262	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1
Polychlorinated biphenyls, Total	73	U	73	10	ug/Kg	☼	08/22/16 22:55	08/23/16 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*148*		*35 - 150*	*08/22/16 22:55*	*08/23/16 16:38*	*1*
DCB Decachlorobiphenyl	*118*		*35 - 150*	*08/22/16 22:55*	*08/23/16 16:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8570**		34.6	17.8	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Antimony	3.5	U	3.5	1.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Arsenic	**4.5**		2.6	0.85	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Barium	**103**		34.6	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Beryllium	**0.34**	**J**	0.35	0.29	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Cadmium	0.69	U	0.69	0.36	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Calcium	**22000**		864	51.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Chromium	**19.6**		1.7	0.84	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Cobalt	**5.4**	**J**	8.6	0.99	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Copper	**24.4**		4.3	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4

Client Sample ID: SB-3(2-4)08192016

Lab Sample ID: 460-118926-5
Date Collected: 08/19/16 09:42
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**16000**		25.9	19.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Lead	**257**		1.7	0.68	mg/Kg	☼	08/20/16 18:17	08/21/16 22:53	4
Magnesium	**3530**		864	43.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Manganese	**343**		2.6	0.91	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Nickel	**14.3**		6.9	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Potassium	**951**		864	26.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Selenium	3.5	U	3.5	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Silver	1.7	U	1.7	0.31	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Sodium	**219**	**J**	864	58.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Thallium	3.5	U	3.5	1.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Vanadium	**22.9**		8.6	0.86	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4
Zinc	**116**		5.2	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:27	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.39**		0.019	0.013	mg/Kg	☼	08/22/16 04:51	08/22/16 09:44	1

Client Sample ID: SB-3(13-15)08192016

Lab Sample ID: 460-118926-6
Date Collected: 08/19/16 09:55
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 94.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.81	U	0.81	0.31	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,1,2,2-Tetrachloroethane	0.81	U	0.81	0.14	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.81	U	0.81	0.36	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,1,2-Trichloroethane	0.81	U	0.81	0.23	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,1-Dichloroethane	0.81	U	0.81	0.27	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,1-Dichloroethene	0.81	U	0.81	0.33	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,2,3-Trichlorobenzene	0.81	U	0.81	0.089	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,2,4-Trichlorobenzene	0.81	U	0.81	0.26	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,2-Dibromo-3-Chloropropane	0.81	U	0.81	0.38	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,2-Dichlorobenzene	0.81	U	0.81	0.11	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,2-Dichloroethane	0.81	U	0.81	0.089	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,2-Dichloropropane	0.81	U	0.81	0.14	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,3-Dichlorobenzene	0.81	U	0.81	0.097	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,4-Dichlorobenzene	0.81	U	0.81	0.10	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
1,4-Dioxane	16	U	16	5.2	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
2-Butanone (MEK)	4.0	U	4.0	0.62	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
2-Hexanone	4.0	U	4.0	0.76	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
4-Methyl-2-pentanone (MIBK)	4.0	U	4.0	1.8	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Acetone	**19**		4.0	0.86	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Acetonitrile	8.1	U	8.1	3.3	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Acrolein	81	U	81	13	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Benzene	0.81	U	0.81	0.16	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Bromoform	0.81	U *	0.81	0.10	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Bromomethane	0.81	U	0.81	0.26	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Carbon disulfide	0.81	U	0.81	0.35	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Carbon tetrachloride	0.81	U	0.81	0.35	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Chlorobenzene	0.81	U	0.81	0.11	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1

Client Sample ID: SB-3(13-15)08192016

Date Collected: 08/19/16 09:55
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-6

Matrix: Solid
Percent Solids: 94.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.81	U	0.81	0.14	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Chlorodibromomethane	0.81	U	0.81	0.12	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Chloroethane	0.81	U	0.81	0.28	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Chloroform	0.81	U	0.81	0.17	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Chloromethane	0.81	U	0.81	0.31	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
cis-1,2-Dichloroethene	0.81	U	0.81	0.18	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
cis-1,3-Dichloropropene	0.81	U	0.81	0.12	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Cyclohexane	0.81	U	0.81	0.37	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Dichlorobromomethane	0.81	U	0.81	0.31	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Dichlorodifluoromethane	0.81	U	0.81	0.26	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Ethylbenzene	0.81	U	0.81	0.15	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Ethylene Dibromide	0.81	U	0.81	0.097	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Isopropylbenzene	0.81	U	0.81	0.14	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Methyl acetate	4.0	U	4.0	0.73	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Methyl tert-butyl ether	0.81	U	0.81	0.14	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Methylcyclohexane	0.81	U	0.81	0.40	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Methylene Chloride	**1.7**		0.81	0.26	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
m-Xylene & p-Xylene	0.81	U	0.81	0.089	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
o-Xylene	0.81	U	0.81	0.13	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Styrene	0.81	U	0.81	0.12	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
TBA	8.1	U	8.1	2.8	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Tetrachloroethene	**0.31**	**J**	0.81	0.23	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Toluene	0.81	U	0.81	0.15	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
trans-1,2-Dichloroethene	0.81	U	0.81	0.31	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
trans-1,3-Dichloropropene	0.81	U	0.81	0.081	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Trichloroethene	0.81	U	0.81	0.21	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Trichlorofluoromethane	0.81	U	0.81	0.27	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1
Vinyl chloride	0.81	U	0.81	0.31	ug/Kg	☼	08/19/16 19:48	08/21/16 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 135*	*08/19/16 19:48*	*08/21/16 16:27*	*1*
4-Bromofluorobenzene	*119*		*67 - 126*	*08/19/16 19:48*	*08/21/16 16:27*	*1*
Dibromofluoromethane (Surr)	*113*		*61 - 149*	*08/19/16 19:48*	*08/21/16 16:27*	*1*
Toluene-d8 (Surr)	*99*		*73 - 121*	*08/19/16 19:48*	*08/21/16 16:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	35	U	35	7.7	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
1,2-Dichlorobenzene	350	U	350	12	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
1,3-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
1,4-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
2,2'-oxybis[1-chloropropane]	350	U	350	14	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
2,4-Dinitrotoluene	71	U	71	14	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
2,6-Dinitrotoluene	71	U	71	19	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
2-Chloronaphthalene	350	U	350	7.9	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
2-Methylnaphthalene	350	U	350	7.7	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
2-Nitroaniline	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1

Client Sample ID: SB-3(13-15)08192016
Date Collected: 08/19/16 09:55
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-6
Matrix: Solid
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	350	U	350	9.0	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
4-Chlorophenyl phenyl ether	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Acenaphthene	350	U	350	8.4	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Acenaphthylene	350	U	350	9.0	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Anthracene	350	U	350	33	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Benzo[a]anthracene	35	U	35	29	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Benzo[a]pyrene	35	U	35	11	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Benzo[b]fluoranthene	35	U	35	14	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Benzo[g,h,i]perylene	350	U	350	20	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Benzo[k]fluoranthene	35	U	35	15	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Bis(2-chloroethyl)ether	35	U	35	8.2	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Bis(2-ethylhexyl) phthalate	**29**	**J**	350	14	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Carbazole	350	U	350	8.6	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Chrysene	350	U	350	9.5	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Dibenz(a,h)anthracene	35	U	35	18	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Dibenzofuran	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Diethyl phthalate	350	U	350	9.9	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Di-n-butyl phthalate	**19**	**J**	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Fluoranthene	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Fluorene	350	U	350	7.6	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Hexachlorobutadiene	71	U	71	9.8	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Indeno[1,2,3-cd]pyrene	35	U	35	23	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Isophorone	140	U	140	7.5	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Naphthalene	350	U	350	8.9	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Phenanthrene	350	U	350	9.3	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1
Pyrene	350	U	350	16	ug/Kg	☼	08/22/16 12:27	08/23/16 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*38 - 95*	*08/22/16 12:27*	*08/23/16 13:27*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 94*	*08/22/16 12:27*	*08/23/16 13:27*	*1*
Terphenyl-d14 (Surr)	*80*		*24 - 109*	*08/22/16 12:27*	*08/23/16 13:27*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1
Aroclor 1221	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1
Aroclor 1232	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1
Aroclor 1242	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1
Aroclor 1248	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1

Client Sample ID: SB-3(13-15)08192016

Lab Sample ID: 460-118926-6

Date Collected: 08/19/16 09:55
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 94.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1
Aroclor 1260	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1
Aroclor 1268	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1
Aroclor-1262	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1
Polychlorinated biphenyls, Total	71	U	71	9.7	ug/Kg	☼	08/22/16 22:55	08/23/16 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*147*		*35 - 150*	*08/22/16 22:55*	*08/23/16 16:54*	*1*
DCB Decachlorobiphenyl	*122*		*35 - 150*	*08/22/16 22:55*	*08/23/16 16:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4700**		33.5	17.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Antimony	3.4	U	3.4	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Arsenic	**1.2**	**J**	2.5	0.82	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Barium	**36.0**		33.5	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Beryllium	0.34	U	0.34	0.28	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Cadmium	0.67	U	0.67	0.35	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Calcium	**1380**		838	49.6	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Chromium	**10.9**		1.7	0.81	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Cobalt	**4.8**	**J**	8.4	0.96	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Copper	**10.3**		4.2	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Iron	**10700**		25.1	18.9	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Lead	1.7	U	1.7	0.66	mg/Kg	☼	08/20/16 18:17	08/21/16 22:57	4
Magnesium	**2420**		838	41.8	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Manganese	**219**		2.5	0.88	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Nickel	**14.0**		6.7	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Potassium	**928**		838	25.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Selenium	3.4	U	3.4	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Silver	1.7	U	1.7	0.30	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Sodium	**79.7**	**J**	838	56.7	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Thallium	3.4	U	3.4	1.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Vanadium	**15.2**		8.4	0.84	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4
Zinc	**29.4**		5.0	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:31	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.012	mg/Kg	☼	08/22/16 04:51	08/22/16 09:46	1

Client Sample ID: SB-X08192016

Lab Sample ID: 460-118926-7

Date Collected: 08/19/16 00:00
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.86	U	0.86	0.33	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,1,2,2-Tetrachloroethane	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.86	U	0.86	0.38	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,1,2-Trichloroethane	0.86	U	0.86	0.24	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,1-Dichloroethane	0.86	U	0.86	0.29	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1

Client Sample ID: SB-X08192016

Date Collected: 08/19/16 00:00
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-7

Matrix: Solid
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.86	U	0.86	0.35	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,2,3-Trichlorobenzene	0.86	U	0.86	0.095	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,2,4-Trichlorobenzene	0.86	U	0.86	0.28	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,2-Dibromo-3-Chloropropane	0.86	U	0.86	0.40	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,2-Dichlorobenzene	0.86	U	0.86	0.12	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,2-Dichloroethane	0.86	U	0.86	0.095	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,2-Dichloropropane	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,3-Dichlorobenzene	0.86	U	0.86	0.10	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,4-Dichlorobenzene	0.86	U	0.86	0.11	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
1,4-Dioxane	17	U	17	5.5	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
2-Butanone (MEK)	4.3	U	4.3	0.66	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
2-Hexanone	4.3	U	4.3	0.81	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
4-Methyl-2-pentanone (MIBK)	4.3	U	4.3	1.9	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Acetone	**13**		4.3	0.91	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Acetonitrile	8.6	U	8.6	3.5	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Acrolein	86	U	86	13	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Benzene	0.86	U	0.86	0.17	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Bromoform	0.86	U *	0.86	0.11	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Bromomethane	0.86	U	0.86	0.28	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Carbon disulfide	0.86	U	0.86	0.37	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Carbon tetrachloride	0.86	U	0.86	0.37	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Chlorobenzene	0.86	U	0.86	0.12	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Chlorobromomethane	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Chlorodibromomethane	0.86	U	0.86	0.13	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Chloroethane	0.86	U	0.86	0.30	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Chloroform	0.86	U	0.86	0.18	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Chloromethane	0.86	U	0.86	0.33	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
cis-1,2-Dichloroethene	0.86	U	0.86	0.19	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
cis-1,3-Dichloropropene	0.86	U	0.86	0.13	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Cyclohexane	0.86	U	0.86	0.40	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Dichlorobromomethane	0.86	U	0.86	0.33	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Dichlorodifluoromethane	0.86	U	0.86	0.28	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Ethylbenzene	0.86	U	0.86	0.16	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Ethylene Dibromide	0.86	U	0.86	0.10	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Isopropylbenzene	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Methyl acetate	4.3	U	4.3	0.78	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Methyl tert-butyl ether	0.86	U	0.86	0.15	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Methylcyclohexane	0.86	U	0.86	0.43	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Methylene Chloride	**0.70**	**J**	0.86	0.28	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
m-Xylene & p-Xylene	0.86	U	0.86	0.095	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
o-Xylene	0.86	U	0.86	0.14	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Styrene	0.86	U	0.86	0.13	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
TBA	8.6	U	8.6	3.0	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Tetrachloroethene	0.86	U	0.86	0.24	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Toluene	0.86	U	0.86	0.16	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
trans-1,2-Dichloroethene	0.86	U	0.86	0.34	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
trans-1,3-Dichloropropene	0.86	U	0.86	0.086	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Trichloroethene	**3.8**		0.86	0.22	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1
Trichlorofluoromethane	0.86	U	0.86	0.29	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1

Client Sample ID: SB-X08192016
Date Collected: 08/19/16 00:00
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-7
Matrix: Solid
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.86	U	0.86	0.34	ug/Kg	☼	08/19/16 19:49	08/21/16 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*78 - 135*	*08/19/16 19:49*	*08/21/16 16:53*	*1*
4-Bromofluorobenzene	*116*		*67 - 126*	*08/19/16 19:49*	*08/21/16 16:53*	*1*
Dibromofluoromethane (Surr)	*113*		*61 - 149*	*08/19/16 19:49*	*08/21/16 16:53*	*1*
Toluene-d8 (Surr)	*98*		*73 - 121*	*08/19/16 19:49*	*08/21/16 16:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	35	U	35	7.7	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
1,2-Dichlorobenzene	350	U	350	12	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
1,3-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
1,4-Dichlorobenzene	350	U	350	27	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
2,2'-oxybis[1-chloropropane]	350	U	350	14	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
2,4-Dinitrotoluene	71	U	71	14	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
2,6-Dinitrotoluene	71	U	71	19	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
2-Chloronaphthalene	350	U	350	8.0	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
2-Methylnaphthalene	**12**	**J**	350	7.7	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
2-Nitroaniline	350	U	350	12	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
4-Chloroaniline	350	U	350	9.0	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
4-Chlorophenyl phenyl ether	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Acenaphthene	**27**	**J**	350	8.5	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Acenaphthylene	**18**	**J**	350	9.0	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Anthracene	**100**	**J**	350	33	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Benzo[a]anthracene	**780**		35	29	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Benzo[a]pyrene	**780**		35	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Benzo[b]fluoranthene	**1100**		35	14	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Benzo[g,h,i]perylene	**620**		350	20	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Benzo[k]fluoranthene	**430**		35	15	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Bis(2-chloroethyl)ether	35	U	35	8.3	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Bis(2-ethylhexyl) phthalate	**45**	**J**	350	14	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Carbazole	**46**	**J**	350	8.7	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Chrysene	**820**		350	9.5	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Dibenz(a,h)anthracene	**140**		35	18	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Dibenzofuran	**15**	**J**	350	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Diethyl phthalate	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Di-n-butyl phthalate	**20**	**J**	350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Fluoranthene	**1300**		350	10	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Fluorene	**26**	**J**	350	7.6	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Hexachlorobutadiene	71	U	71	9.9	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1

Client Sample ID: SB-X08192016
Date Collected: 08/19/16 00:00
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-7
Matrix: Solid
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Indeno[1,2,3-cd]pyrene	**640**		35	23	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Isophorone	140	U	140	7.5	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Naphthalene	**19**	**J**	350	8.9	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Phenanthrene	**420**		350	9.3	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1
Pyrene	**1300**		350	16	ug/Kg	☼	08/22/16 12:27	08/23/16 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*38 - 95*	*08/22/16 12:27*	*08/23/16 17:41*	*1*
Nitrobenzene-d5 (Surr)	*70*		*37 - 94*	*08/22/16 12:27*	*08/23/16 17:41*	*1*
Terphenyl-d14 (Surr)	*83*		*24 - 109*	*08/22/16 12:27*	*08/23/16 17:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Aroclor 1221	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Aroclor 1232	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Aroclor 1242	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Aroclor 1248	71	U	71	9.4	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Aroclor 1254	71	U	71	9.8	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Aroclor 1260	71	U	71	9.8	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Aroclor 1268	71	U	71	9.8	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Aroclor-1262	71	U	71	9.8	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1
Polychlorinated biphenyls, Total	71	U	71	9.8	ug/Kg	☼	08/22/16 22:55	08/23/16 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*145*		*35 - 150*	*08/22/16 22:55*	*08/23/16 17:10*	*1*
DCB Decachlorobiphenyl	*113*		*35 - 150*	*08/22/16 22:55*	*08/23/16 17:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9140**		31.9	16.5	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Antimony	3.2	U	3.2	1.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Arsenic	**3.8**		2.4	0.79	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Barium	**78.9**		31.9	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Beryllium	**0.38**		0.32	0.27	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Cadmium	0.64	U	0.64	0.33	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Calcium	**7260**		799	47.3	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Chromium	**22.7**		1.6	0.77	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Cobalt	**9.2**		8.0	0.92	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Copper	**22.9**		4.0	1.0	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Iron	**19200**		24.0	18.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Lead	**1350**		1.6	0.63	mg/Kg	☼	08/20/16 18:17	08/21/16 22:46	4
Magnesium	**4790**		799	39.9	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Manganese	**487**		2.4	0.84	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Nickel	**21.8**		6.4	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4

Client Sample ID: SB-X08192016

Date Collected: 08/19/16 00:00
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-7

Matrix: Solid
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**2150**		799	24.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Selenium	3.2	U	3.2	1.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Silver	1.6	U	1.6	0.28	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Sodium	**130**	**J**	799	54.1	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Thallium	3.2	U	3.2	1.4	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Vanadium	**26.1**		8.0	0.80	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4
Zinc	**74.4**		4.8	1.2	mg/Kg	☼	08/20/16 18:17	08/21/16 18:35	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.018	0.013	mg/Kg	☼	08/22/16 04:51	08/22/16 09:48	1

Client Sample ID: FB08192016

Date Collected: 08/19/16 10:15
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-8

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			08/22/16 12:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			08/22/16 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34	ug/L			08/22/16 12:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			08/22/16 12:00	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			08/22/16 12:00	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			08/22/16 12:00	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			08/22/16 12:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			08/22/16 12:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			08/22/16 12:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			08/22/16 12:00	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			08/22/16 12:00	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			08/22/16 12:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/22/16 12:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/22/16 12:00	1
1,4-Dioxane	50	U	50	8.7	ug/L			08/22/16 12:00	1
2-Butanone (MEK)	5.0	U	5.0	2.2	ug/L			08/22/16 12:00	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			08/22/16 12:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63	ug/L			08/22/16 12:00	1
Acetone	5.0	U	5.0	1.1	ug/L			08/22/16 12:00	1
Benzene	1.0	U	1.0	0.090	ug/L			08/22/16 12:00	1
Bromoform	1.0	U	1.0	0.18	ug/L			08/22/16 12:00	1
Bromomethane	1.0	U	1.0	0.18	ug/L			08/22/16 12:00	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			08/22/16 12:00	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			08/22/16 12:00	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			08/22/16 12:00	1
Chlorobromomethane	1.0	U	1.0	0.30	ug/L			08/22/16 12:00	1
Chlorodibromomethane	1.0	U	1.0	0.22	ug/L			08/22/16 12:00	1
Chloroethane	1.0	U	1.0	0.37	ug/L			08/22/16 12:00	1
Chloroform	1.0	U	1.0	0.22	ug/L			08/22/16 12:00	1
Chloromethane	1.0	U	1.0	0.22	ug/L			08/22/16 12:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/22/16 12:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			08/22/16 12:00	1

Client Sample ID: FB08192016

Date Collected: 08/19/16 10:15
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-8

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1.0	U	1.0	0.26	ug/L			08/22/16 12:00	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			08/22/16 12:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			08/22/16 12:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/22/16 12:00	1
Ethylene Dibromide	1.0	U	1.0	0.19	ug/L			08/22/16 12:00	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			08/22/16 12:00	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			08/22/16 12:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.13	ug/L			08/22/16 12:00	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			08/22/16 12:00	1
Methylene Chloride	**0.60**	**J**	1.0	0.21	ug/L			08/22/16 12:00	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			08/22/16 12:00	1
o-Xylene	1.0	U	1.0	0.32	ug/L			08/22/16 12:00	1
Styrene	1.0	U	1.0	0.17	ug/L			08/22/16 12:00	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			08/22/16 12:00	1
Toluene	1.0	U	1.0	0.25	ug/L			08/22/16 12:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			08/22/16 12:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			08/22/16 12:00	1
Trichloroethene	1.0	U	1.0	0.22	ug/L			08/22/16 12:00	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			08/22/16 12:00	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			08/22/16 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*74 - 132*		*08/22/16 12:00*	*1*
4-Bromofluorobenzene	*117*		*77 - 124*		*08/22/16 12:00*	*1*
Dibromofluoromethane (Surr)	*95*		*72 - 131*		*08/22/16 12:00*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/22/16 12:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.1	U	1.1	0.66	ug/L		08/20/16 13:50	08/24/16 12:26	1
1,2-Dichlorobenzene	11	U	11	0.90	ug/L		08/20/16 13:50	08/24/16 12:26	1
1,3-Dichlorobenzene	11	U	11	1.2	ug/L		08/20/16 13:50	08/24/16 12:26	1
1,4-Dichlorobenzene	11	U	11	0.72	ug/L		08/20/16 13:50	08/24/16 12:26	1
2,2'-oxybis[1-chloropropane]	11	U	11	1.0	ug/L		08/20/16 13:50	08/24/16 12:26	1
2,4-Dinitrotoluene	2.2	U	2.2	1.1	ug/L		08/20/16 13:50	08/24/16 12:26	1
2,6-Dinitrotoluene	2.2	U	2.2	0.96	ug/L		08/20/16 13:50	08/24/16 12:26	1
2-Chloronaphthalene	11	U	11	0.66	ug/L		08/20/16 13:50	08/24/16 12:26	1
2-Methylnaphthalene	11	U	11	0.96	ug/L		08/20/16 13:50	08/24/16 12:26	1
2-Nitroaniline	11	U	11	0.71	ug/L		08/20/16 13:50	08/24/16 12:26	1
3,3'-Dichlorobenzidine	11	U	11	1.1	ug/L		08/20/16 13:50	08/24/16 12:26	1
3-Nitroaniline	11	U	11	0.89	ug/L		08/20/16 13:50	08/24/16 12:26	1
4-Bromophenyl phenyl ether	11	U	11	1.1	ug/L		08/20/16 13:50	08/24/16 12:26	1
4-Chloroaniline	11	U	11	0.79	ug/L		08/20/16 13:50	08/24/16 12:26	1
4-Chlorophenyl phenyl ether	11	U	11	1.0	ug/L		08/20/16 13:50	08/24/16 12:26	1
4-Nitroaniline	11	U	11	0.52	ug/L		08/20/16 13:50	08/24/16 12:26	1
Acenaphthene	11	U	11	0.96	ug/L		08/20/16 13:50	08/24/16 12:26	1
Acenaphthylene	11	U	11	0.71	ug/L		08/20/16 13:50	08/24/16 12:26	1
Anthracene	11	U	11	0.62	ug/L		08/20/16 13:50	08/24/16 12:26	1
Benzo[a]anthracene	1.1	U	1.1	0.60	ug/L		08/20/16 13:50	08/24/16 12:26	1
Benzo[a]pyrene	1.1	U	1.1	0.17	ug/L		08/20/16 13:50	08/24/16 12:26	1

Client Sample ID: FB08192016

Date Collected: 08/19/16 10:15
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	1.1	U	1.1	0.48	ug/L		08/20/16 13:50	08/24/16 12:26	1
Benzo[g,h,i]perylene	11	U	11	0.82	ug/L		08/20/16 13:50	08/24/16 12:26	1
Benzo[k]fluoranthene	1.1	U	1.1	0.20	ug/L		08/20/16 13:50	08/24/16 12:26	1
Bis(2-chloroethoxy)methane	11	U	11	0.75	ug/L		08/20/16 13:50	08/24/16 12:26	1
Bis(2-chloroethyl)ether	1.1	U	1.1	0.13	ug/L		08/20/16 13:50	08/24/16 12:26	1
Bis(2-ethylhexyl) phthalate	2.2	U	2.2	0.78	ug/L		08/20/16 13:50	08/24/16 12:26	1
Butyl benzyl phthalate	11	U	11	0.65	ug/L		08/20/16 13:50	08/24/16 12:26	1
Carbazole	11	U	11	0.92	ug/L		08/20/16 13:50	08/24/16 12:26	1
Chrysene	2.2	U	2.2	0.73	ug/L		08/20/16 13:50	08/24/16 12:26	1
Dibenz(a,h)anthracene	1.1	U	1.1	0.098	ug/L		08/20/16 13:50	08/24/16 12:26	1
Dibenzofuran	11	U	11	0.92	ug/L		08/20/16 13:50	08/24/16 12:26	1
Diethyl phthalate	11	U	11	1.1	ug/L		08/20/16 13:50	08/24/16 12:26	1
Dimethyl phthalate	11	U	11	1.1	ug/L		08/20/16 13:50	08/24/16 12:26	1
Di-n-butyl phthalate	11	U	11	0.89	ug/L		08/20/16 13:50	08/24/16 12:26	1
Di-n-octyl phthalate	11	U	11	0.75	ug/L		08/20/16 13:50	08/24/16 12:26	1
Fluoranthene	11	U	11	0.78	ug/L		08/20/16 13:50	08/24/16 12:26	1
Fluorene	11	U	11	0.87	ug/L		08/20/16 13:50	08/24/16 12:26	1
Hexachlorobenzene	1.1	U	1.1	0.51	ug/L		08/20/16 13:50	08/24/16 12:26	1
Hexachlorobutadiene	1.1	U	1.1	0.83	ug/L		08/20/16 13:50	08/24/16 12:26	1
Hexachlorocyclopentadiene	11	U	11	0.66	ug/L		08/20/16 13:50	08/24/16 12:26	1
Hexachloroethane	1.1	U *	1.1	0.098	ug/L		08/20/16 13:50	08/24/16 12:26	1
Indeno[1,2,3-cd]pyrene	1.1	U	1.1	0.23	ug/L		08/20/16 13:50	08/24/16 12:26	1
Isophorone	11	U	11	0.73	ug/L		08/20/16 13:50	08/24/16 12:26	1
Naphthalene	11	U	11	0.87	ug/L		08/20/16 13:50	08/24/16 12:26	1
Nitrobenzene	1.1	U	1.1	0.53	ug/L		08/20/16 13:50	08/24/16 12:26	1
N-Nitrosodi-n-propylamine	1.1	U	1.1	0.90	ug/L		08/20/16 13:50	08/24/16 12:26	1
N-Nitrosodiphenylamine	11	U	11	0.80	ug/L		08/20/16 13:50	08/24/16 12:26	1
Phenanthrene	11	U	11	0.71	ug/L		08/20/16 13:50	08/24/16 12:26	1
Pyrene	11	U	11	0.90	ug/L		08/20/16 13:50	08/24/16 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*45 - 107*	*08/20/16 13:50*	*08/24/16 12:26*	*1*
Nitrobenzene-d5 (Surr)	*88*		*51 - 108*	*08/20/16 13:50*	*08/24/16 12:26*	*1*
Terphenyl-d14 (Surr)	*106*		*40 - 148*	*08/20/16 13:50*	*08/24/16 12:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 11:09	1
Aroclor 1221	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 11:09	1
Aroclor 1232	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 11:09	1
Aroclor 1242	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 11:09	1
Aroclor 1248	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 11:09	1
Aroclor 1254	0.40	U	0.40	0.084	ug/L		08/22/16 19:33	08/23/16 11:09	1
Aroclor 1260	0.40	U	0.40	0.084	ug/L		08/22/16 19:33	08/23/16 11:09	1
Aroclor 1268	0.40	U	0.40	0.084	ug/L		08/22/16 19:33	08/23/16 11:09	1
Aroclor-1262	0.40	U	0.40	0.084	ug/L		08/22/16 19:33	08/23/16 11:09	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*10 - 150*	*08/22/16 19:33*	*08/23/16 11:09*	*1*

Client Sample ID: FB08192016

Date Collected: 08/19/16 10:15
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-8

Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*08/22/16 19:33*	*08/23/16 11:09*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	200	U	200	69.5	ug/L		08/23/16 08:20	08/24/16 17:07	1
Antimony	20.0	U	20.0	4.7	ug/L		08/23/16 08:20	08/24/16 17:07	1
Arsenic	15.0	U	15.0	4.4	ug/L		08/23/16 08:20	08/24/16 17:07	1
Barium	200	U	200	5.5	ug/L		08/23/16 08:20	08/24/16 17:07	1
Beryllium	2.0	U	2.0	1.8	ug/L		08/23/16 08:20	08/24/16 17:07	1
Cadmium	4.0	U	4.0	2.3	ug/L		08/23/16 08:20	08/24/16 17:07	1
Calcium	5000	U	5000	317	ug/L		08/23/16 08:20	08/24/16 17:07	1
Chromium	10.0	U	10.0	4.5	ug/L		08/23/16 08:20	08/24/16 17:07	1
Cobalt	50.0	U	50.0	5.1	ug/L		08/23/16 08:20	08/24/16 17:07	1
Copper	25.0	U	25.0	5.0	ug/L		08/23/16 08:20	08/24/16 17:07	1
Iron	150	U	150	65.4	ug/L		08/23/16 08:20	08/24/16 17:07	1
Lead	10.0	U	10.0	4.2	ug/L		08/23/16 08:20	08/24/16 17:07	1
Magnesium	5000	U	5000	260	ug/L		08/23/16 08:20	08/24/16 17:07	1
Manganese	15.0	U	15.0	4.9	ug/L		08/23/16 08:20	08/24/16 17:07	1
Nickel	40.0	U	40.0	5.4	ug/L		08/23/16 08:20	08/24/16 17:07	1
Potassium	5000	U	5000	122	ug/L		08/23/16 08:20	08/24/16 17:07	1
Selenium	20.0	U	20.0	6.8	ug/L		08/23/16 08:20	08/24/16 17:07	1
Silver	10.0	U	10.0	1.9	ug/L		08/23/16 08:20	08/24/16 17:07	1
Sodium	5000	U	5000	315	ug/L		08/23/16 08:20	08/24/16 17:07	1
Thallium	20.0	U	20.0	4.5	ug/L		08/23/16 08:20	08/24/16 17:07	1
Vanadium	50.0	U	50.0	4.4	ug/L		08/23/16 08:20	08/24/16 17:07	1
Zinc	30.0	U	30.0	5.9	ug/L		08/23/16 08:20	08/24/16 17:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.14	ug/L		08/24/16 11:57	08/24/16 14:06	1

Client Sample ID: TB08192016

Date Collected: 08/19/16 10:15
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			08/22/16 13:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			08/22/16 13:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34	ug/L			08/22/16 13:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			08/22/16 13:18	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			08/22/16 13:18	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			08/22/16 13:18	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			08/22/16 13:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			08/22/16 13:18	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			08/22/16 13:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			08/22/16 13:18	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			08/22/16 13:18	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			08/22/16 13:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/22/16 13:18	1

Client Sample ID: TB08192016

Date Collected: 08/19/16 10:15
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/22/16 13:18	1
1,4-Dioxane	50	U	50	8.7	ug/L			08/22/16 13:18	1
2-Butanone (MEK)	5.0	U	5.0	2.2	ug/L			08/22/16 13:18	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			08/22/16 13:18	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63	ug/L			08/22/16 13:18	1
Acetone	5.0	U	5.0	1.1	ug/L			08/22/16 13:18	1
Benzene	1.0	U	1.0	0.090	ug/L			08/22/16 13:18	1
Bromoform	1.0	U	1.0	0.18	ug/L			08/22/16 13:18	1
Bromomethane	1.0	U	1.0	0.18	ug/L			08/22/16 13:18	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			08/22/16 13:18	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			08/22/16 13:18	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			08/22/16 13:18	1
Chlorobromomethane	1.0	U	1.0	0.30	ug/L			08/22/16 13:18	1
Chlorodibromomethane	1.0	U	1.0	0.22	ug/L			08/22/16 13:18	1
Chloroethane	1.0	U	1.0	0.37	ug/L			08/22/16 13:18	1
Chloroform	1.0	U	1.0	0.22	ug/L			08/22/16 13:18	1
Chloromethane	1.0	U	1.0	0.22	ug/L			08/22/16 13:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/22/16 13:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			08/22/16 13:18	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			08/22/16 13:18	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			08/22/16 13:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			08/22/16 13:18	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/22/16 13:18	1
Ethylene Dibromide	1.0	U	1.0	0.19	ug/L			08/22/16 13:18	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			08/22/16 13:18	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			08/22/16 13:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.13	ug/L			08/22/16 13:18	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			08/22/16 13:18	1
Methylene Chloride	**1.0**		1.0	0.21	ug/L			08/22/16 13:18	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			08/22/16 13:18	1
o-Xylene	1.0	U	1.0	0.32	ug/L			08/22/16 13:18	1
Styrene	1.0	U	1.0	0.17	ug/L			08/22/16 13:18	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			08/22/16 13:18	1
Toluene	1.0	U	1.0	0.25	ug/L			08/22/16 13:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			08/22/16 13:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			08/22/16 13:18	1
Trichloroethene	1.0	U	1.0	0.22	ug/L			08/22/16 13:18	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			08/22/16 13:18	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			08/22/16 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*74 - 132*		*08/22/16 13:18*	*1*
4-Bromofluorobenzene	*114*		*77 - 124*		*08/22/16 13:18*	*1*
Dibromofluoromethane (Surr)	*97*		*72 - 131*		*08/22/16 13:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/22/16 13:18*	*1*

Surrogate Summary

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-135)	(67-126)	(61-149)	(73-121)
460-118857-1	SB-10 (2-4) 08182016	104	89	59 *	97
460-118857-2	SB-10 (13-15) 08182016	92	77	86	89
460-118857-3	SB-9 (2-4) 08182016	112	91	95	100
460-118857-4	SB-9 (12-14) 08182016	108	87	97	103
460-118857-5	SB-8 (2-4) 08182016	97	80	91	93
460-118857-5 MS	SB-8 (2-4) 08182016	98	94	94	100
460-118857-5 MSD	SB-8 (2-4) 08182016	98	83	93	94
460-118857-6	SB-8 (13-15) 08182016	99	84	93	95
460-118857-7	SB-4 (3-5) 08182016	107	91	97	101
460-118857-8	SB-4 (11-13) 08182016	100	89	90	96
460-118857-9	SB-6 (2-4) 08182016	105	84	93	96
460-118857-10	SB-6 (13-15) 08182016	101	81	89	92
460-118857-11	SB-5 (2-4) 08182016	115	92	102	105
460-118857-12	SB-5 (13-15) 08182016	105	83	94	97
460-118857-13	SB-7 (2-4) 08182016	101	79	91	92
460-118857-14	SB-7 (13-15) 08182016	110	88	98	101
460-118926-1	SB-1(2-4)-08192016	98	114	109	96
460-118926-2	SB-1(12-14)-08192016	99	118	115	98
460-118926-3	SB-2(2-4)08192016	100	117	113	99
460-118926-4	SB-2(10-12)08192016	101	119	111	101
460-118926-5	SB-3(2-4)08192016	102	118	115	100
460-118926-6	SB-3(13-15)08192016	99	119	113	99
460-118926-7	SB-X08192016	100	116	113	98
LCS 460-385947/3	Lab Control Sample	95	115	109	100
LCS 460-385950/3	Lab Control Sample	99	82	92	96
LCS 460-386039/4	Lab Control Sample	95	81	92	94
LCS 460-386262/4	Lab Control Sample	97	83	94	94
LCSD 460-385947/4	Lab Control Sample Dup	94	115	109	100
LCSD 460-385950/4	Lab Control Sample Dup	102	83	94	97
LCSD 460-386262/5	Lab Control Sample Dup	97	84	93	94
MB 460-385947/7	Method Blank	93	117	110	100
MB 460-385950/7	Method Blank	98	82	91	96
MB 460-386039/8	Method Blank	91	76	85	90
MB 460-386262/8	Method Blank	104	86	95	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
460-118805-A-9 MS	Matrix Spike	95	98	95	99
460-118805-A-9 MSD	Matrix Spike Duplicate	93	98	93	99

Surrogate Summary

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-118857-15	TB 08182016	96	99	96	99
460-118926-8	FB08192016	80	117	95	96
460-118926-9	TB08192016	87	114	97	99
LCS 460-385824/3	Lab Control Sample	98	101	97	100
LCS 460-386008/3	Lab Control Sample	88	110	102	98
LCSD 460-386008/4	Lab Control Sample Dup	89	113	102	101
MB 460-385824/7	Method Blank	94	98	92	99
MB 460-386008/7	Method Blank	85	115	100	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	FBP (38-95)	NBZ (37-94)	TPH (24-109)
460-118857-1	SB-10 (2-4) 08182016	86	74	84
460-118857-2	SB-10 (13-15) 08182016	77	70	82
460-118857-3	SB-9 (2-4) 08182016	83	74	78
460-118857-4	SB-9 (12-14) 08182016	83	73	83
460-118857-5	SB-8 (2-4) 08182016	86	77	90
460-118857-5 MS	SB-8 (2-4) 08182016	87	75	79
460-118857-5 MSD	SB-8 (2-4) 08182016	91	79	82
460-118857-6	SB-8 (13-15) 08182016	78	69	79
460-118857-7	SB-4 (3-5) 08182016	87	80	98
460-118857-8	SB-4 (11-13) 08182016	90	76	76
460-118857-9	SB-6 (2-4) 08182016	84	72	77
460-118857-10	SB-6 (13-15) 08182016	90	81	89
460-118857-11	SB-5 (2-4) 08182016	77	68	73
460-118857-12	SB-5 (13-15) 08182016	88	74	89
460-118857-13	SB-7 (2-4) 08182016	75	69	79
460-118857-14	SB-7 (13-15) 08182016	76	68	79
460-118926-1	SB-1(2-4)-08192016	77	69	80
460-118926-2	SB-1(12-14)-08192016	79	73	87
460-118926-3	SB-2(2-4)08192016	68	61	72
460-118926-4	SB-2(10-12)08192016	70	68	70
460-118926-5	SB-3(2-4)08192016	77	72	72
460-118926-6	SB-3(13-15)08192016	74	69	80
460-118926-7	SB-X08192016	79	70	83
460-118952-F-5-B MSD	Matrix Spike Duplicate	83	76	84
460-118952-G-5-F MS	Matrix Spike	87	78	89
LCS 460-385919/2-A	Lab Control Sample	97 *	87	94
LCS 460-386078/2-A	Lab Control Sample	95	86	97
LCS 460-386078/3-A	Lab Control Sample	81	76	84

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(38-95)	(37-94)	(24-109)
MB 460-385919/1-A	Method Blank	86	83	102
MB 460-386078/1-A	Method Blank	81	78	88

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(45-107)	(51-108)	(40-148)
460-118926-8	FB08192016	80	88	106
LCS 460-385924/2-A	Lab Control Sample	77	87	92
LCSD 460-385924/3-A	Lab Control Sample Dup	81	84	91
MB 460-385924/1-A	Method Blank	85	96	117

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	DCB2
Lab Sample ID	Client Sample ID	(35-150)	(35-150)
460-118857-1	SB-10 (2-4) 08182016	111	101
460-118857-2	SB-10 (13-15) 08182016	101	107
460-118857-3	SB-9 (2-4) 08182016	123	130
460-118857-4	SB-9 (12-14) 08182016	99	109
460-118857-5	SB-8 (2-4) 08182016	124	129
460-118857-5 MS	SB-8 (2-4) 08182016	118	129
460-118857-5 MSD	SB-8 (2-4) 08182016	103	113
460-118857-6	SB-8 (13-15) 08182016	111	116
460-118857-7	SB-4 (3-5) 08182016	118	121
460-118857-8	SB-4 (11-13) 08182016	112	120
460-118857-9	SB-6 (2-4) 08182016	113	123
460-118857-10	SB-6 (13-15) 08182016	103	110
460-118857-11	SB-5 (2-4) 08182016	111	124
460-118857-12	SB-5 (13-15) 08182016	117	126
460-118857-13	SB-7 (2-4) 08182016	120	126
460-118857-14	SB-7 (13-15) 08182016	108	116
460-118926-1	SB-1(2-4)-08192016	124	110
460-118926-2	SB-1(12-14)-08192016	149	125
460-118926-3	SB-2(2-4)08192016	146	149
460-118926-4	SB-2(10-12)08192016	150	116

Surrogate Summary

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (35-150)	DCB2 (35-150)
460-118926-5	SB-3(2-4)08192016	148	118
460-118926-6	SB-3(13-15)08192016	147	122
460-118926-7	SB-X08192016	145	113
460-118952-D-5-C MSD	Matrix Spike Duplicate	131	136
460-118952-E-5-A MS	Matrix Spike	126	149
LCS 460-386173/2-A	Lab Control Sample	107	118
LCS 460-386175/2-A	Lab Control Sample	119	117
MB 460-386173/1-A	Method Blank	117	131
MB 460-386175/1-A	Method Blank	124	116

Surrogate Legend

DCB = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (10-150)	DCB2 (10-150)
460-118778-J-10-C MSD	Matrix Spike Duplicate	158 *	119
460-118778-K-10-A MS	Matrix Spike	138	108
460-118926-8	FB08192016	104	85
LCS 460-386152/2-A	Lab Control Sample	121	116
MB 460-386152/1-A	Method Blank	119	114

Surrogate Legend

DCB = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: 460-118857-5 MS
Matrix: Solid
Analysis Batch: 386039

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.77	U	18.1	18.0		ug/Kg	☼	99	80 - 125
1,1,2,2-Tetrachloroethane	0.77	U	18.1	8.21	*	ug/Kg	☼	45	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	0.77	U *	18.1	17.5		ug/Kg	☼	97	78 - 132
1,1,2-Trichloroethane	0.77	U	18.1	15.9		ug/Kg	☼	88	76 - 124
1,1-Dichloroethane	0.77	U	18.1	18.3		ug/Kg	☼	101	80 - 124
1,1-Dichloroethene	0.77	U	18.1	15.5		ug/Kg	☼	86	79 - 132
1,2,3-Trichlorobenzene	0.77	U	18.1	5.83	*	ug/Kg	☼	32	75 - 123
1,2,4-Trichlorobenzene	0.77	U	18.1	4.78	*	ug/Kg	☼	26	74 - 124
1,2-Dibromo-3-Chloropropane	0.77	U	18.1	15.3		ug/Kg	☼	84	65 - 129
1,2-Dichlorobenzene	0.77	U	18.1	10.7	*	ug/Kg	☼	59	80 - 121
1,2-Dichloroethane	0.77	U	18.1	14.6		ug/Kg	☼	80	68 - 120
1,2-Dichloropropane	0.77	U	18.1	18.4		ug/Kg	☼	101	77 - 124
1,3-Dichlorobenzene	0.77	U	18.1	8.39	*	ug/Kg	☼	46	79 - 124
1,4-Dichlorobenzene	0.77	U	18.1	7.21	*	ug/Kg	☼	40	79 - 121
1,4-Dioxane	15	U	363	498		ug/Kg	☼	137	67 - 150
2-Butanone (MEK)	0.94	J	90.7	82.3		ug/Kg	☼	90	61 - 140
2-Hexanone	3.9	U	90.7	80.3		ug/Kg	☼	89	78 - 120
4-Methyl-2-pentanone (MIBK)	3.9	U	90.7	88.2		ug/Kg	☼	97	80 - 120
Acetone	19		90.7	120		ug/Kg	☼	111	75 - 120
Acetonitrile	7.7	U	181	163		ug/Kg	☼	90	60 - 137
Acrolein	77	U	272	150		ug/Kg	☼	55	11 - 143
Benzene	0.77	U	18.1	16.8		ug/Kg	☼	93	75 - 127
Bromoform	0.77	U	18.1	11.4		ug/Kg	☼	63	19 - 150
Bromomethane	0.77	U	18.1	16.8		ug/Kg	☼	93	59 - 136
Carbon disulfide	0.77	U	18.1	13.1	*	ug/Kg	☼	72	74 - 130
Carbon tetrachloride	0.77	U	18.1	17.0		ug/Kg	☼	94	77 - 138
Chlorobenzene	0.77	U	18.1	11.6	*	ug/Kg	☼	64	80 - 120
Chlorobromomethane	0.77	U	18.1	13.7	*	ug/Kg	☼	76	80 - 125
Chlorodibromomethane	0.77	U	18.1	13.7		ug/Kg	☼	75	67 - 143
Chloroethane	0.77	U	18.1	16.4		ug/Kg	☼	90	50 - 139
Chloroform	0.77	U	18.1	16.5		ug/Kg	☼	91	80 - 122
Chloromethane	0.77	U	18.1	19.5		ug/Kg	☼	107	66 - 128
cis-1,2-Dichloroethene	0.77	U	18.1	13.3	*	ug/Kg	☼	74	80 - 123
cis-1,3-Dichloropropene	0.77	U	18.1	12.6	*	ug/Kg	☼	69	75 - 124
Cyclohexane	0.77	U	18.1	18.7		ug/Kg	☼	103	67 - 135
Dichlorobromomethane	0.77	U	18.1	14.7		ug/Kg	☼	81	76 - 129
Dichlorodifluoromethane	0.77	U	18.1	18.0		ug/Kg	☼	99	72 - 127
Ethylbenzene	0.77	U	18.1	13.4	*	ug/Kg	☼	74	79 - 124
Ethylene Dibromide	0.77	U	18.1	11.5	*	ug/Kg	☼	63	80 - 122
Isopropylbenzene	0.77	U	18.1	15.5		ug/Kg	☼	85	80 - 125
Methyl acetate	3.9	U	90.7	82.0		ug/Kg	☼	90	73 - 123
Methyl tert-butyl ether	0.77	U	18.1	19.2		ug/Kg	☼	106	80 - 120
Methylcyclohexane	0.77	U	18.1	17.4		ug/Kg	☼	96	71 - 137
Methylene Chloride	1.6		18.1	15.9		ug/Kg	☼	79	79 - 128
m-Xylene & p-Xylene	0.77	U	18.1	12.9	*	ug/Kg	☼	71	79 - 121
o-Xylene	0.77	U	18.1	15.8		ug/Kg	☼	87	79 - 123
Styrene	0.77	U	18.1	10.6	*	ug/Kg	☼	58	78 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-118857-5 MS
Matrix: Solid
Analysis Batch: 386039

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
TBA	7.7	U	181	182		ug/Kg	☼	101	71 - 120
Tetrachloroethene	0.77	U	18.1	11.4	*	ug/Kg	☼	63	73 - 130
Toluene	0.77	U	18.1	13.9		ug/Kg	☼	77	75 - 122
trans-1,2-Dichloroethene	0.77	U	18.1	12.2	*	ug/Kg	☼	67	80 - 129
trans-1,3-Dichloropropene	0.77	U	18.1	9.52	*	ug/Kg	☼	52	72 - 121
Trichloroethene	0.77	U	18.1	17.8		ug/Kg	☼	98	79 - 122
Trichlorofluoromethane	0.77	U	18.1	16.6		ug/Kg	☼	92	68 - 136
Vinyl chloride	0.77	U	18.1	17.0		ug/Kg	☼	94	70 - 134

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 135*
4-Bromofluorobenzene	*94*		*67 - 126*
Dibromofluoromethane (Surr)	*94*		*61 - 149*
Toluene-d8 (Surr)	*100*		*73 - 121*

Lab Sample ID: 460-118857-5 MSD
Matrix: Solid
Analysis Batch: 386039

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.77	U	17.6	14.6		ug/Kg	☼	83	80 - 125	21	30
1,1,2,2-Tetrachloroethane	0.77	U	17.6	13.4	*	ug/Kg	☼	76	72 - 131	48	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.77	U *	17.6	14.8		ug/Kg	☼	84	78 - 132	17	30
1,1,2-Trichloroethane	0.77	U	17.6	13.6		ug/Kg	☼	77	76 - 124	16	30
1,1-Dichloroethane	0.77	U	17.6	15.3		ug/Kg	☼	87	80 - 124	18	30
1,1-Dichloroethene	0.77	U	17.6	14.6		ug/Kg	☼	83	79 - 132	6	30
1,2,3-Trichlorobenzene	0.77	U	17.6	6.88	*	ug/Kg	☼	39	75 - 123	16	30
1,2,4-Trichlorobenzene	0.77	U	17.6	6.86	*	ug/Kg	☼	39	74 - 124	36	30
1,2-Dibromo-3-Chloropropane	0.77	U	17.6	11.8		ug/Kg	☼	67	65 - 129	26	30
1,2-Dichlorobenzene	0.77	U	17.6	10.6	*	ug/Kg	☼	60	80 - 121	1	30
1,2-Dichloroethane	0.77	U	17.6	14.0		ug/Kg	☼	79	68 - 120	4	30
1,2-Dichloropropane	0.77	U	17.6	15.6		ug/Kg	☼	89	77 - 124	16	30
1,3-Dichlorobenzene	0.77	U	17.6	10.4	*	ug/Kg	☼	59	79 - 124	22	30
1,4-Dichlorobenzene	0.77	U	17.6	10.1	*	ug/Kg	☼	57	79 - 121	33	30
1,4-Dioxane	15	U	352	414		ug/Kg	☼	118	67 - 150	18	30
2-Butanone (MEK)	0.94	J	88.0	65.6		ug/Kg	☼	74	61 - 140	23	30
2-Hexanone	3.9	U	88.0	71.5		ug/Kg	☼	81	78 - 120	12	30
4-Methyl-2-pentanone (MIBK)	3.9	U	88.0	71.8		ug/Kg	☼	82	80 - 120	21	30
Acetone	19		88.0	82.5	*	ug/Kg	☼	72	75 - 120	37	30
Acetonitrile	7.7	U	176	125		ug/Kg	☼	71	60 - 137	26	30
Acrolein	77	U	264	190		ug/Kg	☼	72	11 - 143	24	30
Benzene	0.77	U	17.6	13.9		ug/Kg	☼	79	75 - 127	19	30
Bromoform	0.77	U	17.6	10.7		ug/Kg	☼	61	19 - 150	7	30
Bromomethane	0.77	U	17.6	15.1		ug/Kg	☼	86	59 - 136	11	30
Carbon disulfide	0.77	U	17.6	13.0		ug/Kg	☼	74	74 - 130	1	30
Carbon tetrachloride	0.77	U	17.6	13.7		ug/Kg	☼	78	77 - 138	22	30
Chlorobenzene	0.77	U	17.6	12.5	*	ug/Kg	☼	71	80 - 120	8	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-118857-5 MSD
Matrix: Solid
Analysis Batch: 386039

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobromomethane	0.77	U	17.6	12.9	*	ug/Kg	☼	73	80 - 125	6	30
Chlorodibromomethane	0.77	U	17.6	12.3		ug/Kg	☼	70	67 - 143	11	30
Chloroethane	0.77	U	17.6	15.7		ug/Kg	☼	89	50 - 139	5	30
Chloroform	0.77	U	17.6	14.3		ug/Kg	☼	81	80 - 122	14	30
Chloromethane	0.77	U	17.6	16.5		ug/Kg	☼	94	66 - 128	16	30
cis-1,2-Dichloroethene	0.77	U	17.6	13.4	*	ug/Kg	☼	76	80 - 123	0	30
cis-1,3-Dichloropropene	0.77	U	17.6	13.8		ug/Kg	☼	79	75 - 124	10	30
Cyclohexane	0.77	U	17.6	15.3		ug/Kg	☼	87	67 - 135	20	30
Dichlorobromomethane	0.77	U	17.6	13.5		ug/Kg	☼	77	76 - 129	9	30
Dichlorodifluoromethane	0.77	U	17.6	15.1		ug/Kg	☼	86	72 - 127	17	30
Ethylbenzene	0.77	U	17.6	13.1	*	ug/Kg	☼	75	79 - 124	2	30
Ethylene Dibromide	0.77	U	17.6	12.6	*	ug/Kg	☼	72	80 - 122	9	30
Isopropylbenzene	0.77	U	17.6	13.0	*	ug/Kg	☼	74	80 - 125	17	30
Methyl acetate	3.9	U	88.0	91.2		ug/Kg	☼	104	73 - 123	11	30
Methyl tert-butyl ether	0.77	U	17.6	15.3		ug/Kg	☼	87	80 - 120	23	30
Methylcyclohexane	0.77	U	17.6	14.0		ug/Kg	☼	80	71 - 137	21	30
Methylene Chloride	1.6		17.6	14.7	*	ug/Kg	☼	74	79 - 128	8	30
m-Xylene & p-Xylene	0.77	U	17.6	13.1	*	ug/Kg	☼	74	79 - 121	1	30
o-Xylene	0.77	U	17.6	13.7	*	ug/Kg	☼	78	79 - 123	14	30
Styrene	0.77	U	17.6	12.6	*	ug/Kg	☼	72	78 - 123	18	30
TBA	7.7	U	176	148		ug/Kg	☼	84	71 - 120	21	30
Tetrachloroethene	0.77	U	17.6	10.9	*	ug/Kg	☼	62	73 - 130	4	30
Toluene	0.77	U	17.6	12.8	*	ug/Kg	☼	73	75 - 122	8	30
trans-1,2-Dichloroethene	0.77	U	17.6	12.9	*	ug/Kg	☼	73	80 - 129	5	30
trans-1,3-Dichloropropene	0.77	U	17.6	12.6		ug/Kg	☼	72	72 - 121	28	30
Trichloroethene	0.77	U	17.6	12.4	*	ug/Kg	☼	70	79 - 122	36	30
Trichlorofluoromethane	0.77	U	17.6	14.8		ug/Kg	☼	84	68 - 136	12	30
Vinyl chloride	0.77	U	17.6	15.7		ug/Kg	☼	89	70 - 134	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 135*
4-Bromofluorobenzene	*83*		*67 - 126*
Dibromofluoromethane (Surr)	*93*		*61 - 149*
Toluene-d8 (Surr)	*94*		*73 - 121*

Lab Sample ID: MB 460-385824/7
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			08/19/16 23:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			08/19/16 23:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34	ug/L			08/19/16 23:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			08/19/16 23:44	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			08/19/16 23:44	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			08/19/16 23:44	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			08/19/16 23:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			08/19/16 23:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-385824/7
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			08/19/16 23:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			08/19/16 23:44	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			08/19/16 23:44	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			08/19/16 23:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/19/16 23:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/19/16 23:44	1
1,4-Dioxane	50	U	50	8.7	ug/L			08/19/16 23:44	1
2-Butanone (MEK)	5.0	U	5.0	2.2	ug/L			08/19/16 23:44	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			08/19/16 23:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63	ug/L			08/19/16 23:44	1
Acetone	5.0	U	5.0	1.1	ug/L			08/19/16 23:44	1
Benzene	1.0	U	1.0	0.090	ug/L			08/19/16 23:44	1
Bromoform	1.0	U	1.0	0.18	ug/L			08/19/16 23:44	1
Bromomethane	1.0	U	1.0	0.18	ug/L			08/19/16 23:44	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			08/19/16 23:44	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			08/19/16 23:44	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			08/19/16 23:44	1
Chlorobromomethane	1.0	U	1.0	0.30	ug/L			08/19/16 23:44	1
Chlorodibromomethane	1.0	U	1.0	0.22	ug/L			08/19/16 23:44	1
Chloroethane	1.0	U	1.0	0.37	ug/L			08/19/16 23:44	1
Chloroform	1.0	U	1.0	0.22	ug/L			08/19/16 23:44	1
Chloromethane	1.0	U	1.0	0.22	ug/L			08/19/16 23:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/19/16 23:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			08/19/16 23:44	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			08/19/16 23:44	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			08/19/16 23:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			08/19/16 23:44	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/19/16 23:44	1
Ethylene Dibromide	1.0	U	1.0	0.19	ug/L			08/19/16 23:44	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			08/19/16 23:44	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			08/19/16 23:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.13	ug/L			08/19/16 23:44	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			08/19/16 23:44	1
Methylene Chloride	1.0	U	1.0	0.21	ug/L			08/19/16 23:44	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			08/19/16 23:44	1
o-Xylene	1.0	U	1.0	0.32	ug/L			08/19/16 23:44	1
Styrene	1.0	U	1.0	0.17	ug/L			08/19/16 23:44	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			08/19/16 23:44	1
Toluene	1.0	U	1.0	0.25	ug/L			08/19/16 23:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			08/19/16 23:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			08/19/16 23:44	1
Trichloroethene	1.0	U	1.0	0.22	ug/L			08/19/16 23:44	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			08/19/16 23:44	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			08/19/16 23:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*74 - 132*		*08/19/16 23:44*	*1*
4-Bromofluorobenzene	*98*		*77 - 124*		*08/19/16 23:44*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-385824/7
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*92*		*72 - 131*		*08/19/16 23:44*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/19/16 23:44*	*1*

Lab Sample ID: LCS 460-385824/3
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	75 - 125
1,1,2,2-Tetrachloroethane	20.0	22.2		ug/L		111	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.4		ug/L		117	59 - 150
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	78 - 120
1,1-Dichloroethane	20.0	20.7		ug/L		103	77 - 123
1,1-Dichloroethene	20.0	20.2		ug/L		101	74 - 123
1,2,3-Trichlorobenzene	20.0	22.6		ug/L		113	78 - 131
1,2,4-Trichlorobenzene	20.0	21.7		ug/L		108	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	19.2		ug/L		96	55 - 134
1,2-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120
1,2-Dichloroethane	20.0	19.6		ug/L		98	76 - 121
1,2-Dichloropropane	20.0	20.7		ug/L		103	77 - 123
1,3-Dichlorobenzene	20.0	22.0		ug/L		110	80 - 120
1,4-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120
1,4-Dioxane	400	518		ug/L		129	10 - 150
2-Butanone (MEK)	100	95.3		ug/L		95	64 - 120
2-Hexanone	100	96.6		ug/L		97	71 - 125
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	78 - 124
Acetone	100	77.9		ug/L		78	39 - 150
Benzene	20.0	21.1		ug/L		105	77 - 121
Bromoform	20.0	16.3		ug/L		81	53 - 120
Bromomethane	20.0	20.5		ug/L		102	10 - 150
Carbon disulfide	20.0	20.2		ug/L		101	69 - 133
Carbon tetrachloride	20.0	20.6		ug/L		103	70 - 132
Chlorobenzene	20.0	20.6		ug/L		103	80 - 120
Chlorobromomethane	20.0	20.3		ug/L		101	77 - 127
Chlorodibromomethane	20.0	18.2		ug/L		91	73 - 120
Chloroethane	20.0	20.7		ug/L		104	52 - 150
Chloroform	20.0	20.3		ug/L		102	80 - 120
Chloromethane	20.0	19.8		ug/L		99	56 - 131
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 120
cis-1,3-Dichloropropene	20.0	20.7		ug/L		104	77 - 120
Cyclohexane	20.0	20.9		ug/L		105	56 - 150
Dichlorobromomethane	20.0	19.3		ug/L		96	76 - 120
Dichlorodifluoromethane	20.0	18.3		ug/L		92	50 - 131
Ethylbenzene	20.0	20.3		ug/L		101	80 - 120
Ethylene Dibromide	20.0	19.6		ug/L		98	80 - 120
Isopropylbenzene	20.0	21.3		ug/L		107	80 - 123
Methyl acetate	100	107		ug/L		107	66 - 144

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-385824/3
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	20.0	20.1		ug/L		100	79 - 122
Methylcyclohexane	20.0	21.2		ug/L		106	61 - 145
Methylene Chloride	20.0	19.8		ug/L		99	77 - 123
m-Xylene & p-Xylene	20.0	21.2		ug/L		106	80 - 120
o-Xylene	20.0	20.9		ug/L		105	80 - 120
Styrene	20.0	20.7		ug/L		103	80 - 120
Tetrachloroethene	20.0	21.5		ug/L		108	78 - 122
Toluene	20.0	20.8		ug/L		104	80 - 120
trans-1,2-Dichloroethene	20.0	19.9		ug/L		100	79 - 120
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	76 - 120
Trichloroethene	20.0	19.8		ug/L		99	77 - 120
Trichlorofluoromethane	20.0	20.4		ug/L		102	71 - 143
Vinyl chloride	20.0	19.8		ug/L		99	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*
4-Bromofluorobenzene	*101*		*77 - 124*
Dibromofluoromethane (Surr)	*97*		*72 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 460-118805-A-9 MS
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	3.2		400	411		ug/L		102	75 - 125
1,1,2,2-Tetrachloroethane	2.0	U	400	415		ug/L		104	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	400	461		ug/L		115	59 - 150
1,1,2-Trichloroethane	2.0	U	400	390		ug/L		98	78 - 120
1,1-Dichloroethane	2.0	U	400	416		ug/L		104	77 - 123
1,1-Dichloroethene	1.3	J	400	387		ug/L		96	74 - 123
1,2,3-Trichlorobenzene	2.0	U	400	356		ug/L		89	78 - 131
1,2,4-Trichlorobenzene	2.0	U	400	371		ug/L		93	80 - 124
1,2-Dibromo-3-Chloropropane	2.0	U	400	343		ug/L		86	55 - 134
1,2-Dichlorobenzene	2.0	U	400	415		ug/L		104	80 - 120
1,2-Dichloroethane	2.0	U	400	386		ug/L		96	76 - 121
1,2-Dichloropropane	2.0	U	400	414		ug/L		104	77 - 123
1,3-Dichlorobenzene	2.0	U	400	417		ug/L		104	80 - 120
1,4-Dichlorobenzene	2.0	U	400	429		ug/L		107	80 - 120
1,4-Dioxane	100	U	8000	7570		ug/L		95	10 - 150
2-Butanone (MEK)	10	U	2000	1840		ug/L		92	64 - 120
2-Hexanone	10	U	2000	1860		ug/L		93	71 - 125
4-Methyl-2-pentanone (MIBK)	10	U	2000	2010		ug/L		101	78 - 124
Acetone	10	U	2000	1450		ug/L		72	39 - 150
Benzene	2.0	U	400	422		ug/L		106	77 - 121
Bromoform	2.0	U	400	309		ug/L		77	53 - 120
Bromomethane	2.0	U	400	394		ug/L		98	10 - 150

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-118805-A-9 MS
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	2.0	U	400	409		ug/L		102	69 - 133
Carbon tetrachloride	2.0	U	400	413		ug/L		103	70 - 132
Chlorobenzene	2.0	U	400	409		ug/L		102	80 - 120
Chlorobromomethane	2.0	U	400	390		ug/L		98	77 - 127
Chlorodibromomethane	2.0	U	400	351		ug/L		88	73 - 120
Chloroethane	2.0	U	400	402		ug/L		100	52 - 150
Chloroform	2.0	U	400	405		ug/L		101	80 - 120
Chloromethane	2.0	U	400	355		ug/L		89	56 - 131
cis-1,2-Dichloroethene	2.7		400	391		ug/L		97	80 - 120
cis-1,3-Dichloropropene	2.0	U	400	402		ug/L		101	77 - 120
Cyclohexane	2.0	U	400	416		ug/L		104	56 - 150
Dichlorobromomethane	2.0	U	400	376		ug/L		94	76 - 120
Dichlorodifluoromethane	2.0	U	400	341		ug/L		85	50 - 131
Ethylbenzene	2.0	U	400	412		ug/L		103	80 - 120
Ethylene Dibromide	2.0	U	400	377		ug/L		94	80 - 120
Isopropylbenzene	2.0	U	400	414		ug/L		104	80 - 123
Methyl acetate	10	U	2000	2030		ug/L		101	66 - 144
Methyl tert-butyl ether	1.1	J	400	393		ug/L		98	79 - 122
Methylcyclohexane	2.0	U	400	422		ug/L		105	61 - 145
Methylene Chloride	2.0	U	400	393		ug/L		98	77 - 123
m-Xylene & p-Xylene	2.0	U	400	405		ug/L		101	80 - 120
o-Xylene	2.0	U	400	414		ug/L		103	80 - 120
Styrene	2.0	U	400	404		ug/L		101	80 - 120
Tetrachloroethene	540		400	839	*	ug/L		75	78 - 122
Toluene	2.0	U	400	414		ug/L		103	80 - 120
trans-1,2-Dichloroethene	0.61	J	400	402		ug/L		100	79 - 120
trans-1,3-Dichloropropene	2.0	U	400	397		ug/L		99	76 - 120
Trichloroethene	17		400	406		ug/L		97	77 - 120
Trichlorofluoromethane	2.0	U	400	390		ug/L		98	71 - 143
Vinyl chloride	2.0	U	400	386		ug/L		96	62 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*
4-Bromofluorobenzene	*98*		*77 - 124*
Dibromofluoromethane (Surr)	*95*		*72 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 460-118805-A-9 MSD
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	3.2		400	400		ug/L		99	75 - 125	3	30
1,1,2,2-Tetrachloroethane	2.0	U	400	439		ug/L		110	74 - 120	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	400	449		ug/L		112	59 - 150	3	30
1,1,2-Trichloroethane	2.0	U	400	399		ug/L		100	78 - 120	2	30
1,1-Dichloroethane	2.0	U	400	387		ug/L		97	77 - 123	7	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-118805-A-9 MSD
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	1.3	J	400	367		ug/L		91	74 - 123	5	30
1,2,3-Trichlorobenzene	2.0	U	400	420		ug/L		105	78 - 131	17	30
1,2,4-Trichlorobenzene	2.0	U	400	429		ug/L		107	80 - 124	15	30
1,2-Dibromo-3-Chloropropane	2.0	U	400	350		ug/L		88	55 - 134	2	30
1,2-Dichlorobenzene	2.0	U	400	422		ug/L		105	80 - 120	1	30
1,2-Dichloroethane	2.0	U	400	371		ug/L		93	76 - 121	4	30
1,2-Dichloropropane	2.0	U	400	410		ug/L		103	77 - 123	1	30
1,3-Dichlorobenzene	2.0	U	400	433		ug/L		108	80 - 120	4	30
1,4-Dichlorobenzene	2.0	U	400	435		ug/L		109	80 - 120	1	30
1,4-Dioxane	100	U	8000	10300	*	ug/L		129	10 - 150	31	30
2-Butanone (MEK)	10	U	2000	2100		ug/L		105	64 - 120	13	30
2-Hexanone	10	U	2000	2040		ug/L		102	71 - 125	9	30
4-Methyl-2-pentanone (MIBK)	10	U	2000	2140		ug/L		107	78 - 124	6	30
Acetone	10	U	2000	1640		ug/L		82	39 - 150	12	30
Benzene	2.0	U	400	413		ug/L		103	77 - 121	2	30
Bromoform	2.0	U	400	310		ug/L		78	53 - 120	0	30
Bromomethane	2.0	U	400	384		ug/L		96	10 - 150	2	30
Carbon disulfide	2.0	U	400	391		ug/L		98	69 - 133	5	30
Carbon tetrachloride	2.0	U	400	411		ug/L		103	70 - 132	1	30
Chlorobenzene	2.0	U	400	404		ug/L		101	80 - 120	1	30
Chlorobromomethane	2.0	U	400	372		ug/L		93	77 - 127	5	30
Chlorodibromomethane	2.0	U	400	357		ug/L		89	73 - 120	2	30
Chloroethane	2.0	U	400	393		ug/L		98	52 - 150	2	30
Chloroform	2.0	U	400	396		ug/L		99	80 - 120	2	30
Chloromethane	2.0	U	400	351		ug/L		88	56 - 131	1	30
cis-1,2-Dichloroethene	2.7		400	388		ug/L		96	80 - 120	1	30
cis-1,3-Dichloropropene	2.0	U	400	389		ug/L		97	77 - 120	3	30
Cyclohexane	2.0	U	400	413		ug/L		103	56 - 150	1	30
Dichlorobromomethane	2.0	U	400	371		ug/L		93	76 - 120	1	30
Dichlorodifluoromethane	2.0	U	400	353		ug/L		88	50 - 131	4	30
Ethylbenzene	2.0	U	400	413		ug/L		103	80 - 120	0	30
Ethylene Dibromide	2.0	U	400	382		ug/L		95	80 - 120	1	30
Isopropylbenzene	2.0	U	400	427		ug/L		107	80 - 123	3	30
Methyl acetate	10	U	2000	2010		ug/L		101	66 - 144	1	30
Methyl tert-butyl ether	1.1	J	400	381		ug/L		95	79 - 122	3	30
Methylcyclohexane	2.0	U	400	426		ug/L		106	61 - 145	1	30
Methylene Chloride	2.0	U	400	395		ug/L		99	77 - 123	1	30
m-Xylene & p-Xylene	2.0	U	400	399		ug/L		100	80 - 120	2	30
o-Xylene	2.0	U	400	407		ug/L		102	80 - 120	2	30
Styrene	2.0	U	400	414		ug/L		104	80 - 120	3	30
Tetrachloroethene	540		400	804	*	ug/L		67	78 - 122	4	30
Toluene	2.0	U	400	404		ug/L		101	80 - 120	2	30
trans-1,2-Dichloroethene	0.61	J	400	387		ug/L		97	79 - 120	4	30
trans-1,3-Dichloropropene	2.0	U	400	389		ug/L		97	76 - 120	2	30
Trichloroethene	17		400	405		ug/L		97	77 - 120	0	30
Trichlorofluoromethane	2.0	U	400	387		ug/L		97	71 - 143	1	30
Vinyl chloride	2.0	U	400	373		ug/L		93	62 - 138	3	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-118805-A-9 MSD
Matrix: Water
Analysis Batch: 385824

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*74 - 132*
4-Bromofluorobenzene	*98*		*77 - 124*
Dibromofluoromethane (Surr)	*93*		*72 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-385947/7
Matrix: Solid
Analysis Batch: 385947

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.38	ug/Kg			08/21/16 09:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17	ug/Kg			08/21/16 09:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44	ug/Kg			08/21/16 09:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.28	ug/Kg			08/21/16 09:32	1
1,1-Dichloroethane	1.0	U	1.0	0.34	ug/Kg			08/21/16 09:32	1
1,1-Dichloroethene	1.0	U	1.0	0.41	ug/Kg			08/21/16 09:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	ug/Kg			08/21/16 09:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/Kg			08/21/16 09:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47	ug/Kg			08/21/16 09:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/21/16 09:32	1
1,2-Dichloroethane	1.0	U	1.0	0.11	ug/Kg			08/21/16 09:32	1
1,2-Dichloropropane	1.0	U	1.0	0.17	ug/Kg			08/21/16 09:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.12	ug/Kg			08/21/16 09:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/Kg			08/21/16 09:32	1
1,4-Dioxane	20	U	20	6.4	ug/Kg			08/21/16 09:32	1
2-Butanone (MEK)	5.0	U	5.0	0.77	ug/Kg			08/21/16 09:32	1
2-Hexanone	5.0	U	5.0	0.94	ug/Kg			08/21/16 09:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2	ug/Kg			08/21/16 09:32	1
Acetone	5.0	U	5.0	1.1	ug/Kg			08/21/16 09:32	1
Acetonitrile	10	U	10	4.1	ug/Kg			08/21/16 09:32	1
Acrolein	100	U	100	16	ug/Kg			08/21/16 09:32	1
Benzene	1.0	U	1.0	0.20	ug/Kg			08/21/16 09:32	1
Bromoform	1.0	U	1.0	0.13	ug/Kg			08/21/16 09:32	1
Bromomethane	1.0	U	1.0	0.32	ug/Kg			08/21/16 09:32	1
Carbon disulfide	1.0	U	1.0	0.43	ug/Kg			08/21/16 09:32	1
Carbon tetrachloride	1.0	U	1.0	0.43	ug/Kg			08/21/16 09:32	1
Chlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/21/16 09:32	1
Chlorobromomethane	1.0	U	1.0	0.17	ug/Kg			08/21/16 09:32	1
Chlorodibromomethane	1.0	U	1.0	0.15	ug/Kg			08/21/16 09:32	1
Chloroethane	1.0	U	1.0	0.35	ug/Kg			08/21/16 09:32	1
Chloroform	1.0	U	1.0	0.21	ug/Kg			08/21/16 09:32	1
Chloromethane	1.0	U	1.0	0.38	ug/Kg			08/21/16 09:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/Kg			08/21/16 09:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/Kg			08/21/16 09:32	1
Cyclohexane	1.0	U	1.0	0.46	ug/Kg			08/21/16 09:32	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/Kg			08/21/16 09:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.32	ug/Kg			08/21/16 09:32	1
Ethylbenzene	1.0	U	1.0	0.18	ug/Kg			08/21/16 09:32	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-385947/7
Matrix: Solid
Analysis Batch: 385947

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.12	ug/Kg			08/21/16 09:32	1
Isopropylbenzene	1.0	U	1.0	0.17	ug/Kg			08/21/16 09:32	1
Methyl acetate	5.0	U	5.0	0.90	ug/Kg			08/21/16 09:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/Kg			08/21/16 09:32	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			08/21/16 09:32	1
Methylene Chloride	1.0	U	1.0	0.32	ug/Kg			08/21/16 09:32	1
m-Xylene & p-Xylene	1.0	U	1.0	0.11	ug/Kg			08/21/16 09:32	1
o-Xylene	1.0	U	1.0	0.16	ug/Kg			08/21/16 09:32	1
Styrene	1.0	U	1.0	0.15	ug/Kg			08/21/16 09:32	1
TBA	10	U	10	3.5	ug/Kg			08/21/16 09:32	1
Tetrachloroethene	1.0	U	1.0	0.28	ug/Kg			08/21/16 09:32	1
Toluene	1.0	U	1.0	0.19	ug/Kg			08/21/16 09:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.39	ug/Kg			08/21/16 09:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.10	ug/Kg			08/21/16 09:32	1
Trichloroethene	1.0	U	1.0	0.26	ug/Kg			08/21/16 09:32	1
Trichlorofluoromethane	1.0	U	1.0	0.34	ug/Kg			08/21/16 09:32	1
Vinyl chloride	1.0	U	1.0	0.39	ug/Kg			08/21/16 09:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*78 - 135*		*08/21/16 09:32*	*1*
4-Bromofluorobenzene	*117*		*67 - 126*		*08/21/16 09:32*	*1*
Dibromofluoromethane (Surr)	*110*		*61 - 149*		*08/21/16 09:32*	*1*
Toluene-d8 (Surr)	*100*		*73 - 121*		*08/21/16 09:32*	*1*

Lab Sample ID: LCS 460-385947/3
Matrix: Solid
Analysis Batch: 385947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	21.4		ug/Kg		107	80 - 125
1,1,2,2-Tetrachloroethane	20.0	17.2		ug/Kg		86	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.6		ug/Kg		113	78 - 132
1,1,2-Trichloroethane	20.0	18.3		ug/Kg		92	76 - 124
1,1-Dichloroethane	20.0	20.0		ug/Kg		100	80 - 124
1,1-Dichloroethene	20.0	21.5		ug/Kg		108	79 - 132
1,2,3-Trichlorobenzene	20.0	21.9		ug/Kg		109	75 - 123
1,2,4-Trichlorobenzene	20.0	20.0		ug/Kg		100	74 - 124
1,2-Dibromo-3-Chloropropane	20.0	19.0		ug/Kg		95	65 - 129
1,2-Dichlorobenzene	20.0	18.5		ug/Kg		93	80 - 121
1,2-Dichloroethane	20.0	20.3		ug/Kg		102	68 - 120
1,2-Dichloropropane	20.0	19.5		ug/Kg		97	77 - 124
1,3-Dichlorobenzene	20.0	17.9		ug/Kg		90	79 - 124
1,4-Dichlorobenzene	20.0	18.1		ug/Kg		91	79 - 121
1,4-Dioxane	400	354		ug/Kg		88	67 - 150
2-Butanone (MEK)	100	116		ug/Kg		116	61 - 140
2-Hexanone	100	103		ug/Kg		103	78 - 120
4-Methyl-2-pentanone (MIBK)	100	106		ug/Kg		106	80 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-385947/3
Matrix: Solid
Analysis Batch: 385947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	110		ug/Kg		110	75 - 120
Acetonitrile	200	202		ug/Kg		101	60 - 137
Acrolein	300	233		ug/Kg		78	11 - 143
Benzene	20.0	19.6		ug/Kg		98	75 - 127
Bromoform	20.0	29.5		ug/Kg		148	19 - 150
Bromomethane	20.0	22.9		ug/Kg		115	59 - 136
Carbon disulfide	20.0	21.1		ug/Kg		106	74 - 130
Carbon tetrachloride	20.0	25.4		ug/Kg		127	77 - 138
Chlorobenzene	20.0	19.7		ug/Kg		98	80 - 120
Chlorobromomethane	20.0	21.3		ug/Kg		106	80 - 125
Chlorodibromomethane	20.0	24.8		ug/Kg		124	67 - 143
Chloroethane	20.0	21.8		ug/Kg		109	50 - 139
Chloroform	20.0	20.5		ug/Kg		102	80 - 122
Chloromethane	20.0	17.4		ug/Kg		87	66 - 128
cis-1,2-Dichloroethene	20.0	21.1		ug/Kg		106	80 - 123
cis-1,3-Dichloropropene	20.0	18.4		ug/Kg		92	75 - 124
Cyclohexane	20.0	19.9		ug/Kg		100	67 - 135
Dichlorobromomethane	20.0	22.2		ug/Kg		111	76 - 129
Dichlorodifluoromethane	20.0	19.1		ug/Kg		96	72 - 127
Ethylbenzene	20.0	19.2		ug/Kg		96	79 - 124
Ethylene Dibromide	20.0	19.3		ug/Kg		96	80 - 122
Isopropylbenzene	20.0	19.8		ug/Kg		99	80 - 125
Methyl acetate	100	98.9		ug/Kg		99	73 - 123
Methyl tert-butyl ether	20.0	21.0		ug/Kg		105	80 - 120
Methylcyclohexane	20.0	21.3		ug/Kg		107	71 - 137
Methylene Chloride	20.0	21.4		ug/Kg		107	79 - 128
m-Xylene & p-Xylene	20.0	19.1		ug/Kg		95	79 - 121
o-Xylene	20.0	19.5		ug/Kg		97	79 - 123
Styrene	20.0	19.0		ug/Kg		95	78 - 123
TBA	200	191		ug/Kg		95	71 - 120
Tetrachloroethene	20.0	22.3		ug/Kg		111	73 - 130
Toluene	20.0	19.0		ug/Kg		95	75 - 122
trans-1,2-Dichloroethene	20.0	21.0		ug/Kg		105	80 - 129
trans-1,3-Dichloropropene	20.0	17.8		ug/Kg		89	72 - 121
Trichloroethene	20.0	20.8		ug/Kg		104	79 - 122
Trichlorofluoromethane	20.0	18.5		ug/Kg		92	68 - 136
Vinyl chloride	20.0	17.7		ug/Kg		89	70 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 135*
4-Bromofluorobenzene	*115*		*67 - 126*
Dibromofluoromethane (Surr)	*109*		*61 - 149*
Toluene-d8 (Surr)	*100*		*73 - 121*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-385947/4
Matrix: Solid
Analysis Batch: 385947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	21.8		ug/Kg		109	80 - 125	2	30
1,1,2,2-Tetrachloroethane			20.0	16.8		ug/Kg		84	72 - 131	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	21.6		ug/Kg		108	78 - 132	5	30
1,1,2-Trichloroethane			20.0	18.1		ug/Kg		90	76 - 124	1	30
1,1-Dichloroethane			20.0	19.9		ug/Kg		100	80 - 124	0	30
1,1-Dichloroethene			20.0	20.9		ug/Kg		105	79 - 132	3	30
1,2,3-Trichlorobenzene			20.0	21.8		ug/Kg		109	75 - 123	0	30
1,2,4-Trichlorobenzene			20.0	19.4		ug/Kg		97	74 - 124	3	30
1,2-Dibromo-3-Chloropropane			20.0	18.1		ug/Kg		90	65 - 129	5	30
1,2-Dichlorobenzene			20.0	18.1		ug/Kg		91	80 - 121	2	30
1,2-Dichloroethane			20.0	20.4		ug/Kg		102	68 - 120	0	30
1,2-Dichloropropane			20.0	19.5		ug/Kg		98	77 - 124	0	30
1,3-Dichlorobenzene			20.0	17.5		ug/Kg		87	79 - 124	3	30
1,4-Dichlorobenzene			20.0	17.8		ug/Kg		89	79 - 121	1	30
1,4-Dioxane			400	353		ug/Kg		88	67 - 150	0	30
2-Butanone (MEK)			100	112		ug/Kg		112	61 - 140	3	30
2-Hexanone			100	105		ug/Kg		105	78 - 120	2	30
4-Methyl-2-pentanone (MIBK)			100	106		ug/Kg		106	80 - 120	0	30
Acetone			100	112		ug/Kg		112	75 - 120	2	30
Acetonitrile			200	196		ug/Kg		98	60 - 137	3	30
Acrolein			300	220		ug/Kg		73	11 - 143	6	30
Benzene			20.0	19.3		ug/Kg		97	75 - 127	1	30
Bromoform			20.0	30.2	*	ug/Kg		151	19 - 150	2	30
Bromomethane			20.0	22.8		ug/Kg		114	59 - 136	0	30
Carbon disulfide			20.0	20.9		ug/Kg		105	74 - 130	1	30
Carbon tetrachloride			20.0	25.9		ug/Kg		129	77 - 138	2	30
Chlorobenzene			20.0	19.6		ug/Kg		98	80 - 120	0	30
Chlorobromomethane			20.0	21.3		ug/Kg		107	80 - 125	0	30
Chlorodibromomethane			20.0	24.9		ug/Kg		124	67 - 143	0	30
Chloroethane			20.0	21.3		ug/Kg		106	50 - 139	2	30
Chloroform			20.0	20.5		ug/Kg		103	80 - 122	0	30
Chloromethane			20.0	17.0		ug/Kg		85	66 - 128	3	30
cis-1,2-Dichloroethene			20.0	21.1		ug/Kg		106	80 - 123	0	30
cis-1,3-Dichloropropene			20.0	18.2		ug/Kg		91	75 - 124	1	30
Cyclohexane			20.0	19.6		ug/Kg		98	67 - 135	2	30
Dichlorobromomethane			20.0	22.3		ug/Kg		112	76 - 129	1	30
Dichlorodifluoromethane			20.0	19.4		ug/Kg		97	72 - 127	1	30
Ethylbenzene			20.0	19.1		ug/Kg		96	79 - 124	0	30
Ethylene Dibromide			20.0	19.4		ug/Kg		97	80 - 122	0	30
Isopropylbenzene			20.0	19.4		ug/Kg		97	80 - 125	2	30
Methyl acetate			100	98.7		ug/Kg		99	73 - 123	0	30
Methyl tert-butyl ether			20.0	20.7		ug/Kg		104	80 - 120	1	30
Methylcyclohexane			20.0	20.6		ug/Kg		103	71 - 137	4	30
Methylene Chloride			20.0	21.3		ug/Kg		107	79 - 128	0	30
m-Xylene & p-Xylene			20.0	19.1		ug/Kg		95	79 - 121	0	30
o-Xylene			20.0	19.3		ug/Kg		97	79 - 123	1	30
Styrene			20.0	19.1		ug/Kg		96	78 - 123	1	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-385947/4
Matrix: Solid
Analysis Batch: 385947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TBA			200	185		ug/Kg		93	71 - 120	3	30
Tetrachloroethene			20.0	22.5		ug/Kg		113	73 - 130	1	30
Toluene			20.0	19.0		ug/Kg		95	75 - 122	0	30
trans-1,2-Dichloroethene			20.0	20.8		ug/Kg		104	80 - 129	1	30
trans-1,3-Dichloropropene			20.0	18.4		ug/Kg		92	72 - 121	3	30
Trichloroethene			20.0	20.6		ug/Kg		103	79 - 122	1	30
Trichlorofluoromethane			20.0	19.9		ug/Kg		99	68 - 136	8	30
Vinyl chloride			20.0	17.3		ug/Kg		86	70 - 134	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*78 - 135*
4-Bromofluorobenzene	*115*		*67 - 126*
Dibromofluoromethane (Surr)	*109*		*61 - 149*
Toluene-d8 (Surr)	*100*		*73 - 121*

Lab Sample ID: MB 460-385950/7
Matrix: Solid
Analysis Batch: 385950

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.38	ug/Kg			08/21/16 08:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17	ug/Kg			08/21/16 08:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44	ug/Kg			08/21/16 08:48	1
1,1,2-Trichloroethane	1.0	U	1.0	0.28	ug/Kg			08/21/16 08:48	1
1,1-Dichloroethane	1.0	U	1.0	0.34	ug/Kg			08/21/16 08:48	1
1,1-Dichloroethene	1.0	U	1.0	0.41	ug/Kg			08/21/16 08:48	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	ug/Kg			08/21/16 08:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/Kg			08/21/16 08:48	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47	ug/Kg			08/21/16 08:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/21/16 08:48	1
1,2-Dichloroethane	1.0	U	1.0	0.11	ug/Kg			08/21/16 08:48	1
1,2-Dichloropropane	1.0	U	1.0	0.17	ug/Kg			08/21/16 08:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.12	ug/Kg			08/21/16 08:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/Kg			08/21/16 08:48	1
1,4-Dioxane	20	U	20	6.4	ug/Kg			08/21/16 08:48	1
2-Butanone (MEK)	5.0	U	5.0	0.77	ug/Kg			08/21/16 08:48	1
2-Hexanone	5.0	U	5.0	0.94	ug/Kg			08/21/16 08:48	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2	ug/Kg			08/21/16 08:48	1
Acetone	5.0	U	5.0	1.1	ug/Kg			08/21/16 08:48	1
Acetonitrile	10	U	10	4.1	ug/Kg			08/21/16 08:48	1
Acrolein	100	U	100	16	ug/Kg			08/21/16 08:48	1
Benzene	1.0	U	1.0	0.20	ug/Kg			08/21/16 08:48	1
Bromoform	1.0	U	1.0	0.13	ug/Kg			08/21/16 08:48	1
Bromomethane	1.0	U	1.0	0.32	ug/Kg			08/21/16 08:48	1
Carbon disulfide	1.0	U	1.0	0.43	ug/Kg			08/21/16 08:48	1
Carbon tetrachloride	1.0	U	1.0	0.43	ug/Kg			08/21/16 08:48	1
Chlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/21/16 08:48	1
Chlorobromomethane	1.0	U	1.0	0.17	ug/Kg			08/21/16 08:48	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-385950/7
Matrix: Solid
Analysis Batch: 385950

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	1.0	U	1.0	0.15	ug/Kg			08/21/16 08:48	1
Chloroethane	1.0	U	1.0	0.35	ug/Kg			08/21/16 08:48	1
Chloroform	1.0	U	1.0	0.21	ug/Kg			08/21/16 08:48	1
Chloromethane	1.0	U	1.0	0.38	ug/Kg			08/21/16 08:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/Kg			08/21/16 08:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/Kg			08/21/16 08:48	1
Cyclohexane	1.0	U	1.0	0.46	ug/Kg			08/21/16 08:48	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/Kg			08/21/16 08:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.32	ug/Kg			08/21/16 08:48	1
Ethylbenzene	1.0	U	1.0	0.18	ug/Kg			08/21/16 08:48	1
Ethylene Dibromide	1.0	U	1.0	0.12	ug/Kg			08/21/16 08:48	1
Isopropylbenzene	1.0	U	1.0	0.17	ug/Kg			08/21/16 08:48	1
Methyl acetate	5.0	U	5.0	0.90	ug/Kg			08/21/16 08:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/Kg			08/21/16 08:48	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			08/21/16 08:48	1
Methylene Chloride	1.0	U	1.0	0.32	ug/Kg			08/21/16 08:48	1
m-Xylene & p-Xylene	1.0	U	1.0	0.11	ug/Kg			08/21/16 08:48	1
o-Xylene	1.0	U	1.0	0.16	ug/Kg			08/21/16 08:48	1
Styrene	1.0	U	1.0	0.15	ug/Kg			08/21/16 08:48	1
TBA	10	U	10	3.5	ug/Kg			08/21/16 08:48	1
Tetrachloroethene	1.0	U	1.0	0.28	ug/Kg			08/21/16 08:48	1
Toluene	1.0	U	1.0	0.19	ug/Kg			08/21/16 08:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.39	ug/Kg			08/21/16 08:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.10	ug/Kg			08/21/16 08:48	1
Trichloroethene	1.0	U	1.0	0.26	ug/Kg			08/21/16 08:48	1
Trichlorofluoromethane	1.0	U	1.0	0.34	ug/Kg			08/21/16 08:48	1
Vinyl chloride	1.0	U	1.0	0.39	ug/Kg			08/21/16 08:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 135*		*08/21/16 08:48*	*1*
4-Bromofluorobenzene	*82*		*67 - 126*		*08/21/16 08:48*	*1*
Dibromofluoromethane (Surr)	*91*		*61 - 149*		*08/21/16 08:48*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*		*08/21/16 08:48*	*1*

Lab Sample ID: LCS 460-385950/3
Matrix: Solid
Analysis Batch: 385950

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	21.0		ug/Kg		105	80 - 125
1,1,2,2-Tetrachloroethane	20.0	20.8		ug/Kg		104	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.4		ug/Kg		107	78 - 132
1,1,2-Trichloroethane	20.0	20.9		ug/Kg		105	76 - 124
1,1-Dichloroethane	20.0	23.1		ug/Kg		115	80 - 124
1,1-Dichloroethene	20.0	20.3		ug/Kg		101	79 - 132
1,2,3-Trichlorobenzene	20.0	17.5		ug/Kg		87	75 - 123
1,2,4-Trichlorobenzene	20.0	18.6		ug/Kg		93	74 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-385950/3
Matrix: Solid
Analysis Batch: 385950

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	20.0	18.9		ug/Kg		95	65 - 129
1,2-Dichlorobenzene	20.0	19.4		ug/Kg		97	80 - 121
1,2-Dichloroethane	20.0	21.3		ug/Kg		107	68 - 120
1,2-Dichloropropane	20.0	23.2		ug/Kg		116	77 - 124
1,3-Dichlorobenzene	20.0	20.3		ug/Kg		102	79 - 124
1,4-Dichlorobenzene	20.0	19.8		ug/Kg		99	79 - 121
1,4-Dioxane	400	392		ug/Kg		98	67 - 150
2-Butanone (MEK)	100	92.4		ug/Kg		92	61 - 140
2-Hexanone	100	101		ug/Kg		101	78 - 120
4-Methyl-2-pentanone (MIBK)	100	100		ug/Kg		100	80 - 120
Acetone	100	90.9		ug/Kg		91	75 - 120
Acetonitrile	200	183		ug/Kg		91	60 - 137
Acrolein	300	277		ug/Kg		92	11 - 143
Benzene	20.0	21.6		ug/Kg		108	75 - 127
Bromoform	20.0	16.3		ug/Kg		82	19 - 150
Bromomethane	20.0	17.4		ug/Kg		87	59 - 136
Carbon disulfide	20.0	21.2		ug/Kg		106	74 - 130
Carbon tetrachloride	20.0	20.1		ug/Kg		100	77 - 138
Chlorobenzene	20.0	20.7		ug/Kg		103	80 - 120
Chlorobromomethane	20.0	19.2		ug/Kg		96	80 - 125
Chlorodibromomethane	20.0	18.7		ug/Kg		94	67 - 143
Chloroethane	20.0	18.1		ug/Kg		91	50 - 139
Chloroform	20.0	21.3		ug/Kg		106	80 - 122
Chloromethane	20.0	20.9		ug/Kg		104	66 - 128
cis-1,2-Dichloroethene	20.0	20.9		ug/Kg		105	80 - 123
cis-1,3-Dichloropropene	20.0	23.6		ug/Kg		118	75 - 124
Cyclohexane	20.0	24.3		ug/Kg		122	67 - 135
Dichlorobromomethane	20.0	20.2		ug/Kg		101	76 - 129
Dichlorodifluoromethane	20.0	18.9		ug/Kg		94	72 - 127
Ethylbenzene	20.0	21.5		ug/Kg		107	79 - 124
Ethylene Dibromide	20.0	20.0		ug/Kg		100	80 - 122
Isopropylbenzene	20.0	22.4		ug/Kg		112	80 - 125
Methyl acetate	100	117		ug/Kg		117	73 - 123
Methyl tert-butyl ether	20.0	23.1		ug/Kg		116	80 - 120
Methylcyclohexane	20.0	25.6		ug/Kg		128	71 - 137
Methylene Chloride	20.0	19.7		ug/Kg		99	79 - 128
m-Xylene & p-Xylene	20.0	21.4		ug/Kg		107	79 - 121
o-Xylene	20.0	22.2		ug/Kg		111	79 - 123
Styrene	20.0	21.9		ug/Kg		110	78 - 123
TBA	200	186		ug/Kg		93	71 - 120
Tetrachloroethene	20.0	18.1		ug/Kg		90	73 - 130
Toluene	20.0	20.7		ug/Kg		104	75 - 122
trans-1,2-Dichloroethene	20.0	20.8		ug/Kg		104	80 - 129
trans-1,3-Dichloropropene	20.0	22.4		ug/Kg		112	72 - 121
Trichloroethene	20.0	20.2		ug/Kg		101	79 - 122
Trichlorofluoromethane	20.0	17.4		ug/Kg		87	68 - 136
Vinyl chloride	20.0	19.0		ug/Kg		95	70 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-385950/3
Matrix: Solid
Analysis Batch: 385950

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 135*
4-Bromofluorobenzene	*82*		*67 - 126*
Dibromofluoromethane (Surr)	*92*		*61 - 149*
Toluene-d8 (Surr)	*96*		*73 - 121*

Lab Sample ID: LCSD 460-385950/4
Matrix: Solid
Analysis Batch: 385950

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	20.8		ug/Kg		104	80 - 125	1	30
1,1,2,2-Tetrachloroethane			20.0	20.5		ug/Kg		102	72 - 131	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	19.3		ug/Kg		96	78 - 132	10	30
1,1,2-Trichloroethane			20.0	20.7		ug/Kg		104	76 - 124	1	30
1,1-Dichloroethane			20.0	23.2		ug/Kg		116	80 - 124	0	30
1,1-Dichloroethene			20.0	20.8		ug/Kg		104	79 - 132	3	30
1,2,3-Trichlorobenzene			20.0	17.5		ug/Kg		88	75 - 123	0	30
1,2,4-Trichlorobenzene			20.0	18.4		ug/Kg		92	74 - 124	1	30
1,2-Dibromo-3-Chloropropane			20.0	18.5		ug/Kg		92	65 - 129	2	30
1,2-Dichlorobenzene			20.0	19.3		ug/Kg		96	80 - 121	1	30
1,2-Dichloroethane			20.0	21.0		ug/Kg		105	68 - 120	1	30
1,2-Dichloropropane			20.0	23.0		ug/Kg		115	77 - 124	1	30
1,3-Dichlorobenzene			20.0	20.3		ug/Kg		101	79 - 124	0	30
1,4-Dichlorobenzene			20.0	19.6		ug/Kg		98	79 - 121	1	30
1,4-Dioxane			400	384		ug/Kg		96	67 - 150	2	30
2-Butanone (MEK)			100	91.2		ug/Kg		91	61 - 140	1	30
2-Hexanone			100	101		ug/Kg		101	78 - 120	0	30
4-Methyl-2-pentanone (MIBK)			100	98.8		ug/Kg		99	80 - 120	2	30
Acetone			100	88.0		ug/Kg		88	75 - 120	3	30
Acetonitrile			200	172		ug/Kg		86	60 - 137	6	30
Acrolein			300	281		ug/Kg		94	11 - 143	2	30
Benzene			20.0	21.4		ug/Kg		107	75 - 127	1	30
Bromoform			20.0	15.8		ug/Kg		79	19 - 150	3	30
Bromomethane			20.0	17.1		ug/Kg		85	59 - 136	2	30
Carbon disulfide			20.0	20.5		ug/Kg		102	74 - 130	3	30
Carbon tetrachloride			20.0	20.0		ug/Kg		100	77 - 138	0	30
Chlorobenzene			20.0	20.7		ug/Kg		104	80 - 120	0	30
Chlorobromomethane			20.0	18.9		ug/Kg		94	80 - 125	2	30
Chlorodibromomethane			20.0	18.4		ug/Kg		92	67 - 143	2	30
Chloroethane			20.0	17.1		ug/Kg		85	50 - 139	6	30
Chloroform			20.0	21.2		ug/Kg		106	80 - 122	0	30
Chloromethane			20.0	20.5		ug/Kg		102	66 - 128	2	30
cis-1,2-Dichloroethene			20.0	20.6		ug/Kg		103	80 - 123	2	30
cis-1,3-Dichloropropene			20.0	23.1		ug/Kg		115	75 - 124	2	30
Cyclohexane			20.0	23.9		ug/Kg		119	67 - 135	2	30
Dichlorobromomethane			20.0	19.9		ug/Kg		99	76 - 129	2	30
Dichlorodifluoromethane			20.0	19.1		ug/Kg		95	72 - 127	1	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-385950/4
Matrix: Solid
Analysis Batch: 385950

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene			20.0	21.8		ug/Kg		109	79 - 124	2	30
Ethylene Dibromide			20.0	19.6		ug/Kg		98	80 - 122	2	30
Isopropylbenzene			20.0	22.2		ug/Kg		111	80 - 125	1	30
Methyl acetate			100	122		ug/Kg		122	73 - 123	4	30
Methyl tert-butyl ether			20.0	20.6		ug/Kg		103	80 - 120	12	30
Methylcyclohexane			20.0	25.7		ug/Kg		129	71 - 137	0	30
Methylene Chloride			20.0	19.2		ug/Kg		96	79 - 128	3	30
m-Xylene & p-Xylene			20.0	21.4		ug/Kg		107	79 - 121	0	30
o-Xylene			20.0	22.1		ug/Kg		110	79 - 123	1	30
Styrene			20.0	21.9		ug/Kg		110	78 - 123	0	30
TBA			200	180		ug/Kg		90	71 - 120	3	30
Tetrachloroethene			20.0	18.3		ug/Kg		92	73 - 130	1	30
Toluene			20.0	20.5		ug/Kg		103	75 - 122	1	30
trans-1,2-Dichloroethene			20.0	20.9		ug/Kg		104	80 - 129	0	30
trans-1,3-Dichloropropene			20.0	22.3		ug/Kg		112	72 - 121	1	30
Trichloroethene			20.0	20.4		ug/Kg		102	79 - 122	1	30
Trichlorofluoromethane			20.0	16.8		ug/Kg		84	68 - 136	3	30
Vinyl chloride			20.0	19.5		ug/Kg		98	70 - 134	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*78 - 135*
4-Bromofluorobenzene	*83*		*67 - 126*
Dibromofluoromethane (Surr)	*94*		*61 - 149*
Toluene-d8 (Surr)	*97*		*73 - 121*

Lab Sample ID: MB 460-386008/7
Matrix: Water
Analysis Batch: 386008

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			08/22/16 10:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			08/22/16 10:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34	ug/L			08/22/16 10:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			08/22/16 10:41	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			08/22/16 10:41	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			08/22/16 10:41	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			08/22/16 10:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			08/22/16 10:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			08/22/16 10:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			08/22/16 10:41	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			08/22/16 10:41	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			08/22/16 10:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/22/16 10:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/22/16 10:41	1
1,4-Dioxane	50	U	50	8.7	ug/L			08/22/16 10:41	1
2-Butanone (MEK)	5.0	U	5.0	2.2	ug/L			08/22/16 10:41	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			08/22/16 10:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63	ug/L			08/22/16 10:41	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-386008/7
Matrix: Water
Analysis Batch: 386008

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	5.0	1.1	ug/L			08/22/16 10:41	1
Benzene	1.0	U	1.0	0.090	ug/L			08/22/16 10:41	1
Bromoform	1.0	U	1.0	0.18	ug/L			08/22/16 10:41	1
Bromomethane	1.0	U	1.0	0.18	ug/L			08/22/16 10:41	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			08/22/16 10:41	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			08/22/16 10:41	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			08/22/16 10:41	1
Chlorobromomethane	1.0	U	1.0	0.30	ug/L			08/22/16 10:41	1
Chlorodibromomethane	1.0	U	1.0	0.22	ug/L			08/22/16 10:41	1
Chloroethane	1.0	U	1.0	0.37	ug/L			08/22/16 10:41	1
Chloroform	1.0	U	1.0	0.22	ug/L			08/22/16 10:41	1
Chloromethane	1.0	U	1.0	0.22	ug/L			08/22/16 10:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/22/16 10:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			08/22/16 10:41	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			08/22/16 10:41	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			08/22/16 10:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			08/22/16 10:41	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/22/16 10:41	1
Ethylene Dibromide	1.0	U	1.0	0.19	ug/L			08/22/16 10:41	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			08/22/16 10:41	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			08/22/16 10:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.13	ug/L			08/22/16 10:41	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			08/22/16 10:41	1
Methylene Chloride	1.0	U	1.0	0.21	ug/L			08/22/16 10:41	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			08/22/16 10:41	1
o-Xylene	1.0	U	1.0	0.32	ug/L			08/22/16 10:41	1
Styrene	1.0	U	1.0	0.17	ug/L			08/22/16 10:41	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			08/22/16 10:41	1
Toluene	1.0	U	1.0	0.25	ug/L			08/22/16 10:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			08/22/16 10:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			08/22/16 10:41	1
Trichloroethene	1.0	U	1.0	0.22	ug/L			08/22/16 10:41	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			08/22/16 10:41	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			08/22/16 10:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*74 - 132*		*08/22/16 10:41*	*1*
4-Bromofluorobenzene	*115*		*77 - 124*		*08/22/16 10:41*	*1*
Dibromofluoromethane (Surr)	*100*		*72 - 131*		*08/22/16 10:41*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/22/16 10:41*	*1*

Lab Sample ID: LCS 460-386008/3
Matrix: Water
Analysis Batch: 386008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	21.3		ug/L		106	75 - 125
1,1,2,2-Tetrachloroethane	20.0	20.8		ug/L		104	74 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-386008/3
Matrix: Water
Analysis Batch: 386008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.2		ug/L		86	59 - 150
1,1,2-Trichloroethane	20.0	19.5		ug/L		98	78 - 120
1,1-Dichloroethane	20.0	19.3		ug/L		97	77 - 123
1,1-Dichloroethene	20.0	21.6		ug/L		108	74 - 123
1,2,3-Trichlorobenzene	20.0	17.1		ug/L		86	78 - 131
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		90	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	19.9		ug/L		100	55 - 134
1,2-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
1,2-Dichloroethane	20.0	19.6		ug/L		98	76 - 121
1,2-Dichloropropane	20.0	20.3		ug/L		102	77 - 123
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.7		ug/L		99	80 - 120
1,4-Dioxane	400	441		ug/L		110	10 - 150
2-Butanone (MEK)	100	95.9		ug/L		96	64 - 120
2-Hexanone	100	101		ug/L		101	71 - 125
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	78 - 124
Acetone	100	93.1		ug/L		93	39 - 150
Benzene	20.0	21.0		ug/L		105	77 - 121
Bromoform	20.0	19.8		ug/L		99	53 - 120
Bromomethane	20.0	13.8		ug/L		69	10 - 150
Carbon disulfide	20.0	22.0		ug/L		110	69 - 133
Carbon tetrachloride	20.0	21.9		ug/L		109	70 - 132
Chlorobenzene	20.0	19.2		ug/L		96	80 - 120
Chlorobromomethane	20.0	19.9		ug/L		100	77 - 127
Chlorodibromomethane	20.0	20.5		ug/L		103	73 - 120
Chloroethane	20.0	15.7		ug/L		78	52 - 150
Chloroform	20.0	21.0		ug/L		105	80 - 120
Chloromethane	20.0	16.8		ug/L		84	56 - 131
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	80 - 120
cis-1,3-Dichloropropene	20.0	20.9		ug/L		104	77 - 120
Cyclohexane	20.0	15.9		ug/L		80	56 - 150
Dichlorobromomethane	20.0	20.3		ug/L		102	76 - 120
Dichlorodifluoromethane	20.0	16.1		ug/L		81	50 - 131
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120
Ethylene Dibromide	20.0	20.3		ug/L		101	80 - 120
Isopropylbenzene	20.0	19.8		ug/L		99	80 - 123
Methyl acetate	100	113		ug/L		113	66 - 144
Methyl tert-butyl ether	20.0	21.9		ug/L		110	79 - 122
Methylcyclohexane	20.0	14.1		ug/L		71	61 - 145
Methylene Chloride	20.0	22.3		ug/L		111	77 - 123
m-Xylene & p-Xylene	20.0	18.9		ug/L		95	80 - 120
o-Xylene	20.0	20.1		ug/L		100	80 - 120
Styrene	20.0	21.2		ug/L		106	80 - 120
Tetrachloroethene	20.0	21.1		ug/L		105	78 - 122
Toluene	20.0	19.4		ug/L		97	80 - 120
trans-1,2-Dichloroethene	20.0	20.7		ug/L		103	79 - 120
trans-1,3-Dichloropropene	20.0	21.1		ug/L		105	76 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-386008/3
Matrix: Water
Analysis Batch: 386008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	20.0	21.4		ug/L		107	77 - 120
Trichlorofluoromethane	20.0	21.7		ug/L		109	71 - 143
Vinyl chloride	20.0	18.6		ug/L		93	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*74 - 132*
4-Bromofluorobenzene	*110*		*77 - 124*
Dibromofluoromethane (Surr)	*102*		*72 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-386008/4
Matrix: Water
Analysis Batch: 386008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.9		ug/L		105	75 - 125	2	30
1,1,2,2-Tetrachloroethane	20.0	20.6		ug/L		103	74 - 120	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.1		ug/L		86	59 - 150	1	30
1,1,2-Trichloroethane	20.0	20.1		ug/L		100	78 - 120	3	30
1,1-Dichloroethane	20.0	19.4		ug/L		97	77 - 123	0	30
1,1-Dichloroethene	20.0	21.0		ug/L		105	74 - 123	3	30
1,2,3-Trichlorobenzene	20.0	16.4		ug/L		82	78 - 131	4	30
1,2,4-Trichlorobenzene	20.0	17.9		ug/L		90	80 - 124	1	30
1,2-Dibromo-3-Chloropropane	20.0	21.2		ug/L		106	55 - 134	6	30
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120	0	30
1,2-Dichloroethane	20.0	19.8		ug/L		99	76 - 121	1	30
1,2-Dichloropropane	20.0	20.6		ug/L		103	77 - 123	1	30
1,3-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120	0	30
1,4-Dioxane	400	473		ug/L		118	10 - 150	7	30
2-Butanone (MEK)	100	97.0		ug/L		97	64 - 120	1	30
2-Hexanone	100	105		ug/L		105	71 - 125	4	30
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	78 - 124	0	30
Acetone	100	95.2		ug/L		95	39 - 150	2	30
Benzene	20.0	20.8		ug/L		104	77 - 121	1	30
Bromoform	20.0	19.1		ug/L		95	53 - 120	4	30
Bromomethane	20.0	15.3		ug/L		76	10 - 150	10	30
Carbon disulfide	20.0	21.2		ug/L		106	69 - 133	4	30
Carbon tetrachloride	20.0	21.8		ug/L		109	70 - 132	0	30
Chlorobenzene	20.0	19.5		ug/L		98	80 - 120	2	30
Chlorobromomethane	20.0	19.7		ug/L		98	77 - 127	1	30
Chlorodibromomethane	20.0	20.8		ug/L		104	73 - 120	1	30
Chloroethane	20.0	13.4		ug/L		67	52 - 150	16	30
Chloroform	20.0	20.7		ug/L		104	80 - 120	1	30
Chloromethane	20.0	16.4		ug/L		82	56 - 131	2	30
cis-1,2-Dichloroethene	20.0	19.9		ug/L		99	80 - 120	2	30
cis-1,3-Dichloropropene	20.0	21.0		ug/L		105	77 - 120	1	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-386008/4
Matrix: Water
Analysis Batch: 386008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane	20.0	16.0		ug/L		80	56 - 150	0	30
Dichlorobromomethane	20.0	20.5		ug/L		102	76 - 120	1	30
Dichlorodifluoromethane	20.0	15.8		ug/L		79	50 - 131	2	30
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120	5	30
Ethylene Dibromide	20.0	20.6		ug/L		103	80 - 120	2	30
Isopropylbenzene	20.0	20.1		ug/L		101	80 - 123	2	30
Methyl acetate	100	110		ug/L		110	66 - 144	3	30
Methyl tert-butyl ether	20.0	21.6		ug/L		108	79 - 122	1	30
Methylcyclohexane	20.0	14.1		ug/L		71	61 - 145	0	30
Methylene Chloride	20.0	22.5		ug/L		112	77 - 123	1	30
m-Xylene & p-Xylene	20.0	19.1		ug/L		96	80 - 120	1	30
o-Xylene	20.0	19.7		ug/L		98	80 - 120	2	30
Styrene	20.0	21.6		ug/L		108	80 - 120	2	30
Tetrachloroethene	20.0	19.9		ug/L		99	78 - 122	6	30
Toluene	20.0	19.5		ug/L		97	80 - 120	0	30
trans-1,2-Dichloroethene	20.0	20.5		ug/L		103	79 - 120	1	30
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	76 - 120	3	30
Trichloroethene	20.0	19.9		ug/L		100	77 - 120	7	30
Trichlorofluoromethane	20.0	22.2		ug/L		111	71 - 143	2	30
Vinyl chloride	20.0	18.0		ug/L		90	62 - 138	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*74 - 132*
4-Bromofluorobenzene	*113*		*77 - 124*
Dibromofluoromethane (Surr)	*102*		*72 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 460-386039/8
Matrix: Solid
Analysis Batch: 386039

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.38	ug/Kg			08/22/16 13:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17	ug/Kg			08/22/16 13:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44	ug/Kg			08/22/16 13:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.28	ug/Kg			08/22/16 13:01	1
1,1-Dichloroethane	1.0	U	1.0	0.34	ug/Kg			08/22/16 13:01	1
1,1-Dichloroethene	1.0	U	1.0	0.41	ug/Kg			08/22/16 13:01	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	ug/Kg			08/22/16 13:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/Kg			08/22/16 13:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47	ug/Kg			08/22/16 13:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/22/16 13:01	1
1,2-Dichloroethane	1.0	U	1.0	0.11	ug/Kg			08/22/16 13:01	1
1,2-Dichloropropane	1.0	U	1.0	0.17	ug/Kg			08/22/16 13:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.12	ug/Kg			08/22/16 13:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/Kg			08/22/16 13:01	1
1,4-Dioxane	20	U	20	6.4	ug/Kg			08/22/16 13:01	1
2-Butanone (MEK)	5.0	U	5.0	0.77	ug/Kg			08/22/16 13:01	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-386039/8
Matrix: Solid
Analysis Batch: 386039

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	5.0	U	5.0	0.94	ug/Kg			08/22/16 13:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2	ug/Kg			08/22/16 13:01	1
Acetone	5.0	U	5.0	1.1	ug/Kg			08/22/16 13:01	1
Acetonitrile	10	U	10	4.1	ug/Kg			08/22/16 13:01	1
Acrolein	100	U	100	16	ug/Kg			08/22/16 13:01	1
Benzene	1.0	U	1.0	0.20	ug/Kg			08/22/16 13:01	1
Bromoform	1.0	U	1.0	0.13	ug/Kg			08/22/16 13:01	1
Bromomethane	1.0	U	1.0	0.32	ug/Kg			08/22/16 13:01	1
Carbon disulfide	1.0	U	1.0	0.43	ug/Kg			08/22/16 13:01	1
Carbon tetrachloride	1.0	U	1.0	0.43	ug/Kg			08/22/16 13:01	1
Chlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/22/16 13:01	1
Chlorobromomethane	1.0	U	1.0	0.17	ug/Kg			08/22/16 13:01	1
Chlorodibromomethane	1.0	U	1.0	0.15	ug/Kg			08/22/16 13:01	1
Chloroethane	1.0	U	1.0	0.35	ug/Kg			08/22/16 13:01	1
Chloroform	1.0	U	1.0	0.21	ug/Kg			08/22/16 13:01	1
Chloromethane	1.0	U	1.0	0.38	ug/Kg			08/22/16 13:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/Kg			08/22/16 13:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/Kg			08/22/16 13:01	1
Cyclohexane	1.0	U	1.0	0.46	ug/Kg			08/22/16 13:01	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/Kg			08/22/16 13:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.32	ug/Kg			08/22/16 13:01	1
Ethylbenzene	1.0	U	1.0	0.18	ug/Kg			08/22/16 13:01	1
Ethylene Dibromide	1.0	U	1.0	0.12	ug/Kg			08/22/16 13:01	1
Isopropylbenzene	1.0	U	1.0	0.17	ug/Kg			08/22/16 13:01	1
Methyl acetate	5.0	U	5.0	0.90	ug/Kg			08/22/16 13:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/Kg			08/22/16 13:01	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			08/22/16 13:01	1
Methylene Chloride	1.0	U	1.0	0.32	ug/Kg			08/22/16 13:01	1
m-Xylene & p-Xylene	1.0	U	1.0	0.11	ug/Kg			08/22/16 13:01	1
o-Xylene	1.0	U	1.0	0.16	ug/Kg			08/22/16 13:01	1
Styrene	1.0	U	1.0	0.15	ug/Kg			08/22/16 13:01	1
TBA	10	U	10	3.5	ug/Kg			08/22/16 13:01	1
Tetrachloroethene	1.0	U	1.0	0.28	ug/Kg			08/22/16 13:01	1
Toluene	1.0	U	1.0	0.19	ug/Kg			08/22/16 13:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.39	ug/Kg			08/22/16 13:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.10	ug/Kg			08/22/16 13:01	1
Trichloroethene	1.0	U	1.0	0.26	ug/Kg			08/22/16 13:01	1
Trichlorofluoromethane	1.0	U	1.0	0.34	ug/Kg			08/22/16 13:01	1
Vinyl chloride	1.0	U	1.0	0.39	ug/Kg			08/22/16 13:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*78 - 135*		*08/22/16 13:01*	*1*
4-Bromofluorobenzene	*76*		*67 - 126*		*08/22/16 13:01*	*1*
Dibromofluoromethane (Surr)	*85*		*61 - 149*		*08/22/16 13:01*	*1*
Toluene-d8 (Surr)	*90*		*73 - 121*		*08/22/16 13:01*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-386039/4
Matrix: Solid
Analysis Batch: 386039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.6		ug/Kg		88	80 - 125
1,1,2,2-Tetrachloroethane	20.0	19.4		ug/Kg		97	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	14.8	*	ug/Kg		74	78 - 132
1,1,2-Trichloroethane	20.0	19.1		ug/Kg		95	76 - 124
1,1-Dichloroethane	20.0	20.8		ug/Kg		104	80 - 124
1,1-Dichloroethene	20.0	17.2		ug/Kg		86	79 - 132
1,2,3-Trichlorobenzene	20.0	16.4		ug/Kg		82	75 - 123
1,2,4-Trichlorobenzene	20.0	17.2		ug/Kg		86	74 - 124
1,2-Dibromo-3-Chloropropane	20.0	17.3		ug/Kg		86	65 - 129
1,2-Dichlorobenzene	20.0	18.3		ug/Kg		92	80 - 121
1,2-Dichloroethane	20.0	19.2		ug/Kg		96	68 - 120
1,2-Dichloropropane	20.0	21.3		ug/Kg		107	77 - 124
1,3-Dichlorobenzene	20.0	18.9		ug/Kg		94	79 - 124
1,4-Dichlorobenzene	20.0	18.6		ug/Kg		93	79 - 121
1,4-Dioxane	400	390		ug/Kg		97	67 - 150
2-Butanone (MEK)	100	89.7		ug/Kg		90	61 - 140
2-Hexanone	100	98.0		ug/Kg		98	78 - 120
4-Methyl-2-pentanone (MIBK)	100	98.0		ug/Kg		98	80 - 120
Acetone	100	84.6		ug/Kg		85	75 - 120
Acetonitrile	200	191		ug/Kg		96	60 - 137
Acrolein	300	307		ug/Kg		102	11 - 143
Benzene	20.0	19.3		ug/Kg		96	75 - 127
Bromoform	20.0	15.1		ug/Kg		76	19 - 150
Bromomethane	20.0	19.7		ug/Kg		98	59 - 136
Carbon disulfide	20.0	17.6		ug/Kg		88	74 - 130
Carbon tetrachloride	20.0	16.9		ug/Kg		84	77 - 138
Chlorobenzene	20.0	19.3		ug/Kg		96	80 - 120
Chlorobromomethane	20.0	18.1		ug/Kg		90	80 - 125
Chlorodibromomethane	20.0	17.6		ug/Kg		88	67 - 143
Chloroethane	20.0	19.6		ug/Kg		98	50 - 139
Chloroform	20.0	19.5		ug/Kg		98	80 - 122
Chloromethane	20.0	23.5		ug/Kg		118	66 - 128
cis-1,2-Dichloroethene	20.0	19.1		ug/Kg		96	80 - 123
cis-1,3-Dichloropropene	20.0	21.6		ug/Kg		108	75 - 124
Cyclohexane	20.0	18.1		ug/Kg		90	67 - 135
Dichlorobromomethane	20.0	18.7		ug/Kg		94	76 - 129
Dichlorodifluoromethane	20.0	18.1		ug/Kg		91	72 - 127
Ethylbenzene	20.0	19.5		ug/Kg		97	79 - 124
Ethylene Dibromide	20.0	18.6		ug/Kg		93	80 - 122
Isopropylbenzene	20.0	19.5		ug/Kg		98	80 - 125
Methyl acetate	100	104		ug/Kg		104	73 - 123
Methyl tert-butyl ether	20.0	16.0		ug/Kg		80	80 - 120
Methylcyclohexane	20.0	20.2		ug/Kg		101	71 - 137
Methylene Chloride	20.0	18.3		ug/Kg		91	79 - 128
m-Xylene & p-Xylene	20.0	19.3		ug/Kg		96	79 - 121
o-Xylene	20.0	19.9		ug/Kg		99	79 - 123
Styrene	20.0	19.9		ug/Kg		100	78 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-386039/4
Matrix: Solid
Analysis Batch: 386039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
TBA	200	183		ug/Kg		91	71 - 120
Tetrachloroethene	20.0	15.4		ug/Kg		77	73 - 130
Toluene	20.0	18.6		ug/Kg		93	75 - 122
trans-1,2-Dichloroethene	20.0	18.8		ug/Kg		94	80 - 129
trans-1,3-Dichloropropene	20.0	20.7		ug/Kg		103	72 - 121
Trichloroethene	20.0	18.3		ug/Kg		91	79 - 122
Trichlorofluoromethane	20.0	17.1		ug/Kg		85	68 - 136
Vinyl chloride	20.0	20.9		ug/Kg		105	70 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 135*
4-Bromofluorobenzene	*81*		*67 - 126*
Dibromofluoromethane (Surr)	*92*		*61 - 149*
Toluene-d8 (Surr)	*94*		*73 - 121*

Lab Sample ID: MB 460-386262/8
Matrix: Solid
Analysis Batch: 386262

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.38	ug/Kg			08/23/16 13:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17	ug/Kg			08/23/16 13:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44	ug/Kg			08/23/16 13:48	1
1,1,2-Trichloroethane	1.0	U	1.0	0.28	ug/Kg			08/23/16 13:48	1
1,1-Dichloroethane	1.0	U	1.0	0.34	ug/Kg			08/23/16 13:48	1
1,1-Dichloroethene	1.0	U	1.0	0.41	ug/Kg			08/23/16 13:48	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	ug/Kg			08/23/16 13:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/Kg			08/23/16 13:48	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47	ug/Kg			08/23/16 13:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/23/16 13:48	1
1,2-Dichloroethane	1.0	U	1.0	0.11	ug/Kg			08/23/16 13:48	1
1,2-Dichloropropane	1.0	U	1.0	0.17	ug/Kg			08/23/16 13:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.12	ug/Kg			08/23/16 13:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/Kg			08/23/16 13:48	1
1,4-Dioxane	20	U	20	6.4	ug/Kg			08/23/16 13:48	1
2-Butanone (MEK)	5.0	U	5.0	0.77	ug/Kg			08/23/16 13:48	1
2-Hexanone	5.0	U	5.0	0.94	ug/Kg			08/23/16 13:48	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2	ug/Kg			08/23/16 13:48	1
Acetone	5.0	U	5.0	1.1	ug/Kg			08/23/16 13:48	1
Acetonitrile	10	U	10	4.1	ug/Kg			08/23/16 13:48	1
Acrolein	100	U	100	16	ug/Kg			08/23/16 13:48	1
Benzene	1.0	U	1.0	0.20	ug/Kg			08/23/16 13:48	1
Bromoform	1.0	U	1.0	0.13	ug/Kg			08/23/16 13:48	1
Bromomethane	1.0	U	1.0	0.32	ug/Kg			08/23/16 13:48	1
Carbon disulfide	1.0	U	1.0	0.43	ug/Kg			08/23/16 13:48	1
Carbon tetrachloride	1.0	U	1.0	0.43	ug/Kg			08/23/16 13:48	1
Chlorobenzene	1.0	U	1.0	0.14	ug/Kg			08/23/16 13:48	1
Chlorobromomethane	1.0	U	1.0	0.17	ug/Kg			08/23/16 13:48	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-386262/8
Matrix: Solid
Analysis Batch: 386262

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	1.0	U	1.0	0.15	ug/Kg			08/23/16 13:48	1
Chloroethane	1.0	U	1.0	0.35	ug/Kg			08/23/16 13:48	1
Chloroform	1.0	U	1.0	0.21	ug/Kg			08/23/16 13:48	1
Chloromethane	1.0	U	1.0	0.38	ug/Kg			08/23/16 13:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/Kg			08/23/16 13:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/Kg			08/23/16 13:48	1
Cyclohexane	1.0	U	1.0	0.46	ug/Kg			08/23/16 13:48	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/Kg			08/23/16 13:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.32	ug/Kg			08/23/16 13:48	1
Ethylbenzene	1.0	U	1.0	0.18	ug/Kg			08/23/16 13:48	1
Ethylene Dibromide	1.0	U	1.0	0.12	ug/Kg			08/23/16 13:48	1
Isopropylbenzene	1.0	U	1.0	0.17	ug/Kg			08/23/16 13:48	1
Methyl acetate	5.0	U	5.0	0.90	ug/Kg			08/23/16 13:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/Kg			08/23/16 13:48	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			08/23/16 13:48	1
Methylene Chloride	1.0	U	1.0	0.32	ug/Kg			08/23/16 13:48	1
m-Xylene & p-Xylene	1.0	U	1.0	0.11	ug/Kg			08/23/16 13:48	1
o-Xylene	1.0	U	1.0	0.16	ug/Kg			08/23/16 13:48	1
Styrene	1.0	U	1.0	0.15	ug/Kg			08/23/16 13:48	1
TBA	10	U	10	3.5	ug/Kg			08/23/16 13:48	1
Tetrachloroethene	1.0	U	1.0	0.28	ug/Kg			08/23/16 13:48	1
Toluene	1.0	U	1.0	0.19	ug/Kg			08/23/16 13:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.39	ug/Kg			08/23/16 13:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.10	ug/Kg			08/23/16 13:48	1
Trichloroethene	1.0	U	1.0	0.26	ug/Kg			08/23/16 13:48	1
Trichlorofluoromethane	1.0	U	1.0	0.34	ug/Kg			08/23/16 13:48	1
Vinyl chloride	1.0	U	1.0	0.39	ug/Kg			08/23/16 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*78 - 135*		*08/23/16 13:48*	*1*
4-Bromofluorobenzene	*86*		*67 - 126*		*08/23/16 13:48*	*1*
Dibromofluoromethane (Surr)	*95*		*61 - 149*		*08/23/16 13:48*	*1*
Toluene-d8 (Surr)	*97*		*73 - 121*		*08/23/16 13:48*	*1*

Lab Sample ID: LCS 460-386262/4
Matrix: Solid
Analysis Batch: 386262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.2		ug/Kg		91	80 - 125
1,1,2,2-Tetrachloroethane	20.0	18.7		ug/Kg		93	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	15.5	*	ug/Kg		77	78 - 132
1,1,2-Trichloroethane	20.0	19.0		ug/Kg		95	76 - 124
1,1-Dichloroethane	20.0	20.8		ug/Kg		104	80 - 124
1,1-Dichloroethene	20.0	17.0		ug/Kg		85	79 - 132
1,2,3-Trichlorobenzene	20.0	17.0		ug/Kg		85	75 - 123
1,2,4-Trichlorobenzene	20.0	17.4		ug/Kg		87	74 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-386262/4
Matrix: Solid
Analysis Batch: 386262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	20.0	17.7		ug/Kg		88	65 - 129
1,2-Dichlorobenzene	20.0	18.2		ug/Kg		91	80 - 121
1,2-Dichloroethane	20.0	20.1		ug/Kg		100	68 - 120
1,2-Dichloropropane	20.0	21.3		ug/Kg		106	77 - 124
1,3-Dichlorobenzene	20.0	18.8		ug/Kg		94	79 - 124
1,4-Dichlorobenzene	20.0	18.5		ug/Kg		92	79 - 121
1,4-Dioxane	400	379		ug/Kg		95	67 - 150
2-Butanone (MEK)	100	89.2		ug/Kg		89	61 - 140
2-Hexanone	100	100		ug/Kg		100	78 - 120
4-Methyl-2-pentanone (MIBK)	100	99.7		ug/Kg		100	80 - 120
Acetone	100	86.4		ug/Kg		86	75 - 120
Acetonitrile	200	200		ug/Kg		100	60 - 137
Acrolein	300	299		ug/Kg		100	11 - 143
Benzene	20.0	18.7		ug/Kg		94	75 - 127
Bromoform	20.0	16.6		ug/Kg		83	19 - 150
Bromomethane	20.0	18.8		ug/Kg		94	59 - 136
Carbon disulfide	20.0	16.9		ug/Kg		84	74 - 130
Carbon tetrachloride	20.0	18.0		ug/Kg		90	77 - 138
Chlorobenzene	20.0	19.3		ug/Kg		96	80 - 120
Chlorobromomethane	20.0	18.6		ug/Kg		93	80 - 125
Chlorodibromomethane	20.0	17.9		ug/Kg		89	67 - 143
Chloroethane	20.0	18.9		ug/Kg		95	50 - 139
Chloroform	20.0	19.7		ug/Kg		98	80 - 122
Chloromethane	20.0	22.4		ug/Kg		112	66 - 128
cis-1,2-Dichloroethene	20.0	19.2		ug/Kg		96	80 - 123
cis-1,3-Dichloropropene	20.0	21.2		ug/Kg		106	75 - 124
Cyclohexane	20.0	19.0		ug/Kg		95	67 - 135
Dichlorobromomethane	20.0	18.9		ug/Kg		94	76 - 129
Dichlorodifluoromethane	20.0	19.0		ug/Kg		95	72 - 127
Ethylbenzene	20.0	19.0		ug/Kg		95	79 - 124
Ethylene Dibromide	20.0	18.9		ug/Kg		95	80 - 122
Isopropylbenzene	20.0	19.7		ug/Kg		99	80 - 125
Methyl acetate	100	109		ug/Kg		109	73 - 123
Methyl tert-butyl ether	20.0	17.0		ug/Kg		85	80 - 120
Methylcyclohexane	20.0	21.5		ug/Kg		107	71 - 137
Methylene Chloride	20.0	17.8		ug/Kg		89	79 - 128
m-Xylene & p-Xylene	20.0	19.3		ug/Kg		96	79 - 121
o-Xylene	20.0	19.7		ug/Kg		99	79 - 123
Styrene	20.0	19.9		ug/Kg		100	78 - 123
TBA	200	177		ug/Kg		88	71 - 120
Tetrachloroethene	20.0	16.4		ug/Kg		82	73 - 130
Toluene	20.0	18.1		ug/Kg		90	75 - 122
trans-1,2-Dichloroethene	20.0	18.6		ug/Kg		93	80 - 129
trans-1,3-Dichloropropene	20.0	20.9		ug/Kg		104	72 - 121
Trichloroethene	20.0	18.3		ug/Kg		92	79 - 122
Trichlorofluoromethane	20.0	16.6		ug/Kg		83	68 - 136
Vinyl chloride	20.0	20.3		ug/Kg		101	70 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-386262/4
Matrix: Solid
Analysis Batch: 386262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 135*
4-Bromofluorobenzene	*83*		*67 - 126*
Dibromofluoromethane (Surr)	*94*		*61 - 149*
Toluene-d8 (Surr)	*94*		*73 - 121*

Lab Sample ID: LCSD 460-386262/5
Matrix: Solid
Analysis Batch: 386262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	16.9		ug/Kg		84	80 - 125	8	30
1,1,2,2-Tetrachloroethane			20.0	18.3		ug/Kg		92	72 - 131	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	16.1		ug/Kg		81	78 - 132	4	30
1,1,2-Trichloroethane			20.0	18.5		ug/Kg		93	76 - 124	2	30
1,1-Dichloroethane			20.0	19.0		ug/Kg		95	80 - 124	9	30
1,1-Dichloroethene			20.0	16.5		ug/Kg		82	79 - 132	3	30
1,2,3-Trichlorobenzene			20.0	16.1		ug/Kg		81	75 - 123	5	30
1,2,4-Trichlorobenzene			20.0	17.0		ug/Kg		85	74 - 124	2	30
1,2-Dibromo-3-Chloropropane			20.0	17.6		ug/Kg		88	65 - 129	1	30
1,2-Dichlorobenzene			20.0	17.4		ug/Kg		87	80 - 121	4	30
1,2-Dichloroethane			20.0	19.3		ug/Kg		96	68 - 120	4	30
1,2-Dichloropropane			20.0	20.1		ug/Kg		100	77 - 124	6	30
1,3-Dichlorobenzene			20.0	17.5		ug/Kg		88	79 - 124	7	30
1,4-Dichlorobenzene			20.0	17.6		ug/Kg		88	79 - 121	5	30
1,4-Dioxane			400	410		ug/Kg		102	67 - 150	8	30
2-Butanone (MEK)			100	87.7		ug/Kg		88	61 - 140	2	30
2-Hexanone			100	97.6		ug/Kg		98	78 - 120	3	30
4-Methyl-2-pentanone (MIBK)			100	96.2		ug/Kg		96	80 - 120	4	30
Acetone			100	89.9		ug/Kg		90	75 - 120	4	30
Acetonitrile			200	195		ug/Kg		98	60 - 137	2	30
Acrolein			300	269		ug/Kg		90	11 - 143	10	30
Benzene			20.0	17.6		ug/Kg		88	75 - 127	6	30
Bromoform			20.0	16.3		ug/Kg		81	19 - 150	2	30
Bromomethane			20.0	17.0		ug/Kg		85	59 - 136	10	30
Carbon disulfide			20.0	16.2		ug/Kg		81	74 - 130	4	30
Carbon tetrachloride			20.0	15.8		ug/Kg		79	77 - 138	13	30
Chlorobenzene			20.0	17.8		ug/Kg		89	80 - 120	8	30
Chlorobromomethane			20.0	17.4		ug/Kg		87	80 - 125	6	30
Chlorodibromomethane			20.0	17.3		ug/Kg		87	67 - 143	3	30
Chloroethane			20.0	16.8		ug/Kg		84	50 - 139	12	30
Chloroform			20.0	18.2		ug/Kg		91	80 - 122	8	30
Chloromethane			20.0	18.6		ug/Kg		93	66 - 128	18	30
cis-1,2-Dichloroethene			20.0	17.7		ug/Kg		88	80 - 123	8	30
cis-1,3-Dichloropropene			20.0	20.5		ug/Kg		102	75 - 124	4	30
Cyclohexane			20.0	17.4		ug/Kg		87	67 - 135	9	30
Dichlorobromomethane			20.0	17.9		ug/Kg		89	76 - 129	6	30
Dichlorodifluoromethane			20.0	14.4		ug/Kg		72	72 - 127	28	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-386262/5
Matrix: Solid
Analysis Batch: 386262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	20.0	17.3		ug/Kg		87	79 - 124	9	30
Ethylene Dibromide	20.0	18.5		ug/Kg		92	80 - 122	2	30
Isopropylbenzene	20.0	17.6		ug/Kg		88	80 - 125	12	30
Methyl acetate	100	109		ug/Kg		109	73 - 123	0	30
Methyl tert-butyl ether	20.0	20.7		ug/Kg		103	80 - 120	20	30
Methylcyclohexane	20.0	18.1		ug/Kg		91	71 - 137	17	30
Methylene Chloride	20.0	17.9		ug/Kg		89	79 - 128	0	30
m-Xylene & p-Xylene	20.0	17.4		ug/Kg		87	79 - 121	10	30
o-Xylene	20.0	18.1		ug/Kg		90	79 - 123	9	30
Styrene	20.0	18.7		ug/Kg		93	78 - 123	6	30
TBA	200	179		ug/Kg		89	71 - 120	1	30
Tetrachloroethene	20.0	14.4	*	ug/Kg		72	73 - 130	13	30
Toluene	20.0	16.8		ug/Kg		84	75 - 122	7	30
trans-1,2-Dichloroethene	20.0	16.6		ug/Kg		83	80 - 129	11	30
trans-1,3-Dichloropropene	20.0	20.0		ug/Kg		100	72 - 121	4	30
Trichloroethene	20.0	16.7		ug/Kg		84	79 - 122	9	30
Trichlorofluoromethane	20.0	14.4		ug/Kg		72	68 - 136	15	30
Vinyl chloride	20.0	15.7		ug/Kg		78	70 - 134	26	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 135*
4-Bromofluorobenzene	*84*		*67 - 126*
Dibromofluoromethane (Surr)	*93*		*61 - 149*
Toluene-d8 (Surr)	*94*		*73 - 121*

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

Lab Sample ID: MB 460-385919/1-A
Matrix: Solid
Analysis Batch: 385995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	33	U	33	7.3	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
1,2-Dichlorobenzene	330	U	330	11	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
1,3-Dichlorobenzene	330	U	330	26	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
1,4-Dichlorobenzene	330	U	330	26	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
2,2'-oxybis[1-chloropropane]	330	U	330	14	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
2-Nitroaniline	330	U	330	11	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
4-Nitroaniline	330	U	330	13	ug/Kg		08/20/16 12:41	08/22/16 08:59	1

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

Lab Sample ID: MB 460-385919/1-A
Matrix: Solid
Analysis Batch: 385995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	330	U	330	8.0	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Acenaphthylene	330	U	330	8.5	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Anthracene	330	U	330	31	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Carbazole	330	U	330	8.2	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Chrysene	330	U	330	9.0	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Dibenzofuran	330	U	330	10	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Dimethyl phthalate	330	U	330	9.6	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Fluoranthene	330	U	330	9.8	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Fluorene	330	U	330	7.2	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Hexachlorobenzene	33	U	33	13	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Hexachloroethane	33	U	33	12	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Isophorone	130	U	130	7.1	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Naphthalene	330	U	330	8.4	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Nitrobenzene	33	U	33	10	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Phenanthrene	330	U	330	8.8	ug/Kg		08/20/16 12:41	08/22/16 08:59	1
Pyrene	330	U	330	15	ug/Kg		08/20/16 12:41	08/22/16 08:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*38 - 95*	*08/20/16 12:41*	*08/22/16 08:59*	*1*
Nitrobenzene-d5 (Surr)	*83*		*37 - 94*	*08/20/16 12:41*	*08/22/16 08:59*	*1*
Terphenyl-d14 (Surr)	*102*		*24 - 109*	*08/20/16 12:41*	*08/22/16 08:59*	*1*

Lab Sample ID: LCS 460-385919/2-A
Matrix: Solid
Analysis Batch: 385995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	3330	3140		ug/Kg		94	62 - 104
1,2-Dichlorobenzene	3330	2910		ug/Kg		87	64 - 98
1,3-Dichlorobenzene	3330	2830		ug/Kg		85	62 - 96

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

Lab Sample ID: LCS 460-385919/2-A
Matrix: Solid
Analysis Batch: 385995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	3330	2880		ug/Kg		86	63 - 97
2,2'-oxybis[1-chloropropane]	3330	2770		ug/Kg		83	39 - 122
2,4-Dinitrotoluene	3330	3360		ug/Kg		101	66 - 122
2,6-Dinitrotoluene	3330	3220		ug/Kg		97	70 - 114
2-Chloronaphthalene	3330	3110		ug/Kg		93	63 - 107
2-Methylnaphthalene	3330	3190		ug/Kg		96	65 - 104
2-Nitroaniline	3330	2220		ug/Kg		67	57 - 114
3,3'-Dichlorobenzidine	3330	2100		ug/Kg		63	18 - 88
3-Nitroaniline	3330	2280		ug/Kg		69	30 - 94
4-Bromophenyl phenyl ether	3330	3160		ug/Kg		95	59 - 122
4-Chloroaniline	3330	2400		ug/Kg		72	18 - 94
4-Chlorophenyl phenyl ether	3330	3300		ug/Kg		99	66 - 110
4-Nitroaniline	3330	2770		ug/Kg		83	49 - 118
Acenaphthene	3330	3230		ug/Kg		97	62 - 108
Acenaphthylene	3330	3130		ug/Kg		94	67 - 107
Anthracene	3330	3300		ug/Kg		99	69 - 111
Benzo[a]anthracene	3330	3350		ug/Kg		100	68 - 110
Benzo[a]pyrene	3330	3420		ug/Kg		102	72 - 115
Benzo[b]fluoranthene	3330	3550		ug/Kg		106	69 - 119
Benzo[g,h,i]perylene	3330	3150		ug/Kg		95	54 - 128
Benzo[k]fluoranthene	3330	3340		ug/Kg		100	70 - 115
Bis(2-chloroethoxy)methane	3330	2950		ug/Kg		89	65 - 106
Bis(2-chloroethyl)ether	3330	2870		ug/Kg		86	64 - 105
Bis(2-ethylhexyl) phthalate	3330	3410		ug/Kg		102	63 - 125
Butyl benzyl phthalate	3330	3260		ug/Kg		98	65 - 125
Carbazole	3330	3180		ug/Kg		95	66 - 115
Chrysene	3330	3250		ug/Kg		97	70 - 111
Dibenz(a,h)anthracene	3330	3430		ug/Kg		103	60 - 130
Dibenzofuran	3330	3200		ug/Kg		96	67 - 107
Diethyl phthalate	3330	3310		ug/Kg		99	66 - 117
Dimethyl phthalate	3330	3340		ug/Kg		100	68 - 112
Di-n-butyl phthalate	3330	3350		ug/Kg		100	67 - 119
Di-n-octyl phthalate	3330	3610		ug/Kg		108	57 - 138
Fluoranthene	3330	3350		ug/Kg		100	64 - 114
Fluorene	3330	3290		ug/Kg		99	66 - 110
Hexachlorobenzene	3330	3400		ug/Kg		102	57 - 128
Hexachlorobutadiene	3330	3230		ug/Kg		97	60 - 108
Hexachlorocyclopentadiene	3330	2650		ug/Kg		80	50 - 129
Hexachloroethane	3330	2830		ug/Kg		85	63 - 99
Indeno[1,2,3-cd]pyrene	3330	3480		ug/Kg		104	53 - 137
Isophorone	3330	3060		ug/Kg		92	68 - 111
Naphthalene	3330	3070		ug/Kg		92	65 - 102
Nitrobenzene	3330	3120		ug/Kg		94	66 - 108
N-Nitrosodi-n-propylamine	3330	3070		ug/Kg		92	63 - 117
N-Nitrosodiphenylamine	3330	3180		ug/Kg		95	65 - 114
Phenanthrene	3330	3310		ug/Kg		99	68 - 111
Pyrene	3330	3220		ug/Kg		97	64 - 121

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

Lab Sample ID: LCS 460-385919/2-A
Matrix: Solid
Analysis Batch: 385995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385919

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	97	*	38 - 95
Nitrobenzene-d5 (Surr)	87		37 - 94
Terphenyl-d14 (Surr)	94		24 - 109

Lab Sample ID: 460-118857-5 MS
Matrix: Solid
Analysis Batch: 385995

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385919

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	35	U	3500	2760		ug/Kg	☼	79	62 - 104
1,2-Dichlorobenzene	350	U	3500	2620		ug/Kg	☼	75	64 - 98
1,3-Dichlorobenzene	350	U	3500	2570		ug/Kg	☼	73	62 - 96
1,4-Dichlorobenzene	350	U	3500	2560		ug/Kg	☼	73	63 - 97
2,2'-oxybis[1-chloropropane]	350	U	3500	2460		ug/Kg	☼	70	39 - 122
2,4-Dinitrotoluene	70	U	3500	3330		ug/Kg	☼	95	66 - 122
2,6-Dinitrotoluene	70	U	3500	3120		ug/Kg	☼	89	70 - 114
2-Chloronaphthalene	350	U	3500	2890		ug/Kg	☼	82	63 - 107
2-Methylnaphthalene	21	J	3500	2840		ug/Kg	☼	81	65 - 104
2-Nitroaniline	350	U	3500	2160		ug/Kg	☼	62	57 - 114
3,3'-Dichlorobenzidine	140	U	3500	391	*	ug/Kg	☼	11	18 - 88
3-Nitroaniline	350	U	3500	1860		ug/Kg	☼	53	30 - 94
4-Bromophenyl phenyl ether	350	U	3500	3020		ug/Kg	☼	86	59 - 122
4-Chloroaniline	350	U	3500	293	J *	ug/Kg	☼	8	18 - 94
4-Chlorophenyl phenyl ether	350	U	3500	3030		ug/Kg	☼	87	66 - 110
4-Nitroaniline	350	U	3500	1970		ug/Kg	☼	56	49 - 118
Acenaphthene	350	U	3500	2970		ug/Kg	☼	85	62 - 108
Acenaphthylene	11	J	3500	2840		ug/Kg	☼	81	67 - 107
Anthracene	350	U	3500	2990		ug/Kg	☼	85	69 - 111
Benzo[a]anthracene	140		3500	3080		ug/Kg	☼	84	68 - 110
Benzo[a]pyrene	120		3500	3010		ug/Kg	☼	83	72 - 115
Benzo[b]fluoranthene	150		3500	2920		ug/Kg	☼	79	69 - 119
Benzo[g,h,i]perylene	96	J	3500	3210		ug/Kg	☼	89	54 - 128
Benzo[k]fluoranthene	69		3500	3010		ug/Kg	☼	84	70 - 115
Bis(2-chloroethoxy)methane	350	U	3500	2660		ug/Kg	☼	76	65 - 106
Bis(2-chloroethyl)ether	35	U	3500	2560		ug/Kg	☼	73	64 - 105
Bis(2-ethylhexyl) phthalate	42	J	3500	3210		ug/Kg	☼	91	63 - 125
Butyl benzyl phthalate	350	U	3500	3130		ug/Kg	☼	90	65 - 125
Carbazole	350	U	3500	2880		ug/Kg	☼	82	66 - 115
Chrysene	160	J	3500	3000		ug/Kg	☼	81	70 - 111
Dibenz(a,h)anthracene	27	J	3500	3590		ug/Kg	☼	102	60 - 130
Dibenzofuran	350	U	3500	2940		ug/Kg	☼	84	67 - 107
Diethyl phthalate	350	U	3500	3330		ug/Kg	☼	95	66 - 117
Dimethyl phthalate	350	U	3500	3380		ug/Kg	☼	97	68 - 112
Di-n-butyl phthalate	23	J	3500	3390		ug/Kg	☼	96	67 - 119
Di-n-octyl phthalate	350	U	3500	3000		ug/Kg	☼	86	57 - 138
Fluoranthene	260	J	3500	3100		ug/Kg	☼	81	64 - 114
Fluorene	350	U	3500	3000		ug/Kg	☼	86	66 - 110
Hexachlorobenzene	35	U	3500	3140		ug/Kg	☼	90	57 - 128

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

Lab Sample ID: 460-118857-5 MS — **Client Sample ID: SB-8 (2-4) 08182016**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385995 — **Prep Batch: 385919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	70	U	3500	2860		ug/Kg	☼	82	60 - 108
Hexachlorocyclopentadiene	350	U	3500	266	J *	ug/Kg	☼	8	50 - 129
Hexachloroethane	35	U	3500	2260		ug/Kg	☼	65	63 - 99
Indeno[1,2,3-cd]pyrene	90		3500	3530		ug/Kg	☼	98	53 - 137
Isophorone	140	U	3500	2870		ug/Kg	☼	82	68 - 111
Naphthalene	18	J	3500	2770		ug/Kg	☼	79	65 - 102
Nitrobenzene	35	U	3500	2010	*	ug/Kg	☼	57	66 - 108
N-Nitrosodi-n-propylamine	35	U	3500	2790		ug/Kg	☼	80	63 - 117
N-Nitrosodiphenylamine	350	U	3500	2900		ug/Kg	☼	83	65 - 114
Phenanthrene	110	J	3500	3040		ug/Kg	☼	84	68 - 111
Pyrene	240	J	3500	2790		ug/Kg	☼	73	64 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*38 - 95*
Nitrobenzene-d5 (Surr)	*75*		*37 - 94*
Terphenyl-d14 (Surr)	*79*		*24 - 109*

Lab Sample ID: 460-118857-5 MSD — **Client Sample ID: SB-8 (2-4) 08182016**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385995 — **Prep Batch: 385919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	35	U	3510	2880		ug/Kg	☼	82	62 - 104	4	30
1,2-Dichlorobenzene	350	U	3510	2680		ug/Kg	☼	76	64 - 98	2	30
1,3-Dichlorobenzene	350	U	3510	2600		ug/Kg	☼	74	62 - 96	1	30
1,4-Dichlorobenzene	350	U	3510	2620		ug/Kg	☼	75	63 - 97	2	30
2,2'-oxybis[1-chloropropane]	350	U	3510	2500		ug/Kg	☼	71	39 - 122	1	30
2,4-Dinitrotoluene	70	U	3510	3430		ug/Kg	☼	98	66 - 122	3	30
2,6-Dinitrotoluene	70	U	3510	3300		ug/Kg	☼	94	70 - 114	6	30
2-Chloronaphthalene	350	U	3510	2980		ug/Kg	☼	85	63 - 107	3	30
2-Methylnaphthalene	21	J	3510	2990		ug/Kg	☼	85	65 - 104	5	30
2-Nitroaniline	350	U	3510	2270		ug/Kg	☼	65	57 - 114	5	30
3,3'-Dichlorobenzidine	140	U	3510	400	*	ug/Kg	☼	11	18 - 88	2	30
3-Nitroaniline	350	U	3510	1870		ug/Kg	☼	53	30 - 94	0	30
4-Bromophenyl phenyl ether	350	U	3510	3080		ug/Kg	☼	88	59 - 122	2	30
4-Chloroaniline	350	U	3510	306	J *	ug/Kg	☼	9	18 - 94	4	30
4-Chlorophenyl phenyl ether	350	U	3510	3130		ug/Kg	☼	89	66 - 110	3	30
4-Nitroaniline	350	U	3510	2210		ug/Kg	☼	63	49 - 118	12	30
Acenaphthene	350	U	3510	3050		ug/Kg	☼	87	62 - 108	3	30
Acenaphthylene	11	J	3510	2950		ug/Kg	☼	84	67 - 107	3	30
Anthracene	350	U	3510	3080		ug/Kg	☼	88	69 - 111	3	30
Benzo[a]anthracene	140		3510	3160		ug/Kg	☼	86	68 - 110	3	30
Benzo[a]pyrene	120		3510	3160		ug/Kg	☼	87	72 - 115	5	30
Benzo[b]fluoranthene	150		3510	3240		ug/Kg	☼	88	69 - 119	10	30
Benzo[g,h,i]perylene	96	J	3510	3330		ug/Kg	☼	92	54 - 128	3	30
Benzo[k]fluoranthene	69		3510	2940		ug/Kg	☼	82	70 - 115	2	30
Bis(2-chloroethoxy)methane	350	U	3510	2780		ug/Kg	☼	79	65 - 106	5	30
Bis(2-chloroethyl)ether	35	U	3510	2600		ug/Kg	☼	74	64 - 105	2	30

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

Lab Sample ID: 460-118857-5 MSD
Matrix: Solid
Analysis Batch: 385995

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385919

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	42	J	3510	3300		ug/Kg	☼	93	63 - 125	3	30
Butyl benzyl phthalate	350	U	3510	3190		ug/Kg	☼	91	65 - 125	2	30
Carbazole	350	U	3510	2970		ug/Kg	☼	85	66 - 115	3	30
Chrysene	160	J	3510	3000		ug/Kg	☼	81	70 - 111	0	30
Dibenz(a,h)anthracene	27	J	3510	3690		ug/Kg	☼	105	60 - 130	3	30
Dibenzofuran	350	U	3510	3040		ug/Kg	☼	87	67 - 107	3	30
Diethyl phthalate	350	U	3510	3460		ug/Kg	☼	99	66 - 117	4	30
Dimethyl phthalate	350	U	3510	3510		ug/Kg	☼	100	68 - 112	4	30
Di-n-butyl phthalate	23	J	3510	3530		ug/Kg	☼	100	67 - 119	4	30
Di-n-octyl phthalate	350	U	3510	3140		ug/Kg	☼	89	57 - 138	4	30
Fluoranthene	260	J	3510	3190		ug/Kg	☼	84	64 - 114	3	30
Fluorene	350	U	3510	3110		ug/Kg	☼	89	66 - 110	3	30
Hexachlorobenzene	35	U	3510	3240		ug/Kg	☼	92	57 - 128	3	30
Hexachlorobutadiene	70	U	3510	3000		ug/Kg	☼	85	60 - 108	5	30
Hexachlorocyclopentadiene	350	U	3510	299	J *	ug/Kg	☼	9	50 - 129	12	30
Hexachloroethane	35	U	3510	2330		ug/Kg	☼	66	63 - 99	3	30
Indeno[1,2,3-cd]pyrene	90		3510	3640		ug/Kg	☼	101	53 - 137	3	30
Isophorone	140	U	3510	2980		ug/Kg	☼	85	68 - 111	4	30
Naphthalene	18	J	3510	2870		ug/Kg	☼	81	65 - 102	4	30
Nitrobenzene	35	U	3510	2110	*	ug/Kg	☼	60	66 - 108	5	30
N-Nitrosodi-n-propylamine	35	U	3510	2870		ug/Kg	☼	82	63 - 117	3	30
N-Nitrosodiphenylamine	350	U	3510	3010		ug/Kg	☼	86	65 - 114	4	30
Phenanthrene	110	J	3510	3130		ug/Kg	☼	86	68 - 111	3	30
Pyrene	240	J	3510	2860		ug/Kg	☼	75	64 - 121	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*38 - 95*
Nitrobenzene-d5 (Surr)	*79*		*37 - 94*
Terphenyl-d14 (Surr)	*82*		*24 - 109*

Lab Sample ID: MB 460-385924/1-A
Matrix: Water
Analysis Batch: 386360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.61	ug/L		08/20/16 13:50	08/24/16 02:00	1
1,2-Dichlorobenzene	10	U	10	0.83	ug/L		08/20/16 13:50	08/24/16 02:00	1
1,3-Dichlorobenzene	10	U	10	1.1	ug/L		08/20/16 13:50	08/24/16 02:00	1
1,4-Dichlorobenzene	10	U	10	0.66	ug/L		08/20/16 13:50	08/24/16 02:00	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.93	ug/L		08/20/16 13:50	08/24/16 02:00	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		08/20/16 13:50	08/24/16 02:00	1
2,6-Dinitrotoluene	2.0	U	2.0	0.88	ug/L		08/20/16 13:50	08/24/16 02:00	1
2-Chloronaphthalene	10	U	10	0.61	ug/L		08/20/16 13:50	08/24/16 02:00	1
2-Methylnaphthalene	10	U	10	0.88	ug/L		08/20/16 13:50	08/24/16 02:00	1
2-Nitroaniline	10	U	10	0.65	ug/L		08/20/16 13:50	08/24/16 02:00	1
3,3'-Dichlorobenzidine	10	U	10	1.0	ug/L		08/20/16 13:50	08/24/16 02:00	1
3-Nitroaniline	10	U	10	0.82	ug/L		08/20/16 13:50	08/24/16 02:00	1
4-Bromophenyl phenyl ether	10	U	10	1.0	ug/L		08/20/16 13:50	08/24/16 02:00	1

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

Lab Sample ID: MB 460-385924/1-A
Matrix: Water
Analysis Batch: 386360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	10	U	10	0.73	ug/L		08/20/16 13:50	08/24/16 02:00	1
4-Chlorophenyl phenyl ether	10	U	10	0.96	ug/L		08/20/16 13:50	08/24/16 02:00	1
4-Nitroaniline	10	U	10	0.48	ug/L		08/20/16 13:50	08/24/16 02:00	1
Acenaphthene	10	U	10	0.88	ug/L		08/20/16 13:50	08/24/16 02:00	1
Acenaphthylene	10	U	10	0.65	ug/L		08/20/16 13:50	08/24/16 02:00	1
Anthracene	10	U	10	0.57	ug/L		08/20/16 13:50	08/24/16 02:00	1
Benzo[a]anthracene	1.0	U	1.0	0.55	ug/L		08/20/16 13:50	08/24/16 02:00	1
Benzo[a]pyrene	1.0	U	1.0	0.16	ug/L		08/20/16 13:50	08/24/16 02:00	1
Benzo[b]fluoranthene	1.0	U	1.0	0.44	ug/L		08/20/16 13:50	08/24/16 02:00	1
Benzo[g,h,i]perylene	10	U	10	0.75	ug/L		08/20/16 13:50	08/24/16 02:00	1
Benzo[k]fluoranthene	1.0	U	1.0	0.18	ug/L		08/20/16 13:50	08/24/16 02:00	1
Bis(2-chloroethoxy)methane	10	U	10	0.69	ug/L		08/20/16 13:50	08/24/16 02:00	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.12	ug/L		08/20/16 13:50	08/24/16 02:00	1
Bis(2-ethylhexyl) phthalate	1.44	J	2.0	0.72	ug/L		08/20/16 13:50	08/24/16 02:00	1
Butyl benzyl phthalate	10	U	10	0.60	ug/L		08/20/16 13:50	08/24/16 02:00	1
Carbazole	10	U	10	0.85	ug/L		08/20/16 13:50	08/24/16 02:00	1
Chrysene	2.0	U	2.0	0.67	ug/L		08/20/16 13:50	08/24/16 02:00	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.090	ug/L		08/20/16 13:50	08/24/16 02:00	1
Dibenzofuran	10	U	10	0.85	ug/L		08/20/16 13:50	08/24/16 02:00	1
Diethyl phthalate	10	U	10	1.0	ug/L		08/20/16 13:50	08/24/16 02:00	1
Dimethyl phthalate	10	U	10	0.98	ug/L		08/20/16 13:50	08/24/16 02:00	1
Di-n-butyl phthalate	10	U	10	0.82	ug/L		08/20/16 13:50	08/24/16 02:00	1
Di-n-octyl phthalate	10	U	10	0.69	ug/L		08/20/16 13:50	08/24/16 02:00	1
Fluoranthene	10	U	10	0.72	ug/L		08/20/16 13:50	08/24/16 02:00	1
Fluorene	10	U	10	0.80	ug/L		08/20/16 13:50	08/24/16 02:00	1
Hexachlorobenzene	1.0	U	1.0	0.47	ug/L		08/20/16 13:50	08/24/16 02:00	1
Hexachlorobutadiene	1.0	U	1.0	0.76	ug/L		08/20/16 13:50	08/24/16 02:00	1
Hexachlorocyclopentadiene	10	U	10	0.61	ug/L		08/20/16 13:50	08/24/16 02:00	1
Hexachloroethane	1.0	U	1.0	0.090	ug/L		08/20/16 13:50	08/24/16 02:00	1
Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.21	ug/L		08/20/16 13:50	08/24/16 02:00	1
Isophorone	10	U	10	0.67	ug/L		08/20/16 13:50	08/24/16 02:00	1
Naphthalene	10	U	10	0.80	ug/L		08/20/16 13:50	08/24/16 02:00	1
Nitrobenzene	1.0	U	1.0	0.49	ug/L		08/20/16 13:50	08/24/16 02:00	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.83	ug/L		08/20/16 13:50	08/24/16 02:00	1
N-Nitrosodiphenylamine	10	U	10	0.74	ug/L		08/20/16 13:50	08/24/16 02:00	1
Phenanthrene	10	U	10	0.65	ug/L		08/20/16 13:50	08/24/16 02:00	1
Pyrene	10	U	10	0.83	ug/L		08/20/16 13:50	08/24/16 02:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*45 - 107*	*08/20/16 13:50*	*08/24/16 02:00*	*1*
Nitrobenzene-d5 (Surr)	*96*		*51 - 108*	*08/20/16 13:50*	*08/24/16 02:00*	*1*
Terphenyl-d14 (Surr)	*117*		*40 - 148*	*08/20/16 13:50*	*08/24/16 02:00*	*1*

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

Lab Sample ID: LCS 460-385924/2-A
Matrix: Water
Analysis Batch: 386455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	80.0	52.3		ug/L		65	43 - 98
1,2-Dichlorobenzene	80.0	53.6		ug/L		67	42 - 95
1,3-Dichlorobenzene	80.0	45.9		ug/L		57	40 - 92
1,4-Dichlorobenzene	80.0	48.6		ug/L		61	42 - 94
2,2'-oxybis[1-chloropropane]	80.0	66.3		ug/L		83	50 - 108
2,4-Dinitrotoluene	80.0	81.2		ug/L		102	70 - 123
2,6-Dinitrotoluene	80.0	73.1		ug/L		91	68 - 121
2-Chloronaphthalene	80.0	51.6		ug/L		65	54 - 105
2-Methylnaphthalene	80.0	53.8		ug/L		67	47 - 104
2-Nitroaniline	80.0	70.1		ug/L		88	46 - 124
3,3'-Dichlorobenzidine	80.0	80.2		ug/L		100	68 - 123
3-Nitroaniline	80.0	76.8		ug/L		96	60 - 117
4-Bromophenyl phenyl ether	80.0	70.7		ug/L		88	57 - 126
4-Chloroaniline	80.0	75.6		ug/L		94	51 - 108
4-Chlorophenyl phenyl ether	80.0	70.1		ug/L		88	60 - 114
4-Nitroaniline	80.0	71.8		ug/L		90	48 - 135
Acenaphthene	80.0	55.5		ug/L		69	58 - 107
Acenaphthylene	80.0	60.9		ug/L		76	61 - 106
Anthracene	80.0	78.1		ug/L		98	70 - 118
Benzo[a]anthracene	80.0	84.9		ug/L		106	73 - 119
Benzo[a]pyrene	80.0	79.4		ug/L		99	76 - 125
Benzo[b]fluoranthene	80.0	76.4		ug/L		95	78 - 123
Benzo[g,h,i]perylene	80.0	77.2		ug/L		97	63 - 133
Benzo[k]fluoranthene	80.0	80.6		ug/L		101	71 - 126
Bis(2-chloroethoxy)methane	80.0	75.1		ug/L		94	67 - 104
Bis(2-chloroethyl)ether	80.0	61.6		ug/L		77	63 - 106
Bis(2-ethylhexyl) phthalate	80.0	81.4		ug/L		102	63 - 135
Butyl benzyl phthalate	80.0	87.1		ug/L		109	66 - 129
Carbazole	80.0	83.1		ug/L		104	68 - 121
Chrysene	80.0	83.1		ug/L		104	73 - 121
Dibenz(a,h)anthracene	80.0	90.6		ug/L		113	59 - 136
Dibenzofuran	80.0	63.3		ug/L		79	67 - 108
Diethyl phthalate	80.0	77.7		ug/L		97	61 - 129
Dimethyl phthalate	80.0	78.5		ug/L		98	65 - 121
Di-n-butyl phthalate	80.0	84.0		ug/L		105	64 - 130
Di-n-octyl phthalate	80.0	83.5		ug/L		104	64 - 131
Fluoranthene	80.0	87.9		ug/L		110	66 - 123
Fluorene	80.0	70.2		ug/L		88	67 - 112
Hexachlorobenzene	80.0	78.3		ug/L		98	63 - 125
Hexachlorobutadiene	80.0	48.3		ug/L		60	34 - 99
Hexachlorocyclopentadiene	80.0	34.7		ug/L		43	18 - 99
Hexachloroethane	80.0	56.6		ug/L		71	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	82.8		ug/L		104	57 - 142
Isophorone	80.0	76.8		ug/L		96	55 - 105
Naphthalene	80.0	53.2		ug/L		67	51 - 98
Nitrobenzene	80.0	74.8		ug/L		94	56 - 106
N-Nitrosodi-n-propylamine	80.0	82.8		ug/L		104	48 - 118
N-Nitrosodiphenylamine	80.0	76.5		ug/L		96	69 - 118

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

Lab Sample ID: LCS 460-385924/2-A
Matrix: Water
Analysis Batch: 386455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	80.0	79.1		ug/L		99	70 - 117
Pyrene	80.0	78.0		ug/L		98	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*45 - 107*
Nitrobenzene-d5 (Surr)	*87*		*51 - 108*
Terphenyl-d14 (Surr)	*92*		*40 - 148*

Lab Sample ID: LCSD 460-385924/3-A
Matrix: Water
Analysis Batch: 386360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 385924

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	80.0	46.3		ug/L		58	43 - 98	12	30
1,2-Dichlorobenzene	80.0	47.7		ug/L		60	42 - 95	12	30
1,3-Dichlorobenzene	80.0	45.3		ug/L		57	40 - 92	1	30
1,4-Dichlorobenzene	80.0	44.7		ug/L		56	42 - 94	8	30
2,2'-oxybis[1-chloropropane]	80.0	64.3		ug/L		80	50 - 108	3	30
2,4-Dinitrotoluene	80.0	87.0		ug/L		109	70 - 123	7	30
2,6-Dinitrotoluene	80.0	71.3		ug/L		89	68 - 121	3	30
2-Chloronaphthalene	80.0	54.8		ug/L		69	54 - 105	6	30
2-Methylnaphthalene	80.0	54.3		ug/L		68	47 - 104	1	30
2-Nitroaniline	80.0	69.1		ug/L		86	46 - 124	1	30
3,3'-Dichlorobenzidine	80.0	84.9		ug/L		106	68 - 123	6	30
3-Nitroaniline	80.0	74.3		ug/L		93	60 - 117	3	30
4-Bromophenyl phenyl ether	80.0	77.5		ug/L		97	57 - 126	9	30
4-Chloroaniline	80.0	70.3		ug/L		88	51 - 108	7	30
4-Chlorophenyl phenyl ether	80.0	71.3		ug/L		89	60 - 114	2	30
4-Nitroaniline	80.0	68.6		ug/L		86	48 - 135	4	30
Acenaphthene	80.0	61.7		ug/L		77	58 - 107	11	30
Acenaphthylene	80.0	62.4		ug/L		78	61 - 106	2	30
Anthracene	80.0	80.0		ug/L		100	70 - 118	2	30
Benzo[a]anthracene	80.0	83.1		ug/L		104	73 - 119	2	30
Benzo[a]pyrene	80.0	74.2		ug/L		93	76 - 125	7	30
Benzo[b]fluoranthene	80.0	73.6		ug/L		92	78 - 123	4	30
Benzo[g,h,i]perylene	80.0	76.1		ug/L		95	63 - 133	1	30
Benzo[k]fluoranthene	80.0	77.3		ug/L		97	71 - 126	4	30
Bis(2-chloroethoxy)methane	80.0	75.7		ug/L		95	67 - 104	1	30
Bis(2-chloroethyl)ether	80.0	61.7		ug/L		77	63 - 106	0	30
Bis(2-ethylhexyl) phthalate	80.0	82.4		ug/L		103	63 - 135	1	30
Butyl benzyl phthalate	80.0	84.0		ug/L		105	66 - 129	4	30
Carbazole	80.0	86.1		ug/L		108	68 - 121	4	30
Chrysene	80.0	80.9		ug/L		101	73 - 121	3	30
Dibenz(a,h)anthracene	80.0	87.6		ug/L		110	59 - 136	3	30
Dibenzofuran	80.0	65.1		ug/L		81	67 - 108	3	30
Diethyl phthalate	80.0	72.5		ug/L		91	61 - 129	7	30
Dimethyl phthalate	80.0	78.8		ug/L		98	65 - 121	0	30
Di-n-butyl phthalate	80.0	83.4		ug/L		104	64 - 130	1	30

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

Lab Sample ID: LCSD 460-385924/3-A
Matrix: Water
Analysis Batch: 386360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 385924

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-octyl phthalate			80.0	78.1		ug/L		98	64 - 131	7	30
Fluoranthene			80.0	84.4		ug/L		106	66 - 123	4	30
Fluorene			80.0	71.9		ug/L		90	67 - 112	2	30
Hexachlorobenzene			80.0	76.0		ug/L		95	63 - 125	3	30
Hexachlorobutadiene			80.0	43.2		ug/L		54	34 - 99	11	30
Hexachlorocyclopentadiene			80.0	34.0		ug/L		42	18 - 99	2	30
Hexachloroethane			80.0	44.5		ug/L		56	39 - 92	24	30
Indeno[1,2,3-cd]pyrene			80.0	81.5		ug/L		102	57 - 142	2	30
Isophorone			80.0	73.1		ug/L		91	55 - 105	5	30
Naphthalene			80.0	52.7		ug/L		66	51 - 98	1	30
Nitrobenzene			80.0	74.8		ug/L		93	56 - 106	0	30
N-Nitrosodi-n-propylamine			80.0	79.2		ug/L		99	48 - 118	4	30
N-Nitrosodiphenylamine			80.0	76.4		ug/L		95	69 - 118	0	30
Phenanthrene			80.0	78.9		ug/L		99	70 - 117	0	30
Pyrene			80.0	82.3		ug/L		103	63 - 129	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*45 - 107*
Nitrobenzene-d5 (Surr)	*84*		*51 - 108*
Terphenyl-d14 (Surr)	*91*		*40 - 148*

Lab Sample ID: MB 460-386078/1-A
Matrix: Solid
Analysis Batch: 386228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	33	U	33	7.3	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
1,2-Dichlorobenzene	330	U	330	11	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
1,3-Dichlorobenzene	330	U	330	26	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
1,4-Dichlorobenzene	330	U	330	26	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
2,2'-oxybis[1-chloropropane]	330	U	330	14	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
2-Nitroaniline	330	U	330	11	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
4-Nitroaniline	330	U	330	13	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Acenaphthene	330	U	330	8.0	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Acenaphthylene	330	U	330	8.5	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Anthracene	330	U	330	31	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		08/22/16 12:27	08/23/16 09:36	1

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

Lab Sample ID: MB 460-386078/1-A
Matrix: Solid
Analysis Batch: 386228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Carbazole	330	U	330	8.2	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Chrysene	330	U	330	9.0	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Dibenzofuran	330	U	330	10	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Dimethyl phthalate	330	U	330	9.6	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Fluoranthene	330	U	330	9.8	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Fluorene	330	U	330	7.2	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Hexachlorobenzene	33	U	33	13	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Hexachloroethane	33	U	33	12	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Isophorone	130	U	130	7.1	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Naphthalene	330	U	330	8.4	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Nitrobenzene	33	U	33	10	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Phenanthrene	330	U	330	8.8	ug/Kg		08/22/16 12:27	08/23/16 09:36	1
Pyrene	330	U	330	15	ug/Kg		08/22/16 12:27	08/23/16 09:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*38 - 95*	*08/22/16 12:27*	*08/23/16 09:36*	*1*
Nitrobenzene-d5 (Surr)	*78*		*37 - 94*	*08/22/16 12:27*	*08/23/16 09:36*	*1*
Terphenyl-d14 (Surr)	*88*		*24 - 109*	*08/22/16 12:27*	*08/23/16 09:36*	*1*

Lab Sample ID: LCS 460-386078/2-A
Matrix: Solid
Analysis Batch: 386228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	3330	2990		ug/Kg		90	62 - 104
1,2-Dichlorobenzene	3330	2870		ug/Kg		86	64 - 98
1,3-Dichlorobenzene	3330	2780		ug/Kg		84	62 - 96
1,4-Dichlorobenzene	3330	2810		ug/Kg		84	63 - 97
2,2'-oxybis[1-chloropropane]	3330	2710		ug/Kg		81	39 - 122
2,4-Dinitrotoluene	3330	3370		ug/Kg		101	66 - 122
2,6-Dinitrotoluene	3330	3320		ug/Kg		100	70 - 114
2-Chloronaphthalene	3330	3070		ug/Kg		92	63 - 107
2-Methylnaphthalene	3330	3000		ug/Kg		90	65 - 104

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

Lab Sample ID: LCS 460-386078/2-A
Matrix: Solid
Analysis Batch: 386228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	3330	2810		ug/Kg		84	57 - 114
3,3'-Dichlorobenzidine	3330	1980		ug/Kg		59	18 - 88
3-Nitroaniline	3330	1670		ug/Kg		50	30 - 94
4-Bromophenyl phenyl ether	3330	3220		ug/Kg		97	59 - 122
4-Chloroaniline	3330	1410		ug/Kg		42	18 - 94
4-Chlorophenyl phenyl ether	3330	3100		ug/Kg		93	66 - 110
4-Nitroaniline	3330	2880		ug/Kg		86	49 - 118
Acenaphthene	3330	2920		ug/Kg		88	62 - 108
Acenaphthylene	3330	3090		ug/Kg		93	67 - 107
Anthracene	3330	3170		ug/Kg		95	69 - 111
Benzo[a]anthracene	3330	3280		ug/Kg		99	68 - 110
Benzo[a]pyrene	3330	3570		ug/Kg		107	72 - 115
Benzo[b]fluoranthene	3330	3560		ug/Kg		107	69 - 119
Benzo[g,h,i]perylene	3330	3550		ug/Kg		107	54 - 128
Benzo[k]fluoranthene	3330	3200		ug/Kg		96	70 - 115
Bis(2-chloroethoxy)methane	3330	2970		ug/Kg		89	65 - 106
Bis(2-chloroethyl)ether	3330	3050		ug/Kg		91	64 - 105
Bis(2-ethylhexyl) phthalate	3330	3280		ug/Kg		98	63 - 125
Butyl benzyl phthalate	3330	3210		ug/Kg		96	65 - 125
Carbazole	3330	3170		ug/Kg		95	66 - 115
Chrysene	3330	3260		ug/Kg		98	70 - 111
Dibenz(a,h)anthracene	3330	3270		ug/Kg		98	60 - 130
Dibenzofuran	3330	3070		ug/Kg		92	67 - 107
Diethyl phthalate	3330	3110		ug/Kg		93	66 - 117
Dimethyl phthalate	3330	3150		ug/Kg		95	68 - 112
Di-n-butyl phthalate	3330	3190		ug/Kg		96	67 - 119
Di-n-octyl phthalate	3330	3360		ug/Kg		101	57 - 138
Fluoranthene	3330	3200		ug/Kg		96	64 - 114
Fluorene	3330	3050		ug/Kg		92	66 - 110
Hexachlorobenzene	3330	3550		ug/Kg		106	57 - 128
Hexachlorobutadiene	3330	3010		ug/Kg		90	60 - 108
Hexachlorocyclopentadiene	3330	3130		ug/Kg		94	50 - 129
Hexachloroethane	3330	2710		ug/Kg		81	63 - 99
Indeno[1,2,3-cd]pyrene	3330	3290		ug/Kg		99	53 - 137
Isophorone	3330	2960		ug/Kg		89	68 - 111
Naphthalene	3330	2950		ug/Kg		88	65 - 102
Nitrobenzene	3330	2820		ug/Kg		85	66 - 108
N-Nitrosodi-n-propylamine	3330	2970		ug/Kg		89	63 - 117
N-Nitrosodiphenylamine	3330	3210		ug/Kg		96	65 - 114
Phenanthrene	3330	3180		ug/Kg		95	68 - 111
Pyrene	3330	3240		ug/Kg		97	64 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*38 - 95*
Nitrobenzene-d5 (Surr)	*86*		*37 - 94*
Terphenyl-d14 (Surr)	*97*		*24 - 109*

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

Lab Sample ID: LCS 460-386078/3-A
Matrix: Solid
Analysis Batch: 386228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386078

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*38 - 95*
Nitrobenzene-d5 (Surr)	*76*		*37 - 94*
Terphenyl-d14 (Surr)	*84*		*24 - 109*

Lab Sample ID: 460-118952-F-5-B MSD
Matrix: Solid
Analysis Batch: 386228

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 386078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	34	U	3390	2770		ug/Kg	☼	82	62 - 104	4	30
1,2-Dichlorobenzene	340	U	3390	2660		ug/Kg	☼	78	64 - 98	3	30
1,3-Dichlorobenzene	340	U	3390	2550		ug/Kg	☼	75	62 - 96	5	30
1,4-Dichlorobenzene	340	U	3390	2540		ug/Kg	☼	75	63 - 97	4	30
2,2'-oxybis[1-chloropropane]	340	U	3390	2490		ug/Kg	☼	73	39 - 122	2	30
2,4-Dinitrotoluene	68	U	3390	3060		ug/Kg	☼	90	66 - 122	0	30
2,6-Dinitrotoluene	68	U	3390	3080		ug/Kg	☼	91	70 - 114	2	30
2-Chloronaphthalene	340	U	3390	2780		ug/Kg	☼	82	63 - 107	3	30
2-Methylnaphthalene	340	U	3390	2820		ug/Kg	☼	83	65 - 104	3	30
2-Nitroaniline	340	U	3390	2560		ug/Kg	☼	75	57 - 114	1	30
3,3'-Dichlorobenzidine	140	U	3390	2690		ug/Kg	☼	79	18 - 88	1	30
3-Nitroaniline	340	U	3390	2490		ug/Kg	☼	73	30 - 94	4	30
4-Bromophenyl phenyl ether	340	U	3390	2990		ug/Kg	☼	88	59 - 122	3	30
4-Chloroaniline	340	U	3390	1980		ug/Kg	☼	58	18 - 94	8	30
4-Chlorophenyl phenyl ether	340	U	3390	2870		ug/Kg	☼	85	66 - 110	3	30
4-Nitroaniline	340	U	3390	2840		ug/Kg	☼	84	49 - 118	3	30
Acenaphthene	340	U	3390	2630		ug/Kg	☼	78	62 - 108	4	30
Acenaphthylene	340	U	3390	2820		ug/Kg	☼	83	67 - 107	4	30
Anthracene	340	U	3390	2950		ug/Kg	☼	87	69 - 111	1	30
Benzo[a]anthracene	34	U	3390	2990		ug/Kg	☼	88	68 - 110	2	30
Benzo[a]pyrene	34	U	3390	3070		ug/Kg	☼	91	72 - 115	4	30
Benzo[b]fluoranthene	34	U	3390	3130		ug/Kg	☼	92	69 - 119	3	30
Benzo[g,h,i]perylene	340	U	3390	2600		ug/Kg	☼	77	54 - 128	12	30
Benzo[k]fluoranthene	34	U	3390	2790		ug/Kg	☼	82	70 - 115	5	30
Bis(2-chloroethoxy)methane	340	U	3390	2740		ug/Kg	☼	81	65 - 106	1	30
Bis(2-chloroethyl)ether	34	U	3390	2710		ug/Kg	☼	80	64 - 105	4	30
Bis(2-ethylhexyl) phthalate	20	J	3390	2880		ug/Kg	☼	84	63 - 125	3	30
Butyl benzyl phthalate	340	U	3390	2830		ug/Kg	☼	84	65 - 125	1	30
Carbazole	340	U	3390	2940		ug/Kg	☼	87	66 - 115	1	30
Chrysene	340	U	3390	2910		ug/Kg	☼	86	70 - 111	4	30
Dibenz(a,h)anthracene	34	U	3390	2570		ug/Kg	☼	76	60 - 130	8	30
Dibenzofuran	340	U	3390	2860		ug/Kg	☼	84	67 - 107	2	30
Diethyl phthalate	340	U	3390	2870		ug/Kg	☼	85	66 - 117	0	30
Dimethyl phthalate	340	U	3390	2930		ug/Kg	☼	86	68 - 112	0	30
Di-n-butyl phthalate	15	J	3390	2940		ug/Kg	☼	86	67 - 119	1	30
Di-n-octyl phthalate	340	U	3390	2840		ug/Kg	☼	84	57 - 138	3	30
Fluoranthene	340	U	3390	3030		ug/Kg	☼	89	64 - 114	1	30
Fluorene	340	U	3390	2830		ug/Kg	☼	83	66 - 110	3	30
Hexachlorobenzene	34	U	3390	3220		ug/Kg	☼	95	57 - 128	2	30

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

Lab Sample ID: 460-118952-F-5-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386228 — **Prep Batch: 386078**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	68	U	3390	2750		ug/Kg	☼	81	60 - 108	5	30
Hexachlorocyclopentadiene	340	U	3390	2600		ug/Kg	☼	77	50 - 129	9	30
Hexachloroethane	34	U	3390	2480		ug/Kg	☼	73	63 - 99	4	30
Indeno[1,2,3-cd]pyrene	34	U	3390	2550		ug/Kg	☼	75	53 - 137	7	30
Isophorone	140	U	3390	2740		ug/Kg	☼	81	68 - 111	2	30
Naphthalene	340	U	3390	2730		ug/Kg	☼	81	65 - 102	3	30
Nitrobenzene	34	U	3390	2540		ug/Kg	☼	75	66 - 108	3	30
N-Nitrosodi-n-propylamine	34	U	3390	2780		ug/Kg	☼	82	63 - 117	1	30
N-Nitrosodiphenylamine	340	U	3390	2890		ug/Kg	☼	85	65 - 114	3	30
Phenanthrene	340	U	3390	2940		ug/Kg	☼	87	68 - 111	2	30
Pyrene	340	U	3390	2870		ug/Kg	☼	85	64 - 121	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*38 - 95*
Nitrobenzene-d5 (Surr)	*76*		*37 - 94*
Terphenyl-d14 (Surr)	*84*		*24 - 109*

Lab Sample ID: 460-118952-G-5-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386228 — **Prep Batch: 386078**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	34	U	3390	2890		ug/Kg	☼	85	62 - 104
1,2-Dichlorobenzene	340	U	3390	2730		ug/Kg	☼	80	64 - 98
1,3-Dichlorobenzene	340	U	3390	2670		ug/Kg	☼	79	62 - 96
1,4-Dichlorobenzene	340	U	3390	2640		ug/Kg	☼	78	63 - 97
2,2'-oxybis[1-chloropropane]	340	U	3390	2540		ug/Kg	☼	75	39 - 122
2,4-Dinitrotoluene	68	U	3390	3060		ug/Kg	☼	90	66 - 122
2,6-Dinitrotoluene	68	U	3390	3130		ug/Kg	☼	92	70 - 114
2-Chloronaphthalene	340	U	3390	2870		ug/Kg	☼	85	63 - 107
2-Methylnaphthalene	340	U	3390	2910		ug/Kg	☼	86	65 - 104
2-Nitroaniline	340	U	3390	2600		ug/Kg	☼	77	57 - 114
3,3'-Dichlorobenzidine	140	U	3390	2720		ug/Kg	☼	80	18 - 88
3-Nitroaniline	340	U	3390	2590		ug/Kg	☼	76	30 - 94
4-Bromophenyl phenyl ether	340	U	3390	3090		ug/Kg	☼	91	59 - 122
4-Chloroaniline	340	U	3390	2150		ug/Kg	☼	63	18 - 94
4-Chlorophenyl phenyl ether	340	U	3390	2960		ug/Kg	☼	87	66 - 110
4-Nitroaniline	340	U	3390	2920		ug/Kg	☼	86	49 - 118
Acenaphthene	340	U	3390	2730		ug/Kg	☼	80	62 - 108
Acenaphthylene	340	U	3390	2930		ug/Kg	☼	86	67 - 107
Anthracene	340	U	3390	2990		ug/Kg	☼	88	69 - 111
Benzo[a]anthracene	34	U	3390	3060		ug/Kg	☼	90	68 - 110
Benzo[a]pyrene	34	U	3390	3190		ug/Kg	☼	94	72 - 115
Benzo[b]fluoranthene	34	U	3390	3240		ug/Kg	☼	96	69 - 119
Benzo[g,h,i]perylene	340	U	3390	2950		ug/Kg	☼	87	54 - 128
Benzo[k]fluoranthene	34	U	3390	2930		ug/Kg	☼	86	70 - 115
Bis(2-chloroethoxy)methane	340	U	3390	2780		ug/Kg	☼	82	65 - 106
Bis(2-chloroethyl)ether	34	U	3390	2810		ug/Kg	☼	83	64 - 105

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

Lab Sample ID: 460-118952-G-5-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386228 — **Prep Batch: 386078**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	20	J	3390	2960		ug/Kg	☼	87	63 - 125
Butyl benzyl phthalate	340	U	3390	2880		ug/Kg	☼	85	65 - 125
Carbazole	340	U	3390	2900		ug/Kg	☼	85	66 - 115
Chrysene	340	U	3390	3040		ug/Kg	☼	89	70 - 111
Dibenz(a,h)anthracene	34	U	3390	2770		ug/Kg	☼	82	60 - 130
Dibenzofuran	340	U	3390	2920		ug/Kg	☼	86	67 - 107
Diethyl phthalate	340	U	3390	2870		ug/Kg	☼	85	66 - 117
Dimethyl phthalate	340	U	3390	2950		ug/Kg	☼	87	68 - 112
Di-n-butyl phthalate	15	J	3390	2900		ug/Kg	☼	85	67 - 119
Di-n-octyl phthalate	340	U	3390	2930		ug/Kg	☼	86	57 - 138
Fluoranthene	340	U	3390	3010		ug/Kg	☼	89	64 - 114
Fluorene	340	U	3390	2910		ug/Kg	☼	86	66 - 110
Hexachlorobenzene	34	U	3390	3300		ug/Kg	☼	97	57 - 128
Hexachlorobutadiene	68	U	3390	2880		ug/Kg	☼	85	60 - 108
Hexachlorocyclopentadiene	340	U	3390	2860		ug/Kg	☼	84	50 - 129
Hexachloroethane	34	U	3390	2570		ug/Kg	☼	76	63 - 99
Indeno[1,2,3-cd]pyrene	34	U	3390	2740		ug/Kg	☼	81	53 - 137
Isophorone	140	U	3390	2800		ug/Kg	☼	82	68 - 111
Naphthalene	340	U	3390	2820		ug/Kg	☼	83	65 - 102
Nitrobenzene	34	U	3390	2610		ug/Kg	☼	77	66 - 108
N-Nitrosodi-n-propylamine	34	U	3390	2820		ug/Kg	☼	83	63 - 117
N-Nitrosodiphenylamine	340	U	3390	2980		ug/Kg	☼	88	65 - 114
Phenanthrene	340	U	3390	3000		ug/Kg	☼	88	68 - 111
Pyrene	340	U	3390	3030		ug/Kg	☼	89	64 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*38 - 95*
Nitrobenzene-d5 (Surr)	*78*		*37 - 94*
Terphenyl-d14 (Surr)	*89*		*24 - 109*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-386152/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 386237 — **Prep Batch: 386152**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 07:59	1
Aroclor 1221	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 07:59	1
Aroclor 1232	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 07:59	1
Aroclor 1242	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 07:59	1
Aroclor 1248	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 07:59	1
Aroclor 1254	0.40	U	0.40	0.084	ug/L		08/22/16 19:33	08/23/16 07:59	1
Aroclor 1260	0.40	U	0.40	0.084	ug/L		08/22/16 19:33	08/23/16 07:59	1
Aroclor 1268	0.40	U	0.40	0.084	ug/L		08/22/16 19:33	08/23/16 07:59	1
Aroclor-1262	0.40	U	0.40	0.084	ug/L		08/22/16 19:33	08/23/16 07:59	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.098	ug/L		08/22/16 19:33	08/23/16 07:59	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-386152/1-A
Matrix: Water
Analysis Batch: 386237

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386152

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	119		10 - 150	08/22/16 19:33	08/23/16 07:59	1
DCB Decachlorobiphenyl	114		10 - 150	08/22/16 19:33	08/23/16 07:59	1

Lab Sample ID: LCS 460-386152/2-A
Matrix: Water
Analysis Batch: 386237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386152

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			4.00	4.83		ug/L		121	77 - 150		
Aroclor 1016			4.00	4.54		ug/L		114	77 - 150		
Aroclor 1260			4.00	5.43		ug/L		136	80 - 150		
Aroclor 1260			4.00	4.92		ug/L		123	80 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	121		10 - 150
DCB Decachlorobiphenyl	116		10 - 150

Lab Sample ID: 460-118778-J-10-C MSD
Matrix: Water
Analysis Batch: 386237

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 386152

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.40	U	4.00	5.88		ug/L		147	77 - 150	9	30
Aroclor 1016	0.40	U	4.00	4.10		ug/L		102	77 - 150	3	30
Aroclor 1260	0.40	U	4.00	6.95	*	ug/L		174	80 - 150	15	30
Aroclor 1260	0.40	U	4.00	4.78		ug/L		120	80 - 150	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	158	*	10 - 150
DCB Decachlorobiphenyl	119		10 - 150

Lab Sample ID: 460-118778-K-10-A MS
Matrix: Water
Analysis Batch: 386237

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 386152

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016	0.40	U	4.00	5.35		ug/L		134	77 - 150		
Aroclor 1016	0.40	U	4.00	3.97		ug/L		99	77 - 150		
Aroclor 1260	0.40	U	4.00	5.98		ug/L		150	80 - 150		
Aroclor 1260	0.40	U	4.00	4.40		ug/L		110	80 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	138		10 - 150
DCB Decachlorobiphenyl	108		10 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-386173/1-A
Matrix: Solid
Analysis Batch: 386327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	67	U	67	8.9	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Aroclor 1221	67	U	67	8.9	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Aroclor 1232	67	U	67	8.9	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Aroclor 1242	67	U	67	8.9	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Aroclor 1248	67	U	67	8.9	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Aroclor 1254	67	U	67	9.2	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Aroclor 1260	67	U	67	9.2	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Aroclor 1268	67	U	67	9.2	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Aroclor-1262	67	U	67	9.2	ug/Kg		08/22/16 22:48	08/23/16 14:37	1
Polychlorinated biphenyls, Total	67	U	67	9.2	ug/Kg		08/22/16 22:48	08/23/16 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*117*		*35 - 150*	*08/22/16 22:48*	*08/23/16 14:37*	*1*
DCB Decachlorobiphenyl	*131*		*35 - 150*	*08/22/16 22:48*	*08/23/16 14:37*	*1*

Lab Sample ID: LCS 460-386173/2-A
Matrix: Solid
Analysis Batch: 386327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386173

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			333	375		ug/Kg		112	77 - 150		
Aroclor 1016			333	415		ug/Kg		125	77 - 150		
Aroclor 1260			333	379		ug/Kg		114	79 - 150		
Aroclor 1260			333	412		ug/Kg		124	79 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*107*		*35 - 150*
DCB Decachlorobiphenyl	*118*		*35 - 150*

Lab Sample ID: 460-118857-5 MS
Matrix: Solid
Analysis Batch: 386327

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 386173

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016	71	U	351	421		ug/Kg	☼	120	77 - 150		
Aroclor 1016	71	U	351	470		ug/Kg	☼	134	77 - 150		
Aroclor 1260	71	U	351	427		ug/Kg	☼	122	79 - 150		
Aroclor 1260	71	U	351	470		ug/Kg	☼	134	79 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*118*		*35 - 150*
DCB Decachlorobiphenyl	*129*		*35 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-118857-5 MSD — **Client Sample ID: SB-8 (2-4) 08182016**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386327 — **Prep Batch: 386173**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	71	U	351	377		ug/Kg	☼	107	77 - 150	11	30
Aroclor 1016	71	U	351	407		ug/Kg	☼	116	77 - 150	14	30
Aroclor 1260	71	U	351	379		ug/Kg	☼	108	79 - 150	12	30
Aroclor 1260	71	U	351	412		ug/Kg	☼	118	79 - 150	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*103*		*35 - 150*
DCB Decachlorobiphenyl	*113*		*35 - 150*

Lab Sample ID: MB 460-386175/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386320 — **Prep Batch: 386175**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	67	U	67	8.9	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Aroclor 1221	67	U	67	8.9	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Aroclor 1232	67	U	67	8.9	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Aroclor 1242	67	U	67	8.9	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Aroclor 1248	67	U	67	8.9	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Aroclor 1254	67	U	67	9.2	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Aroclor 1260	67	U	67	9.2	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Aroclor 1268	67	U	67	9.2	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Aroclor-1262	67	U	67	9.2	ug/Kg		08/22/16 22:55	08/23/16 13:35	1
Polychlorinated biphenyls, Total	67	U	67	9.2	ug/Kg		08/22/16 22:55	08/23/16 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*35 - 150*	*08/22/16 22:55*	*08/23/16 13:35*	*1*
DCB Decachlorobiphenyl	*116*		*35 - 150*	*08/22/16 22:55*	*08/23/16 13:35*	*1*

Lab Sample ID: LCS 460-386175/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386320 — **Prep Batch: 386175**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			333	432		ug/Kg		130	77 - 150		
Aroclor 1016			333	384		ug/Kg		115	77 - 150		
Aroclor 1260			333	440		ug/Kg		132	79 - 150		
Aroclor 1260			333	398		ug/Kg		119	79 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*119*		*35 - 150*
DCB Decachlorobiphenyl	*117*		*35 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-118952-D-5-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386320 — **Prep Batch: 386175**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	68	U	340	562	*	ug/Kg	☼	166	77 - 150	8	30
Aroclor 1016	68	U	340	454		ug/Kg	☼	134	77 - 150	11	30
Aroclor 1260	68	U	340	495		ug/Kg	☼	146	79 - 150	2	30
Aroclor 1260	68	U	340	468		ug/Kg	☼	138	79 - 150	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*131*		*35 - 150*
DCB Decachlorobiphenyl	*136*		*35 - 150*

Lab Sample ID: 460-118952-E-5-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386320 — **Prep Batch: 386175**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	68	U	340	517	*	ug/Kg	☼	152	77 - 150
Aroclor 1016	68	U	340	508		ug/Kg	☼	150	77 - 150
Aroclor 1260	68	U	340	483		ug/Kg	☼	142	79 - 150
Aroclor 1260	68	U	340	504		ug/Kg	☼	148	79 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*126*		*35 - 150*
DCB Decachlorobiphenyl	*149*		*35 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-385938/1-A ^2 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385958 — **Prep Batch: 385938**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Antimony	2.0	U	2.0	0.79	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Barium	20.0	U	20.0	0.72	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Calcium	500	U	500	29.6	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Chromium	1.0	U	1.0	0.48	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Copper	2.5	U	2.5	0.65	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Iron	15.0	U	15.0	11.3	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Lead	1.0	U	1.0	0.39	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Magnesium	500	U	500	25.0	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Manganese	1.5	U	1.5	0.53	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Nickel	4.0	U	4.0	0.73	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Potassium	500	U	500	15.2	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Selenium	2.0	U	2.0	0.69	mg/Kg		08/20/16 16:27	08/21/16 11:53	2

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

Lab Sample ID: MB 460-385938/1-A ^2
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.18	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Sodium	500	U	500	33.9	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Thallium	2.0	U	2.0	0.89	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		08/20/16 16:27	08/21/16 11:53	2
Zinc	3.0	U	3.0	0.73	mg/Kg		08/20/16 16:27	08/21/16 11:53	2

Lab Sample ID: LCSSRM 460-385938/2-A ^4
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385938

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8080	7905		mg/Kg		97.8	49.4 - 151.0
Antimony	88.2	50.41		mg/Kg		57.2	2.2 - 197.3
Arsenic	57.0	56.35		mg/Kg		98.9	75.1 - 124.9
Barium	110	117.5		mg/Kg		106.8	82.4 - 118.2
Beryllium	67.5	69.11		mg/Kg		102.4	82.8 - 117.2
Cadmium	77.8	81.40		mg/Kg		104.6	82.8 - 117.2
Calcium	6450	6311		mg/Kg		97.8	82.2 - 117.7
Chromium	65.0	68.21		mg/Kg		104.9	79.1 - 121.1
Cobalt	58.8	62.89		mg/Kg		107.0	83.8 - 116.3
Copper	56.4	55.90		mg/Kg		99.1	80.5 - 119.7
Iron	14700	14920		mg/Kg		101.5	45.6 - 154.4
Magnesium	2710	2592		mg/Kg		95.7	75.6 - 124.0
Manganese	273	291.5		mg/Kg		106.8	81.0 - 118.7
Nickel	61.3	65.94		mg/Kg		107.6	82.5 - 117.5
Potassium	2420	2320		mg/Kg		95.9	69.4 - 131.0
Selenium	78.9	77.30		mg/Kg		98.0	77.6 - 122.4
Silver	54.2	52.68		mg/Kg		97.2	74.7 - 125.3
Sodium	914	875.1	J	mg/Kg		95.7	71.6 - 128.0
Thallium	178	196.3		mg/Kg		110.3	79.2 - 120.2
Vanadium	56.3	57.34		mg/Kg		101.8	77.1 - 122.9
Zinc	198	207.4		mg/Kg		104.7	82.3 - 117.2

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

Lab Sample ID: LCSSRM 460-385938/2-A ^4
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385938

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	85.6	84.39		mg/Kg		98.6	82.0 - 118.0

Lab Sample ID: 460-118857-5 MS
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385938

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7470		174	7773	4	mg/Kg	☼	172	75 - 125
Antimony	3.6	U	43.5	24.13	N	mg/Kg	☼	55	75 - 125
Arsenic	4.2		174	177.0		mg/Kg	☼	99	75 - 125
Barium	200		174	380.9		mg/Kg	☼	104	75 - 125
Beryllium	0.36	U	4.35	4.62		mg/Kg	☼	106	75 - 125
Cadmium	0.72	U	4.35	4.44		mg/Kg	☼	102	75 - 125
Chromium	17.2		17.4	31.70		mg/Kg	☼	84	75 - 125
Cobalt	4.5	J	43.5	47.19		mg/Kg	☼	98	75 - 125
Copper	20.0		21.8	40.16		mg/Kg	☼	93	75 - 125
Iron	11300		87.0	9903	4	mg/Kg	☼	-1599	75 - 125
Magnesium	4930		1740	5712	N	mg/Kg	☼	45	75 - 125
Manganese	256		43.5	234.3	4	mg/Kg	☼	-51	75 - 125
Nickel	12.7		43.5	54.97		mg/Kg	☼	97	75 - 125
Potassium	1330		1740	2824		mg/Kg	☼	86	75 - 125
Selenium	3.6	U	174	168.7		mg/Kg	☼	97	75 - 125
Silver	1.8	U	4.35	4.36		mg/Kg	☼	100	75 - 125
Sodium	276	J	1740	2035		mg/Kg	☼	101	75 - 125
Thallium	3.6	U	174	172.8		mg/Kg	☼	99	75 - 125
Vanadium	19.2		43.5	60.42		mg/Kg	☼	95	75 - 125
Zinc	208		43.5	245.8	4	mg/Kg	☼	87	75 - 125

Lab Sample ID: 460-118857-5 MS
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385938

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	52600		1740	55270	4	mg/Kg	☼	155	75 - 125
Lead	363		43.5	253.2	4	mg/Kg	☼	-252	75 - 125

Lab Sample ID: 460-118857-5 DU
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385938

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	7470		7664		mg/Kg	☼	3	20
Antimony	3.6	U	3.4	U	mg/Kg	☼	NC	20
Arsenic	4.2		6.68		mg/Kg	☼	46	20
Barium	200		202.3		mg/Kg	☼	1	20
Beryllium	0.36	U	0.34	U	mg/Kg	☼	NC	20
Cadmium	0.72	U	0.68	U	mg/Kg	☼	NC	20
Chromium	17.2		24.52	*	mg/Kg	☼	35	20

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

Lab Sample ID: 460-118857-5 DU
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385938

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cobalt	4.5	J	4.68	J	mg/Kg	☼	3	20
Copper	20.0		25.27	*	mg/Kg	☼	23	20
Iron	11300		11750		mg/Kg	☼	4	20
Magnesium	4930		4442		mg/Kg	☼	10	20
Manganese	256		205.9	*	mg/Kg	☼	22	20
Nickel	12.7		12.76		mg/Kg	☼	0.4	20
Potassium	1330		1229		mg/Kg	☼	8	20
Selenium	3.6	U	3.4	U	mg/Kg	☼	NC	20
Silver	1.8	U	1.7	U	mg/Kg	☼	NC	20
Sodium	276	J	354.7	J	mg/Kg	☼	25	20
Thallium	3.6	U	3.4	U	mg/Kg	☼	NC	20
Vanadium	19.2		18.33		mg/Kg	☼	4	20
Zinc	208		248.9		mg/Kg	☼	18	20

Lab Sample ID: 460-118857-5 DU
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 385938

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	52600		57280		mg/Kg	☼	9	20
Lead	363		306.9		mg/Kg	☼	17	20

Lab Sample ID: MB 460-385941/1-A ^2
Matrix: Solid
Analysis Batch: 386100

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Antimony	2.0	U	2.0	0.79	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Barium	20.0	U	20.0	0.72	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Calcium	500	U	500	29.6	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Chromium	1.0	U	1.0	0.48	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Copper	2.5	U	2.5	0.65	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Iron	15.0	U	15.0	11.3	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Lead	1.0	U	1.0	0.39	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Magnesium	500	U	500	25.0	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Manganese	1.5	U	1.5	0.53	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Nickel	4.0	U	4.0	0.73	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Potassium	500	U	500	15.2	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Selenium	2.0	U	2.0	0.69	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Silver	1.0	U	1.0	0.18	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Sodium	500	U	500	33.9	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Thallium	2.0	U	2.0	0.89	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		08/20/16 16:27	08/22/16 11:28	2
Zinc	3.0	U	3.0	0.73	mg/Kg		08/20/16 16:27	08/22/16 11:28	2

Lab Sample ID: LCSSRM 460-385941/2-A ^4
Matrix: Solid
Analysis Batch: 386100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385941

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8080	8091		mg/Kg		100.1	49.4 - 151.0
Antimony	88.2	45.21		mg/Kg		51.3	2.2 - 197.3
Arsenic	57.0	54.38		mg/Kg		95.4	75.1 - 124.9
Barium	110	118.2		mg/Kg		107.4	82.4 - 118.2
Beryllium	67.5	70.75		mg/Kg		104.8	82.8 - 117.2
Cadmium	77.8	80.71		mg/Kg		103.7	82.8 - 117.2
Calcium	6450	6715		mg/Kg		104.1	82.2 - 117.7
Chromium	65.0	70.38		mg/Kg		108.3	79.1 - 121.1
Cobalt	58.8	60.77		mg/Kg		103.4	83.8 - 116.3
Copper	56.4	53.66		mg/Kg		95.1	80.5 - 119.7
Iron	14700	15640		mg/Kg		106.4	45.6 - 154.4
Lead	85.6	83.76		mg/Kg		97.9	82.0 - 118.0
Magnesium	2710	2671		mg/Kg		98.6	75.6 - 124.0
Manganese	273	290.3		mg/Kg		106.3	81.0 - 118.7
Nickel	61.3	63.68		mg/Kg		103.9	82.5 - 117.5
Potassium	2420	2331		mg/Kg		96.3	69.4 - 131.0
Selenium	78.9	80.85		mg/Kg		102.5	77.6 - 122.4
Silver	54.2	53.66		mg/Kg		99.0	74.7 - 125.3
Sodium	914	839.8	J	mg/Kg		91.9	71.6 - 128.0
Thallium	178	185.7		mg/Kg		104.3	79.2 - 120.2
Vanadium	56.3	59.15		mg/Kg		105.1	77.1 - 122.9
Zinc	198	221.0		mg/Kg		111.6	82.3 - 117.2

Lab Sample ID: 460-118876-A-7-C MS ^10
Matrix: Solid
Analysis Batch: 386100

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 385941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	50200		1700	62700	4	mg/Kg	☼	737	75 - 125

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

Lab Sample ID: 460-118876-A-7-C MS ^4
Matrix: Solid
Analysis Batch: 386100

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 385941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	11400		170	11840	4	mg/Kg	☼	235	75 - 125
Antimony	3.6	U	42.6	14.45	N	mg/Kg	☼	34	75 - 125
Arsenic	6.1		170	166.1		mg/Kg	☼	94	75 - 125
Barium	121		170	281.9		mg/Kg	☼	94	75 - 125
Beryllium	0.35	J	4.26	4.91		mg/Kg	☼	107	75 - 125
Cadmium	0.71	U	4.26	4.33		mg/Kg	☼	102	75 - 125
Chromium	26.5		17.0	44.28		mg/Kg	☼	104	75 - 125
Cobalt	6.2	J	42.6	46.79		mg/Kg	☼	95	75 - 125
Copper	33.3		21.3	67.88	N	mg/Kg	☼	162	75 - 125
Iron	18300		85.1	20740	4	mg/Kg	☼	2868	75 - 125
Lead	95.7		42.6	162.4	N	mg/Kg	☼	157	75 - 125
Magnesium	9140		1700	18560	4	mg/Kg	☼	553	75 - 125
Manganese	285		42.6	405.0	4	mg/Kg	☼	282	75 - 125
Nickel	19.2		42.6	60.03		mg/Kg	☼	96	75 - 125
Potassium	2370		1700	3533	N	mg/Kg	☼	68	75 - 125
Selenium	3.6	U	170	167.0		mg/Kg	☼	98	75 - 125
Silver	0.58	J	4.26	4.75		mg/Kg	☼	98	75 - 125
Sodium	908		1700	2419		mg/Kg	☼	89	75 - 125
Thallium	3.6	U	170	156.8		mg/Kg	☼	92	75 - 125
Vanadium	32.6		42.6	77.31		mg/Kg	☼	105	75 - 125
Zinc	146		42.6	191.9		mg/Kg	☼	107	75 - 125

Lab Sample ID: 460-118876-A-7-B DU ^10
Matrix: Solid
Analysis Batch: 386100

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 385941

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	50200		57130		mg/Kg	☼	13	20

Lab Sample ID: 460-118876-A-7-B DU ^4
Matrix: Solid
Analysis Batch: 386100

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 385941

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	11400		12310		mg/Kg	☼	7	20
Antimony	3.6	U	3.5	U	mg/Kg	☼	NC	20
Arsenic	6.1		4.56		mg/Kg	☼	28	20
Barium	121		131.8		mg/Kg	☼	8	20
Beryllium	0.35	J	0.535		mg/Kg	☼	43	20
Cadmium	0.71	U	0.70	U	mg/Kg	☼	NC	20
Chromium	26.5		46.32	*	mg/Kg	☼	54	20
Cobalt	6.2	J	6.91	J	mg/Kg	☼	11	20
Copper	33.3		29.93		mg/Kg	☼	11	20
Iron	18300		18640		mg/Kg	☼	2	20
Lead	95.7		101.9		mg/Kg	☼	6	20
Magnesium	9140		9624		mg/Kg	☼	5	20
Manganese	285		416.0	*	mg/Kg	☼	37	20
Nickel	19.2		15.93		mg/Kg	☼	19	20

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

Lab Sample ID: 460-118876-A-7-B DU ^4
Matrix: Solid
Analysis Batch: 386100

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 385941

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Potassium	2370		2407		mg/Kg	☼	2	20
Selenium	3.6	U	3.5	U	mg/Kg	☼	NC	20
Silver	0.58	J	0.575	J	mg/Kg	☼	1	20
Sodium	908		806.8	J	mg/Kg	☼	12	20
Thallium	3.6	U	3.5	U	mg/Kg	☼	NC	20
Vanadium	32.6		35.68		mg/Kg	☼	9	20
Zinc	146		147.3		mg/Kg	☼	0.6	20

Lab Sample ID: MB 460-385942/1-A ^2
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Antimony	2.0	U	2.0	0.79	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Barium	20.0	U	20.0	0.72	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Calcium	500	U	500	29.6	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Chromium	1.0	U	1.0	0.48	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Copper	2.5	U	2.5	0.65	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Iron	15.0	U	15.0	11.3	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Lead	1.0	U	1.0	0.39	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Magnesium	500	U	500	25.0	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Manganese	1.5	U	1.5	0.53	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Nickel	4.0	U	4.0	0.73	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Potassium	500	U	500	15.2	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Selenium	2.0	U	2.0	0.69	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Silver	1.0	U	1.0	0.18	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Sodium	500	U	500	33.9	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Thallium	2.0	U	2.0	0.89	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		08/20/16 18:17	08/21/16 17:21	2
Zinc	3.0	U	3.0	0.73	mg/Kg		08/20/16 18:17	08/21/16 17:21	2

Lab Sample ID: LCSSRM 460-385942/2-A ^4
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385942

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8080	8351		mg/Kg		103.4	49.4 - 151.0
Antimony	88.2	35.03		mg/Kg		39.7	2.2 - 197.3
Arsenic	57.0	54.02		mg/Kg		94.8	75.1 - 124.9
Barium	110	114.6		mg/Kg		104.2	82.4 - 118.2

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

Lab Sample ID: LCSSRM 460-385942/2-A ^4
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385942

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	67.5	70.33		mg/Kg		104.2	82.8 - 117.2
Cadmium	77.8	78.43		mg/Kg		100.8	82.8 - 117.2
Calcium	6450	6728		mg/Kg		104.3	82.2 - 117.7
Chromium	65.0	69.11		mg/Kg		106.3	79.1 - 121.1
Cobalt	58.8	61.20		mg/Kg		104.1	83.8 - 116.3
Copper	56.4	53.07		mg/Kg		94.1	80.5 - 119.7
Iron	14700	14820		mg/Kg		100.8	45.6 - 154.4
Lead	85.6	82.83		mg/Kg		96.8	82.0 - 118.0
Magnesium	2710	2701		mg/Kg		99.7	75.6 - 124.0
Manganese	273	283.3		mg/Kg		103.8	81.0 - 118.7
Nickel	61.3	65.44		mg/Kg		106.7	82.5 - 117.5
Potassium	2420	2388		mg/Kg		98.7	69.4 - 131.0
Selenium	78.9	72.60		mg/Kg		92.0	77.6 - 122.4
Silver	54.2	51.53		mg/Kg		95.1	74.7 - 125.3
Sodium	914	857.7	J	mg/Kg		93.8	71.6 - 128.0
Thallium	178	192.7		mg/Kg		108.2	79.2 - 120.2
Vanadium	56.3	56.31		mg/Kg		100.0	77.1 - 122.9
Zinc	198	216.1		mg/Kg		109.1	82.3 - 117.2

Lab Sample ID: 460-118911-D-8-C MS ^4
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 385942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	15800		174	20680	4	mg/Kg	☼	2813	75 - 125
Antimony	3.6	U	43.5	15.31	N	mg/Kg	☼	35	75 - 125
Arsenic	2.7	U	174	165.0		mg/Kg	☼	95	75 - 125
Barium	82.8		174	282.4		mg/Kg	☼	115	75 - 125
Beryllium	0.73		4.35	5.35		mg/Kg	☼	106	75 - 125
Cadmium	0.72	U	4.35	3.80		mg/Kg	☼	87	75 - 125
Calcium	296	J	1740	2138		mg/Kg	☼	106	75 - 125
Chromium	18.1		17.4	41.21	N	mg/Kg	☼	133	75 - 125
Cobalt	5.1	J	43.5	50.44		mg/Kg	☼	104	75 - 125
Copper	4.1	J	21.8	25.16		mg/Kg	☼	97	75 - 125
Iron	17400		87.1	22150	4	mg/Kg	☼	5503	75 - 125

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

Lab Sample ID: 460-118911-D-8-C MS ^4
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 385942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	8.6		43.5	54.32		mg/Kg	☼	105	75 - 125
Magnesium	4550		1740	7549	N	mg/Kg	☼	172	75 - 125
Manganese	205		43.5	301.6	4	mg/Kg	☼	223	75 - 125
Nickel	14.0		43.5	62.85		mg/Kg	☼	112	75 - 125
Potassium	5950		1740	9698	N	mg/Kg	☼	215	75 - 125
Selenium	3.6	U	174	158.6		mg/Kg	☼	91	75 - 125
Silver	1.8	U	4.35	4.42		mg/Kg	☼	102	75 - 125
Sodium	131	J	1740	1799		mg/Kg	☼	96	75 - 125
Thallium	3.6	U	174	178.3		mg/Kg	☼	102	75 - 125
Vanadium	17.9		43.5	66.28		mg/Kg	☼	111	75 - 125
Zinc	76.7		43.5	144.3	N	mg/Kg	☼	155	75 - 125

Lab Sample ID: 460-118911-D-8-B DU
Matrix: Solid
Analysis Batch: 385958

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 385942

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	15800		18780		mg/Kg	☼	17	20
Antimony	3.6	U	3.6	U	mg/Kg	☼	NC	20
Arsenic	2.7	U	2.7	U	mg/Kg	☼	NC	20
Barium	82.8		95.91		mg/Kg	☼	15	20
Beryllium	0.73		0.891		mg/Kg	☼	19	20
Cadmium	0.72	U	0.72	U	mg/Kg	☼	NC	20
Calcium	296	J	344.1	J	mg/Kg	☼	15	20
Chromium	18.1		21.65		mg/Kg	☼	18	20
Cobalt	5.1	J	5.88	J	mg/Kg	☼	14	20
Copper	4.1	J	4.91		mg/Kg	☼	17	20
Iron	17400		19870		mg/Kg	☼	14	20
Lead	8.6		9.63		mg/Kg	☼	11	20
Magnesium	4550		5196		mg/Kg	☼	13	20
Manganese	205		241.3		mg/Kg	☼	16	20
Nickel	14.0		16.28		mg/Kg	☼	15	20
Potassium	5950		6846		mg/Kg	☼	14	20
Selenium	3.6	U	3.6	U	mg/Kg	☼	NC	20
Silver	1.8	U	1.8	U	mg/Kg	☼	NC	20
Sodium	131	J	154.7	J	mg/Kg	☼	16	20
Thallium	3.6	U	3.6	U	mg/Kg	☼	NC	20
Vanadium	17.9		20.59		mg/Kg	☼	14	20
Zinc	76.7		87.16		mg/Kg	☼	13	20

Lab Sample ID: MB 460-386232/1-A
Matrix: Water
Analysis Batch: 386754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	200	U	200	69.5	ug/L		08/23/16 08:20	08/25/16 11:39	1
Antimony	20.0	U	20.0	4.7	ug/L		08/23/16 08:20	08/25/16 11:39	1
Arsenic	15.0	U	15.0	4.4	ug/L		08/23/16 08:20	08/25/16 11:39	1
Barium	200	U	200	5.5	ug/L		08/23/16 08:20	08/25/16 11:39	1

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

Lab Sample ID: MB 460-386232/1-A
Matrix: Water
Analysis Batch: 386754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.0	U	2.0	1.8	ug/L		08/23/16 08:20	08/25/16 11:39	1
Cadmium	4.0	U	4.0	2.3	ug/L		08/23/16 08:20	08/25/16 11:39	1
Calcium	5000	U	5000	317	ug/L		08/23/16 08:20	08/25/16 11:39	1
Chromium	10.0	U	10.0	4.5	ug/L		08/23/16 08:20	08/25/16 11:39	1
Cobalt	50.0	U	50.0	5.1	ug/L		08/23/16 08:20	08/25/16 11:39	1
Copper	25.0	U	25.0	5.0	ug/L		08/23/16 08:20	08/25/16 11:39	1
Iron	150	U	150	65.4	ug/L		08/23/16 08:20	08/25/16 11:39	1
Lead	10.0	U	10.0	4.2	ug/L		08/23/16 08:20	08/25/16 11:39	1
Magnesium	5000	U	5000	260	ug/L		08/23/16 08:20	08/25/16 11:39	1
Manganese	15.0	U	15.0	4.9	ug/L		08/23/16 08:20	08/25/16 11:39	1
Nickel	40.0	U	40.0	5.4	ug/L		08/23/16 08:20	08/25/16 11:39	1
Potassium	5000	U	5000	122	ug/L		08/23/16 08:20	08/25/16 11:39	1
Selenium	20.0	U	20.0	6.8	ug/L		08/23/16 08:20	08/25/16 11:39	1
Silver	10.0	U	10.0	1.9	ug/L		08/23/16 08:20	08/25/16 11:39	1
Sodium	5000	U	5000	315	ug/L		08/23/16 08:20	08/25/16 11:39	1
Thallium	20.0	U	20.0	4.5	ug/L		08/23/16 08:20	08/25/16 11:39	1
Vanadium	50.0	U	50.0	4.4	ug/L		08/23/16 08:20	08/25/16 11:39	1
Zinc	30.0	U	30.0	5.9	ug/L		08/23/16 08:20	08/25/16 11:39	1

Lab Sample ID: LCS 460-386232/2-A
Matrix: Water
Analysis Batch: 386580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1900		ug/L		95	80 - 120
Antimony	500	456.6		ug/L		91	80 - 120
Arsenic	2000	1892		ug/L		95	80 - 120
Barium	2000	2003		ug/L		100	80 - 120
Beryllium	50.0	49.63		ug/L		99	80 - 120
Cadmium	50.0	49.85		ug/L		100	80 - 120
Calcium	20000	18600		ug/L		93	80 - 120
Chromium	200	198.6		ug/L		99	80 - 120
Cobalt	500	495.8		ug/L		99	80 - 120
Copper	250	226.7		ug/L		91	80 - 120
Iron	1000	986.6		ug/L		99	80 - 120
Lead	500	504.3		ug/L		101	80 - 120
Magnesium	20000	17970		ug/L		90	80 - 120
Manganese	500	493.0		ug/L		99	80 - 120
Nickel	500	507.4		ug/L		101	80 - 120
Potassium	20000	18690		ug/L		93	80 - 120
Selenium	2000	1867		ug/L		93	80 - 120
Silver	50.0	45.64		ug/L		91	80 - 120
Sodium	20000	18610		ug/L		93	80 - 120
Thallium	2000	2035		ug/L		102	80 - 120
Vanadium	500	485.6		ug/L		97	80 - 120
Zinc	500	513.8		ug/L		103	80 - 120

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

Lab Sample ID: 460-118859-D-1-C MS
Matrix: Water
Analysis Batch: 386580

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 386232

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	U	2000	2044		ug/L		102	75 - 125
Antimony	20.0	U	500	489.0		ug/L		98	75 - 125
Arsenic	15.0	U	2000	2038		ug/L		102	75 - 125
Barium	82.8	J	2000	2195		ug/L		106	75 - 125
Beryllium	2.0	U	50.0	52.39		ug/L		105	75 - 125
Cadmium	4.0	U	50.0	52.33		ug/L		105	75 - 125
Calcium	17200		20000	37940		ug/L		104	75 - 125
Chromium	10.0	U	200	208.5		ug/L		104	75 - 125
Cobalt	12.4	J	500	533.8		ug/L		104	75 - 125
Copper	10.0	J	250	258.1		ug/L		99	75 - 125
Iron	260		1000	1295		ug/L		103	75 - 125
Lead	10.0	U	500	526.7		ug/L		105	75 - 125
Magnesium	4780	J	20000	24070		ug/L		96	75 - 125
Manganese	374		500	910.0		ug/L		107	75 - 125
Nickel	6.4	J	500	536.7		ug/L		106	75 - 125
Potassium	7780		20000	27930		ug/L		101	75 - 125
Selenium	20.0	U	2000	2002		ug/L		100	75 - 125
Silver	10.0	U	50.0	48.82		ug/L		98	75 - 125
Sodium	99000		20000	125600	4	ug/L		133	75 - 125
Thallium	20.0	U	2000	2093		ug/L		105	75 - 125
Vanadium	50.0	U	500	513.1		ug/L		103	75 - 125
Zinc	110		500	652.7		ug/L		109	75 - 125

Lab Sample ID: 460-118859-D-1-B DU
Matrix: Water
Analysis Batch: 386580

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 386232

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	200	U	200	U	ug/L		NC	20
Antimony	20.0	U	20.0	U	ug/L		NC	20
Arsenic	15.0	U	15.0	U	ug/L		NC	20
Barium	82.8	J	86.83	J	ug/L		5	20
Beryllium	2.0	U	2.0	U	ug/L		NC	20
Cadmium	4.0	U	4.0	U	ug/L		NC	20
Calcium	17200		18140		ug/L		5	20
Chromium	10.0	U	10.0	U	ug/L		NC	20
Cobalt	12.4	J	13.45	J	ug/L		8	20
Copper	10.0	J	10.68	J	ug/L		6	20
Iron	260		264.5		ug/L		2	20
Lead	10.0	U	4.36	J	ug/L		NC	20
Magnesium	4780	J	5042		ug/L		5	20
Manganese	374		393.2		ug/L		5	20
Nickel	6.4	J	7.23	J	ug/L		13	20
Potassium	7780		8233		ug/L		6	20
Selenium	20.0	U	20.0	U	ug/L		NC	20
Silver	10.0	U	10.0	U	ug/L		NC	20
Sodium	99000		103700		ug/L		5	20
Thallium	20.0	U	20.0	U	ug/L		NC	20

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

Lab Sample ID: 460-118859-D-1-B DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 386580 — **Prep Batch: 386232**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Vanadium	50.0	U	50.0	U	ug/L		NC	20
Zinc	110		114.1		ug/L		4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-386526/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 386593 — **Prep Batch: 386526**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.14	ug/L		08/24/16 11:57	08/24/16 13:53	1

Lab Sample ID: LCS 460-386526/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 386593 — **Prep Batch: 386526**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	0.906		ug/L		91	80 - 120

Lab Sample ID: 460-118898-G-4-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 386593 — **Prep Batch: 386526**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	0.993		ug/L		99	80 - 120

Lab Sample ID: 460-118898-A-4-A DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 386593 — **Prep Batch: 386526**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-385761/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385856 — **Prep Batch: 385761**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.012	mg/Kg		08/19/16 11:32	08/19/16 19:45	1

Lab Sample ID: LCSSRM 460-385761/2-A ^20 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385856 — **Prep Batch: 385761**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	12.3	10.60		mg/Kg		86.2	64.1 - 135.8

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: MB 460-385991/1-A
Matrix: Solid
Analysis Batch: 386062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.012	mg/Kg		08/22/16 04:51	08/22/16 09:05	1

Lab Sample ID: LCSSRM 460-385991/2-A ^20
Matrix: Solid
Analysis Batch: 386062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385991

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	12.3	12.14		mg/Kg		98.7	64.1 - 135.8

Lab Sample ID: 460-118952-G-5-A MS
Matrix: Solid
Analysis Batch: 386062

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 385991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.022		0.0761	0.109		mg/Kg	☼	115	75 - 125

Lab Sample ID: 460-118952-A-5-E DU
Matrix: Solid
Analysis Batch: 386062

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 385991

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.022		0.0259		mg/Kg	☼	16	20

Lab Sample ID: MB 460-386003/1-A
Matrix: Solid
Analysis Batch: 386062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386003

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.012	mg/Kg		08/22/16 05:16	08/22/16 10:02	1

Lab Sample ID: LCSSRM 460-386003/2-A ^20
Matrix: Solid
Analysis Batch: 386062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386003

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	12.3	12.11		mg/Kg		98.5	64.1 - 135.8

Lab Sample ID: 460-118857-5 MS
Matrix: Solid
Analysis Batch: 386062

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 386003

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.14		0.0810	0.214		mg/Kg	☼	94	75 - 125

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-118857-5 DU
Matrix: Solid
Analysis Batch: 386062

Client Sample ID: SB-8 (2-4) 08182016
Prep Type: Total/NA
Prep Batch: 386003

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.14			0.145		mg/Kg	☼			4	20

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

Metals

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

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Prep Batch: 385643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	5035	
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	5035	
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	5035	
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	5035	
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	5035	
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	5035	
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	5035	
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	5035	
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	5035	
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	5035	
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	5035	
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	5035	
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	5035	
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	5035	
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	5035	
460-118857-5 MSD	SB-8 (2-4) 08182016	Total/NA	Solid	5035	

Analysis Batch: 385824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-15	TB 08182016	Total/NA	Water	8260C	
MB 460-385824/7	Method Blank	Total/NA	Water	8260C	
LCS 460-385824/3	Lab Control Sample	Total/NA	Water	8260C	
460-118805-A-9 MS	Matrix Spike	Total/NA	Water	8260C	
460-118805-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Prep Batch: 385848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	5035	
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	5035	
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	5035	
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	5035	
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	5035	
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	5035	
460-118926-7	SB-X08192016	Total/NA	Solid	5035	

Analysis Batch: 385947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	8260C	385848
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	8260C	385848
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	8260C	385848
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	8260C	385848
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	8260C	385848
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	8260C	385848
460-118926-7	SB-X08192016	Total/NA	Solid	8260C	385848
MB 460-385947/7	Method Blank	Total/NA	Solid	8260C	
LCS 460-385947/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-385947/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 385950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	8260C	385643

GC/MS VOA (Continued)

Analysis Batch: 385950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	8260C	385643
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	8260C	385643
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	8260C	385643
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	8260C	385643
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	8260C	385643
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	8260C	385643
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	8260C	385643
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	8260C	385643
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	8260C	385643
MB 460-385950/7	Method Blank	Total/NA	Solid	8260C	
LCS 460-385950/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-385950/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 386008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	8260C	
460-118926-9	TB08192016	Total/NA	Water	8260C	
MB 460-386008/7	Method Blank	Total/NA	Water	8260C	
LCS 460-386008/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-386008/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 386039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	8260C	385643
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	8260C	385643
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	8260C	385643
MB 460-386039/8	Method Blank	Total/NA	Solid	8260C	
LCS 460-386039/4	Lab Control Sample	Total/NA	Solid	8260C	
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	8260C	385643
460-118857-5 MSD	SB-8 (2-4) 08182016	Total/NA	Solid	8260C	385643

Analysis Batch: 386262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	8260C	385643
MB 460-386262/8	Method Blank	Total/NA	Solid	8260C	
LCS 460-386262/4	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-386262/5	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 385919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	3546	
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	3546	
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	3546	
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	3546	
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 385919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	3546	
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	3546	
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	3546	
MB 460-385919/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-385919/2-A	Lab Control Sample	Total/NA	Solid	3546	
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-5 MSD	SB-8 (2-4) 08182016	Total/NA	Solid	3546	

Prep Batch: 385924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	3510C	
MB 460-385924/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-385924/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-385924/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 385995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	8270D	385919
MB 460-385919/1-A	Method Blank	Total/NA	Solid	8270D	385919
LCS 460-385919/2-A	Lab Control Sample	Total/NA	Solid	8270D	385919
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	8270D	385919
460-118857-5 MSD	SB-8 (2-4) 08182016	Total/NA	Solid	8270D	385919

Prep Batch: 386078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	3546	
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	3546	
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	3546	
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	3546	
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	3546	
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	3546	
460-118926-7	SB-X08192016	Total/NA	Solid	3546	
MB 460-386078/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-386078/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-386078/3-A	Lab Control Sample	Total/NA	Solid	3546	
460-118952-F-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-118952-G-5-F MS	Matrix Spike	Total/NA	Solid	3546	

Analysis Batch: 386190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	8270D	385919
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	8270D	385919
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	8270D	385919
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	8270D	385919
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	8270D	385919
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	8270D	385919
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	8270D	385919
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	8270D	385919

GC/MS Semi VOA (Continued)

Analysis Batch: 386190 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	8270D	385919
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	8270D	385919
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	8270D	385919
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	8270D	385919
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	8270D	385919

Analysis Batch: 386228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	8270D	386078
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	8270D	386078
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	8270D	386078
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	8270D	386078
460-118926-7	SB-X08192016	Total/NA	Solid	8270D	386078
MB 460-386078/1-A	Method Blank	Total/NA	Solid	8270D	386078
LCS 460-386078/2-A	Lab Control Sample	Total/NA	Solid	8270D	386078
LCS 460-386078/3-A	Lab Control Sample	Total/NA	Solid	8270D	386078
460-118952-F-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	386078
460-118952-G-5-F MS	Matrix Spike	Total/NA	Solid	8270D	386078

Analysis Batch: 386360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-385924/1-A	Method Blank	Total/NA	Water	8270D	385924
LCSD 460-385924/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	385924

Analysis Batch: 386446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	8270D	386078
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	8270D	386078

Analysis Batch: 386455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	8270D	385924
LCS 460-385924/2-A	Lab Control Sample	Total/NA	Water	8270D	385924

GC Semi VOA

Prep Batch: 386152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	3510C	
MB 460-386152/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-386152/2-A	Lab Control Sample	Total/NA	Water	3510C	
460-118778-J-10-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
460-118778-K-10-A MS	Matrix Spike	Total/NA	Water	3510C	

Prep Batch: 386173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	3546	
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 386173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	3546	
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	3546	
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	3546	
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	3546	
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	3546	
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	3546	
MB 460-386173/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-386173/2-A	Lab Control Sample	Total/NA	Solid	3546	
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	3546	
460-118857-5 MSD	SB-8 (2-4) 08182016	Total/NA	Solid	3546	

Prep Batch: 386175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	3546	
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	3546	
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	3546	
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	3546	
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	3546	
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	3546	
460-118926-7	SB-X08192016	Total/NA	Solid	3546	
MB 460-386175/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-386175/2-A	Lab Control Sample	Total/NA	Solid	3546	
460-118952-D-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-118952-E-5-A MS	Matrix Spike	Total/NA	Solid	3546	

Analysis Batch: 386237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	8082A	386152
MB 460-386152/1-A	Method Blank	Total/NA	Water	8082A	386152
LCS 460-386152/2-A	Lab Control Sample	Total/NA	Water	8082A	386152
460-118778-J-10-C MSD	Matrix Spike Duplicate	Total/NA	Water	8082A	386152
460-118778-K-10-A MS	Matrix Spike	Total/NA	Water	8082A	386152

Analysis Batch: 386320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	8082A	386175
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	8082A	386175
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	8082A	386175
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	8082A	386175
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	8082A	386175
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	8082A	386175
460-118926-7	SB-X08192016	Total/NA	Solid	8082A	386175
MB 460-386175/1-A	Method Blank	Total/NA	Solid	8082A	386175
LCS 460-386175/2-A	Lab Control Sample	Total/NA	Solid	8082A	386175
460-118952-D-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	386175
460-118952-E-5-A MS	Matrix Spike	Total/NA	Solid	8082A	386175

GC Semi VOA (Continued)

Analysis Batch: 386327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	8082A	386173
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	8082A	386173
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	8082A	386173
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	8082A	386173
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	8082A	386173
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	8082A	386173
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	8082A	386173
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	8082A	386173
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	8082A	386173
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	8082A	386173
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	8082A	386173
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	8082A	386173
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	8082A	386173
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	8082A	386173
MB 460-386173/1-A	Method Blank	Total/NA	Solid	8082A	386173
LCS 460-386173/2-A	Lab Control Sample	Total/NA	Solid	8082A	386173
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	8082A	386173
460-118857-5 MSD	SB-8 (2-4) 08182016	Total/NA	Solid	8082A	386173

Metals

Prep Batch: 385761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	7471B	
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	7471B	
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	7471B	
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	7471B	
MB 460-385761/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-385761/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 385820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	7471B	385761
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	7471B	385761
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	7471B	385761
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	7471B	385761

Analysis Batch: 385856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-385761/1-A	Method Blank	Total/NA	Solid	7471B	385761
LCSSRM 460-385761/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	385761

Prep Batch: 385938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	3050B	
MB 460-385938/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-385938/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	3050B	
460-118857-5 DU	SB-8 (2-4) 08182016	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 385941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	3050B	
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	3050B	
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	3050B	
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	3050B	
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	3050B	
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	3050B	
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	3050B	
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	3050B	
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	3050B	
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	3050B	
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	3050B	
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	3050B	
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	3050B	
MB 460-385941/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-385941/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
460-118876-A-7-C MS ^10	Matrix Spike	Total/NA	Solid	3050B	
460-118876-A-7-C MS ^4	Matrix Spike	Total/NA	Solid	3050B	
460-118876-A-7-B DU ^10	Duplicate	Total/NA	Solid	3050B	
460-118876-A-7-B DU ^4	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 385942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	3050B	
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	3050B	
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	3050B	
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	3050B	
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	3050B	
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	3050B	
460-118926-7	SB-X08192016	Total/NA	Solid	3050B	
MB 460-385942/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-385942/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
460-118911-D-8-C MS ^4	Matrix Spike	Total/NA	Solid	3050B	
460-118911-D-8-B DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 385958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	6010C	385938
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	6010C	385938
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	6010C	385942
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	6010C	385942
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	6010C	385942
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	6010C	385942
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	6010C	385942
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	6010C	385942
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	6010C	385942
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	6010C	385942
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	6010C	385942
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	6010C	385942
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	6010C	385942
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	6010C	385942
460-118926-7	SB-X08192016	Total/NA	Solid	6010C	385942

Metals (Continued)

Analysis Batch: 385958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-7	SB-X08192016	Total/NA	Solid	6010C	385942
MB 460-385938/1-A ^2	Method Blank	Total/NA	Solid	6010C	385938
MB 460-385942/1-A ^2	Method Blank	Total/NA	Solid	6010C	385942
LCSSRM 460-385938/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	385938
LCSSRM 460-385938/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	385938
LCSSRM 460-385942/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	385942
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	6010C	385938
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	6010C	385938
460-118911-D-8-C MS ^4	Matrix Spike	Total/NA	Solid	6010C	385942
460-118857-5 DU	SB-8 (2-4) 08182016	Total/NA	Solid	6010C	385938
460-118857-5 DU	SB-8 (2-4) 08182016	Total/NA	Solid	6010C	385938
460-118911-D-8-B DU	Duplicate	Total/NA	Solid	6010C	385942

Prep Batch: 385991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	7471B	
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	7471B	
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	7471B	
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	7471B	
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	7471B	
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	7471B	
460-118926-7	SB-X08192016	Total/NA	Solid	7471B	
MB 460-385991/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-385991/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	
460-118952-G-5-A MS	Matrix Spike	Total/NA	Solid	7471B	
460-118952-A-5-E DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 386003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	7471B	
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	7471B	
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	7471B	
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	7471B	
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	7471B	
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	7471B	
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	7471B	
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	7471B	
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	7471B	
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	7471B	
MB 460-386003/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-386003/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	7471B	
460-118857-5 DU	SB-8 (2-4) 08182016	Total/NA	Solid	7471B	

Analysis Batch: 386062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	7471B	386003
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	7471B	386003
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	7471B	386003
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	7471B	386003
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	7471B	386003

Metals (Continued)

Analysis Batch: 386062 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	7471B	386003
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	7471B	386003
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	7471B	386003
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	7471B	386003
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	7471B	386003
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	7471B	385991
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	7471B	385991
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	7471B	385991
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	7471B	385991
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	7471B	385991
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	7471B	385991
460-118926-7	SB-X08192016	Total/NA	Solid	7471B	385991
MB 460-385991/1-A	Method Blank	Total/NA	Solid	7471B	385991
MB 460-386003/1-A	Method Blank	Total/NA	Solid	7471B	386003
LCSSRM 460-385991/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	385991
LCSSRM 460-386003/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	386003
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	7471B	386003
460-118952-G-5-A MS	Matrix Spike	Total/NA	Solid	7471B	385991
460-118857-5 DU	SB-8 (2-4) 08182016	Total/NA	Solid	7471B	386003
460-118952-A-5-E DU	Duplicate	Total/NA	Solid	7471B	385991

Analysis Batch: 386100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	6010C	385941
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	6010C	385941
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	6010C	385941
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	6010C	385941
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	6010C	385941
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	6010C	385941
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	6010C	385941
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	6010C	385941
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	6010C	385941
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	6010C	385941
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	6010C	385941
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	6010C	385941
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	6010C	385941
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	6010C	385941
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	6010C	385941
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	6010C	385941
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	6010C	385941
MB 460-385941/1-A ^2	Method Blank	Total/NA	Solid	6010C	385941
LCSSRM 460-385941/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	385941
460-118876-A-7-C MS ^10	Matrix Spike	Total/NA	Solid	6010C	385941
460-118876-A-7-C MS ^4	Matrix Spike	Total/NA	Solid	6010C	385941
460-118876-A-7-B DU ^10	Duplicate	Total/NA	Solid	6010C	385941
460-118876-A-7-B DU ^4	Duplicate	Total/NA	Solid	6010C	385941

Prep Batch: 386232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	3010A	
MB 460-386232/1-A	Method Blank	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 386232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-386232/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-118859-D-1-C MS	Matrix Spike	Total/NA	Water	3010A	
460-118859-D-1-B DU	Duplicate	Total/NA	Water	3010A	

Analysis Batch: 386317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	6010C	385941

Prep Batch: 386526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	7470A	
MB 460-386526/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-386526/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-118898-G-4-B MS	Matrix Spike	Total/NA	Water	7470A	
460-118898-A-4-A DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 386580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	6010C	386232
LCS 460-386232/2-A	Lab Control Sample	Total/NA	Water	6010C	386232
460-118859-D-1-C MS	Matrix Spike	Total/NA	Water	6010C	386232
460-118859-D-1-B DU	Duplicate	Total/NA	Water	6010C	386232

Analysis Batch: 386593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-8	FB08192016	Total/NA	Water	7470A	386526
MB 460-386526/1-A	Method Blank	Total/NA	Water	7470A	386526
LCS 460-386526/2-A	Lab Control Sample	Total/NA	Water	7470A	386526
460-118898-G-4-B MS	Matrix Spike	Total/NA	Water	7470A	386526
460-118898-A-4-A DU	Duplicate	Total/NA	Water	7470A	386526

Analysis Batch: 386754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-386232/1-A	Method Blank	Total/NA	Water	6010C	386232

General Chemistry

Analysis Batch: 386251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-1	SB-10 (2-4) 08182016	Total/NA	Solid	Moisture	
460-118857-2	SB-10 (13-15) 08182016	Total/NA	Solid	Moisture	
460-118857-3	SB-9 (2-4) 08182016	Total/NA	Solid	Moisture	
460-118857-4	SB-9 (12-14) 08182016	Total/NA	Solid	Moisture	
460-118857-5	SB-8 (2-4) 08182016	Total/NA	Solid	Moisture	
460-118857-6	SB-8 (13-15) 08182016	Total/NA	Solid	Moisture	
460-118857-8	SB-4 (11-13) 08182016	Total/NA	Solid	Moisture	
460-118857-9	SB-6 (2-4) 08182016	Total/NA	Solid	Moisture	
460-118857-10	SB-6 (13-15) 08182016	Total/NA	Solid	Moisture	
460-118857-11	SB-5 (2-4) 08182016	Total/NA	Solid	Moisture	
460-118857-5 MS	SB-8 (2-4) 08182016	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 386251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-5 MSD	SB-8 (2-4) 08182016	Total/NA	Solid	Moisture	
460-118857-5 DU	SB-8 (2-4) 08182016	Total/NA	Solid	Moisture	
460-118857-11 DU	SB-5 (2-4) 08182016	Total/NA	Solid	Moisture	

Analysis Batch: 386272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118857-7	SB-4 (3-5) 08182016	Total/NA	Solid	Moisture	
460-118857-12	SB-5 (13-15) 08182016	Total/NA	Solid	Moisture	
460-118857-13	SB-7 (2-4) 08182016	Total/NA	Solid	Moisture	
460-118857-14	SB-7 (13-15) 08182016	Total/NA	Solid	Moisture	
460-118876-A-7 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 386571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-1	SB-1(2-4)-08192016	Total/NA	Solid	Moisture	
460-118926-2	SB-1(12-14)-08192016	Total/NA	Solid	Moisture	
460-118926-3	SB-2(2-4)08192016	Total/NA	Solid	Moisture	
460-118926-4	SB-2(10-12)08192016	Total/NA	Solid	Moisture	
460-118926-5	SB-3(2-4)08192016	Total/NA	Solid	Moisture	
460-118926-6	SB-3(13-15)08192016	Total/NA	Solid	Moisture	
460-118926-6 DU	SB-3(13-15)08192016	Total/NA	Solid	Moisture	

Analysis Batch: 386578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-118926-7	SB-X08192016	Total/NA	Solid	Moisture	
460-118942-A-1 DU	Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: SB-10 (2-4) 08182016
Lab Sample ID: 460-118857-1
Date Collected: 08/18/16 08:30
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-10 (2-4) 08182016
Lab Sample ID: 460-118857-1
Date Collected: 08/18/16 08:30
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:13	AVM	TAL EDI
Total/NA	Analysis	8260C		1	386262	08/23/16 19:57	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 09:57	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 16:08	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 11:58	CDC	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		10	386100	08/22/16 15:05	CDC	TAL EDI
Total/NA	Prep	7471B			385761	08/19/16 11:32	RBS	TAL EDI
Total/NA	Analysis	7471B		1	385820	08/19/16 16:39	RBS	TAL EDI

Client Sample ID: SB-10 (13-15) 08182016
Lab Sample ID: 460-118857-2
Date Collected: 08/18/16 08:56
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-10 (13-15) 08182016
Lab Sample ID: 460-118857-2
Date Collected: 08/18/16 08:56
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:13	AVM	TAL EDI
Total/NA	Analysis	8260C		1	386039	08/22/16 14:39	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 10:22	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 16:23	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:02	CDC	TAL EDI
Total/NA	Prep	7471B			385761	08/19/16 11:32	RBS	TAL EDI
Total/NA	Analysis	7471B		1	385820	08/19/16 16:41	RBS	TAL EDI

Client Sample ID: SB-9 (2-4) 08182016
Lab Sample ID: 460-118857-3
Date Collected: 08/18/16 09:31
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-9 (2-4) 08182016
Lab Sample ID: 460-118857-3
Date Collected: 08/18/16 09:31
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:14	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 12:07	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 15:16	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 16:38	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:18	CDC	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		10	386100	08/22/16 15:09	CDC	TAL EDI
Total/NA	Prep	7471B			385761	08/19/16 11:32	RBS	TAL EDI
Total/NA	Analysis	7471B		1	385820	08/19/16 16:43	RBS	TAL EDI

Client Sample ID: SB-9 (12-14) 08182016
Lab Sample ID: 460-118857-4
Date Collected: 08/18/16 09:43
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-9 (12-14) 08182016
Lab Sample ID: 460-118857-4
Date Collected: 08/18/16 09:43
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:14	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 12:31	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 10:46	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 16:53	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:22	CDC	TAL EDI
Total/NA	Prep	7471B			385761	08/19/16 11:32	RBS	TAL EDI
Total/NA	Analysis	7471B		1	385820	08/19/16 16:48	RBS	TAL EDI

Client Sample ID: SB-8 (2-4) 08182016
Lab Sample ID: 460-118857-5
Date Collected: 08/18/16 10:44
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-8 (2-4) 08182016
Lab Sample ID: 460-118857-5
Date Collected: 08/18/16 10:44
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:14	AVM	TAL EDI
Total/NA	Analysis	8260C		1	386039	08/22/16 14:15	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	385995	08/22/16 12:28	BAW	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 15:07	JHP	TAL EDI
Total/NA	Prep	3050B			385938	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 11:13	CDC	TAL EDI
Total/NA	Prep	3050B			385938	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		10	385958	08/21/16 15:52	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:06	TJS	TAL EDI

Client Sample ID: SB-8 (13-15) 08182016
Lab Sample ID: 460-118857-6
Date Collected: 08/18/16 10:50
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-8 (13-15) 08182016
Lab Sample ID: 460-118857-6
Date Collected: 08/18/16 10:50
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:16	AVM	TAL EDI
Total/NA	Analysis	8260C		1	386039	08/22/16 13:50	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 11:11	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 17:08	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:25	CDC	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		10	386100	08/22/16 15:13	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI

Client Sample ID: SB-8 (13-15) 08182016
Lab Sample ID: 460-118857-6
Date Collected: 08/18/16 10:50
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	386062	08/22/16 10:13	TJS	TAL EDI

Client Sample ID: SB-4 (3-5) 08182016
Lab Sample ID: 460-118857-7
Date Collected: 08/18/16 11:38
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386272	08/23/16 10:59	KJA	TAL EDI

Client Sample ID: SB-4 (3-5) 08182016
Lab Sample ID: 460-118857-7
Date Collected: 08/18/16 11:38
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:16	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 13:20	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 11:35	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 17:23	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:29	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:15	TJS	TAL EDI

Client Sample ID: SB-4 (11-13) 08182016
Lab Sample ID: 460-118857-8
Date Collected: 08/18/16 11:52
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-4 (11-13) 08182016
Lab Sample ID: 460-118857-8
Date Collected: 08/18/16 11:52
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:16	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 13:45	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 17:43	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 17:38	JHP	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:33	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:17	TJS	TAL EDI

Client Sample ID: SB-6 (2-4) 08182016
Lab Sample ID: 460-118857-9

Date Collected: 08/18/16 12:33
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-6 (2-4) 08182016
Lab Sample ID: 460-118857-9

Date Collected: 08/18/16 12:33
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:16	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 14:10	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 16:05	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 17:52	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:37	CDC	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		40	386100	08/22/16 15:17	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:19	TJS	TAL EDI

Client Sample ID: SB-6 (13-15) 08182016
Lab Sample ID: 460-118857-10

Date Collected: 08/18/16 12:55
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-6 (13-15) 08182016
Lab Sample ID: 460-118857-10

Date Collected: 08/18/16 12:55
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:17	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 14:35	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 12:00	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI

Client Sample ID: SB-6 (13-15) 08182016
Lab Sample ID: 460-118857-10
Date Collected: 08/18/16 12:55
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	386327	08/23/16 18:07	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:41	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:25	TJS	TAL EDI

Client Sample ID: SB-5 (2-4) 08182016
Lab Sample ID: 460-118857-11
Date Collected: 08/18/16 13:58
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386251	08/23/16 10:08	KJA	TAL EDI

Client Sample ID: SB-5 (2-4) 08182016
Lab Sample ID: 460-118857-11
Date Collected: 08/18/16 13:58
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:17	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 14:59	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 12:25	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 18:22	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:45	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:27	TJS	TAL EDI

Client Sample ID: SB-5 (13-15) 08182016
Lab Sample ID: 460-118857-12
Date Collected: 08/18/16 14:10
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386272	08/23/16 10:59	KJA	TAL EDI

Client Sample ID: SB-5 (13-15) 08182016
Lab Sample ID: 460-118857-12
Date Collected: 08/18/16 14:10
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:17	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 15:24	EMM	TAL EDI

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 15:40	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 18:37	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:49	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:29	TJS	TAL EDI

Client Sample ID: SB-7 (2-4) 08182016
Lab Sample ID: 460-118857-13

Date Collected: 08/18/16 14:42
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386272	08/23/16 10:59	KJA	TAL EDI

Client Sample ID: SB-7 (2-4) 08182016
Lab Sample ID: 460-118857-13

Date Collected: 08/18/16 14:42
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:18	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 15:49	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI
Total/NA	Analysis	8270D		1	386190	08/23/16 12:49	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 18:52	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 12:52	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:30	TJS	TAL EDI

Client Sample ID: SB-7 (13-15) 08182016
Lab Sample ID: 460-118857-14

Date Collected: 08/18/16 14:50
Matrix: Solid
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386272	08/23/16 10:59	KJA	TAL EDI

Client Sample ID: SB-7 (13-15) 08182016
Lab Sample ID: 460-118857-14

Date Collected: 08/18/16 14:50
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385643	08/18/16 22:18	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385950	08/21/16 16:13	EMM	TAL EDI
Total/NA	Prep	3546			385919	08/20/16 12:41	GRB	TAL EDI

Client Sample ID: SB-7 (13-15) 08182016

Lab Sample ID: 460-118857-14

Date Collected: 08/18/16 14:50
Matrix: Solid
Date Received: 08/18/16 17:00
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	386190	08/23/16 13:14	MMC	TAL EDI
Total/NA	Prep	3546			386173	08/22/16 22:48	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386327	08/23/16 19:07	JHP	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386100	08/22/16 13:08	CDC	TAL EDI
Total/NA	Prep	3050B			385941	08/20/16 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	386317	08/23/16 10:46	CDC	TAL EDI
Total/NA	Prep	7471B			386003	08/22/16 05:16	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 10:32	TJS	TAL EDI

Client Sample ID: TB 08182016

Lab Sample ID: 460-118857-15

Date Collected: 08/18/16 00:00
Matrix: Water
Date Received: 08/18/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	385824	08/20/16 04:02	AAT	TAL EDI

Client Sample ID: SB-1(2-4)-08192016

Lab Sample ID: 460-118926-1

Date Collected: 08/19/16 08:14
Matrix: Solid
Date Received: 08/19/16 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386571	08/24/16 15:11	KJA	TAL EDI

Client Sample ID: SB-1(2-4)-08192016

Lab Sample ID: 460-118926-1

Date Collected: 08/19/16 08:14
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385848	08/19/16 19:44	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385947	08/21/16 14:18	AAT	TAL EDI
Total/NA	Prep	3546			386078	08/22/16 12:27	RAD	TAL EDI
Total/NA	Analysis	8270D		1	386228	08/23/16 16:31	MMC	TAL EDI
Total/NA	Prep	3546			386175	08/22/16 22:55	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386320	08/23/16 15:02	JHP	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 18:12	CDC	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		20	385958	08/21/16 22:22	CDC	TAL EDI
Total/NA	Prep	7471B			385991	08/22/16 04:51	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 09:33	TJS	TAL EDI

Client Sample ID: SB-1(12-14)-08192016
Lab Sample ID: 460-118926-2
Date Collected: 08/19/16 08:40
Matrix: Solid
Date Received: 08/19/16 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386571	08/24/16 15:11	KJA	TAL EDI

Client Sample ID: SB-1(12-14)-08192016
Lab Sample ID: 460-118926-2
Date Collected: 08/19/16 08:40
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385848	08/19/16 19:45	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385947	08/21/16 14:44	AAT	TAL EDI
Total/NA	Prep	3546			386078	08/22/16 12:27	RAD	TAL EDI
Total/NA	Analysis	8270D		1	386228	08/23/16 16:55	MMC	TAL EDI
Total/NA	Prep	3546			386175	08/22/16 22:55	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386320	08/23/16 15:50	JHP	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 18:16	CDC	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 22:49	CDC	TAL EDI
Total/NA	Prep	7471B			385991	08/22/16 04:51	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 09:34	TJS	TAL EDI

Client Sample ID: SB-2(2-4)08192016
Lab Sample ID: 460-118926-3
Date Collected: 08/19/16 09:02
Matrix: Solid
Date Received: 08/19/16 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386571	08/24/16 15:11	KJA	TAL EDI

Client Sample ID: SB-2(2-4)08192016
Lab Sample ID: 460-118926-3
Date Collected: 08/19/16 09:02
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385848	08/19/16 19:46	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385947	08/21/16 15:10	AAT	TAL EDI
Total/NA	Prep	3546			386078	08/22/16 12:27	RAD	TAL EDI
Total/NA	Analysis	8270D		1	386228	08/23/16 17:18	MMC	TAL EDI
Total/NA	Prep	3546			386175	08/22/16 22:55	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386320	08/23/16 16:06	JHP	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 18:20	CDC	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		10	385958	08/21/16 22:26	CDC	TAL EDI
Total/NA	Prep	7471B			385991	08/22/16 04:51	TJS	TAL EDI

Client Sample ID: SB-2(2-4)08192016 — Lab Sample ID: 460-118926-3

Date Collected: 08/19/16 09:02 — **Matrix: Solid**
Date Received: 08/19/16 16:10 — **Percent Solids: 89.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	386062	08/22/16 09:40	TJS	TAL EDI

Client Sample ID: SB-2(10-12)08192016 — Lab Sample ID: 460-118926-4

Date Collected: 08/19/16 09:20 — **Matrix: Solid**
Date Received: 08/19/16 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386571	08/24/16 15:11	KJA	TAL EDI

Client Sample ID: SB-2(10-12)08192016 — Lab Sample ID: 460-118926-4

Date Collected: 08/19/16 09:20 — **Matrix: Solid**
Date Received: 08/19/16 16:10 — **Percent Solids: 91.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385848	08/19/16 19:47	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385947	08/21/16 15:35	AAT	TAL EDI
Total/NA	Prep	3546			386078	08/22/16 12:27	RAD	TAL EDI
Total/NA	Analysis	8270D		1	386446	08/24/16 16:16	MMC	TAL EDI
Total/NA	Prep	3546			386175	08/22/16 22:55	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386320	08/23/16 16:22	JHP	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 18:23	CDC	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 22:42	CDC	TAL EDI
Total/NA	Prep	7471B			385991	08/22/16 04:51	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 09:42	TJS	TAL EDI

Client Sample ID: SB-3(2-4)08192016 — Lab Sample ID: 460-118926-5

Date Collected: 08/19/16 09:42 — **Matrix: Solid**
Date Received: 08/19/16 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386571	08/24/16 15:11	KJA	TAL EDI

Client Sample ID: SB-3(2-4)08192016 — Lab Sample ID: 460-118926-5

Date Collected: 08/19/16 09:42 — **Matrix: Solid**
Date Received: 08/19/16 16:10 — **Percent Solids: 91.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385848	08/19/16 19:47	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385947	08/21/16 16:01	AAT	TAL EDI
Total/NA	Prep	3546			386078	08/22/16 12:27	RAD	TAL EDI
Total/NA	Analysis	8270D		1	386446	08/24/16 16:38	MMC	TAL EDI

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			386175	08/22/16 22:55	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386320	08/23/16 16:38	JHP	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 18:27	CDC	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 22:53	CDC	TAL EDI
Total/NA	Prep	7471B			385991	08/22/16 04:51	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 09:44	TJS	TAL EDI

Client Sample ID: SB-3(13-15)08192016
Lab Sample ID: 460-118926-6

Date Collected: 08/19/16 09:55
Matrix: Solid
Date Received: 08/19/16 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386571	08/24/16 15:11	KJA	TAL EDI

Client Sample ID: SB-3(13-15)08192016
Lab Sample ID: 460-118926-6

Date Collected: 08/19/16 09:55
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385848	08/19/16 19:48	AVM	TAL EDI
Total/NA	Analysis	8260C		1	385947	08/21/16 16:27	AAT	TAL EDI
Total/NA	Prep	3546			386078	08/22/16 12:27	RAD	TAL EDI
Total/NA	Analysis	8270D		1	386228	08/23/16 13:27	MMC	TAL EDI
Total/NA	Prep	3546			386175	08/22/16 22:55	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386320	08/23/16 16:54	JHP	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 18:31	CDC	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 22:57	CDC	TAL EDI
Total/NA	Prep	7471B			385991	08/22/16 04:51	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 09:46	TJS	TAL EDI

Client Sample ID: SB-X08192016
Lab Sample ID: 460-118926-7

Date Collected: 08/19/16 00:00
Matrix: Solid
Date Received: 08/19/16 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	386578	08/24/16 15:32	KJA	TAL EDI

Client Sample ID: SB-X08192016
Lab Sample ID: 460-118926-7

Date Collected: 08/19/16 00:00
Matrix: Solid
Date Received: 08/19/16 16:10
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			385848	08/19/16 19:49	AVM	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Client Sample ID: SB-X08192016
Date Collected: 08/19/16 00:00
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-7
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	385947	08/21/16 16:53	AAT	TAL EDI
Total/NA	Prep	3546			386078	08/22/16 12:27	RAD	TAL EDI
Total/NA	Analysis	8270D		1	386228	08/23/16 17:41	MMC	TAL EDI
Total/NA	Prep	3546			386175	08/22/16 22:55	ARA	TAL EDI
Total/NA	Analysis	8082A		1	386320	08/23/16 17:10	JHP	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 18:35	CDC	TAL EDI
Total/NA	Prep	3050B			385942	08/20/16 18:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	385958	08/21/16 22:46	CDC	TAL EDI
Total/NA	Prep	7471B			385991	08/22/16 04:51	TJS	TAL EDI
Total/NA	Analysis	7471B		1	386062	08/22/16 09:48	TJS	TAL EDI

Client Sample ID: FB08192016
Date Collected: 08/19/16 10:15
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	386008	08/22/16 12:00	SZD	TAL EDI
Total/NA	Prep	3510C			385924	08/20/16 13:50	AFR	TAL EDI
Total/NA	Analysis	8270D		1	386455	08/24/16 12:26	MMC	TAL EDI
Total/NA	Prep	3510C			386152	08/22/16 19:33	RAR	TAL EDI
Total/NA	Analysis	8082A		1	386237	08/23/16 11:09	JHP	TAL EDI
Total/NA	Prep	3010A			386232	08/23/16 08:20	MDC	TAL EDI
Total/NA	Analysis	6010C		1	386580	08/24/16 17:07	CDC	TAL EDI
Total/NA	Prep	7470A			386526	08/24/16 11:57	RBS	TAL EDI
Total/NA	Analysis	7470A		1	386593	08/24/16 14:06	RBS	TAL EDI

Client Sample ID: TB08192016
Date Collected: 08/19/16 10:15
Date Received: 08/19/16 16:10

Lab Sample ID: 460-118926-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	386008	08/22/16 13:18	SZD	TAL EDI

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

Certification Summary

Client: AKRF Inc
Project/Site: 85 Jay Street

TestAmerica Job ID: 460-118857-1

Laboratory: TestAmerica Edison

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

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8082A	3510C	Water	Polychlorinated biphenyls, Total
8082A	3546	Solid	Polychlorinated biphenyls, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
SB-10 (2-4) 08182016	460-118857-1	59 *	104	97	89
SB-10 (13-15) 08182016	460-118857-2	86	92	89	77
SB-9 (2-4) 08182016	460-118857-3	95	112	100	91
SB-9 (12-14) 08182016	460-118857-4	97	108	103	87
SB-8 (2-4) 08182016	460-118857-5	91	97	93	80
SB-8 (13-15) 08182016	460-118857-6	93	99	95	84
SB-4 (3-5) 08182016	460-118857-7	97	107	101	91
SB-4 (11-13) 08182016	460-118857-8	90	100	96	89
SB-6 (2-4) 08182016	460-118857-9	93	105	96	84
SB-6 (13-15) 08182016	460-118857-10	89	101	92	81
SB-5 (2-4) 08182016	460-118857-11	102	115	105	92
SB-5 (13-15) 08182016	460-118857-12	94	105	97	83
SB-7 (2-4) 08182016	460-118857-13	91	101	92	79
SB-7 (13-15) 08182016	460-118857-14	98	110	101	88
SB-1(2-4)-08192016	460-118926-1	109	98	96	114
SB-1(12-14) -08192016	460-118926-2	115	99	98	118
SB-2(2-4)08192016	460-118926-3	113	100	99	117
SB-2(10-12)08192016	460-118926-4	111	101	101	119
SB-3(2-4)08192016	460-118926-5	115	102	100	118
SB-3(13-15)08192016	460-118926-6	113	99	99	119
SB-X08192016	460-118926-7	113	100	98	116
	MB 460-385947/7	110	93	100	117
	MB 460-385950/7	91	98	96	82
	MB 460-386039/8	85	91	90	76
	MB 460-386262/8	95	104	97	86
	LCS 460-385947/3	109	95	100	115
	LCS 460-385950/3	92	99	96	82

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	61-149
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
TOL = Toluene-d8 (Surr)	73-121
BFB = 4-Bromofluorobenzene	67-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	LCS 460-386039/4	92	95	94	81
	LCS 460-386262/4	94	97	94	83
	LCSD 460-385947/4	109	94	100	115
	LCSD 460-385950/4	94	102	97	83
	LCSD 460-386262/5	93	97	94	84
SB-8 (2-4) 08182016 MS	460-118857-5 MS	94	98	100	94
SB-8 (2-4) 08182016 MSD	460-118857-5 MSD	93	98	94	83

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	61-149
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
TOL = Toluene-d8 (Surr)	73-121
BFB = 4-Bromofluorobenzene	67-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TB 08182016	460-118857-15	96	96	99	99
FB08192016	460-118926-8	95	80	96	117
TB08192016	460-118926-9	97	87	99	114
	MB 460-385824/7	92	94	99	98
	MB 460-386008/7	100	85	97	115
	LCS 460-385824/3	97	98	100	101
	LCS 460-386008/3	102	88	98	110
	LCSD 460-386008/4	102	89	101	113
	460-118805-A-9 MS	95	95	99	98
	460-118805-A-9 MSD	93	93	99	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	72-131
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	77-124

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J44633.D

Lab ID: LCS 460-385824/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.8	99	75-125	
1,1,2,2-Tetrachloroethane	20.0	22.2	111	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.4	117	59-150	
1,1,2-Trichloroethane	20.0	19.9	99	78-120	
1,1-Dichloroethane	20.0	20.7	103	77-123	
1,1-Dichloroethene	20.0	20.2	101	74-123	
1,2,3-Trichlorobenzene	20.0	22.6	113	78-131	
1,2,4-Trichlorobenzene	20.0	21.7	108	80-124	
1,2-Dibromo-3-Chloropropane	20.0	19.2	96	55-134	
1,2-Dichlorobenzene	20.0	22.1	110	80-120	
1,2-Dichloroethane	20.0	19.6	98	76-121	
1,2-Dichloropropane	20.0	20.7	103	77-123	
1,3-Dichlorobenzene	20.0	22.0	110	80-120	
1,4-Dichlorobenzene	20.0	22.1	110	80-120	
1,4-Dioxane	400	518	129	10-150	
2-Butanone (MEK)	100	95.3	95	64-120	
2-Hexanone	100	96.6	97	71-125	
4-Methyl-2-pentanone (MIBK)	100	102	102	78-124	
Acetone	100	77.9	78	39-150	
Benzene	20.0	21.1	105	77-121	
Bromoform	20.0	16.3	81	53-120	
Bromomethane	20.0	20.5	102	10-150	
Carbon disulfide	20.0	20.2	101	69-133	
Carbon tetrachloride	20.0	20.6	103	70-132	
Chlorobenzene	20.0	20.6	103	80-120	
Chlorobromomethane	20.0	20.3	101	77-127	
Chlorodibromomethane	20.0	18.2	91	73-120	
Chloroethane	20.0	20.7	104	52-150	
Chloroform	20.0	20.3	102	80-120	
Chloromethane	20.0	19.8	99	56-131	
cis-1,2-Dichloroethene	20.0	20.6	103	80-120	
cis-1,3-Dichloropropene	20.0	20.7	104	77-120	
Cyclohexane	20.0	20.9	105	56-150	
Dichlorobromomethane	20.0	19.3	96	76-120	
Dichlorodifluoromethane	20.0	18.3	92	50-131	
Ethylbenzene	20.0	20.3	101	80-120	
Ethylene Dibromide	20.0	19.6	98	80-120	
Isopropylbenzene	20.0	21.3	107	80-123	
Methyl acetate	100	107	107	66-144	
Methyl tert-butyl ether	20.0	20.1	100	79-122	
Methylcyclohexane	20.0	21.2	106	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J44633.D

Lab ID: LCS 460-385824/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	20.0	19.8	99	77-123	
m-Xylene & p-Xylene	20.0	21.2	106	80-120	
o-Xylene	20.0	20.9	105	80-120	
Styrene	20.0	20.7	103	80-120	
Tetrachloroethene	20.0	21.5	108	78-122	
Toluene	20.0	20.8	104	80-120	
trans-1,2-Dichloroethene	20.0	19.9	100	79-120	
trans-1,3-Dichloropropene	20.0	20.1	100	76-120	
Trichloroethene	20.0	19.8	99	77-120	
Trichlorofluoromethane	20.0	20.4	102	71-143	
Vinyl chloride	20.0	19.8	99	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K56989.D

Lab ID: LCS 460-385947/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.4	107	80-125	
1,1,2,2-Tetrachloroethane	20.0	17.2	86	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.6	113	78-132	
1,1,2-Trichloroethane	20.0	18.3	92	76-124	
1,1-Dichloroethane	20.0	20.0	100	80-124	
1,1-Dichloroethene	20.0	21.5	108	79-132	
1,2,3-Trichlorobenzene	20.0	21.9	109	75-123	
1,2,4-Trichlorobenzene	20.0	20.0	100	74-124	
1,2-Dibromo-3-Chloropropane	20.0	19.0	95	65-129	
1,2-Dichlorobenzene	20.0	18.5	93	80-121	
1,2-Dichloroethane	20.0	20.3	102	68-120	
1,2-Dichloropropane	20.0	19.5	97	77-124	
1,3-Dichlorobenzene	20.0	17.9	90	79-124	
1,4-Dichlorobenzene	20.0	18.1	91	79-121	
1,4-Dioxane	400	354	88	67-150	
2-Butanone (MEK)	100	116	116	61-140	
2-Hexanone	100	103	103	78-120	
4-Methyl-2-pentanone (MIBK)	100	106	106	80-120	
Acetone	100	110	110	75-120	
Acetonitrile	200	202	101	60-137	
Acrolein	300	233	78	11-143	
Benzene	20.0	19.6	98	75-127	
Bromoform	20.0	29.5	148	19-150	
Bromomethane	20.0	22.9	115	59-136	
Carbon disulfide	20.0	21.1	106	74-130	
Carbon tetrachloride	20.0	25.4	127	77-138	
Chlorobenzene	20.0	19.7	98	80-120	
Chlorobromomethane	20.0	21.3	106	80-125	
Chlorodibromomethane	20.0	24.8	124	67-143	
Chloroethane	20.0	21.8	109	50-139	
Chloroform	20.0	20.5	102	80-122	
Chloromethane	20.0	17.4	87	66-128	
cis-1,2-Dichloroethene	20.0	21.1	106	80-123	
cis-1,3-Dichloropropene	20.0	18.4	92	75-124	
Cyclohexane	20.0	19.9	100	67-135	
Dichlorobromomethane	20.0	22.2	111	76-129	
Dichlorodifluoromethane	20.0	19.1	96	72-127	
Ethylbenzene	20.0	19.2	96	79-124	
Ethylene Dibromide	20.0	19.3	96	80-122	
Isopropylbenzene	20.0	19.8	99	80-125	
Methyl acetate	100	98.9	99	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K56989.D

Lab ID: LCS 460-385947/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Methyl tert-butyl ether	20.0	21.0	105	80-120	
Methylcyclohexane	20.0	21.3	107	71-137	
Methylene Chloride	20.0	21.4	107	79-128	
m-Xylene & p-Xylene	20.0	19.1	95	79-121	
o-Xylene	20.0	19.5	97	79-123	
Styrene	20.0	19.0	95	78-123	
TBA	200	191	95	71-120	
Tetrachloroethene	20.0	22.3	111	73-130	
Toluene	20.0	19.0	95	75-122	
trans-1,2-Dichloroethene	20.0	21.0	105	80-129	
trans-1,3-Dichloropropene	20.0	17.8	89	72-121	
Trichloroethene	20.0	20.8	104	79-122	
Trichlorofluoromethane	20.0	18.5	92	68-136	
Vinyl chloride	20.0	17.7	89	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25136.D

Lab ID: LCS 460-385950/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.0	105	80-125	
1,1,2,2-Tetrachloroethane	20.0	20.8	104	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.4	107	78-132	
1,1,2-Trichloroethane	20.0	20.9	105	76-124	
1,1-Dichloroethane	20.0	23.1	115	80-124	
1,1-Dichloroethene	20.0	20.3	101	79-132	
1,2,3-Trichlorobenzene	20.0	17.5	87	75-123	
1,2,4-Trichlorobenzene	20.0	18.6	93	74-124	
1,2-Dibromo-3-Chloropropane	20.0	18.9	95	65-129	
1,2-Dichlorobenzene	20.0	19.4	97	80-121	
1,2-Dichloroethane	20.0	21.3	107	68-120	
1,2-Dichloropropane	20.0	23.2	116	77-124	
1,3-Dichlorobenzene	20.0	20.3	102	79-124	
1,4-Dichlorobenzene	20.0	19.8	99	79-121	
1,4-Dioxane	400	392	98	67-150	
2-Butanone (MEK)	100	92.4	92	61-140	
2-Hexanone	100	101	101	78-120	
4-Methyl-2-pentanone (MIBK)	100	100	100	80-120	
Acetone	100	90.9	91	75-120	
Acetonitrile	200	183	91	60-137	
Acrolein	300	277	92	11-143	
Benzene	20.0	21.6	108	75-127	
Bromoform	20.0	16.3	82	19-150	
Bromomethane	20.0	17.4	87	59-136	
Carbon disulfide	20.0	21.2	106	74-130	
Carbon tetrachloride	20.0	20.1	100	77-138	
Chlorobenzene	20.0	20.7	103	80-120	
Chlorobromomethane	20.0	19.2	96	80-125	
Chlorodibromomethane	20.0	18.7	94	67-143	
Chloroethane	20.0	18.1	91	50-139	
Chloroform	20.0	21.3	106	80-122	
Chloromethane	20.0	20.9	104	66-128	
cis-1,2-Dichloroethene	20.0	20.9	105	80-123	
cis-1,3-Dichloropropene	20.0	23.6	118	75-124	
Cyclohexane	20.0	24.3	122	67-135	
Dichlorobromomethane	20.0	20.2	101	76-129	
Dichlorodifluoromethane	20.0	18.9	94	72-127	
Ethylbenzene	20.0	21.5	107	79-124	
Ethylene Dibromide	20.0	20.0	100	80-122	
Isopropylbenzene	20.0	22.4	112	80-125	
Methyl acetate	100	117	117	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25136.D

Lab ID: LCS 460-385950/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Methyl tert-butyl ether	20.0	23.1	116	80-120	
Methylcyclohexane	20.0	25.6	128	71-137	
Methylene Chloride	20.0	19.7	99	79-128	
m-Xylene & p-Xylene	20.0	21.4	107	79-121	
o-Xylene	20.0	22.2	111	79-123	
Styrene	20.0	21.9	110	78-123	
TBA	200	186	93	71-120	
Tetrachloroethene	20.0	18.1	90	73-130	
Toluene	20.0	20.7	104	75-122	
trans-1,2-Dichloroethene	20.0	20.8	104	80-129	
trans-1,3-Dichloropropene	20.0	22.4	112	72-121	
Trichloroethene	20.0	20.2	101	79-122	
Trichlorofluoromethane	20.0	17.4	87	68-136	
Vinyl chloride	20.0	19.0	95	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P16395.D

Lab ID: LCS 460-386008/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.3	106	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.8	104	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.2	86	59-150	
1,1,2-Trichloroethane	20.0	19.5	98	78-120	
1,1-Dichloroethane	20.0	19.3	97	77-123	
1,1-Dichloroethene	20.0	21.6	108	74-123	
1,2,3-Trichlorobenzene	20.0	17.1	86	78-131	
1,2,4-Trichlorobenzene	20.0	18.1	90	80-124	
1,2-Dibromo-3-Chloropropane	20.0	19.9	100	55-134	
1,2-Dichlorobenzene	20.0	19.7	98	80-120	
1,2-Dichloroethane	20.0	19.6	98	76-121	
1,2-Dichloropropane	20.0	20.3	102	77-123	
1,3-Dichlorobenzene	20.0	19.3	96	80-120	
1,4-Dichlorobenzene	20.0	19.7	99	80-120	
1,4-Dioxane	400	441	110	10-150	
2-Butanone (MEK)	100	95.9	96	64-120	
2-Hexanone	100	101	101	71-125	
4-Methyl-2-pentanone (MIBK)	100	108	108	78-124	
Acetone	100	93.1	93	39-150	
Benzene	20.0	21.0	105	77-121	
Bromoform	20.0	19.8	99	53-120	
Bromomethane	20.0	13.8	69	10-150	
Carbon disulfide	20.0	22.0	110	69-133	
Carbon tetrachloride	20.0	21.9	109	70-132	
Chlorobenzene	20.0	19.2	96	80-120	
Chlorobromomethane	20.0	19.9	100	77-127	
Chlorodibromomethane	20.0	20.5	103	73-120	
Chloroethane	20.0	15.7	78	52-150	
Chloroform	20.0	21.0	105	80-120	
Chloromethane	20.0	16.8	84	56-131	
cis-1,2-Dichloroethene	20.0	20.3	102	80-120	
cis-1,3-Dichloropropene	20.0	20.9	104	77-120	
Cyclohexane	20.0	15.9	80	56-150	
Dichlorobromomethane	20.0	20.3	102	76-120	
Dichlorodifluoromethane	20.0	16.1	81	50-131	
Ethylbenzene	20.0	20.2	101	80-120	
Ethylene Dibromide	20.0	20.3	101	80-120	
Isopropylbenzene	20.0	19.8	99	80-123	
Methyl acetate	100	113	113	66-144	
Methyl tert-butyl ether	20.0	21.9	110	79-122	
Methylcyclohexane	20.0	14.1	71	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P16395.D

Lab ID: LCS 460-386008/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	20.0	22.3	111	77-123	
m-Xylene & p-Xylene	20.0	18.9	95	80-120	
o-Xylene	20.0	20.1	100	80-120	
Styrene	20.0	21.2	106	80-120	
Tetrachloroethene	20.0	21.1	105	78-122	
Toluene	20.0	19.4	97	80-120	
trans-1,2-Dichloroethene	20.0	20.7	103	79-120	
trans-1,3-Dichloropropene	20.0	21.1	105	76-120	
Trichloroethene	20.0	21.4	107	77-120	
Trichlorofluoromethane	20.0	21.7	109	71-143	
Vinyl chloride	20.0	18.6	93	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25163.D

Lab ID: LCS 460-386039/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	17.6	88	80-125	
1,1,2,2-Tetrachloroethane	20.0	19.4	97	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	14.8	74	78-132	*
1,1,2-Trichloroethane	20.0	19.1	95	76-124	
1,1-Dichloroethane	20.0	20.8	104	80-124	
1,1-Dichloroethene	20.0	17.2	86	79-132	
1,2,3-Trichlorobenzene	20.0	16.4	82	75-123	
1,2,4-Trichlorobenzene	20.0	17.2	86	74-124	
1,2-Dibromo-3-Chloropropane	20.0	17.3	86	65-129	
1,2-Dichlorobenzene	20.0	18.3	92	80-121	
1,2-Dichloroethane	20.0	19.2	96	68-120	
1,2-Dichloropropane	20.0	21.3	107	77-124	
1,3-Dichlorobenzene	20.0	18.9	94	79-124	
1,4-Dichlorobenzene	20.0	18.6	93	79-121	
1,4-Dioxane	400	390	97	67-150	
2-Butanone (MEK)	100	89.7	90	61-140	
2-Hexanone	100	98.0	98	78-120	
4-Methyl-2-pentanone (MIBK)	100	98.0	98	80-120	
Acetone	100	84.6	85	75-120	
Acetonitrile	200	191	96	60-137	
Acrolein	300	307	102	11-143	
Benzene	20.0	19.3	96	75-127	
Bromoform	20.0	15.1	76	19-150	
Bromomethane	20.0	19.7	98	59-136	
Carbon disulfide	20.0	17.6	88	74-130	
Carbon tetrachloride	20.0	16.9	84	77-138	
Chlorobenzene	20.0	19.3	96	80-120	
Chlorobromomethane	20.0	18.1	90	80-125	
Chlorodibromomethane	20.0	17.6	88	67-143	
Chloroethane	20.0	19.6	98	50-139	
Chloroform	20.0	19.5	98	80-122	
Chloromethane	20.0	23.5	118	66-128	
cis-1,2-Dichloroethene	20.0	19.1	96	80-123	
cis-1,3-Dichloropropene	20.0	21.6	108	75-124	
Cyclohexane	20.0	18.1	90	67-135	
Dichlorobromomethane	20.0	18.7	94	76-129	
Dichlorodifluoromethane	20.0	18.1	91	72-127	
Ethylbenzene	20.0	19.5	97	79-124	
Ethylene Dibromide	20.0	18.6	93	80-122	
Isopropylbenzene	20.0	19.5	98	80-125	
Methyl acetate	100	104	104	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25163.D

Lab ID: LCS 460-386039/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Methyl tert-butyl ether	20.0	16.0	80	80-120	
Methylcyclohexane	20.0	20.2	101	71-137	
Methylene Chloride	20.0	18.3	91	79-128	
m-Xylene & p-Xylene	20.0	19.3	96	79-121	
o-Xylene	20.0	19.9	99	79-123	
Styrene	20.0	19.9	100	78-123	
TBA	200	183	91	71-120	
Tetrachloroethene	20.0	15.4	77	73-130	
Toluene	20.0	18.6	93	75-122	
trans-1,2-Dichloroethene	20.0	18.8	94	80-129	
trans-1,3-Dichloropropene	20.0	20.7	103	72-121	
Trichloroethene	20.0	18.3	91	79-122	
Trichlorofluoromethane	20.0	17.1	85	68-136	
Vinyl chloride	20.0	20.9	105	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25190.D

Lab ID: LCS 460-386262/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.2	91	80-125	
1,1,2,2-Tetrachloroethane	20.0	18.7	93	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	15.5	77	78-132	*
1,1,2-Trichloroethane	20.0	19.0	95	76-124	
1,1-Dichloroethane	20.0	20.8	104	80-124	
1,1-Dichloroethene	20.0	17.0	85	79-132	
1,2,3-Trichlorobenzene	20.0	17.0	85	75-123	
1,2,4-Trichlorobenzene	20.0	17.4	87	74-124	
1,2-Dibromo-3-Chloropropane	20.0	17.7	88	65-129	
1,2-Dichlorobenzene	20.0	18.2	91	80-121	
1,2-Dichloroethane	20.0	20.1	100	68-120	
1,2-Dichloropropane	20.0	21.3	106	77-124	
1,3-Dichlorobenzene	20.0	18.8	94	79-124	
1,4-Dichlorobenzene	20.0	18.5	92	79-121	
1,4-Dioxane	400	379	95	67-150	
2-Butanone (MEK)	100	89.2	89	61-140	
2-Hexanone	100	100	100	78-120	
4-Methyl-2-pentanone (MIBK)	100	99.7	100	80-120	
Acetone	100	86.4	86	75-120	
Acetonitrile	200	200	100	60-137	
Acrolein	300	299	100	11-143	
Benzene	20.0	18.7	94	75-127	
Bromoform	20.0	16.6	83	19-150	
Bromomethane	20.0	18.8	94	59-136	
Carbon disulfide	20.0	16.9	84	74-130	
Carbon tetrachloride	20.0	18.0	90	77-138	
Chlorobenzene	20.0	19.3	96	80-120	
Chlorobromomethane	20.0	18.6	93	80-125	
Chlorodibromomethane	20.0	17.9	89	67-143	
Chloroethane	20.0	18.9	95	50-139	
Chloroform	20.0	19.7	98	80-122	
Chloromethane	20.0	22.4	112	66-128	
cis-1,2-Dichloroethene	20.0	19.2	96	80-123	
cis-1,3-Dichloropropene	20.0	21.2	106	75-124	
Cyclohexane	20.0	19.0	95	67-135	
Dichlorobromomethane	20.0	18.9	94	76-129	
Dichlorodifluoromethane	20.0	19.0	95	72-127	
Ethylbenzene	20.0	19.0	95	79-124	
Ethylene Dibromide	20.0	18.9	95	80-122	
Isopropylbenzene	20.0	19.7	99	80-125	
Methyl acetate	100	109	109	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25190.D

Lab ID: LCS 460-386262/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Methyl tert-butyl ether	20.0	17.0	85	80-120	
Methylcyclohexane	20.0	21.5	107	71-137	
Methylene Chloride	20.0	17.8	89	79-128	
m-Xylene & p-Xylene	20.0	19.3	96	79-121	
o-Xylene	20.0	19.7	99	79-123	
Styrene	20.0	19.9	100	78-123	
TBA	200	177	88	71-120	
Tetrachloroethene	20.0	16.4	82	73-130	
Toluene	20.0	18.1	90	75-122	
trans-1,2-Dichloroethene	20.0	18.6	93	80-129	
trans-1,3-Dichloropropene	20.0	20.9	104	72-121	
Trichloroethene	20.0	18.3	92	79-122	
Trichlorofluoromethane	20.0	16.6	83	68-136	
Vinyl chloride	20.0	20.3	101	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K56990.D

Lab ID: LCSD 460-385947/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.8	109	2	30	80-125	
1,1,2,2-Tetrachloroethane	20.0	16.8	84	2	30	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.6	108	5	30	78-132	
1,1,2-Trichloroethane	20.0	18.1	90	1	30	76-124	
1,1-Dichloroethane	20.0	19.9	100	0	30	80-124	
1,1-Dichloroethene	20.0	20.9	105	3	30	79-132	
1,2,3-Trichlorobenzene	20.0	21.8	109	0	30	75-123	
1,2,4-Trichlorobenzene	20.0	19.4	97	3	30	74-124	
1,2-Dibromo-3-Chloropropane	20.0	18.1	90	5	30	65-129	
1,2-Dichlorobenzene	20.0	18.1	91	2	30	80-121	
1,2-Dichloroethane	20.0	20.4	102	0	30	68-120	
1,2-Dichloropropane	20.0	19.5	98	0	30	77-124	
1,3-Dichlorobenzene	20.0	17.5	87	3	30	79-124	
1,4-Dichlorobenzene	20.0	17.8	89	1	30	79-121	
1,4-Dioxane	400	353	88	0	30	67-150	
2-Butanone (MEK)	100	112	112	3	30	61-140	
2-Hexanone	100	105	105	2	30	78-120	
4-Methyl-2-pentanone (MIBK)	100	106	106	0	30	80-120	
Acetone	100	112	112	2	30	75-120	
Acetonitrile	200	196	98	3	30	60-137	
Acrolein	300	220	73	6	30	11-143	
Benzene	20.0	19.3	97	1	30	75-127	
Bromoform	20.0	30.2	151	2	30	19-150	*
Bromomethane	20.0	22.8	114	0	30	59-136	
Carbon disulfide	20.0	20.9	105	1	30	74-130	
Carbon tetrachloride	20.0	25.9	129	2	30	77-138	
Chlorobenzene	20.0	19.6	98	0	30	80-120	
Chlorobromomethane	20.0	21.3	107	0	30	80-125	
Chlorodibromomethane	20.0	24.9	124	0	30	67-143	
Chloroethane	20.0	21.3	106	2	30	50-139	
Chloroform	20.0	20.5	103	0	30	80-122	
Chloromethane	20.0	17.0	85	3	30	66-128	
cis-1,2-Dichloroethene	20.0	21.1	106	0	30	80-123	
cis-1,3-Dichloropropene	20.0	18.2	91	1	30	75-124	
Cyclohexane	20.0	19.6	98	2	30	67-135	
Dichlorobromomethane	20.0	22.3	112	1	30	76-129	
Dichlorodifluoromethane	20.0	19.4	97	1	30	72-127	
Ethylbenzene	20.0	19.1	96	0	30	79-124	
Ethylene Dibromide	20.0	19.4	97	0	30	80-122	
Isopropylbenzene	20.0	19.4	97	2	30	80-125	
Methyl acetate	100	98.7	99	0	30	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K56990.D

Lab ID: LCSD 460-385947/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methyl tert-butyl ether	20.0	20.7	104	1	30	80-120	
Methylcyclohexane	20.0	20.6	103	4	30	71-137	
Methylene Chloride	20.0	21.3	107	0	30	79-128	
m-Xylene & p-Xylene	20.0	19.1	95	0	30	79-121	
o-Xylene	20.0	19.3	97	1	30	79-123	
Styrene	20.0	19.1	96	1	30	78-123	
TBA	200	185	93	3	30	71-120	
Tetrachloroethene	20.0	22.5	113	1	30	73-130	
Toluene	20.0	19.0	95	0	30	75-122	
trans-1,2-Dichloroethene	20.0	20.8	104	1	30	80-129	
trans-1,3-Dichloropropene	20.0	18.4	92	3	30	72-121	
Trichloroethene	20.0	20.6	103	1	30	79-122	
Trichlorofluoromethane	20.0	19.9	99	8	30	68-136	
Vinyl chloride	20.0	17.3	86	3	30	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25137.D

Lab ID: LCSD 460-385950/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.8	104	1	30	80-125	
1,1,2,2-Tetrachloroethane	20.0	20.5	102	1	30	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.3	96	10	30	78-132	
1,1,2-Trichloroethane	20.0	20.7	104	1	30	76-124	
1,1-Dichloroethane	20.0	23.2	116	0	30	80-124	
1,1-Dichloroethene	20.0	20.8	104	3	30	79-132	
1,2,3-Trichlorobenzene	20.0	17.5	88	0	30	75-123	
1,2,4-Trichlorobenzene	20.0	18.4	92	1	30	74-124	
1,2-Dibromo-3-Chloropropane	20.0	18.5	92	2	30	65-129	
1,2-Dichlorobenzene	20.0	19.3	96	1	30	80-121	
1,2-Dichloroethane	20.0	21.0	105	1	30	68-120	
1,2-Dichloropropane	20.0	23.0	115	1	30	77-124	
1,3-Dichlorobenzene	20.0	20.3	101	0	30	79-124	
1,4-Dichlorobenzene	20.0	19.6	98	1	30	79-121	
1,4-Dioxane	400	384	96	2	30	67-150	
2-Butanone (MEK)	100	91.2	91	1	30	61-140	
2-Hexanone	100	101	101	0	30	78-120	
4-Methyl-2-pentanone (MIBK)	100	98.8	99	2	30	80-120	
Acetone	100	88.0	88	3	30	75-120	
Acetonitrile	200	172	86	6	30	60-137	
Acrolein	300	281	94	2	30	11-143	
Benzene	20.0	21.4	107	1	30	75-127	
Bromoform	20.0	15.8	79	3	30	19-150	
Bromomethane	20.0	17.1	85	2	30	59-136	
Carbon disulfide	20.0	20.5	102	3	30	74-130	
Carbon tetrachloride	20.0	20.0	100	0	30	77-138	
Chlorobenzene	20.0	20.7	104	0	30	80-120	
Chlorobromomethane	20.0	18.9	94	2	30	80-125	
Chlorodibromomethane	20.0	18.4	92	2	30	67-143	
Chloroethane	20.0	17.1	85	6	30	50-139	
Chloroform	20.0	21.2	106	0	30	80-122	
Chloromethane	20.0	20.5	102	2	30	66-128	
cis-1,2-Dichloroethene	20.0	20.6	103	2	30	80-123	
cis-1,3-Dichloropropene	20.0	23.1	115	2	30	75-124	
Cyclohexane	20.0	23.9	119	2	30	67-135	
Dichlorobromomethane	20.0	19.9	99	2	30	76-129	
Dichlorodifluoromethane	20.0	19.1	95	1	30	72-127	
Ethylbenzene	20.0	21.8	109	2	30	79-124	
Ethylene Dibromide	20.0	19.6	98	2	30	80-122	
Isopropylbenzene	20.0	22.2	111	1	30	80-125	
Methyl acetate	100	122	122	4	30	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25137.D

Lab ID: LCSD 460-385950/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methyl tert-butyl ether	20.0	20.6	103	12	30	80-120	
Methylcyclohexane	20.0	25.7	129	0	30	71-137	
Methylene Chloride	20.0	19.2	96	3	30	79-128	
m-Xylene & p-Xylene	20.0	21.4	107	0	30	79-121	
o-Xylene	20.0	22.1	110	1	30	79-123	
Styrene	20.0	21.9	110	0	30	78-123	
TBA	200	180	90	3	30	71-120	
Tetrachloroethene	20.0	18.3	92	1	30	73-130	
Toluene	20.0	20.5	103	1	30	75-122	
trans-1,2-Dichloroethene	20.0	20.9	104	0	30	80-129	
trans-1,3-Dichloropropene	20.0	22.3	112	1	30	72-121	
Trichloroethene	20.0	20.4	102	1	30	79-122	
Trichlorofluoromethane	20.0	16.8	84	3	30	68-136	
Vinyl chloride	20.0	19.5	98	3	30	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P16396.D

Lab ID: LCSD 460-386008/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.9	105	2	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.6	103	1	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.1	86	1	30	59-150	
1,1,2-Trichloroethane	20.0	20.1	100	3	30	78-120	
1,1-Dichloroethane	20.0	19.4	97	0	30	77-123	
1,1-Dichloroethene	20.0	21.0	105	3	30	74-123	
1,2,3-Trichlorobenzene	20.0	16.4	82	4	30	78-131	
1,2,4-Trichlorobenzene	20.0	17.9	90	1	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	21.2	106	6	30	55-134	
1,2-Dichlorobenzene	20.0	19.6	98	0	30	80-120	
1,2-Dichloroethane	20.0	19.8	99	1	30	76-121	
1,2-Dichloropropane	20.0	20.6	103	1	30	77-123	
1,3-Dichlorobenzene	20.0	19.6	98	2	30	80-120	
1,4-Dichlorobenzene	20.0	19.7	98	0	30	80-120	
1,4-Dioxane	400	473	118	7	30	10-150	
2-Butanone (MEK)	100	97.0	97	1	30	64-120	
2-Hexanone	100	105	105	4	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	108	108	0	30	78-124	
Acetone	100	95.2	95	2	30	39-150	
Benzene	20.0	20.8	104	1	30	77-121	
Bromoform	20.0	19.1	95	4	30	53-120	
Bromomethane	20.0	15.3	76	10	30	10-150	
Carbon disulfide	20.0	21.2	106	4	30	69-133	
Carbon tetrachloride	20.0	21.8	109	0	30	70-132	
Chlorobenzene	20.0	19.5	98	2	30	80-120	
Chlorobromomethane	20.0	19.7	98	1	30	77-127	
Chlorodibromomethane	20.0	20.8	104	1	30	73-120	
Chloroethane	20.0	13.4	67	16	30	52-150	
Chloroform	20.0	20.7	104	1	30	80-120	
Chloromethane	20.0	16.4	82	2	30	56-131	
cis-1,2-Dichloroethene	20.0	19.9	99	2	30	80-120	
cis-1,3-Dichloropropene	20.0	21.0	105	1	30	77-120	
Cyclohexane	20.0	16.0	80	0	30	56-150	
Dichlorobromomethane	20.0	20.5	102	1	30	76-120	
Dichlorodifluoromethane	20.0	15.8	79	2	30	50-131	
Ethylbenzene	20.0	19.2	96	5	30	80-120	
Ethylene Dibromide	20.0	20.6	103	2	30	80-120	
Isopropylbenzene	20.0	20.1	101	2	30	80-123	
Methyl acetate	100	110	110	3	30	66-144	
Methyl tert-butyl ether	20.0	21.6	108	1	30	79-122	
Methylcyclohexane	20.0	14.1	71	0	30	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P16396.D

Lab ID: LCSD 460-386008/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylene Chloride	20.0	22.5	112	1	30	77-123	
m-Xylene & p-Xylene	20.0	19.1	96	1	30	80-120	
o-Xylene	20.0	19.7	98	2	30	80-120	
Styrene	20.0	21.6	108	2	30	80-120	
Tetrachloroethene	20.0	19.9	99	6	30	78-122	
Toluene	20.0	19.5	97	0	30	80-120	
trans-1,2-Dichloroethene	20.0	20.5	103	1	30	79-120	
trans-1,3-Dichloropropene	20.0	20.4	102	3	30	76-120	
Trichloroethene	20.0	19.9	100	7	30	77-120	
Trichlorofluoromethane	20.0	22.2	111	2	30	71-143	
Vinyl chloride	20.0	18.0	90	3	30	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25191.D

Lab ID: LCSD 460-386262/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	16.9	84	8	30	80-125	
1,1,2,2-Tetrachloroethane	20.0	18.3	92	2	30	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.1	81	4	30	78-132	
1,1,2-Trichloroethane	20.0	18.5	93	2	30	76-124	
1,1-Dichloroethane	20.0	19.0	95	9	30	80-124	
1,1-Dichloroethene	20.0	16.5	82	3	30	79-132	
1,2,3-Trichlorobenzene	20.0	16.1	81	5	30	75-123	
1,2,4-Trichlorobenzene	20.0	17.0	85	2	30	74-124	
1,2-Dibromo-3-Chloropropane	20.0	17.6	88	1	30	65-129	
1,2-Dichlorobenzene	20.0	17.4	87	4	30	80-121	
1,2-Dichloroethane	20.0	19.3	96	4	30	68-120	
1,2-Dichloropropane	20.0	20.1	100	6	30	77-124	
1,3-Dichlorobenzene	20.0	17.5	88	7	30	79-124	
1,4-Dichlorobenzene	20.0	17.6	88	5	30	79-121	
1,4-Dioxane	400	410	102	8	30	67-150	
2-Butanone (MEK)	100	87.7	88	2	30	61-140	
2-Hexanone	100	97.6	98	3	30	78-120	
4-Methyl-2-pentanone (MIBK)	100	96.2	96	4	30	80-120	
Acetone	100	89.9	90	4	30	75-120	
Acetonitrile	200	195	98	2	30	60-137	
Acrolein	300	269	90	10	30	11-143	
Benzene	20.0	17.6	88	6	30	75-127	
Bromoform	20.0	16.3	81	2	30	19-150	
Bromomethane	20.0	17.0	85	10	30	59-136	
Carbon disulfide	20.0	16.2	81	4	30	74-130	
Carbon tetrachloride	20.0	15.8	79	13	30	77-138	
Chlorobenzene	20.0	17.8	89	8	30	80-120	
Chlorobromomethane	20.0	17.4	87	6	30	80-125	
Chlorodibromomethane	20.0	17.3	87	3	30	67-143	
Chloroethane	20.0	16.8	84	12	30	50-139	
Chloroform	20.0	18.2	91	8	30	80-122	
Chloromethane	20.0	18.6	93	18	30	66-128	
cis-1,2-Dichloroethene	20.0	17.7	88	8	30	80-123	
cis-1,3-Dichloropropene	20.0	20.5	102	4	30	75-124	
Cyclohexane	20.0	17.4	87	9	30	67-135	
Dichlorobromomethane	20.0	17.9	89	6	30	76-129	
Dichlorodifluoromethane	20.0	14.4	72	28	30	72-127	
Ethylbenzene	20.0	17.3	87	9	30	79-124	
Ethylene Dibromide	20.0	18.5	92	2	30	80-122	
Isopropylbenzene	20.0	17.6	88	12	30	80-125	
Methyl acetate	100	109	109	0	30	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25191.D

Lab ID: LCSD 460-386262/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methyl tert-butyl ether	20.0	20.7	103	20	30	80-120	
Methylcyclohexane	20.0	18.1	91	17	30	71-137	
Methylene Chloride	20.0	17.9	89	0	30	79-128	
m-Xylene & p-Xylene	20.0	17.4	87	10	30	79-121	
o-Xylene	20.0	18.1	90	9	30	79-123	
Styrene	20.0	18.7	93	6	30	78-123	
TBA	200	179	89	1	30	71-120	
Tetrachloroethene	20.0	14.4	72	13	30	73-130	*
Toluene	20.0	16.8	84	7	30	75-122	
trans-1,2-Dichloroethene	20.0	16.6	83	11	30	80-129	
trans-1,3-Dichloropropene	20.0	20.0	100	4	30	72-121	
Trichloroethene	20.0	16.7	84	9	30	79-122	
Trichlorofluoromethane	20.0	14.4	72	15	30	68-136	
Vinyl chloride	20.0	15.7	78	26	30	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25173.D

Lab ID: 460-118857-5 MS Client ID: SB-8 (2-4) 08182016 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	18.1	0.77 U	18.0	99	80-125	
1,1,2,2-Tetrachloroethane	18.1	0.77 U	8.21	45	72-131	*
1,1,2-Trichloro-1,2,2-trifluoroethane	18.1	0.77 U	17.5	97	78-132	
1,1,2-Trichloroethane	18.1	0.77 U	15.9	88	76-124	
1,1-Dichloroethane	18.1	0.77 U	18.3	101	80-124	
1,1-Dichloroethene	18.1	0.77 U	15.5	86	79-132	
1,2,3-Trichlorobenzene	18.1	0.77 U	5.83	32	75-123	*
1,2,4-Trichlorobenzene	18.1	0.77 U	4.78	26	74-124	*
1,2-Dibromo-3-Chloropropane	18.1	0.77 U	15.3	84	65-129	
1,2-Dichlorobenzene	18.1	0.77 U	10.7	59	80-121	*
1,2-Dichloroethane	18.1	0.77 U	14.6	80	68-120	
1,2-Dichloropropane	18.1	0.77 U	18.4	101	77-124	
1,3-Dichlorobenzene	18.1	0.77 U	8.39	46	79-124	*
1,4-Dichlorobenzene	18.1	0.77 U	7.21	40	79-121	*
1,4-Dioxane	363	15 U	498	137	67-150	
2-Butanone (MEK)	90.7	0.94 J	82.3	90	61-140	
2-Hexanone	90.7	3.9 U	80.3	89	78-120	
4-Methyl-2-pentanone (MIBK)	90.7	3.9 U	88.2	97	80-120	
Acetone	90.7	19	120	111	75-120	
Acetonitrile	181	7.7 U	163	90	60-137	
Acrolein	272	77 U	150	55	11-143	
Benzene	18.1	0.77 U	16.8	93	75-127	
Bromoform	18.1	0.77 U	11.4	63	19-150	
Bromomethane	18.1	0.77 U	16.8	93	59-136	
Carbon disulfide	18.1	0.77 U	13.1	72	74-130	*
Carbon tetrachloride	18.1	0.77 U	17.0	94	77-138	
Chlorobenzene	18.1	0.77 U	11.6	64	80-120	*
Chlorobromomethane	18.1	0.77 U	13.7	76	80-125	*
Chlorodibromomethane	18.1	0.77 U	13.7	75	67-143	
Chloroethane	18.1	0.77 U	16.4	90	50-139	
Chloroform	18.1	0.77 U	16.5	91	80-122	
Chloromethane	18.1	0.77 U	19.5	107	66-128	
cis-1,2-Dichloroethene	18.1	0.77 U	13.3	74	80-123	*
cis-1,3-Dichloropropene	18.1	0.77 U	12.6	69	75-124	*
Cyclohexane	18.1	0.77 U	18.7	103	67-135	
Dichlorobromomethane	18.1	0.77 U	14.7	81	76-129	
Dichlorodifluoromethane	18.1	0.77 U	18.0	99	72-127	
Ethylbenzene	18.1	0.77 U	13.4	74	79-124	*
Ethylene Dibromide	18.1	0.77 U	11.5	63	80-122	*
Isopropylbenzene	18.1	0.77 U	15.5	85	80-125	
Methyl acetate	90.7	3.9 U	82.0	90	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25173.D

Lab ID: 460-118857-5 MS Client ID: SB-8 (2-4) 08182016 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Methyl tert-butyl ether	18.1	0.77 U	19.2	106	80-120	
Methylcyclohexane	18.1	0.77 U	17.4	96	71-137	
Methylene Chloride	18.1	1.6	15.9	79	79-128	
m-Xylene & p-Xylene	18.1	0.77 U	12.9	71	79-121	*
o-Xylene	18.1	0.77 U	15.8	87	79-123	
Styrene	18.1	0.77 U	10.6	58	78-123	*
TBA	181	7.7 U	182	101	71-120	
Tetrachloroethene	18.1	0.77 U	11.4	63	73-130	*
Toluene	18.1	0.77 U	13.9	77	75-122	
trans-1,2-Dichloroethene	18.1	0.77 U	12.2	67	80-129	*
trans-1,3-Dichloropropene	18.1	0.77 U	9.52	52	72-121	*
Trichloroethene	18.1	0.77 U	17.8	98	79-122	
Trichlorofluoromethane	18.1	0.77 U	16.6	92	68-136	
Vinyl chloride	18.1	0.77 U	17.0	94	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J44643.D

Lab ID: 460-118805-A-9 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	400	3.2	411	102	75-125	
1,1,2,2-Tetrachloroethane	400	2.0 U	415	104	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	400	2.0 U	461	115	59-150	
1,1,2-Trichloroethane	400	2.0 U	390	98	78-120	
1,1-Dichloroethane	400	2.0 U	416	104	77-123	
1,1-Dichloroethene	400	1.3 J	387	96	74-123	
1,2,3-Trichlorobenzene	400	2.0 U	356	89	78-131	
1,2,4-Trichlorobenzene	400	2.0 U	371	93	80-124	
1,2-Dibromo-3-Chloropropane	400	2.0 U	343	86	55-134	
1,2-Dichlorobenzene	400	2.0 U	415	104	80-120	
1,2-Dichloroethane	400	2.0 U	386	96	76-121	
1,2-Dichloropropane	400	2.0 U	414	104	77-123	
1,3-Dichlorobenzene	400	2.0 U	417	104	80-120	
1,4-Dichlorobenzene	400	2.0 U	429	107	80-120	
1,4-Dioxane	8000	100 U	7570	95	10-150	
2-Butanone (MEK)	2000	10 U	1840	92	64-120	
2-Hexanone	2000	10 U	1860	93	71-125	
4-Methyl-2-pentanone (MIBK)	2000	10 U	2010	101	78-124	
Acetone	2000	10 U	1450	72	39-150	
Benzene	400	2.0 U	422	106	77-121	
Bromoform	400	2.0 U	309	77	53-120	
Bromomethane	400	2.0 U	394	98	10-150	
Carbon disulfide	400	2.0 U	409	102	69-133	
Carbon tetrachloride	400	2.0 U	413	103	70-132	
Chlorobenzene	400	2.0 U	409	102	80-120	
Chlorobromomethane	400	2.0 U	390	98	77-127	
Chlorodibromomethane	400	2.0 U	351	88	73-120	
Chloroethane	400	2.0 U	402	100	52-150	
Chloroform	400	2.0 U	405	101	80-120	
Chloromethane	400	2.0 U	355	89	56-131	
cis-1,2-Dichloroethene	400	2.7	391	97	80-120	
cis-1,3-Dichloropropene	400	2.0 U	402	101	77-120	
Cyclohexane	400	2.0 U	416	104	56-150	
Dichlorobromomethane	400	2.0 U	376	94	76-120	
Dichlorodifluoromethane	400	2.0 U	341	85	50-131	
Ethylbenzene	400	2.0 U	412	103	80-120	
Ethylene Dibromide	400	2.0 U	377	94	80-120	
Isopropylbenzene	400	2.0 U	414	104	80-123	
Methyl acetate	2000	10 U	2030	101	66-144	
Methyl tert-butyl ether	400	1.1 J	393	98	79-122	
Methylcyclohexane	400	2.0 U	422	105	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J44643.D

Lab ID: 460-118805-A-9 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methylene Chloride	400	2.0 U	393	98	77-123	
m-Xylene & p-Xylene	400	2.0 U	405	101	80-120	
o-Xylene	400	2.0 U	414	103	80-120	
Styrene	400	2.0 U	404	101	80-120	
Tetrachloroethene	400	540	839	75	78-122	*
Toluene	400	2.0 U	414	103	80-120	
trans-1,2-Dichloroethene	400	0.61 J	402	100	79-120	
trans-1,3-Dichloropropene	400	2.0 U	397	99	76-120	
Trichloroethene	400	17	406	97	77-120	
Trichlorofluoromethane	400	2.0 U	390	98	71-143	
Vinyl chloride	400	2.0 U	386	96	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25174.D

Lab ID: 460-118857-5 MSD Client ID: SB-8 (2-4) 08182016 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	17.6	14.6	83	21	30	80-125	
1,1,2,2-Tetrachloroethane	17.6	13.4	76	48	30	72-131	*
1,1,2-Trichloro-1,2,2-trifluoroethane	17.6	14.8	84	17	30	78-132	
1,1,2-Trichloroethane	17.6	13.6	77	16	30	76-124	
1,1-Dichloroethane	17.6	15.3	87	18	30	80-124	
1,1-Dichloroethene	17.6	14.6	83	6	30	79-132	
1,2,3-Trichlorobenzene	17.6	6.88	39	16	30	75-123	*
1,2,4-Trichlorobenzene	17.6	6.86	39	36	30	74-124	*
1,2-Dibromo-3-Chloropropane	17.6	11.8	67	26	30	65-129	
1,2-Dichlorobenzene	17.6	10.6	60	1	30	80-121	*
1,2-Dichloroethane	17.6	14.0	79	4	30	68-120	
1,2-Dichloropropane	17.6	15.6	89	16	30	77-124	
1,3-Dichlorobenzene	17.6	10.4	59	22	30	79-124	*
1,4-Dichlorobenzene	17.6	10.1	57	33	30	79-121	*
1,4-Dioxane	352	414	118	18	30	67-150	
2-Butanone (MEK)	88.0	65.6	74	23	30	61-140	
2-Hexanone	88.0	71.5	81	12	30	78-120	
4-Methyl-2-pentanone (MIBK)	88.0	71.8	82	21	30	80-120	
Acetone	88.0	82.5	72	37	30	75-120	*
Acetonitrile	176	125	71	26	30	60-137	
Acrolein	264	190	72	24	30	11-143	
Benzene	17.6	13.9	79	19	30	75-127	
Bromoform	17.6	10.7	61	7	30	19-150	
Bromomethane	17.6	15.1	86	11	30	59-136	
Carbon disulfide	17.6	13.0	74	1	30	74-130	
Carbon tetrachloride	17.6	13.7	78	22	30	77-138	
Chlorobenzene	17.6	12.5	71	8	30	80-120	*
Chlorobromomethane	17.6	12.9	73	6	30	80-125	*
Chlorodibromomethane	17.6	12.3	70	11	30	67-143	
Chloroethane	17.6	15.7	89	5	30	50-139	
Chloroform	17.6	14.3	81	14	30	80-122	
Chloromethane	17.6	16.5	94	16	30	66-128	
cis-1,2-Dichloroethene	17.6	13.4	76	0	30	80-123	*
cis-1,3-Dichloropropene	17.6	13.8	79	10	30	75-124	
Cyclohexane	17.6	15.3	87	20	30	67-135	
Dichlorobromomethane	17.6	13.5	77	9	30	76-129	
Dichlorodifluoromethane	17.6	15.1	86	17	30	72-127	
Ethylbenzene	17.6	13.1	75	2	30	79-124	*
Ethylene Dibromide	17.6	12.6	72	9	30	80-122	*
Isopropylbenzene	17.6	13.0	74	17	30	80-125	*
Methyl acetate	88.0	91.2	104	11	30	73-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D25174.D

Lab ID: 460-118857-5 MSD Client ID: SB-8 (2-4) 08182016 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methyl tert-butyl ether	17.6	15.3	87	23	30	80-120	
Methylcyclohexane	17.6	14.0	80	21	30	71-137	
Methylene Chloride	17.6	14.7	74	8	30	79-128	*
m-Xylene & p-Xylene	17.6	13.1	74	1	30	79-121	*
o-Xylene	17.6	13.7	78	14	30	79-123	*
Styrene	17.6	12.6	72	18	30	78-123	*
TBA	176	148	84	21	30	71-120	
Tetrachloroethene	17.6	10.9	62	4	30	73-130	*
Toluene	17.6	12.8	73	8	30	75-122	*
trans-1,2-Dichloroethene	17.6	12.9	73	5	30	80-129	*
trans-1,3-Dichloropropene	17.6	12.6	72	28	30	72-121	
Trichloroethene	17.6	12.4	70	36	30	79-122	*
Trichlorofluoromethane	17.6	14.8	84	12	30	68-136	
Vinyl chloride	17.6	15.7	89	8	30	70-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J44644.D

Lab ID: 460-118805-A-9 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	400	400	99	3	30	75-125	
1,1,2,2-Tetrachloroethane	400	439	110	6	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	400	449	112	3	30	59-150	
1,1,2-Trichloroethane	400	399	100	2	30	78-120	
1,1-Dichloroethane	400	387	97	7	30	77-123	
1,1-Dichloroethene	400	367	91	5	30	74-123	
1,2,3-Trichlorobenzene	400	420	105	17	30	78-131	
1,2,4-Trichlorobenzene	400	429	107	15	30	80-124	
1,2-Dibromo-3-Chloropropane	400	350	88	2	30	55-134	
1,2-Dichlorobenzene	400	422	105	1	30	80-120	
1,2-Dichloroethane	400	371	93	4	30	76-121	
1,2-Dichloropropane	400	410	103	1	30	77-123	
1,3-Dichlorobenzene	400	433	108	4	30	80-120	
1,4-Dichlorobenzene	400	435	109	1	30	80-120	
1,4-Dioxane	8000	10300	129	31	30	10-150	*
2-Butanone (MEK)	2000	2100	105	13	30	64-120	
2-Hexanone	2000	2040	102	9	30	71-125	
4-Methyl-2-pentanone (MIBK)	2000	2140	107	6	30	78-124	
Acetone	2000	1640	82	12	30	39-150	
Benzene	400	413	103	2	30	77-121	
Bromoform	400	310	78	0	30	53-120	
Bromomethane	400	384	96	2	30	10-150	
Carbon disulfide	400	391	98	5	30	69-133	
Carbon tetrachloride	400	411	103	1	30	70-132	
Chlorobenzene	400	404	101	1	30	80-120	
Chlorobromomethane	400	372	93	5	30	77-127	
Chlorodibromomethane	400	357	89	2	30	73-120	
Chloroethane	400	393	98	2	30	52-150	
Chloroform	400	396	99	2	30	80-120	
Chloromethane	400	351	88	1	30	56-131	
cis-1,2-Dichloroethene	400	388	96	1	30	80-120	
cis-1,3-Dichloropropene	400	389	97	3	30	77-120	
Cyclohexane	400	413	103	1	30	56-150	
Dichlorobromomethane	400	371	93	1	30	76-120	
Dichlorodifluoromethane	400	353	88	4	30	50-131	
Ethylbenzene	400	413	103	0	30	80-120	
Ethylene Dibromide	400	382	95	1	30	80-120	
Isopropylbenzene	400	427	107	3	30	80-123	
Methyl acetate	2000	2010	101	1	30	66-144	
Methyl tert-butyl ether	400	381	95	3	30	79-122	
Methylcyclohexane	400	426	106	1	30	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J44644.D

Lab ID: 460-118805-A-9 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylene Chloride	400	395	99	1	30	77-123	
m-Xylene & p-Xylene	400	399	100	2	30	80-120	
o-Xylene	400	407	102	2	30	80-120	
Styrene	400	414	104	3	30	80-120	
Tetrachloroethene	400	804	67	4	30	78-122	*
Toluene	400	404	101	2	30	80-120	
trans-1,2-Dichloroethene	400	387	97	4	30	79-120	
trans-1,3-Dichloropropene	400	389	97	2	30	76-120	
Trichloroethene	400	405	97	0	30	77-120	
Trichlorofluoromethane	400	387	97	1	30	71-143	
Vinyl chloride	400	373	93	3	30	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: D25140.D Lab Sample ID: MB 460-385950/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: CVOAMS4 Date Analyzed: 08/21/2016 08:48

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-385950/3	D25136.D	08/21/2016 06:41
	LCSD 460-385950/4	D25137.D	08/21/2016 07:06
SB-9 (2-4) 08182016	460-118857-3	D25148.D	08/21/2016 12:07
SB-9 (12-14) 08182016	460-118857-4	D25149.D	08/21/2016 12:31
SB-4 (3-5) 08182016	460-118857-7	D25151.D	08/21/2016 13:20
SB-4 (11-13) 08182016	460-118857-8	D25152.D	08/21/2016 13:45
SB-6 (2-4) 08182016	460-118857-9	D25153.D	08/21/2016 14:10
SB-6 (13-15) 08182016	460-118857-10	D25154.D	08/21/2016 14:35
SB-5 (2-4) 08182016	460-118857-11	D25155.D	08/21/2016 14:59
SB-5 (13-15) 08182016	460-118857-12	D25156.D	08/21/2016 15:24
SB-7 (2-4) 08182016	460-118857-13	D25157.D	08/21/2016 15:49
SB-7 (13-15) 08182016	460-118857-14	D25158.D	08/21/2016 16:13

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: D25167.D Lab Sample ID: MB 460-386039/8

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: CVOAMS4 Date Analyzed: 08/22/2016 13:01

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-386039/4	D25163.D	08/22/2016 11:24
SB-8 (13-15) 08182016	460-118857-6	D25169.D	08/22/2016 13:50
SB-8 (2-4) 08182016	460-118857-5	D25170.D	08/22/2016 14:15
SB-10 (13-15) 08182016	460-118857-2	D25171.D	08/22/2016 14:39
SB-8 (2-4) 08182016 MS	460-118857-5 MS	D25173.D	08/22/2016 15:28
SB-8 (2-4) 08182016 MSD	460-118857-5 MSD	D25174.D	08/22/2016 15:52

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: D25194.D Lab Sample ID: MB 460-386262/8

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: CVOAMS4 Date Analyzed: 08/23/2016 13:48

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-386262/4	D25190.D	08/23/2016 12:10
	LCSD 460-386262/5	D25191.D	08/23/2016 12:35
SB-10 (2-4) 08182016	460-118857-1	D25209.D	08/23/2016 19:57

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: K56993.D Lab Sample ID: MB 460-385947/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: CVOAMS9 Date Analyzed: 08/21/2016 09:32

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-385947/3	K56989.D	08/21/2016 06:16
	LCSD 460-385947/4	K56990.D	08/21/2016 06:41
SB-1(2-4)-08192016	460-118926-1	K57004.D	08/21/2016 14:18
SB-1(12-14)-08192016	460-118926-2	K57005.D	08/21/2016 14:44
SB-2(2-4)08192016	460-118926-3	K57006.D	08/21/2016 15:10
SB-2(10-12)08192016	460-118926-4	K57007.D	08/21/2016 15:35
SB-3(2-4)08192016	460-118926-5	K57008.D	08/21/2016 16:01
SB-3(13-15)08192016	460-118926-6	K57009.D	08/21/2016 16:27
SB-X08192016	460-118926-7	K57010.D	08/21/2016 16:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: J44637.D Lab Sample ID: MB 460-385824/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS8 Date Analyzed: 08/19/2016 23:44

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-385824/3	J44633.D	08/19/2016 22:00
	460-118805-A-9 MS	J44643.D	08/20/2016 02:19
	460-118805-A-9 MSD	J44644.D	08/20/2016 02:44
TB 08182016	460-118857-15	J44647.D	08/20/2016 04:02

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: P16399.D Lab Sample ID: MB 460-386008/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS13 Date Analyzed: 08/22/2016 10:41

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-386008/3	P16395.D	08/22/2016 08:56
	LCSD 460-386008/4	P16396.D	08/22/2016 09:22
FB08192016	460-118926-8	P16402.D	08/22/2016 12:00
TB08192016	460-118926-9	P16405.D	08/22/2016 13:18

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: P16285.D BFB Injection Date: 08/18/2016

Instrument ID: CVOAMS13 BFB Injection Time: 10:34

Analysis Batch No.: 385507

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.2	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.8	(1.0) 1
174	50.0 - 120.00 % of mass 95	77.7	
175	5.0 - 9.0 % of mass 174	6.1	(7.8) 1
176	95.0 - 101.0 % of mass 174	76.6	(98.6) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-385507/2	P16286.D	08/18/2016	10:49
	STD05 460-385507/3	P16287.D	08/18/2016	11:23
	STD1 460-385507/4	P16288.D	08/18/2016	11:49
	STD20 460-385507/6	P16290.D	08/18/2016	12:42
	STD50 460-385507/7	P16291.D	08/18/2016	13:08
	STD200 460-385507/8	P16292.D	08/18/2016	13:34
	STD500 460-385507/9	P16293.D	08/18/2016	14:00
	STD5 460-385507/14	P16298.D	08/18/2016	17:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: P16393.D BFB Injection Date: 08/22/2016

Instrument ID: CVOAMS13 BFB Injection Time: 08:05

Analysis Batch No.: 386008

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.8	
75	30.0 - 60.0 % of mass 95	50.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	77.3	
175	5.0 - 9.0 % of mass 174	6.1	(7.8) 1
176	95.0 - 101.0 % of mass 174	75.3	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.3	(7.0) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-386008/2	P16394.D	08/22/2016	08:21
	LCS 460-386008/3	P16395.D	08/22/2016	08:56
	LCSD 460-386008/4	P16396.D	08/22/2016	09:22
	MB 460-386008/7	P16399.D	08/22/2016	10:41
FB08192016	460-118926-8	P16402.D	08/22/2016	12:00
TB08192016	460-118926-9	P16405.D	08/22/2016	13:18

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: D25058.D BFB Injection Date: 08/18/2016

Instrument ID: CVOAMS4 BFB Injection Time: 01:03

Analysis Batch No.: 385437

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.9	
75	30.0 - 60.0 % of mass 95	48.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	1.1	(1.1) 1
174	50.0 - 120.00 % of mass 95	95.3	
175	5.0 - 9.0 % of mass 174	6.9	(7.3) 1
176	95.0 - 101.0 % of mass 174	92.1	(96.7) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 460-385437/3	D25060.D	08/18/2016	01:53
	STD20 460-385437/4	D25061.D	08/18/2016	02:18
	STD50 460-385437/5	D25062.D	08/18/2016	02:42
	STD200 460-385437/6	D25063.D	08/18/2016	03:06
	STD500 460-385437/7	D25064.D	08/18/2016	03:31
	STD1 460-385437/11	D25068b.D	08/18/2016	06:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: D25134.D BFB Injection Date: 08/21/2016

Instrument ID: CVOAMS4 BFB Injection Time: 05:25

Analysis Batch No.: 385950

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.0	
75	30.0 - 60.0 % of mass 95	51.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.5	(0.7) 1
174	50.0 - 120.00 % of mass 95	69.8	
175	5.0 - 9.0 % of mass 174	5.4	(7.8) 1
176	95.0 - 101.0 % of mass 174	67.6	(96.9) 1
177	5.0 - 9.0 % of mass 176	4.7	(7.0) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-385950/2	D25135a.D	08/21/2016	06:17
	LCS 460-385950/3	D25136.D	08/21/2016	06:41
	LCSD 460-385950/4	D25137.D	08/21/2016	07:06
	MB 460-385950/7	D25140.D	08/21/2016	08:48
SB-9 (2-4) 08182016	460-118857-3	D25148.D	08/21/2016	12:07
SB-9 (12-14) 08182016	460-118857-4	D25149.D	08/21/2016	12:31
SB-4 (3-5) 08182016	460-118857-7	D25151.D	08/21/2016	13:20
SB-4 (11-13) 08182016	460-118857-8	D25152.D	08/21/2016	13:45
SB-6 (2-4) 08182016	460-118857-9	D25153.D	08/21/2016	14:10
SB-6 (13-15) 08182016	460-118857-10	D25154.D	08/21/2016	14:35
SB-5 (2-4) 08182016	460-118857-11	D25155.D	08/21/2016	14:59
SB-5 (13-15) 08182016	460-118857-12	D25156.D	08/21/2016	15:24
SB-7 (2-4) 08182016	460-118857-13	D25157.D	08/21/2016	15:49
SB-7 (13-15) 08182016	460-118857-14	D25158.D	08/21/2016	16:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: D25160.D BFB Injection Date: 08/22/2016

Instrument ID: CVOAMS4 BFB Injection Time: 09:59

Analysis Batch No.: 386039

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.8	
75	30.0 - 60.0 % of mass 95	50.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	50.0 - 120.00 % of mass 95	79.3	
175	5.0 - 9.0 % of mass 174	6.4	(8.1) 1
176	95.0 - 101.0 % of mass 174	75.7	(95.4) 1
177	5.0 - 9.0 % of mass 176	5.3	(7.0) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-386039/3	D25162.D	08/22/2016	10:58
	LCS 460-386039/4	D25163.D	08/22/2016	11:24
	MB 460-386039/8	D25167.D	08/22/2016	13:01
SB-8 (13-15) 08182016	460-118857-6	D25169.D	08/22/2016	13:50
SB-8 (2-4) 08182016	460-118857-5	D25170.D	08/22/2016	14:15
SB-10 (13-15) 08182016	460-118857-2	D25171.D	08/22/2016	14:39
SB-8 (2-4) 08182016 MS	460-118857-5 MS	D25173.D	08/22/2016	15:28
SB-8 (2-4) 08182016 MSD	460-118857-5 MSD	D25174.D	08/22/2016	15:52

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: D25187a.D BFB Injection Date: 08/23/2016

Instrument ID: CVOAMS4 BFB Injection Time: 10:32

Analysis Batch No.: 386262

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	46.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	50.0 - 120.00 % of mass 95	84.4	
175	5.0 - 9.0 % of mass 174	6.4	(7.6) 1
176	95.0 - 101.0 % of mass 174	82.2	(97.4) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-386262/3	D25189.D	08/23/2016	11:34
	LCS 460-386262/4	D25190.D	08/23/2016	12:10
	LCSD 460-386262/5	D25191.D	08/23/2016	12:35
	MB 460-386262/8	D25194.D	08/23/2016	13:48
SB-10 (2-4) 08182016	460-118857-1	D25209.D	08/23/2016	19:57

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: J44241.D BFB Injection Date: 08/10/2016

Instrument ID: CVOAMS8 BFB Injection Time: 20:50

Analysis Batch No.: 384133

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.4	
75	30.0 - 60.0 % of mass 95	45.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.6	
175	5.0 - 9.0 % of mass 174	6.6	(8.0) 1
176	95.0 - 101.0 % of mass 174	79.9	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.6	(7.1) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-384133/2	J44242.D	08/10/2016	21:16
	STD1 460-384133/3	J44243.D	08/10/2016	21:54
	STD20 460-384133/5	J44245.D	08/10/2016	22:46
	STD50 460-384133/6	J44246.D	08/10/2016	23:12
	STD200 460-384133/7	J44247.D	08/10/2016	23:38
	STD500 460-384133/8	J44248.D	08/11/2016	00:03
	STD5 460-384133/15	J44255.D	08/11/2016	03:05

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: J44631.D BFB Injection Date: 08/19/2016

Instrument ID: CVOAMS8 BFB Injection Time: 21:01

Analysis Batch No.: 385824

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.0	
75	30.0 - 60.0 % of mass 95	47.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	81.2	
175	5.0 - 9.0 % of mass 174	6.6	(8.1) 1
176	95.0 - 101.0 % of mass 174	77.4	(95.3) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.1) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-385824/2	J44632.D	08/19/2016	21:32
	LCS 460-385824/3	J44633.D	08/19/2016	22:00
	MB 460-385824/7	J44637.D	08/19/2016	23:44
	460-118805-A-9 MS	J44643.D	08/20/2016	02:19
	460-118805-A-9 MSD	J44644.D	08/20/2016	02:44
TB 08182016	460-118857-15	J44647.D	08/20/2016	04:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: K56078.D BFB Injection Date: 07/26/2016

Instrument ID: CVOAMS9 BFB Injection Time: 22:49

Analysis Batch No.: 381235

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.7	
75	30.0 - 60.0 % of mass 95	57.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.9	(1.1) 1
174	50.0 - 120.00 % of mass 95	86.2	
175	5.0 - 9.0 % of mass 174	6.8	(7.9) 1
176	95.0 - 101.0 % of mass 174	85.5	(99.2) 1
177	5.0 - 9.0 % of mass 176	6.0	(7.0) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 460-381235/3	K56080.D	07/26/2016	23:50
	STD5 460-381235/4	K56081.D	07/27/2016	00:16
	STD20 460-381235/5	K56082.D	07/27/2016	00:42
	STD50 460-381235/6	K56083.D	07/27/2016	01:08
	STD200 460-381235/7	K56084.D	07/27/2016	01:52
	STD500 460-381235/8	K56085.D	07/27/2016	02:17

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: K56987.D BFB Injection Date: 08/21/2016

Instrument ID: CVOAMS9 BFB Injection Time: 05:21

Analysis Batch No.: 385947

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.3	
75	30.0 - 60.0 % of mass 95	53.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	1.3	(1.3) 1
174	50.0 - 120.00 % of mass 95	100.6	
175	5.0 - 9.0 % of mass 174	8.9	(8.9) 1
176	95.0 - 101.0 % of mass 174	96.0	(95.5) 1
177	5.0 - 9.0 % of mass 176	5.5	(5.7) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-385947/2	K56988.D	08/21/2016	05:50
	LCS 460-385947/3	K56989.D	08/21/2016	06:16
	LCSD 460-385947/4	K56990.D	08/21/2016	06:41
	MB 460-385947/7	K56993.D	08/21/2016	09:32
SB-1(2-4)-08192016	460-118926-1	K57004.D	08/21/2016	14:18
SB-1(12-14)-08192016	460-118926-2	K57005.D	08/21/2016	14:44
SB-2(2-4)08192016	460-118926-3	K57006.D	08/21/2016	15:10
SB-2(10-12)08192016	460-118926-4	K57007.D	08/21/2016	15:35
SB-3(2-4)08192016	460-118926-5	K57008.D	08/21/2016	16:01
SB-3(13-15)08192016	460-118926-6	K57009.D	08/21/2016	16:27
SB-X08192016	460-118926-7	K57010.D	08/21/2016	16:53

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386008/2 Date Analyzed: 08/22/2016 08:21

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): P16394.D Heated Purge: (Y/N) N

Calibration ID: 57296

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		456390	2.11	488651	3.14	590743	3.72
UPPER LIMIT		912780	2.61	977302	3.64	1181486	4.22
LOWER LIMIT		228195	1.61	244326	2.64	295372	3.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-386008/3		423189	2.11	455576	3.14	586517	3.72
LCSD 460-386008/4		390753	2.11	430444	3.14	569197	3.71
MB 460-386008/7		390955	2.10	442490	3.13	552779	3.72
460-118926-8	FB08192016	323558	2.10	379107	3.13	549754	3.72
460-118926-9	TB08192016	303830	2.10	365348	3.13	536915	3.72

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386008/2 Date Analyzed: 08/22/2016 08:21

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): P16394.D Heated Purge: (Y/N) N

Calibration ID: 57296

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		39261	4.61	388529	7.15	193410	10.69
UPPER LIMIT		78522	5.11	777058	7.65	386820	11.19
LOWER LIMIT		19631	4.11	194265	6.65	96705	10.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-386008/3		35325	4.62	400749	7.15	196112	10.69
LCSD 460-386008/4		31637	4.61	390241	7.15	190665	10.69
MB 460-386008/7		34183	4.61	376300	7.15	185342	10.69
460-118926-8	FB08192016	28938	4.60	373978	7.15	180370	10.69
460-118926-9	TB08192016	27943	4.60	368510	7.15	179145	10.69

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-385950/2 Date Analyzed: 08/21/2016 06:17

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): D25135a.D Heated Purge: (Y/N) Y

Calibration ID: 57280

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		290663	3.62	304209	4.91	507410	6.23
UPPER LIMIT		581326	4.12	608418	5.41	1014820	6.73
LOWER LIMIT		145332	3.12	152105	4.41	253705	5.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-385950/3		306910	3.62	306479	4.90	506338	6.24
LCSD 460-385950/4		305431	3.62	323083	4.90	516368	6.24
MB 460-385950/7		208039	3.62	280618	4.90	503116	6.24
460-118857-3	SB-9 (2-4) 08182016	304896	3.62	326016	4.90	461298	6.23
460-118857-4	SB-9 (12-14) 08182016	267873	3.62	277037	4.90	452482	6.24
460-118857-7	SB-4 (3-5) 08182016	258903	3.62	275774	4.90	439168	6.24
460-118857-8	SB-4 (11-13) 08182016	285655	3.62	303414	4.90	477123	6.24
460-118857-9	SB-6 (2-4) 08182016	299486	3.61	327702	4.91	488358	6.24
460-118857-10	SB-6 (13-15) 08182016	312945	3.62	316506	4.90	483407	6.24
460-118857-11	SB-5 (2-4) 08182016	281560	3.61	299414	4.90	435392	6.24
460-118857-12	SB-5 (13-15) 08182016	322426	3.62	315823	4.90	461470	6.24
460-118857-13	SB-7 (2-4) 08182016	265164	3.62	317599	4.90	470406	6.24
460-118857-14	SB-7 (13-15) 08182016	307050	3.62	291602	4.91	439505	6.24

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-385950/2 Date Analyzed: 08/21/2016 06:17

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): D25135a.D Heated Purge: (Y/N) Y

Calibration ID: 57280

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		26335	7.06	374567	9.29	203735	11.06
UPPER LIMIT		52670	7.56	749134	9.79	407470	11.56
LOWER LIMIT		13168	6.56	187284	8.79	101868	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-385950/3		25859	7.07	371336	9.29	201868	11.06
LCSD 460-385950/4		27170	7.07	382117	9.29	208614	11.06
MB 460-385950/7		17559	7.07	368952	9.29	205120	11.06
460-118857-3	SB-9 (2-4) 08182016	19233	7.08	333395	9.29	172104	11.06
460-118857-4	SB-9 (12-14) 08182016	18019	7.08	335258	9.29	189713	11.06
460-118857-7	SB-4 (3-5) 08182016	17807	7.08	318073	9.29	172404	11.06
460-118857-8	SB-4 (11-13) 08182016	19262	7.08	344763	9.29	169947	11.06
460-118857-9	SB-6 (2-4) 08182016	17453	7.07	358952	9.29	199686	11.06
460-118857-10	SB-6 (13-15) 08182016	23388	7.08	358879	9.29	200679	11.06
460-118857-11	SB-5 (2-4) 08182016	19416	7.07	319881	9.29	180389	11.06
460-118857-12	SB-5 (13-15) 08182016	23119	7.08	338138	9.29	192829	11.06
460-118857-13	SB-7 (2-4) 08182016	14756	7.07	348495	9.29	196767	11.06
460-118857-14	SB-7 (13-15) 08182016	22095	7.07	325596	9.29	186046	11.06

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386039/3 Date Analyzed: 08/22/2016 10:58

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): D25162.D Heated Purge: (Y/N) Y

Calibration ID: 57280

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		266085	3.61	295658	4.90	540201	6.23
UPPER LIMIT		532170	4.11	591316	5.40	1080402	6.73
LOWER LIMIT		133043	3.11	147829	4.40	270101	5.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-386039/4		239607	3.61	287843	4.90	527772	6.24
MB 460-386039/8		293190	3.61	290786	4.90	483092	6.23
460-118857-6	SB-8 (13-15) 08182016	237176	3.61	274171	4.90	486931	6.23
460-118857-5	SB-8 (2-4) 08182016	299138	3.61	305260	4.90	512337	6.23
460-118857-2	SB-10 (13-15) 08182016	285461	3.61	288200	4.90	505874	6.24
460-118857-5 MS	SB-8 (2-4) 08182016 MS	249356	3.61	267878	4.90	488132	6.23
460-118857-5 MSD	SB-8 (2-4) 08182016 MSD	269035	3.62	293208	4.90	515698	6.23

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386039/3 Date Analyzed: 08/22/2016 10:58

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): D25162.D Heated Purge: (Y/N) Y

Calibration ID: 57280

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		25776	7.06	399837	9.29	210096	11.06
UPPER LIMIT		51552	7.56	799674	9.79	420192	11.56
LOWER LIMIT		12888	6.56	199919	8.79	105048	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-386039/4		25716	7.07	394829	9.29	212698	11.06
MB 460-386039/8		26243	7.07	353441	9.29	196434	11.06
460-118857-6	SB-8 (13-15) 08182016	15359	7.07	352302	9.29	188286	11.06
460-118857-5	SB-8 (2-4) 08182016	24254	7.07	373966	9.29	207634	11.06
460-118857-2	SB-10 (13-15) 08182016	23930	7.07	373089	9.29	210152	11.06
460-118857-5 MS	SB-8 (2-4) 08182016 MS	18082	7.07	347425	9.29	159635	11.06
460-118857-5 MSD	SB-8 (2-4) 08182016 MSD	19591	7.07	393472	9.29	216955	11.06

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386262/3 Date Analyzed: 08/23/2016 11:34

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): D25189.D Heated Purge: (Y/N) Y

Calibration ID: 57280

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		226653	3.60	246911	4.89	438910	6.23
UPPER LIMIT		453306	4.10	493822	5.39	877820	6.73
LOWER LIMIT		113327	3.10	123456	4.39	219455	5.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-386262/4		204076	3.61	249243	4.90	439624	6.23
LCSD 460-386262/5		244791	3.61	264612	4.90	460821	6.23
MB 460-386262/8		279860	3.61	277560	4.90	404432	6.23
460-118857-1	SB-10 (2-4) 08182016	224833	3.62	233418	4.90	400039	6.23

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386262/3 Date Analyzed: 08/23/2016 11:34

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): D25189.D Heated Purge: (Y/N) Y

Calibration ID: 57280

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		22736	7.06	334146	9.29	184820	11.06
UPPER LIMIT		45472	7.56	668292	9.79	369640	11.56
LOWER LIMIT		11368	6.56	167073	8.79	92410	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-386262/4		22075	7.06	338868	9.29	189117	11.06
LCSD 460-386262/5		22521	7.06	347112	9.29	192178	11.06
MB 460-386262/8		24107	7.07	298851	9.29	172032	11.06
460-118857-1	SB-10 (2-4) 08182016	17637	7.07	290409	9.29	169512	11.06

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-385824/2 Date Analyzed: 08/19/2016 21:32

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J44632.D Heated Purge: (Y/N) N

Calibration ID: 57218

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		317711	2.84	415878	4.19	968283	5.49
UPPER LIMIT		635422	3.34	831756	4.69	1936566	5.99
LOWER LIMIT		158856	2.34	207939	3.69	484142	4.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-385824/3		322224	2.84	419167	4.19	935233	5.49
MB 460-385824/7		318188	2.84	402323	4.19	957174	5.49
460-118805-A-9 MS		304543	2.85	399975	4.19	936381	5.50
460-118805-A-9 MSD		298404	2.84	378474	4.19	958598	5.49
460-118857-15	TB 08182016	309466	2.84	406740	4.19	932469	5.50

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-385824/2 Date Analyzed: 08/19/2016 21:32

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J44632.D Heated Purge: (Y/N) N

Calibration ID: 57218

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		42603	6.31	743193	9.33	404270	11.39
UPPER LIMIT		85206	6.81	1486386	9.83	808540	11.89
LOWER LIMIT		21302	5.81	371597	8.83	202135	10.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-385824/3		42753	6.30	724516	9.32	396504	11.39
MB 460-385824/7		41217	6.31	729555	9.33	386300	11.39
460-118805-A-9 MS		42256	6.30	734873	9.33	398280	11.38
460-118805-A-9 MSD		40352	6.30	743411	9.33	401719	11.38
460-118857-15	TB 08182016	43543	6.31	727685	9.33	387847	11.38

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-385947/2 Date Analyzed: 08/21/2016 05:50

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): K56988.D Heated Purge: (Y/N) Y

Calibration ID: 56904

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		497074	3.44	375012	4.55	689838	5.68
UPPER LIMIT		994148	3.94	750024	5.05	1379676	6.18
LOWER LIMIT		248537	2.94	187506	4.05	344919	5.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-385947/3		498558	3.42	371406	4.54	703991	5.67
LCSD 460-385947/4		518980	3.42	367517	4.54	710023	5.67
MB 460-385947/7		456197	3.45	318602	4.55	657303	5.68
460-118926-1	SB-1(2-4)-08192016	585989	3.44	419250	4.55	655810	5.68
460-118926-2	SB-1(12-14)-08192016	485305	3.45	365576	4.55	644228	5.68
460-118926-3	SB-2(2-4)08192016	504765	3.44	372439	4.54	632333	5.67
460-118926-4	SB-2(10-12)08192016	542464	3.44	393146	4.54	633457	5.67
460-118926-5	SB-3(2-4)08192016	554625	3.44	412458	4.54	630456	5.67
460-118926-6	SB-3(13-15)08192016	534403	3.44	387086	4.54	634170	5.67
460-118926-7	SB-X08192016	578341	3.44	412246	4.54	622798	5.67

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-385947/2 Date Analyzed: 08/21/2016 05:50

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): K56988.D Heated Purge: (Y/N) Y

Calibration ID: 56904

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		43198	6.39	574200	9.18	385309	11.60
UPPER LIMIT		86396	6.89	1148400	9.68	770618	12.10
LOWER LIMIT		21599	5.89	287100	8.68	192655	11.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-385947/3		38953	6.39	580489	9.18	382001	11.60
LCSD 460-385947/4		42068	6.38	590672	9.18	390174	11.60
MB 460-385947/7		39327	6.39	532187	9.18	365062	11.60
460-118926-1	SB-1(2-4)-08192016	37719	6.38	539741	9.18	365643	11.60
460-118926-2	SB-1(12-14)-08192016	32409	6.39	532157	9.18	359914	11.60
460-118926-3	SB-2(2-4)08192016	32769	6.38	533016	9.18	350908	11.60
460-118926-4	SB-2(10-12)08192016	35192	6.38	523523	9.18	351124	11.60
460-118926-5	SB-3(2-4)08192016	37392	6.39	537282	9.18	353141	11.60
460-118926-6	SB-3(13-15)08192016	40819	6.39	535025	9.18	354655	11.60
460-118926-7	SB-X08192016	41445	6.39	525500	9.18	338269	11.60

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (2-4) 08182016 | Lab Sample ID: 460-118857-1

Matrix: Solid | Lab File ID: D25209.D

Analysis Method: 8260C | Date Collected: 08/18/2016 08:30

Sample wt/vol: 5.796(g) | Date Analyzed: 08/23/2016 19:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 11.1 | Level: (low/med) Low

Analysis Batch No.: 386262 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	0.37
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.97	U *	0.97	0.43
79-00-5	1,1,2-Trichloroethane	0.97	U	0.97	0.27
75-34-3	1,1-Dichloroethane	0.97	U	0.97	0.33
75-35-4	1,1-Dichloroethene	0.97	U	0.97	0.40
87-61-6	1,2,3-Trichlorobenzene	0.97	U	0.97	0.11
120-82-1	1,2,4-Trichlorobenzene	0.97	U	0.97	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	0.97	U	0.97	0.46
95-50-1	1,2-Dichlorobenzene	0.97	U	0.97	0.14
107-06-2	1,2-Dichloroethane	0.97	U	0.97	0.11
78-87-5	1,2-Dichloropropane	0.97	U	0.97	0.17
541-73-1	1,3-Dichlorobenzene	0.97	U	0.97	0.12
106-46-7	1,4-Dichlorobenzene	0.97	U	0.97	0.13
123-91-1	1,4-Dioxane	19	U	19	6.2
78-93-3	2-Butanone (MEK)	2.4	J	4.9	0.75
591-78-6	2-Hexanone	4.9	U	4.9	0.91
108-10-1	4-Methyl-2-pentanone (MIBK)	4.9	U	4.9	2.2
67-64-1	Acetone	43		4.9	1.0
75-05-8	Acetonitrile	9.7	U	9.7	4.0
107-02-8	Acrolein	97	U	97	15
71-43-2	Benzene	0.97	U	0.97	0.19
75-25-2	Bromoform	0.97	U	0.97	0.13
74-83-9	Bromomethane	0.97	U	0.97	0.31
75-15-0	Carbon disulfide	0.97	U	0.97	0.42
56-23-5	Carbon tetrachloride	0.97	U	0.97	0.42
108-90-7	Chlorobenzene	0.97	U	0.97	0.14
74-97-5	Chlorobromomethane	0.97	U	0.97	0.17
124-48-1	Chlorodibromomethane	0.97	U	0.97	0.15
75-00-3	Chloroethane	0.97	U	0.97	0.34
67-66-3	Chloroform	0.97	U	0.97	0.20
74-87-3	Chloromethane	0.97	U	0.97	0.37
156-59-2	cis-1,2-Dichloroethene	0.97	U	0.97	0.21
10061-01-5	cis-1,3-Dichloropropene	0.97	U	0.97	0.15
110-82-7	Cyclohexane	0.97	U	0.97	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (2-4) 08182016 | Lab Sample ID: 460-118857-1

Matrix: Solid | Lab File ID: D25209.D

Analysis Method: 8260C | Date Collected: 08/18/2016 08:30

Sample wt/vol: 5.796(g) | Date Analyzed: 08/23/2016 19:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 11.1 | Level: (low/med) Low

Analysis Batch No.: 386262 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.97	U	0.97	0.37
75-71-8	Dichlorodifluoromethane	0.97	U	0.97	0.31
100-41-4	Ethylbenzene	0.97	U	0.97	0.17
106-93-4	Ethylene Dibromide	0.97	U	0.97	0.12
98-82-8	Isopropylbenzene	0.97	U	0.97	0.17
79-20-9	Methyl acetate	4.9	U	4.9	0.87
1634-04-4	Methyl tert-butyl ether	0.97	U	0.97	0.17
108-87-2	Methylcyclohexane	0.97	U	0.97	0.49
75-09-2	Methylene Chloride	1.5		0.97	0.31
179601-23-1	m-Xylene & p-Xylene	0.29	J	0.97	0.11
95-47-6	o-Xylene	0.97	U	0.97	0.16
100-42-5	Styrene	0.97	U	0.97	0.15
75-65-0	TBA	9.7	U	9.7	3.4
127-18-4	Tetrachloroethene	0.97	U *	0.97	0.27
108-88-3	Toluene	0.61	J	0.97	0.18
156-60-5	trans-1,2-Dichloroethene	0.97	U	0.97	0.38
10061-02-6	trans-1,3-Dichloropropene	0.97	U	0.97	0.097
79-01-6	Trichloroethene	2.4		0.97	0.25
75-69-4	Trichlorofluoromethane	0.97	U	0.97	0.33
75-01-4	Vinyl chloride	0.97	U	0.97	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		78-135
460-00-4	4-Bromofluorobenzene	89		67-126
1868-53-7	Dibromofluoromethane (Surr)	59	*	61-149
2037-26-5	Toluene-d8 (Surr)	97		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25209.D
Lims ID: 460-118857-B-1-A
Client ID: SB-10 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 19:57:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-1-A
Misc. Info.: 460-0044756-023
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Aug-2016 10:51:46 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: baronm Date: 24-Aug-2016 10:51:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.161	0.012	85	41136	44.1	
26 Methylene Chloride	84	3.588	3.594	-0.006	96	4789	1.53	
* 27 TBA-d9 (IS)	65	3.618	3.606	0.012	43	224833	1000.0	
* 38 2-Butanone-d5	46	4.904	4.898	0.006	0	233418	250.0	
41 2-Butanone (MEK)	72	4.971	4.965	0.006	74	830	2.50	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.477	0.000	97	70457	29.5	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.898	0.006	97	125296	52.0	
* 61 Fluorobenzene	96	6.233	6.233	0.000	98	400039	50.0	
63 Trichloroethene	95	6.666	6.666	0.000	95	6827	2.48	
* 67 1,4-Dioxane-d8	96	7.069	7.063	0.006	0	17637	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	383618	48.5	
79 Toluene	91	8.050	8.050	0.000	93	6868	0.6288	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	290409	50.0	
93 m-Xylene & p-Xylene	106	9.471	9.471	-0.001	97	1325	0.2975	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	92	131492	44.7	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	169512	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

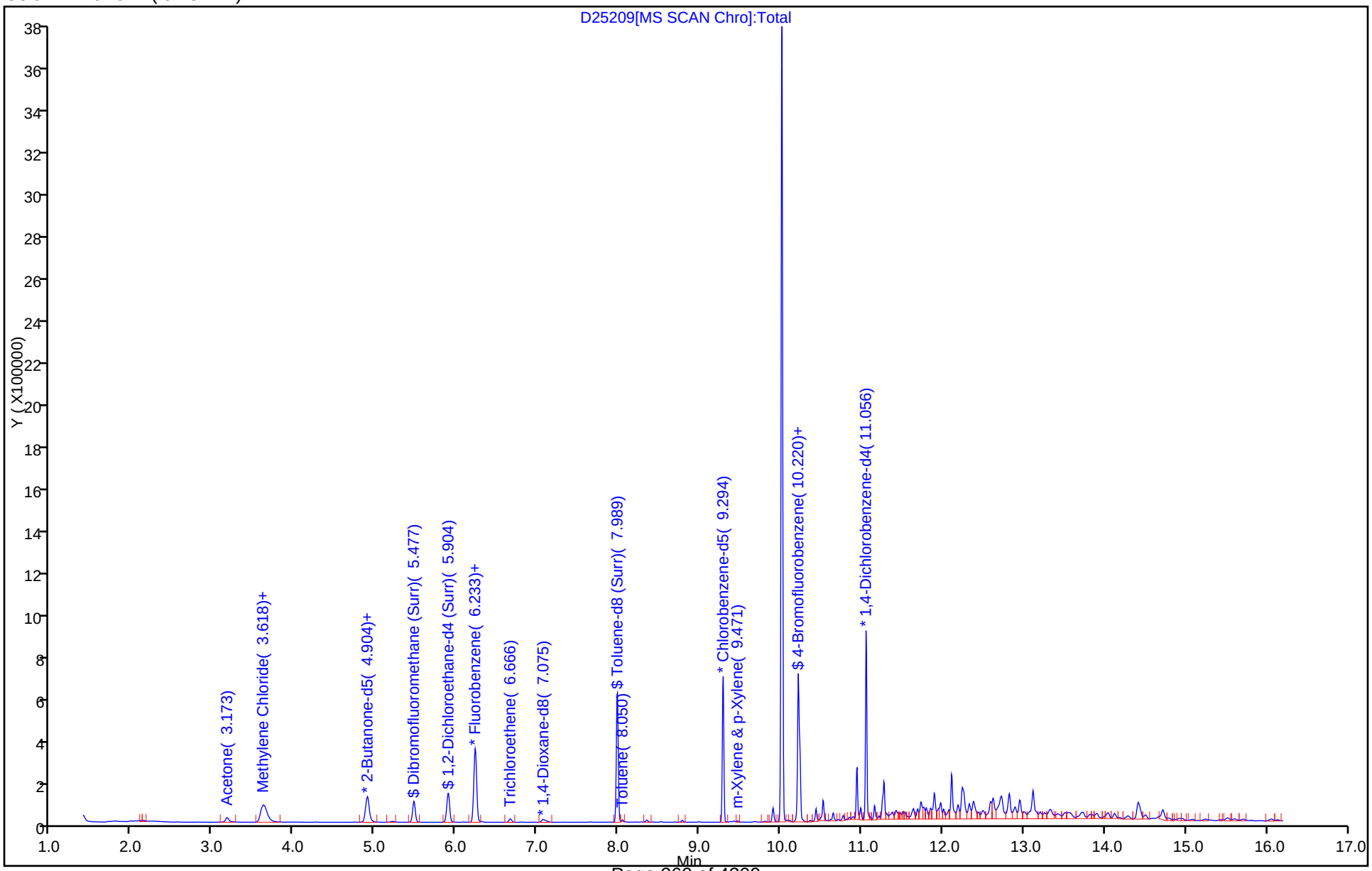
Report Date: 24-Aug-2016 10:52:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25209.D

Injection Date:	23-Aug-2016 19:57:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-1-A	Lab Sample ID:	460-118857-1	Worklist Smp#:	23
Client ID:	SB-10 (2-4) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



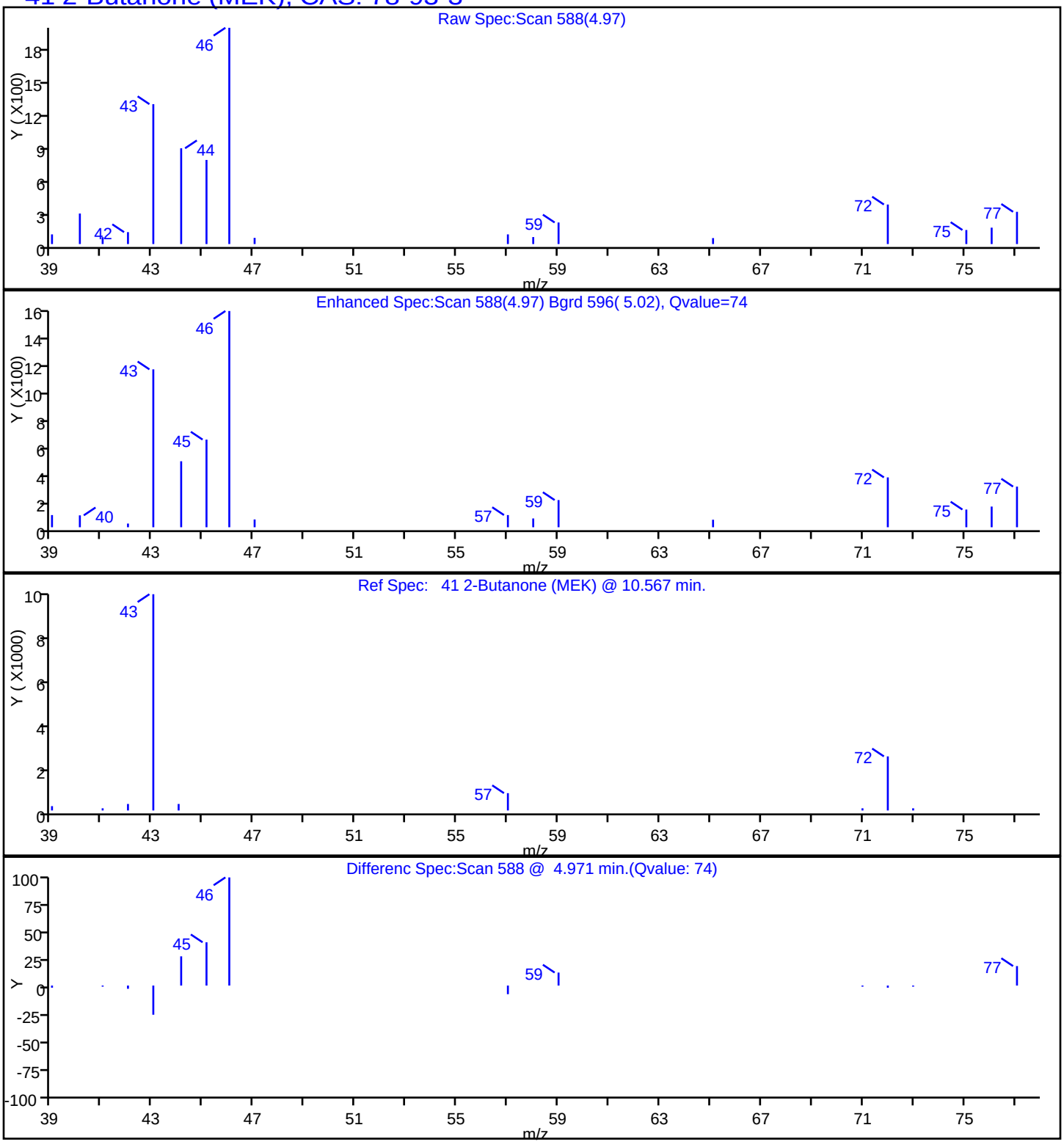
Report Date: 24-Aug-2016 10:52:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25209.D

Injection Date:	23-Aug-2016 19:57:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



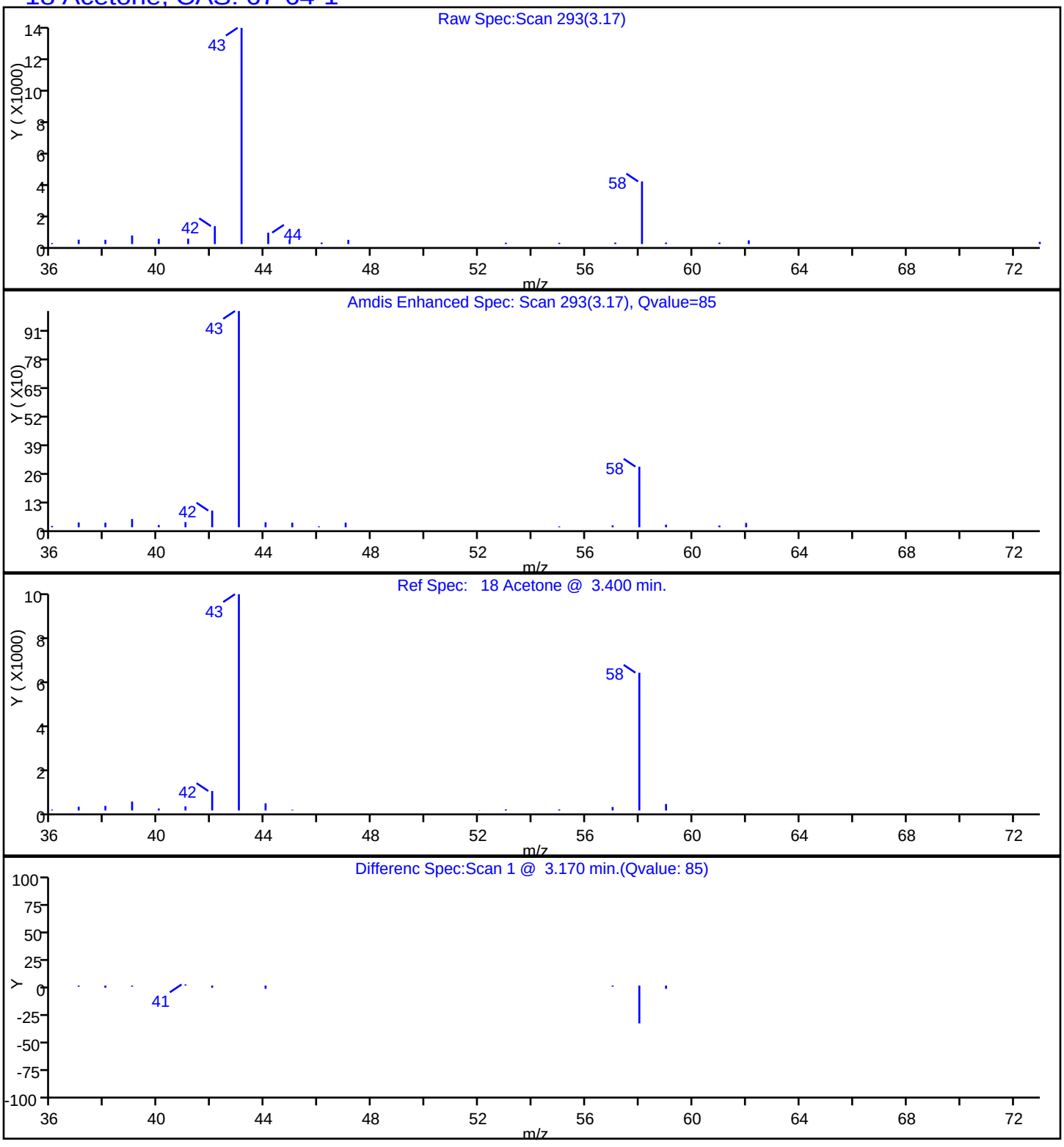
Report Date: 24-Aug-2016 10:52:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25209.D

Injection Date:	23-Aug-2016 19:57:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



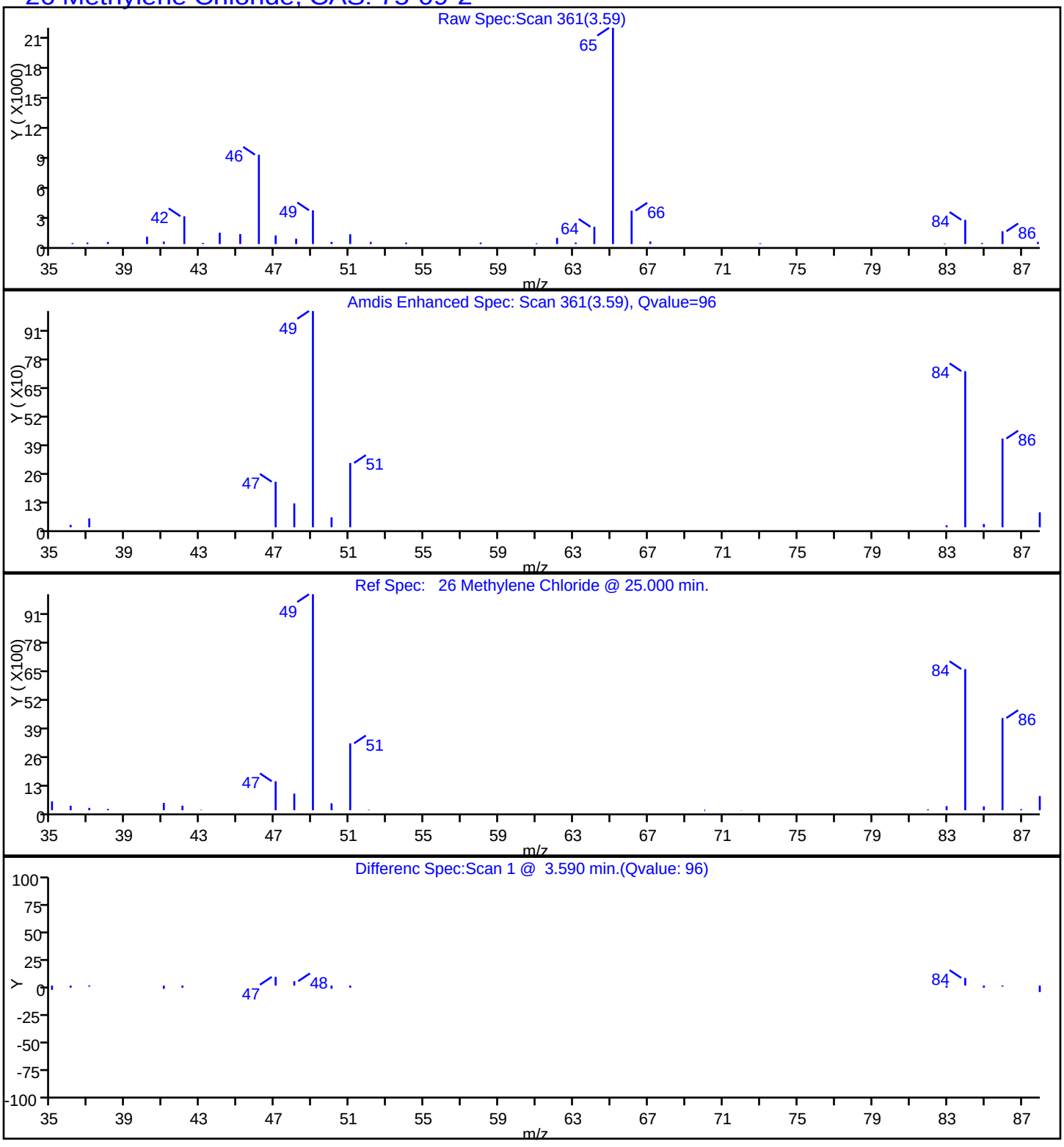
Report Date: 24-Aug-2016 10:52:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25209.D

Injection Date:	23-Aug-2016 19:57:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-1-A	Lab Sample ID:	460-118857-1
Client ID:	SB-10 (2-4) 08182016		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



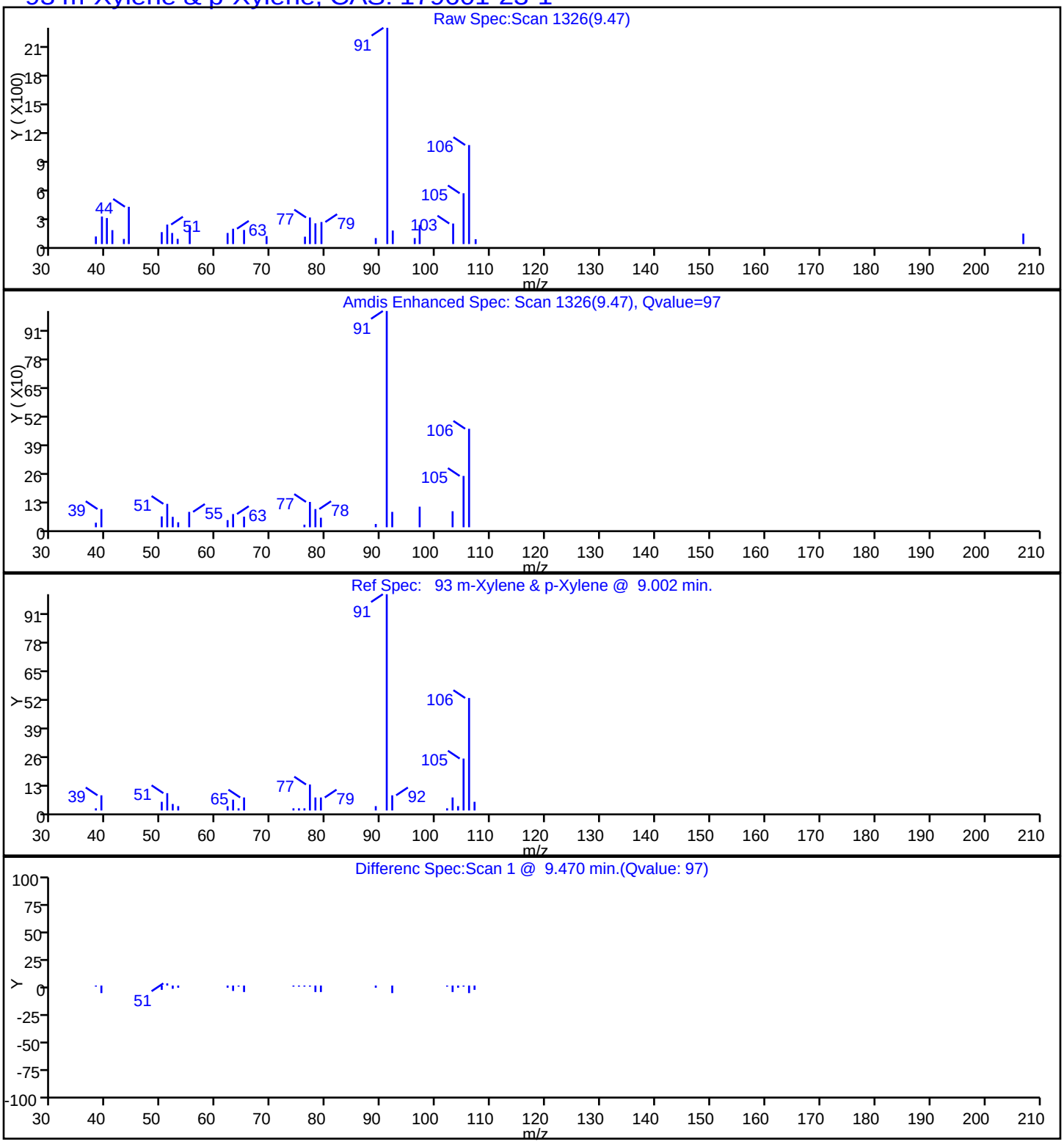
Report Date: 24-Aug-2016 10:52:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25209.D

Injection Date:	23-Aug-2016 19:57:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

93 m-Xylene & p-Xylene, CAS: 179601-23-1



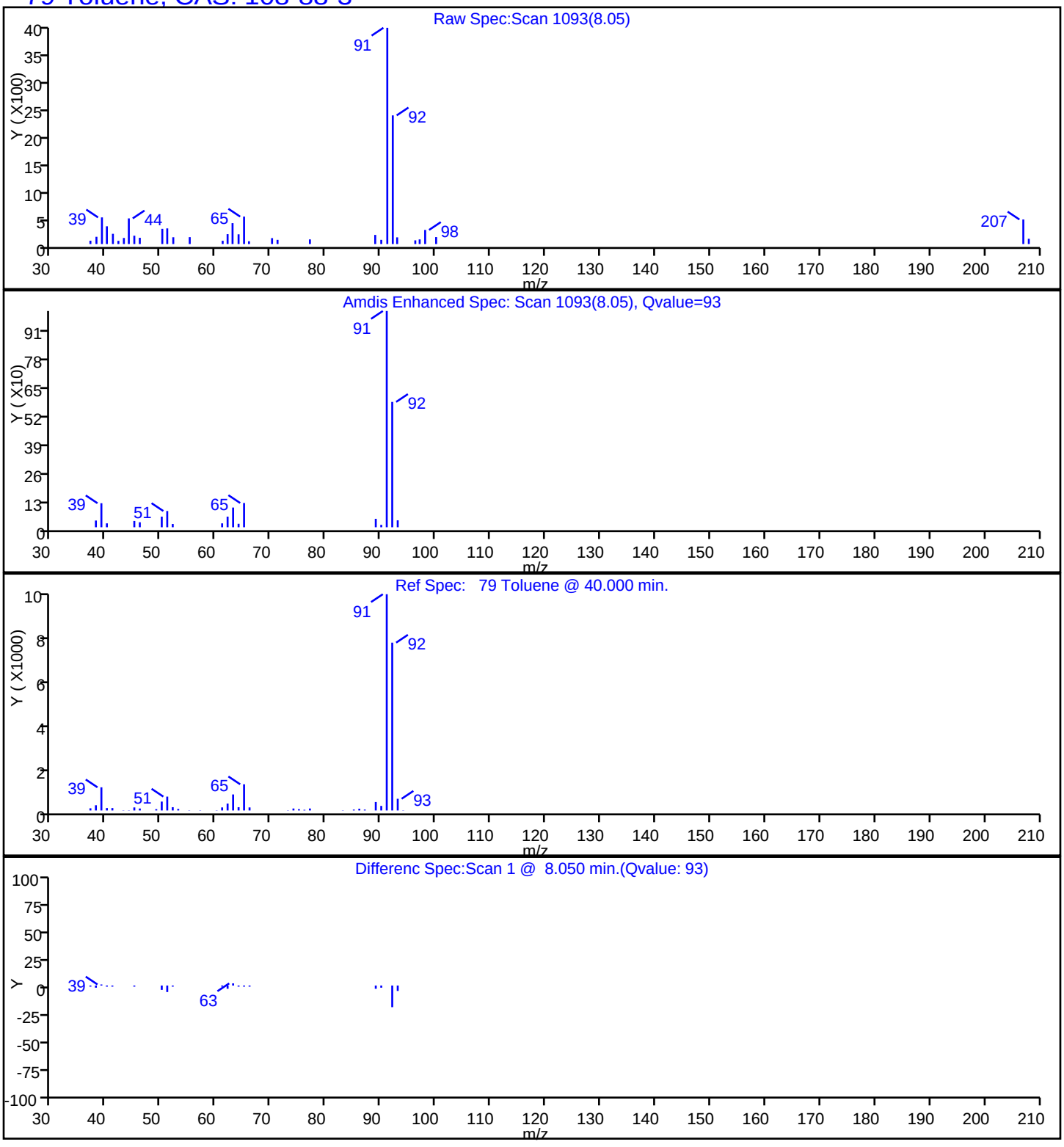
Report Date: 24-Aug-2016 10:52:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25209.D

Injection Date:	23-Aug-2016 19:57:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

79 Toluene, CAS: 108-88-3



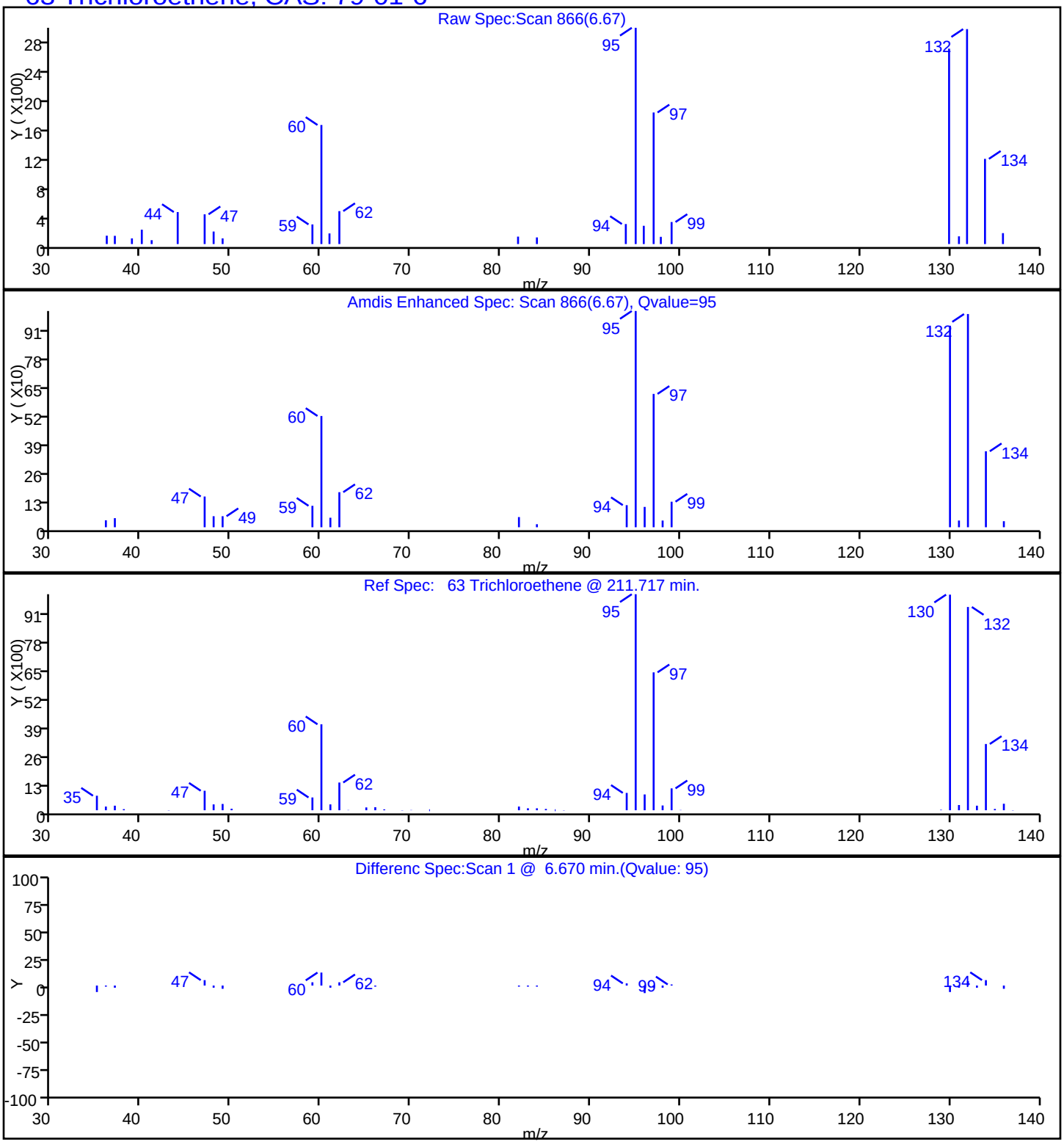
Report Date: 24-Aug-2016 10:52:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25209.D

Injection Date:	23-Aug-2016 19:57:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-1-A	Lab Sample ID:	460-118857-1
Client ID:	SB-10 (2-4) 08182016		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (13-15) 08182016 | Lab Sample ID: 460-118857-2

Matrix: Solid | Lab File ID: D25171.D

Analysis Method: 8260C | Date Collected: 08/18/2016 08:56

Sample wt/vol: 5.853(g) | Date Analyzed: 08/22/2016 14:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 2.7 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	0.33
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	U *	0.88	0.39
79-00-5	1,1,2-Trichloroethane	0.88	U	0.88	0.25
75-34-3	1,1-Dichloroethane	0.88	U	0.88	0.30
75-35-4	1,1-Dichloroethene	0.88	U	0.88	0.36
87-61-6	1,2,3-Trichlorobenzene	0.88	U	0.88	0.097
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	0.88	U	0.88	0.41
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	0.12
107-06-2	1,2-Dichloroethane	0.88	U	0.88	0.097
78-87-5	1,2-Dichloropropane	0.88	U	0.88	0.15
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	0.11
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	0.11
123-91-1	1,4-Dioxane	18	U	18	5.6
78-93-3	2-Butanone (MEK)	4.4	U	4.4	0.68
591-78-6	2-Hexanone	4.4	U	4.4	0.82
108-10-1	4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	1.9
67-64-1	Acetone	16		4.4	0.93
75-05-8	Acetonitrile	8.8	U	8.8	3.6
107-02-8	Acrolein	88	U	88	14
71-43-2	Benzene	0.88	U	0.88	0.18
75-25-2	Bromoform	0.88	U	0.88	0.11
74-83-9	Bromomethane	0.88	U	0.88	0.28
75-15-0	Carbon disulfide	0.88	U	0.88	0.38
56-23-5	Carbon tetrachloride	0.88	U	0.88	0.38
108-90-7	Chlorobenzene	0.88	U	0.88	0.12
74-97-5	Chlorobromomethane	0.88	U	0.88	0.15
124-48-1	Chlorodibromomethane	0.88	U	0.88	0.13
75-00-3	Chloroethane	0.88	U	0.88	0.31
67-66-3	Chloroform	0.88	U	0.88	0.18
74-87-3	Chloromethane	0.88	U	0.88	0.33
156-59-2	cis-1,2-Dichloroethene	0.88	U	0.88	0.19
10061-01-5	cis-1,3-Dichloropropene	0.88	U	0.88	0.13
110-82-7	Cyclohexane	0.88	U	0.88	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (13-15) 08182016 | Lab Sample ID: 460-118857-2

Matrix: Solid | Lab File ID: D25171.D

Analysis Method: 8260C | Date Collected: 08/18/2016 08:56

Sample wt/vol: 5.853(g) | Date Analyzed: 08/22/2016 14:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 2.7 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.88	U	0.88	0.33
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	0.28
100-41-4	Ethylbenzene	0.88	U	0.88	0.16
106-93-4	Ethylene Dibromide	0.88	U	0.88	0.11
98-82-8	Isopropylbenzene	0.88	U	0.88	0.15
79-20-9	Methyl acetate	4.4	U	4.4	0.79
1634-04-4	Methyl tert-butyl ether	0.88	U	0.88	0.15
108-87-2	Methylcyclohexane	0.88	U	0.88	0.44
75-09-2	Methylene Chloride	1.5		0.88	0.28
179601-23-1	m-Xylene & p-Xylene	0.88	U	0.88	0.097
95-47-6	o-Xylene	0.88	U	0.88	0.14
100-42-5	Styrene	0.88	U	0.88	0.13
75-65-0	TBA	8.8	U	8.8	3.1
127-18-4	Tetrachloroethene	0.88	U	0.88	0.25
108-88-3	Toluene	0.88	U	0.88	0.17
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	0.34
10061-02-6	trans-1,3-Dichloropropene	0.88	U	0.88	0.088
79-01-6	Trichloroethene	0.24	J	0.88	0.23
75-69-4	Trichlorofluoromethane	0.88	U	0.88	0.30
75-01-4	Vinyl chloride	0.88	U	0.88	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		78-135
460-00-4	4-Bromofluorobenzene	77		67-126
1868-53-7	Dibromofluoromethane (Surr)	86		61-149
2037-26-5	Toluene-d8 (Surr)	89		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25171.D
Lims ID: 460-118857-B-2-A
Client ID: SB-10 (13-15) 08182016
Sample Type: Client
Inject. Date: 22-Aug-2016 14:39:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-2-A
Misc. Info.: 460-0044710-012
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:36:27 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: desais Date: 23-Aug-2016 12:08:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.173	0.000	86	23476	17.7	
26 Methylene Chloride	84	3.600	3.600	0.000	97	6753	1.70	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	40	285461	1000.0	
* 38 2-Butanone-d5	46	4.904	4.904	0.000	0	288200	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.484	-0.007	97	130581	43.2	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	140055	46.0	
* 61 Fluorobenzene	96	6.240	6.240	0.000	98	505874	50.0	
63 Trichloroethene	95	6.666	6.666	0.000	88	969	0.2788	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	23930	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.989	0.000	98	453652	44.6	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	373089	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	90	139931	38.4	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	210152	50.0	

Reagents:

8260ISNEW_00078	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added: 1.00	Units: uL	Run Reagent

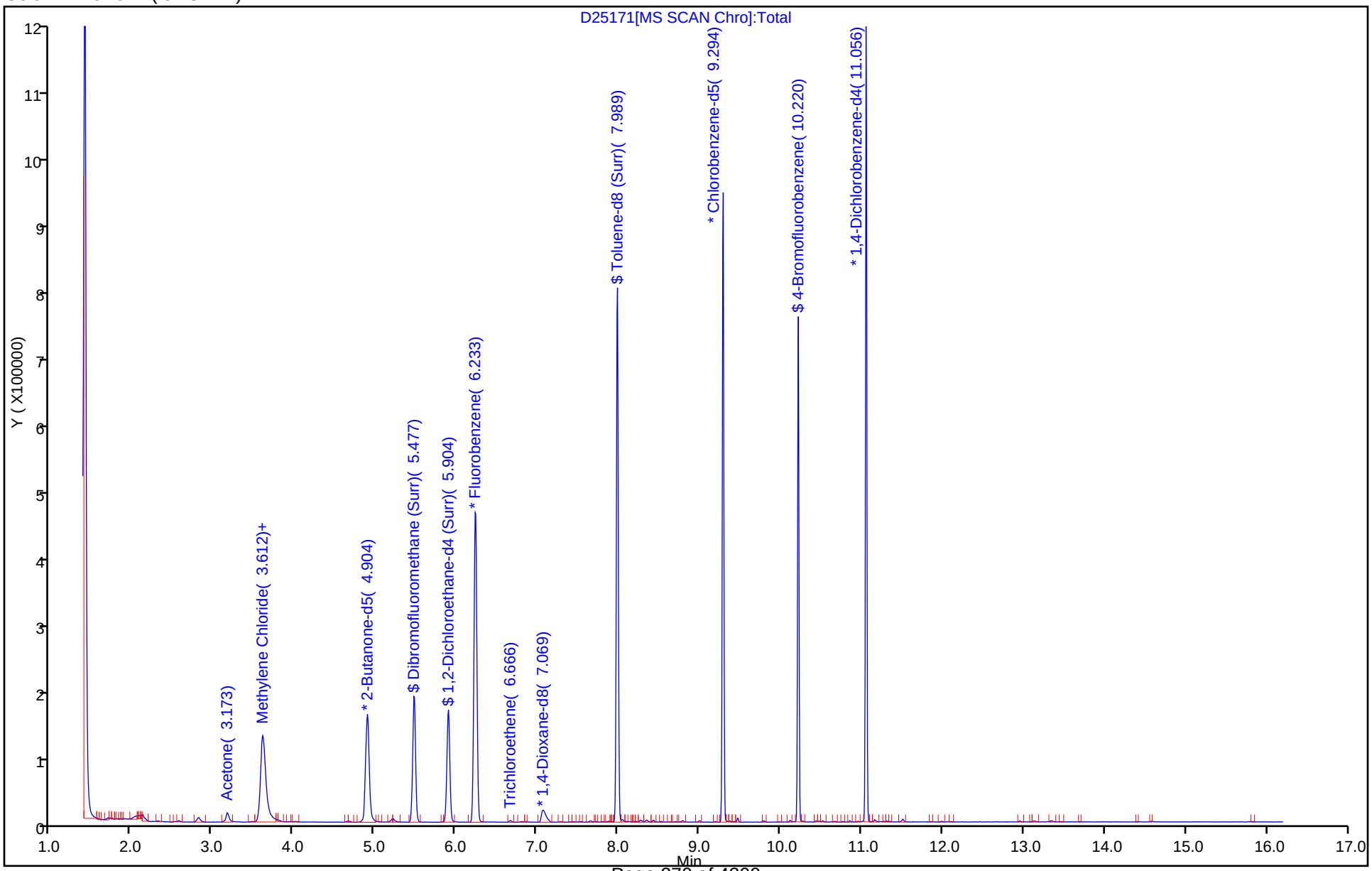
Report Date: 23-Aug-2016 19:36:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25171.D

Injection Date:	22-Aug-2016 14:39:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-2-A	Lab Sample ID:	460-118857-2	Worklist Smp#:	12
Client ID:	SB-10 (13-15) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



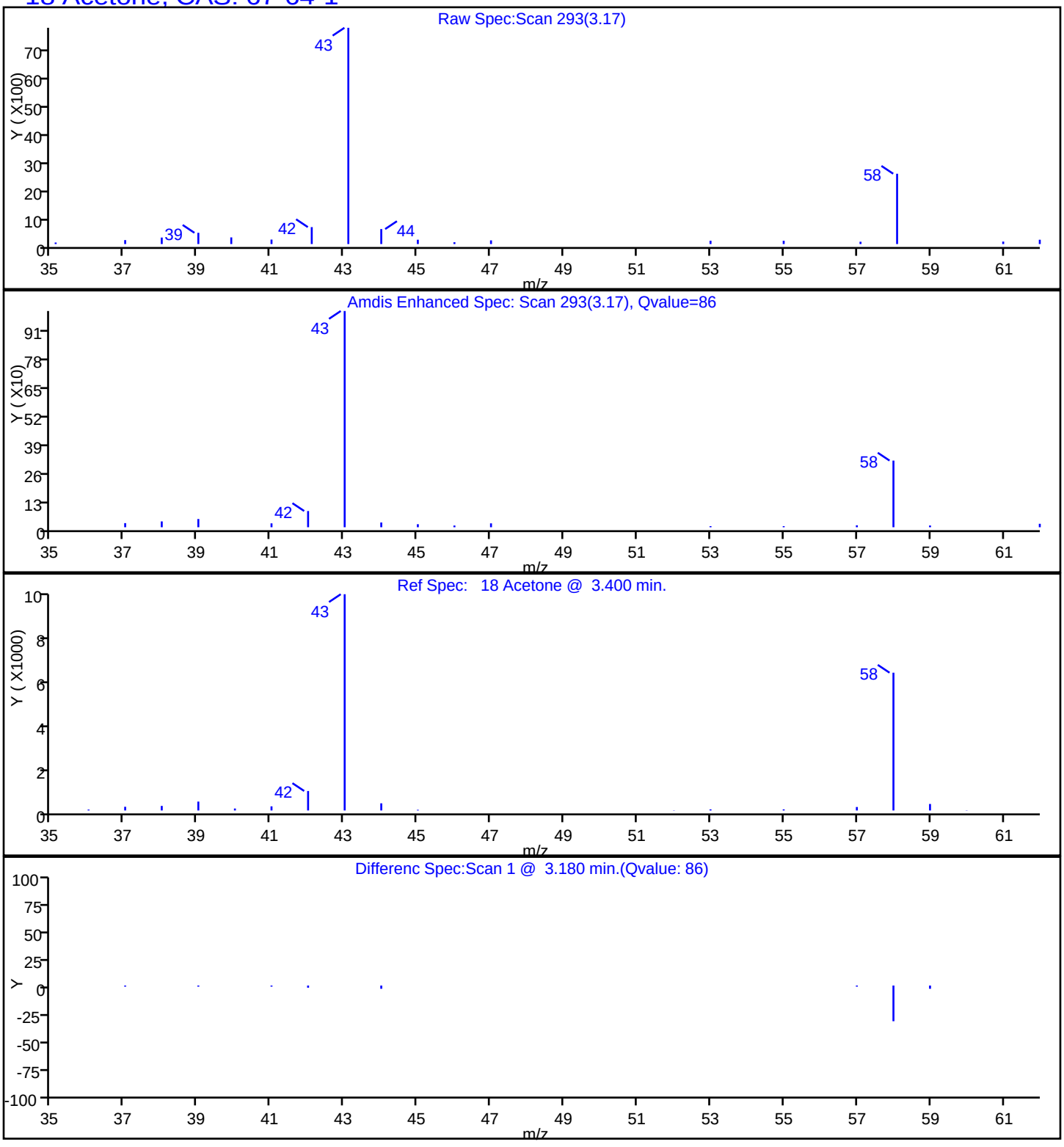
Report Date: 23-Aug-2016 19:36:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25171.D

Injection Date:	22-Aug-2016 14:39:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-2-A	Lab Sample ID:	460-118857-2
Client ID:	SB-10 (13-15) 08182016		
Operator ID:		ALS Bottle#:	11 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



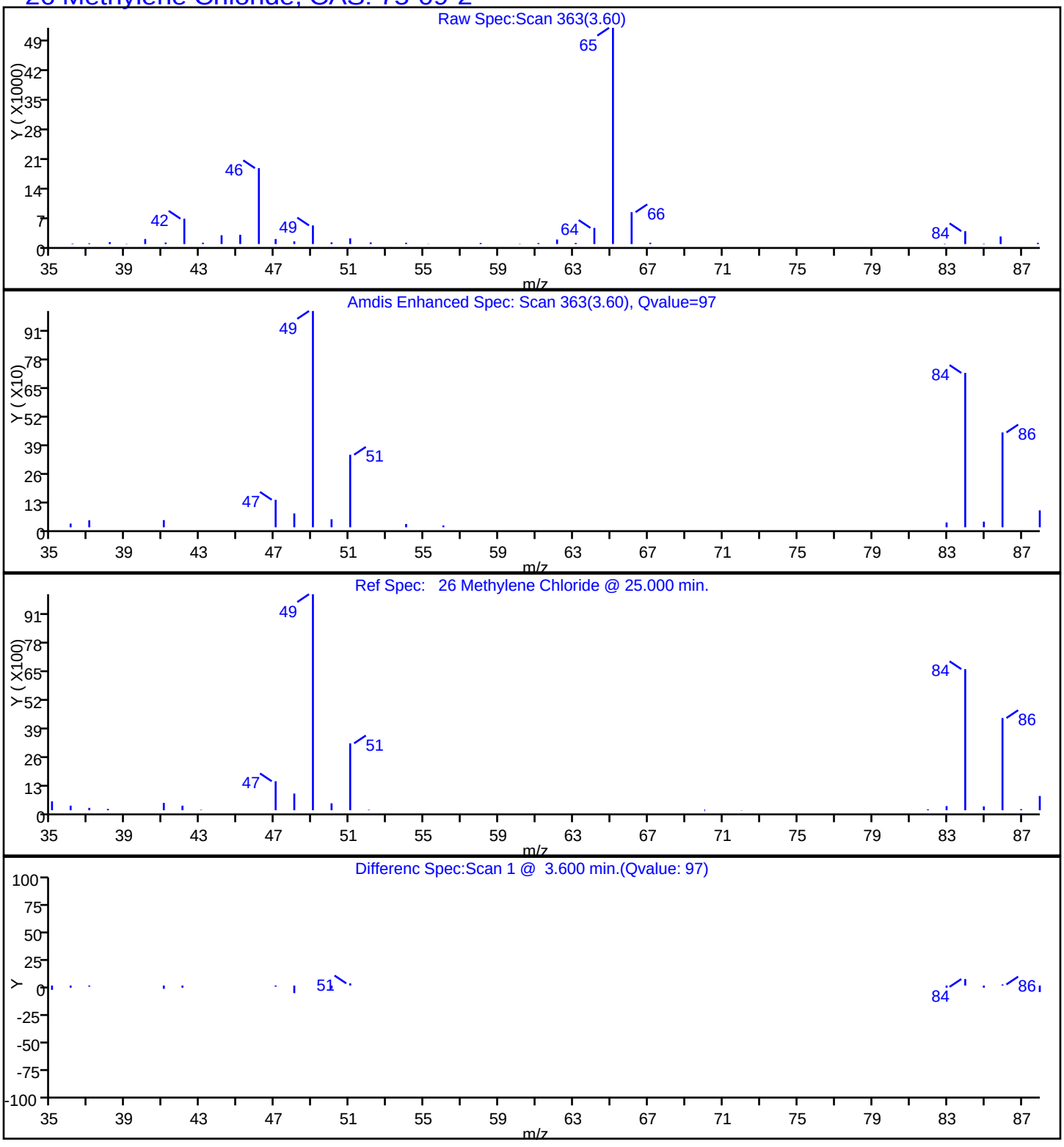
Report Date: 23-Aug-2016 19:36:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25171.D

Injection Date:	22-Aug-2016 14:39:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-2-A	Lab Sample ID:	460-118857-2
Client ID:	SB-10 (13-15) 08182016		
Operator ID:		ALS Bottle#:	11 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



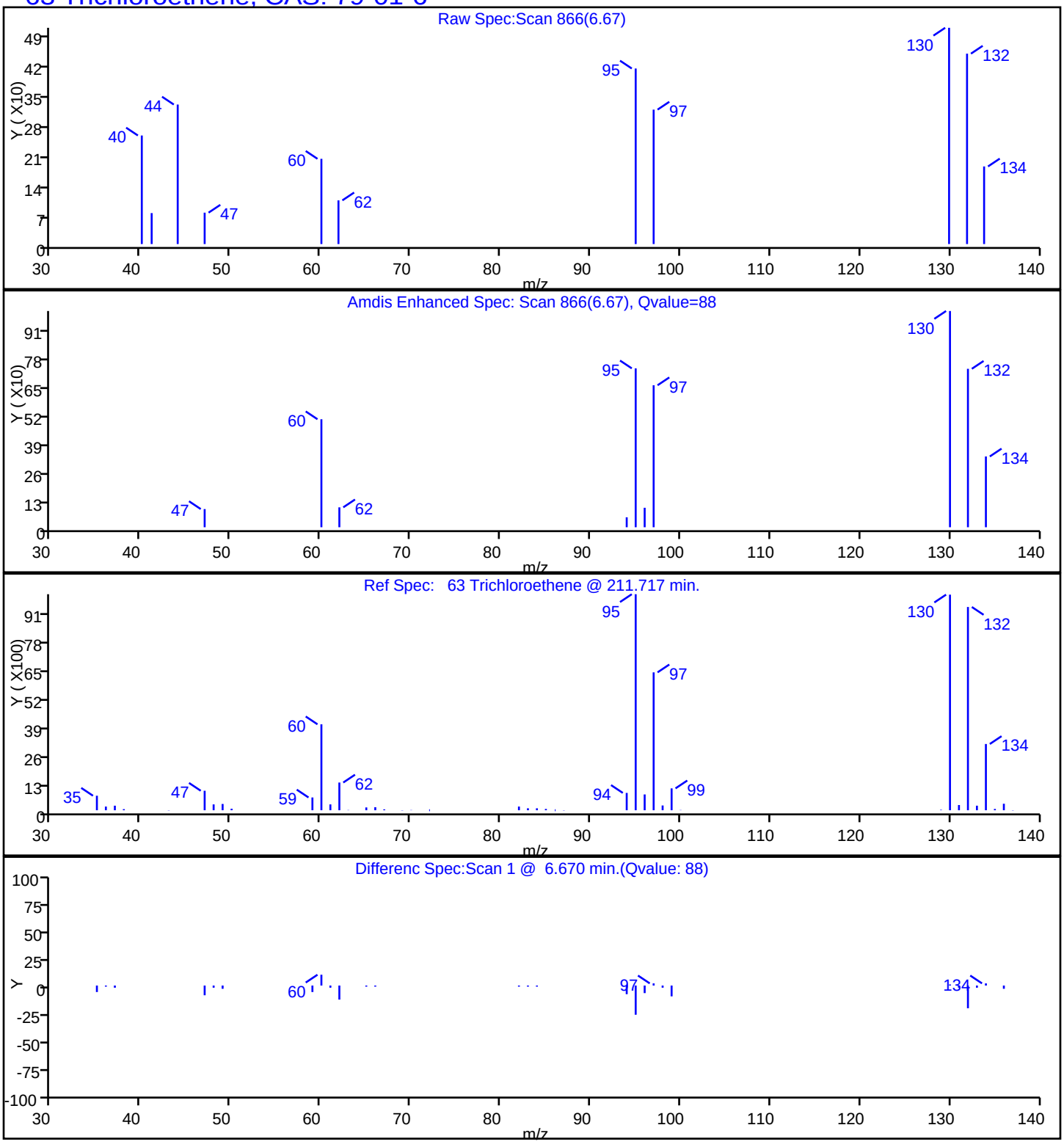
Report Date: 23-Aug-2016 19:36:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25171.D

Injection Date:	22-Aug-2016 14:39:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-2-A	Lab Sample ID:	460-118857-2
Client ID:	SB-10 (13-15) 08182016		
Operator ID:		ALS Bottle#:	11 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (2-4) 08182016 | Lab Sample ID: 460-118857-3

Matrix: Solid | Lab File ID: D25148.D

Analysis Method: 8260C | Date Collected: 08/18/2016 09:31

Sample wt/vol: 5.513(g) | Date Analyzed: 08/21/2016 12:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 13.9 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	0.46
79-00-5	1,1,2-Trichloroethane	1.1	U	1.1	0.29
75-34-3	1,1-Dichloroethane	1.1	U	1.1	0.36
75-35-4	1,1-Dichloroethene	1.1	U	1.1	0.43
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	0.12
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	1.1	U	1.1	0.49
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	0.15
107-06-2	1,2-Dichloroethane	1.1	U	1.1	0.12
78-87-5	1,2-Dichloropropane	1.1	U	1.1	0.18
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	0.13
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	0.14
123-91-1	1,4-Dioxane	21	U	21	6.7
78-93-3	2-Butanone (MEK)	1.4	J	5.3	0.81
591-78-6	2-Hexanone	5.3	U	5.3	0.99
108-10-1	4-Methyl-2-pentanone (MIBK)	5.3	U	5.3	2.3
67-64-1	Acetone	5.3	U	5.3	1.1
75-05-8	Acetonitrile	11	U	11	4.3
107-02-8	Acrolein	110	U	110	16
71-43-2	Benzene	1.1	U	1.1	0.21
75-25-2	Bromoform	1.1	U	1.1	0.14
74-83-9	Bromomethane	1.1	U	1.1	0.34
75-15-0	Carbon disulfide	1.1	U	1.1	0.45
56-23-5	Carbon tetrachloride	1.1	U	1.1	0.45
108-90-7	Chlorobenzene	1.1	U	1.1	0.15
74-97-5	Chlorobromomethane	1.1	U	1.1	0.18
124-48-1	Chlorodibromomethane	1.1	U	1.1	0.16
75-00-3	Chloroethane	1.1	U	1.1	0.37
67-66-3	Chloroform	1.1	U	1.1	0.22
74-87-3	Chloromethane	1.1	U	1.1	0.40
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	0.23
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	0.16
110-82-7	Cyclohexane	1.1	U	1.1	0.48

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (2-4) 08182016 | Lab Sample ID: 460-118857-3

Matrix: Solid | Lab File ID: D25148.D

Analysis Method: 8260C | Date Collected: 08/18/2016 09:31

Sample wt/vol: 5.513(g) | Date Analyzed: 08/21/2016 12:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 13.9 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.1	U	1.1	0.40
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	0.34
100-41-4	Ethylbenzene	1.1	U	1.1	0.19
106-93-4	Ethylene Dibromide	1.1	U	1.1	0.13
98-82-8	Isopropylbenzene	1.1	U	1.1	0.18
79-20-9	Methyl acetate	5.3	U	5.3	0.95
1634-04-4	Methyl tert-butyl ether	1.1	U	1.1	0.18
108-87-2	Methylcyclohexane	1.1	U	1.1	0.53
75-09-2	Methylene Chloride	1.5		1.1	0.34
179601-23-1	m-Xylene & p-Xylene	1.1	U	1.1	0.12
95-47-6	o-Xylene	1.1	U	1.1	0.17
100-42-5	Styrene	1.1	U	1.1	0.16
75-65-0	TBA	11	U	11	3.7
127-18-4	Tetrachloroethene	2.0		1.1	0.29
108-88-3	Toluene	1.1	U	1.1	0.20
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	0.41
10061-02-6	trans-1,3-Dichloropropene	1.1	U	1.1	0.11
79-01-6	Trichloroethene	1.1	U	1.1	0.27
75-69-4	Trichlorofluoromethane	1.1	U	1.1	0.36
75-01-4	Vinyl chloride	1.1	U	1.1	0.41

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		78-135
460-00-4	4-Bromofluorobenzene	91		67-126
1868-53-7	Dibromofluoromethane (Surr)	95		61-149
2037-26-5	Toluene-d8 (Surr)	100		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25148.D				
Lims ID:	460-118857-B-3-A				
Client ID:	SB-9 (2-4) 08182016				
Sample Type:	Client				
Inject. Date:	21-Aug-2016 12:07:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-118857-B-3-A				
Misc. Info.:	460-0044684-015				
Operator ID:		Instrument ID:	CVOAMS4		
Method:	\\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	23-Aug-2016 19:30:31	Calib Date:	18-Aug-2016 06:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK018				
First Level Reviewer: delpolitov		Date:	23-Aug-2016 19:13:38		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
26 Methylene Chloride	84	3.594	3.594	0.000	96	5029	1.39	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	39	304896	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	326016	250.0	
41 2-Butanone (MEK)	72	4.971	4.972	-0.001	50	610	1.32	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.478	-0.001	96	130565	47.4	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	155584	56.0	
* 61 Fluorobenzene	96	6.233	6.234	-0.001	98	461298	50.0	
* 67 1,4-Dioxane-d8	96	7.075	7.063	0.012	0	19233	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	453555	49.9	
83 Tetrachloroethene	166	8.532	8.532	0.000	96	6832	1.92	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	333395	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	89	136311	45.7	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	172104	50.0	

Reagents:

8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

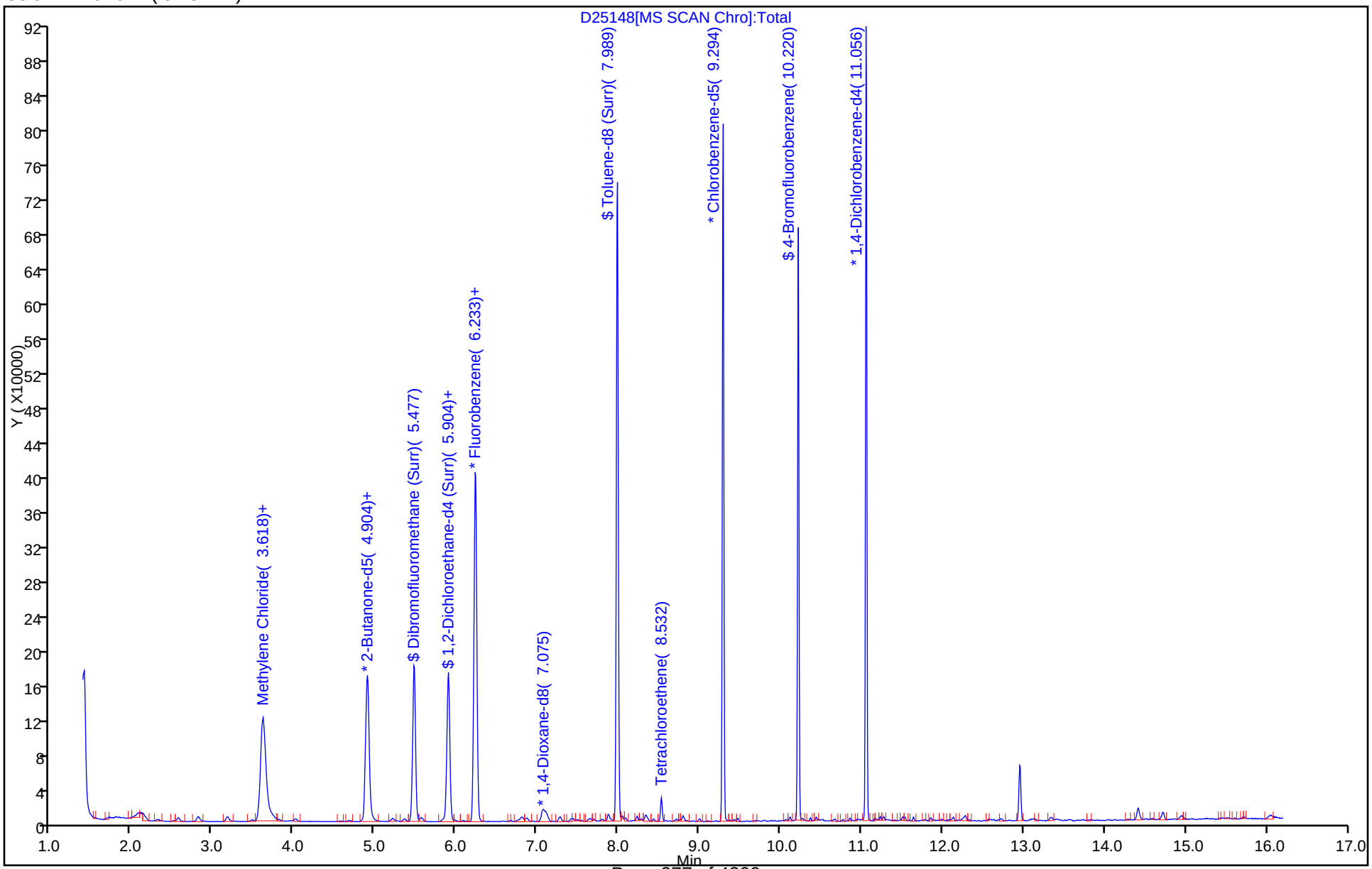
Report Date: 23-Aug-2016 19:30:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25148.D

Injection Date:	21-Aug-2016 12:07:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-3-A	Lab Sample ID:	460-118857-3	Worklist Smp#:	15
Client ID:	SB-9 (2-4) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)

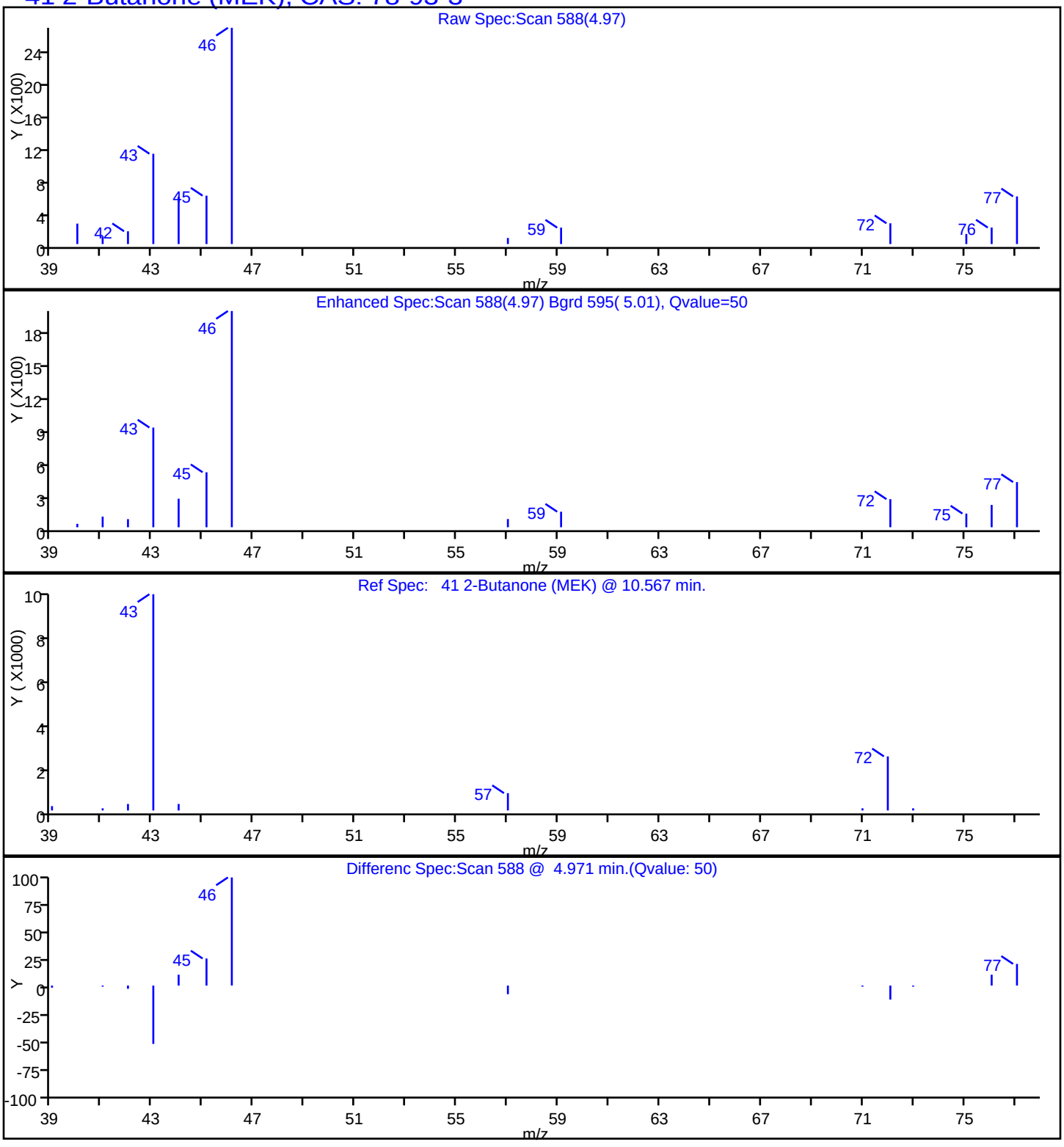


Report Date: 23-Aug-2016 19:30:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25148.D				
Injection Date:	21-Aug-2016 12:07:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



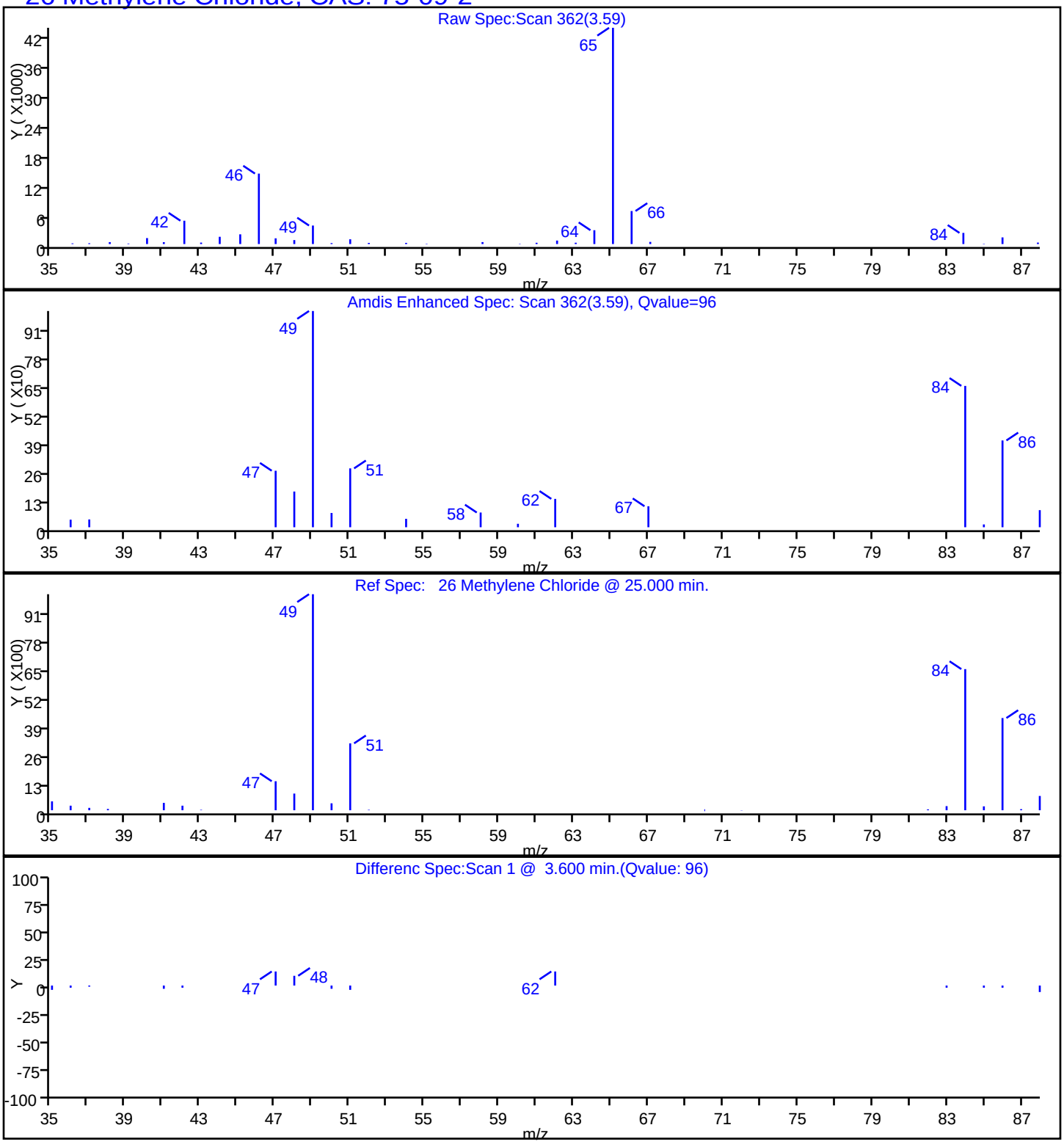
Report Date: 23-Aug-2016 19:30:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25148.D

Injection Date:	21-Aug-2016 12:07:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-3-A	Lab Sample ID:	460-118857-3
Client ID:	SB-9 (2-4) 08182016		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



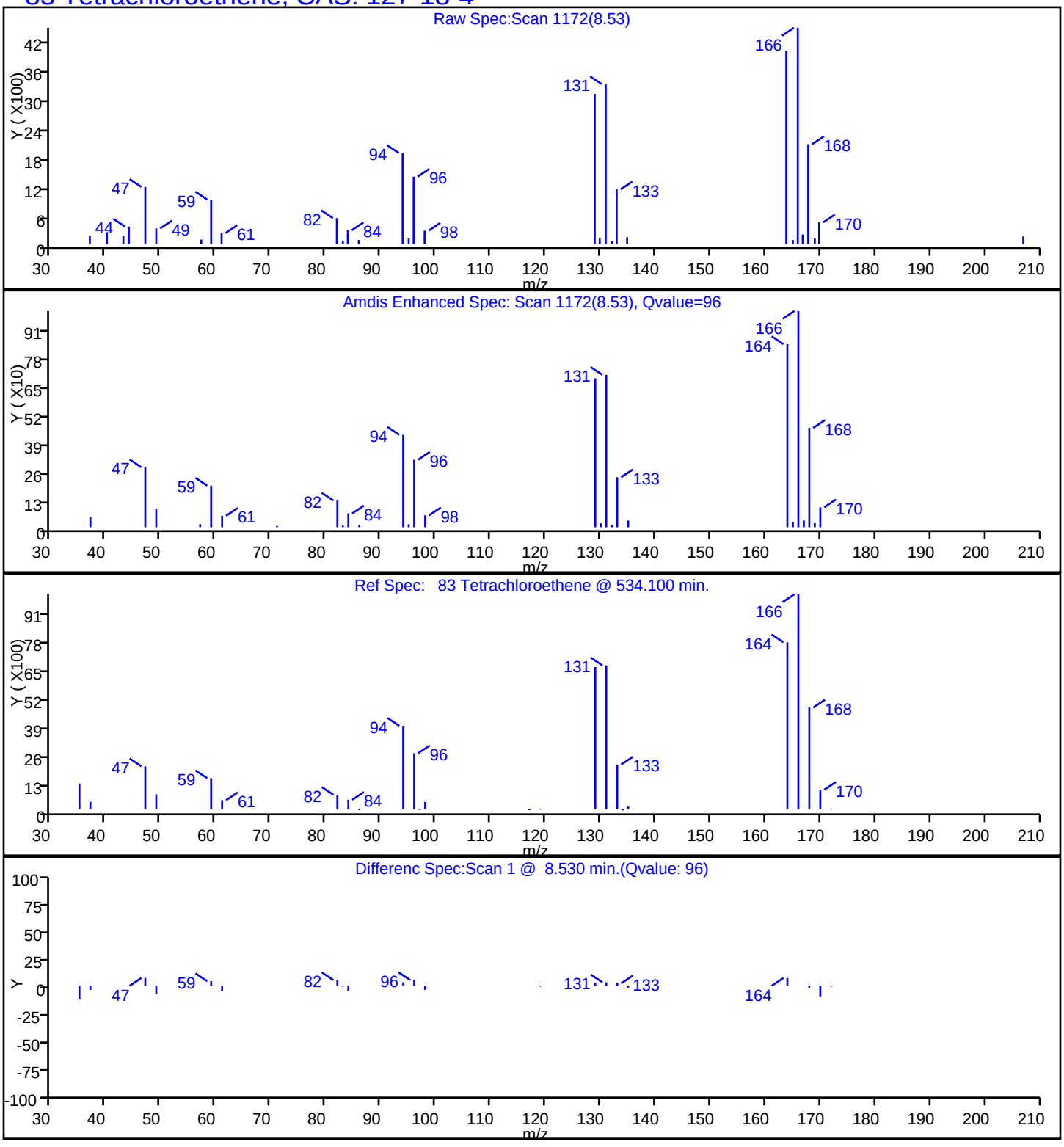
Report Date: 23-Aug-2016 19:30:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25148.D

Injection Date:	21-Aug-2016 12:07:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-3-A	Lab Sample ID:	460-118857-3
Client ID:	SB-9 (2-4) 08182016		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

83 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (12-14) 08182016 | Lab Sample ID: 460-118857-4

Matrix: Solid | Lab File ID: D25149.D

Analysis Method: 8260C | Date Collected: 08/18/2016 09:43

Sample wt/vol: 5.616(g) | Date Analyzed: 08/21/2016 12:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 4.0 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	0.35
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.93	0.16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.93	U	0.93	0.41
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	0.26
75-34-3	1,1-Dichloroethane	0.93	U	0.93	0.32
75-35-4	1,1-Dichloroethene	0.93	U	0.93	0.38
87-61-6	1,2,3-Trichlorobenzene	0.93	U	0.93	0.10
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	0.93	U	0.93	0.44
95-50-1	1,2-Dichlorobenzene	0.93	U	0.93	0.13
107-06-2	1,2-Dichloroethane	0.93	U	0.93	0.10
78-87-5	1,2-Dichloropropane	0.93	U	0.93	0.16
541-73-1	1,3-Dichlorobenzene	0.93	U	0.93	0.11
106-46-7	1,4-Dichlorobenzene	0.93	U	0.93	0.12
123-91-1	1,4-Dioxane	19	U	19	5.9
78-93-3	2-Butanone (MEK)	1.7	J	4.6	0.71
591-78-6	2-Hexanone	4.6	U	4.6	0.87
108-10-1	4-Methyl-2-pentanone (MIBK)	4.6	U	4.6	2.1
67-64-1	Acetone	34		4.6	0.98
75-05-8	Acetonitrile	9.3	U	9.3	3.8
107-02-8	Acrolein	93	U	93	14
71-43-2	Benzene	0.93	U	0.93	0.19
75-25-2	Bromoform	0.93	U	0.93	0.12
74-83-9	Bromomethane	0.93	U	0.93	0.30
75-15-0	Carbon disulfide	0.93	U	0.93	0.40
56-23-5	Carbon tetrachloride	0.93	U	0.93	0.40
108-90-7	Chlorobenzene	0.93	U	0.93	0.13
74-97-5	Chlorobromomethane	0.93	U	0.93	0.16
124-48-1	Chlorodibromomethane	0.93	U	0.93	0.14
75-00-3	Chloroethane	0.93	U	0.93	0.32
67-66-3	Chloroform	0.93	U	0.93	0.19
74-87-3	Chloromethane	0.93	U	0.93	0.35
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	0.20
10061-01-5	cis-1,3-Dichloropropene	0.93	U	0.93	0.14
110-82-7	Cyclohexane	0.93	U	0.93	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (12-14) 08182016 | Lab Sample ID: 460-118857-4

Matrix: Solid | Lab File ID: D25149.D

Analysis Method: 8260C | Date Collected: 08/18/2016 09:43

Sample wt/vol: 5.616(g) | Date Analyzed: 08/21/2016 12:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 4.0 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.93	U	0.93	0.35
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	0.30
100-41-4	Ethylbenzene	0.93	U	0.93	0.17
106-93-4	Ethylene Dibromide	0.93	U	0.93	0.11
98-82-8	Isopropylbenzene	0.93	U	0.93	0.16
79-20-9	Methyl acetate	4.6	U	4.6	0.83
1634-04-4	Methyl tert-butyl ether	0.93	U	0.93	0.16
108-87-2	Methylcyclohexane	0.93	U	0.93	0.46
75-09-2	Methylene Chloride	2.0		0.93	0.30
179601-23-1	m-Xylene & p-Xylene	0.93	U	0.93	0.10
95-47-6	o-Xylene	0.93	U	0.93	0.15
100-42-5	Styrene	0.93	U	0.93	0.14
75-65-0	TBA	9.3	U	9.3	3.2
127-18-4	Tetrachloroethene	0.93	U	0.93	0.26
108-88-3	Toluene	0.93	U	0.93	0.18
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	0.36
10061-02-6	trans-1,3-Dichloropropene	0.93	U	0.93	0.093
79-01-6	Trichloroethene	0.37	J	0.93	0.24
75-69-4	Trichlorofluoromethane	0.93	U	0.93	0.32
75-01-4	Vinyl chloride	0.93	U	0.93	0.36

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		78-135
460-00-4	4-Bromofluorobenzene	87		67-126
1868-53-7	Dibromofluoromethane (Surr)	97		61-149
2037-26-5	Toluene-d8 (Surr)	103		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25149.D
Lims ID: 460-118857-B-4-A
Client ID: SB-9 (12-14) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 12:31:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-4-A
Misc. Info.: 460-0044684-016
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:39:56 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: martineze Date: 22-Aug-2016 11:11:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.173	0.000	86	41588	36.8	
26 Methylene Chloride	84	3.600	3.594	0.006	96	7502	2.11	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	40	267873	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	277037	250.0	
41 2-Butanone (MEK)	72	4.984	4.972	0.012	59	713	1.81	
$ 51 Dibromofluoromethane (Surr	113	5.484	5.478	0.006	96	131300	48.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	147140	54.0	
* 61 Fluorobenzene	96	6.240	6.234	0.006	98	452482	50.0	
63 Trichloroethene	95	6.672	6.666	0.006	94	1243	0.3998	
* 67 1,4-Dioxane-d8	96	7.075	7.063	0.012	0	18019	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	468933	51.3	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	335258	50.0	
$ 100 4-Bromofluorobenzene	174	10.221	10.221	0.000	89	143256	43.5	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	189713	50.0	

Reagents:

8260ISNEW_00078	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added: 1.00	Units: uL	Run Reagent

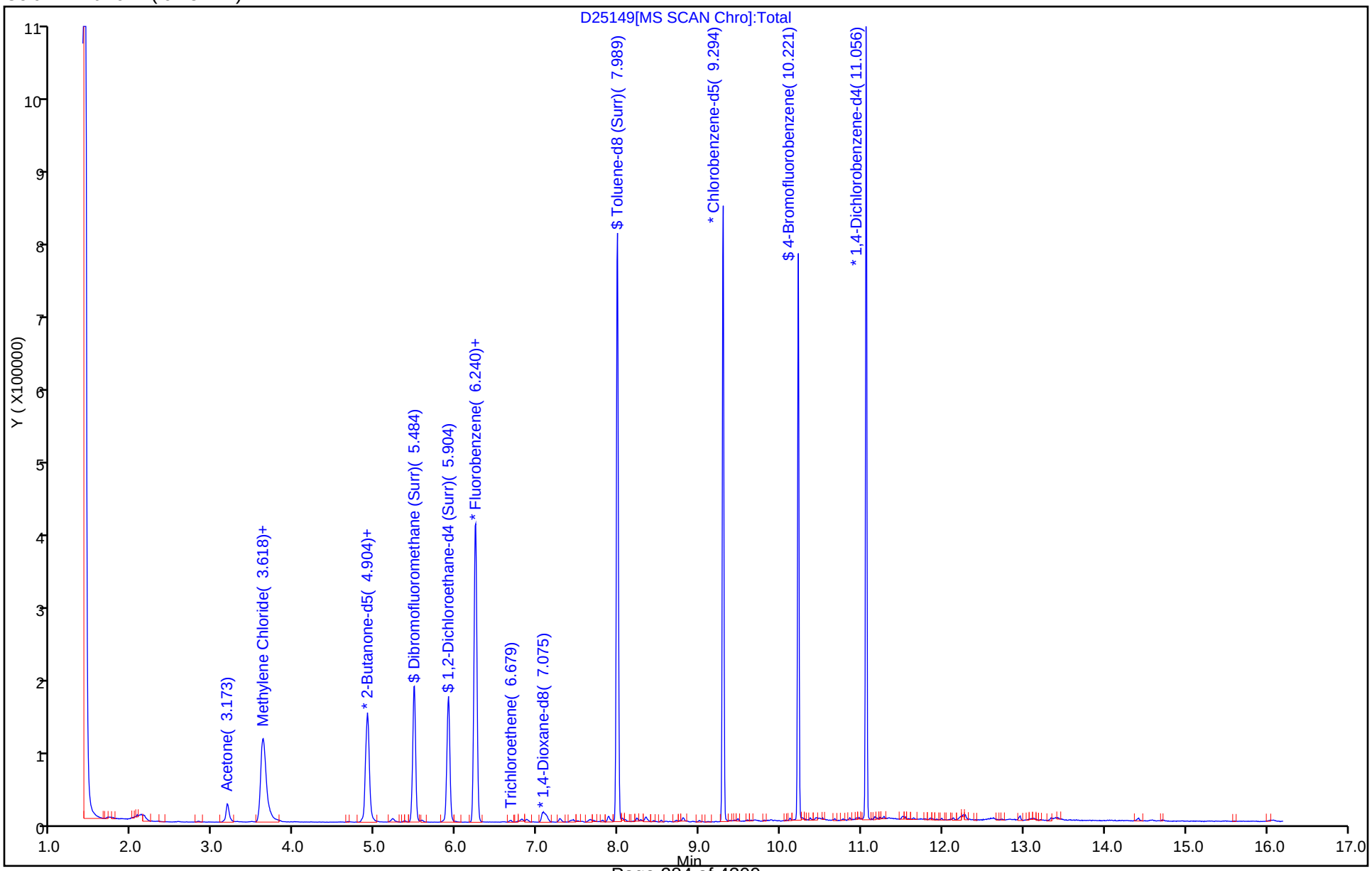
Report Date: 23-Aug-2016 19:39:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25149.D

Injection Date:	21-Aug-2016 12:31:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-4-A	Lab Sample ID:	460-118857-4	Worklist Smp#:	16
Client ID:	SB-9 (12-14) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



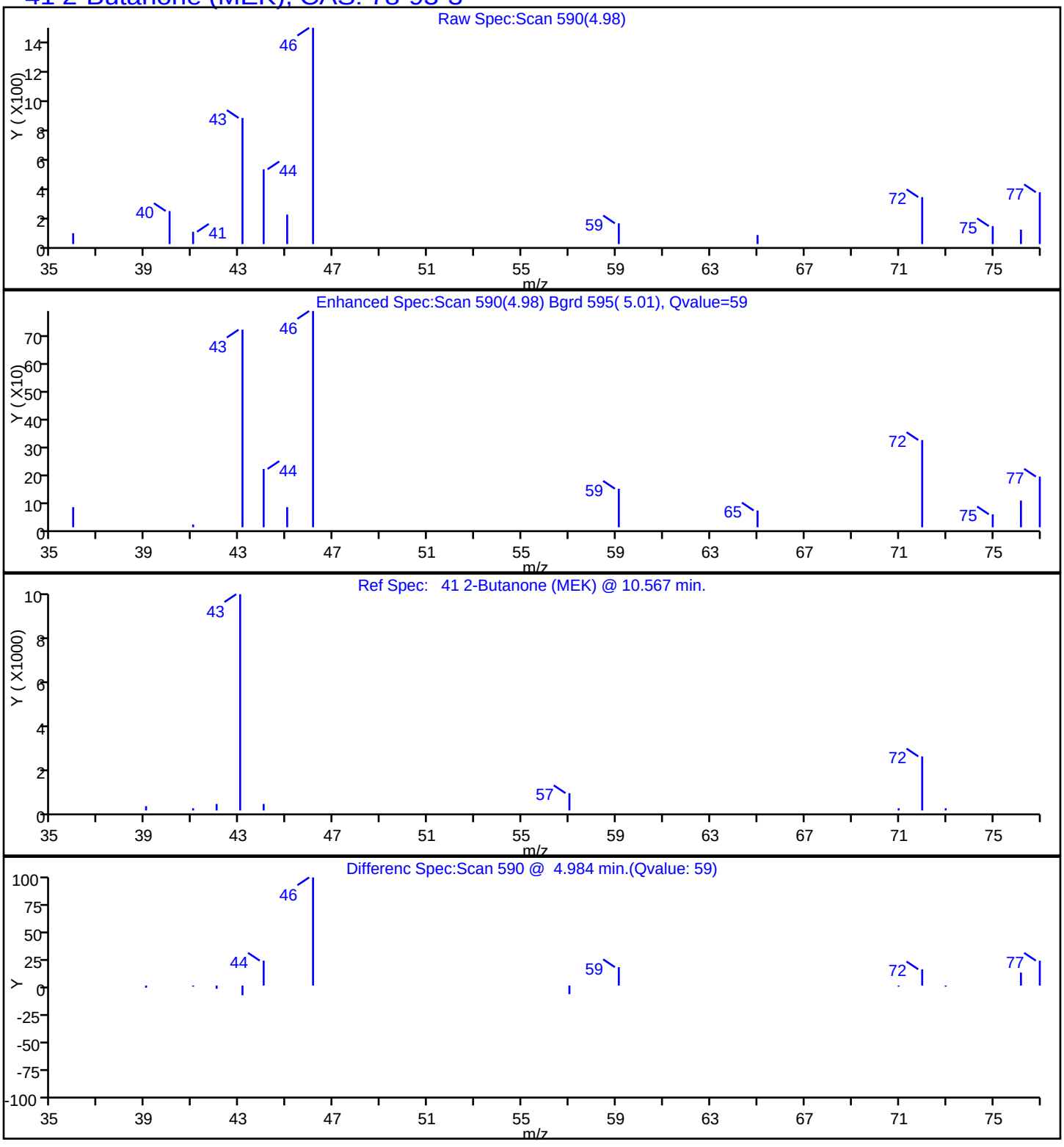
Report Date: 23-Aug-2016 19:39:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25149.D

Injection Date:	21-Aug-2016 12:31:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



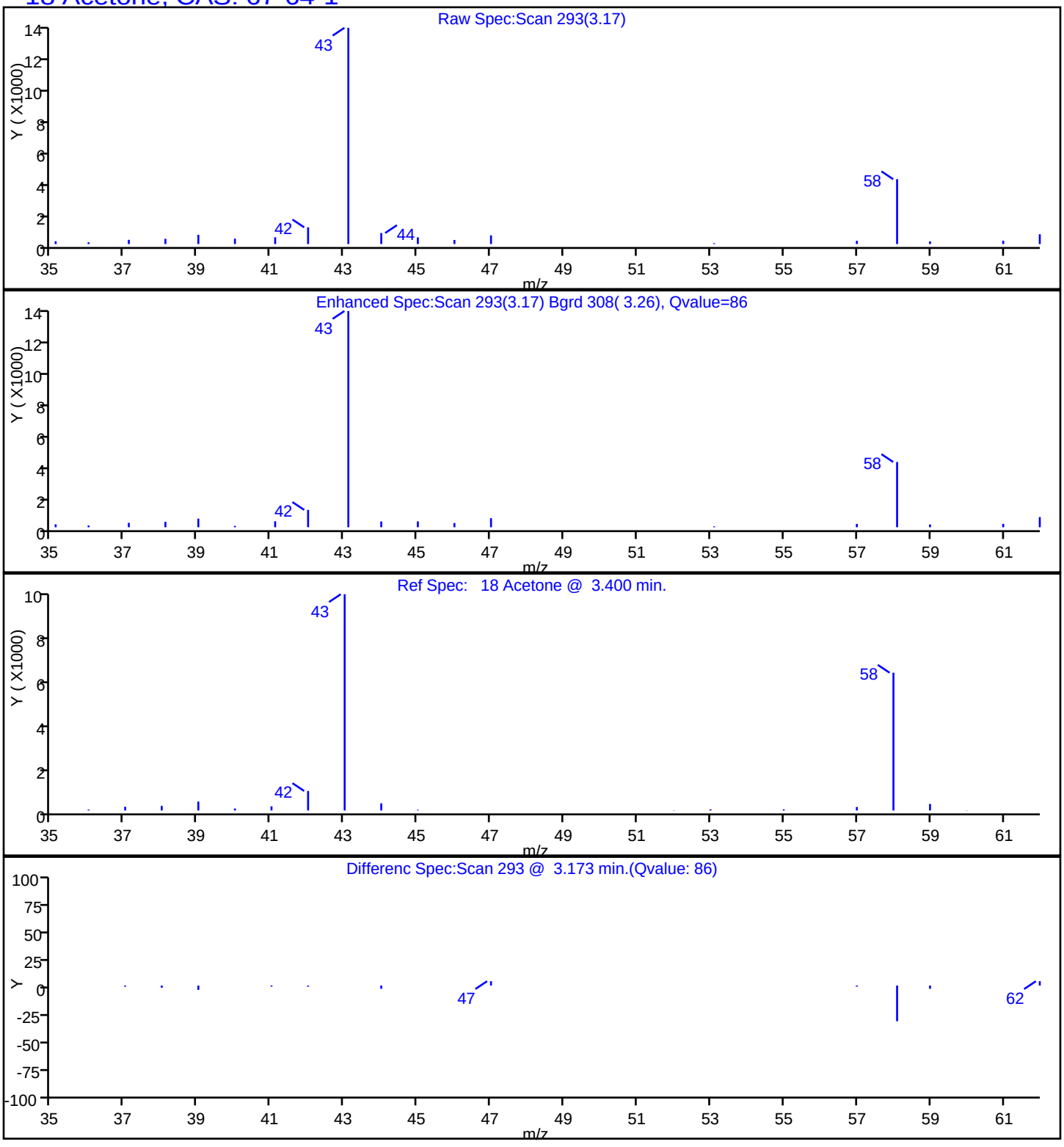
Report Date: 23-Aug-2016 19:39:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25149.D

Injection Date:	21-Aug-2016 12:31:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-4-A	Lab Sample ID:	460-118857-4
Client ID:	SB-9 (12-14) 08182016		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



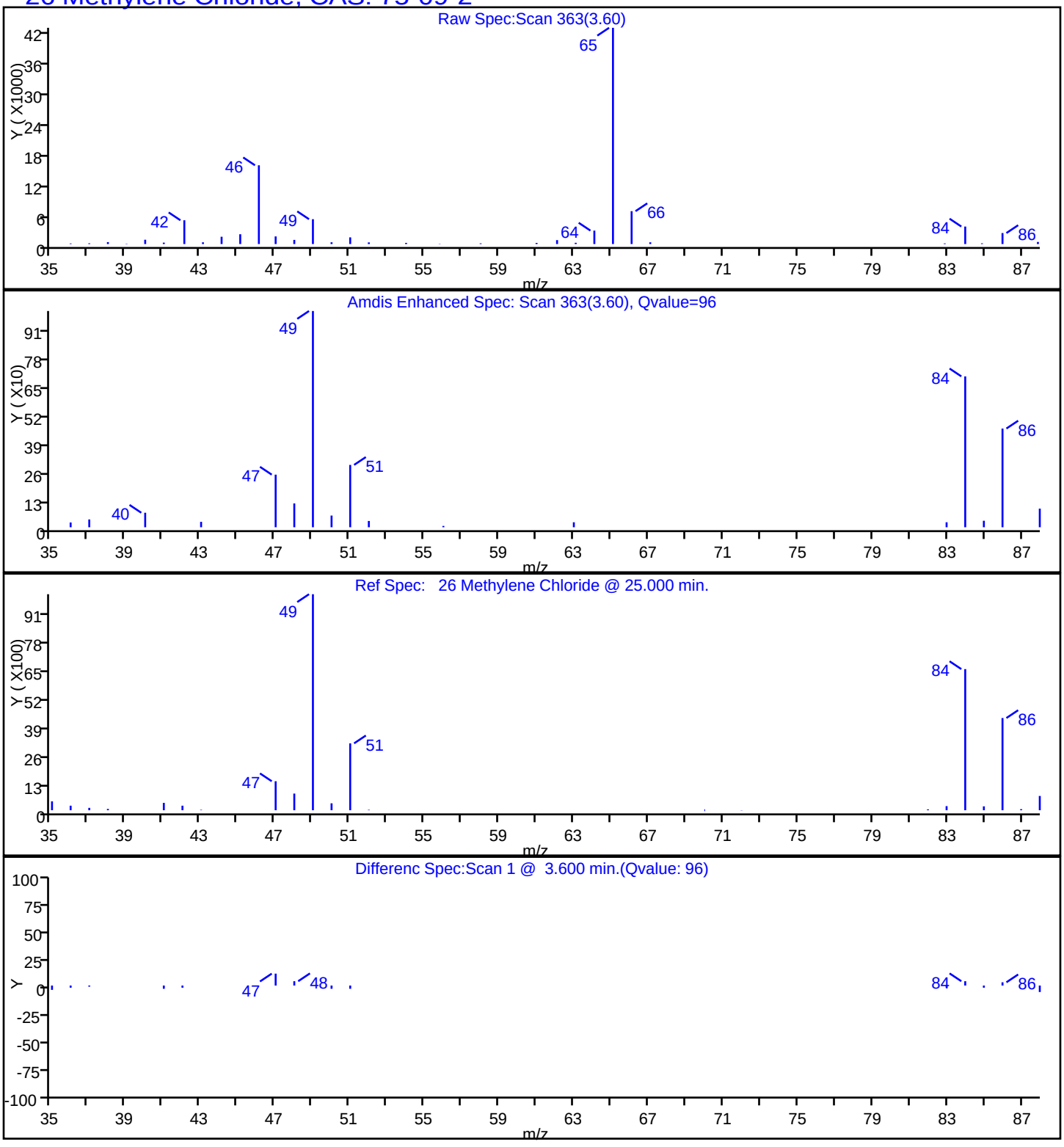
Report Date: 23-Aug-2016 19:39:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25149.D

Injection Date:	21-Aug-2016 12:31:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-4-A	Lab Sample ID:	460-118857-4
Client ID:	SB-9 (12-14) 08182016		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



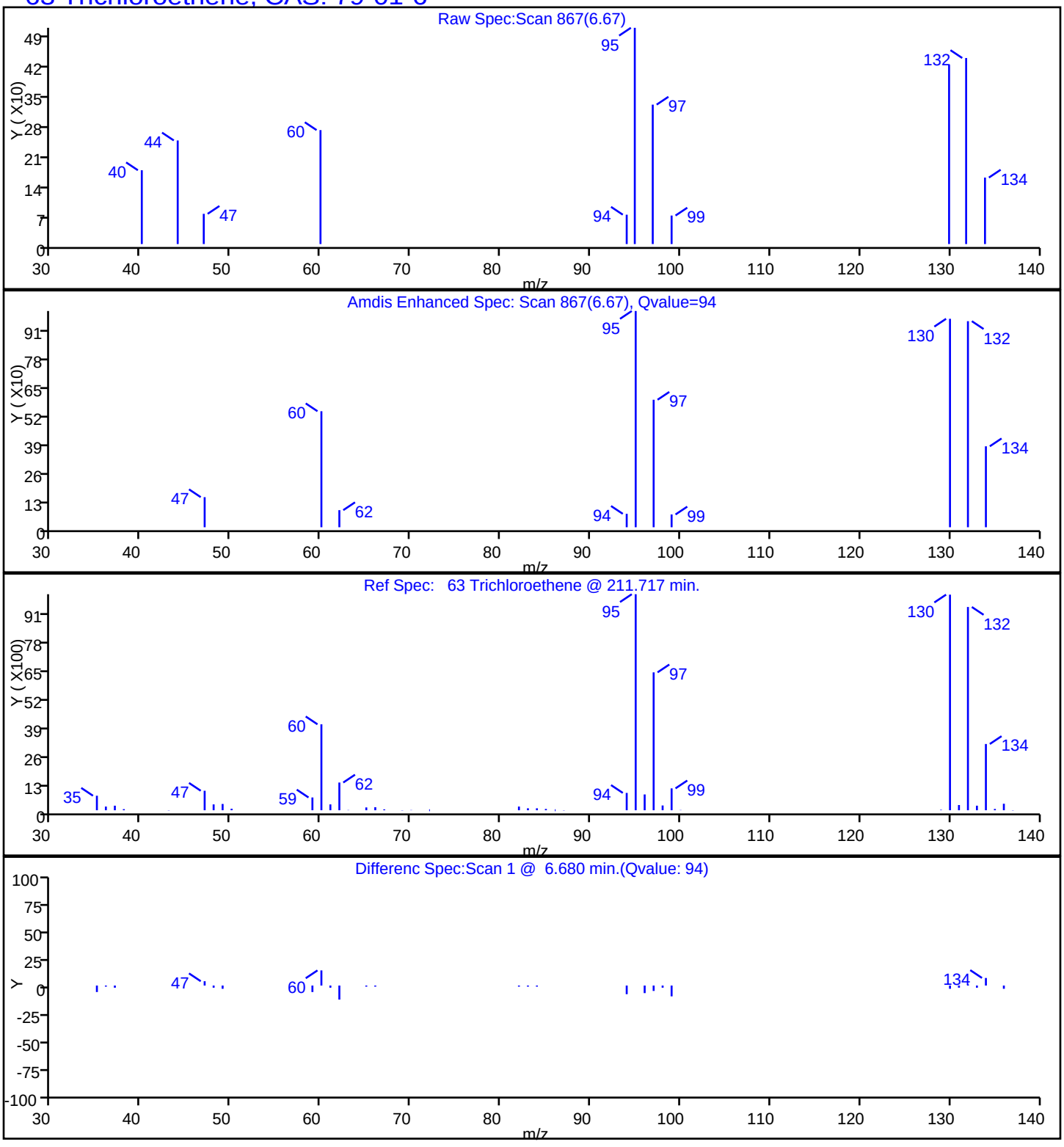
Report Date: 23-Aug-2016 19:39:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25149.D

Injection Date:	21-Aug-2016 12:31:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-4-A	Lab Sample ID:	460-118857-4
Client ID:	SB-9 (12-14) 08182016		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 | Lab Sample ID: 460-118857-5

Matrix: Solid | Lab File ID: D25170.D

Analysis Method: 8260C | Date Collected: 08/18/2016 10:44

Sample wt/vol: 6.807(g) | Date Analyzed: 08/22/2016 14:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	0.29
79-34-5	1,1,2,2-Tetrachloroethane	0.77	U	0.77	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.77	U *	0.77	0.34
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	0.22
75-34-3	1,1-Dichloroethane	0.77	U	0.77	0.26
75-35-4	1,1-Dichloroethene	0.77	U	0.77	0.32
87-61-6	1,2,3-Trichlorobenzene	0.77	U	0.77	0.085
120-82-1	1,2,4-Trichlorobenzene	0.77	U	0.77	0.25
96-12-8	1,2-Dibromo-3-Chloropropane	0.77	U	0.77	0.36
95-50-1	1,2-Dichlorobenzene	0.77	U	0.77	0.11
107-06-2	1,2-Dichloroethane	0.77	U	0.77	0.085
78-87-5	1,2-Dichloropropane	0.77	U	0.77	0.13
541-73-1	1,3-Dichlorobenzene	0.77	U	0.77	0.093
106-46-7	1,4-Dichlorobenzene	0.77	U	0.77	0.10
123-91-1	1,4-Dioxane	15	U	15	4.9
78-93-3	2-Butanone (MEK)	0.94	J	3.9	0.60
591-78-6	2-Hexanone	3.9	U	3.9	0.73
108-10-1	4-Methyl-2-pentanone (MIBK)	3.9	U	3.9	1.7
67-64-1	Acetone	19		3.9	0.82
75-05-8	Acetonitrile	7.7	U	7.7	3.1
107-02-8	Acrolein	77	U	77	12
71-43-2	Benzene	0.77	U	0.77	0.15
75-25-2	Bromoform	0.77	U	0.77	0.10
74-83-9	Bromomethane	0.77	U	0.77	0.25
75-15-0	Carbon disulfide	0.77	U	0.77	0.33
56-23-5	Carbon tetrachloride	0.77	U	0.77	0.33
108-90-7	Chlorobenzene	0.77	U	0.77	0.11
74-97-5	Chlorobromomethane	0.77	U	0.77	0.13
124-48-1	Chlorodibromomethane	0.77	U	0.77	0.12
75-00-3	Chloroethane	0.77	U	0.77	0.27
67-66-3	Chloroform	0.77	U	0.77	0.16
74-87-3	Chloromethane	0.77	U	0.77	0.29
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	0.17
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	0.12
110-82-7	Cyclohexane	0.77	U	0.77	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 | Lab Sample ID: 460-118857-5

Matrix: Solid | Lab File ID: D25170.D

Analysis Method: 8260C | Date Collected: 08/18/2016 10:44

Sample wt/vol: 6.807(g) | Date Analyzed: 08/22/2016 14:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.77	U	0.77	0.29
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	0.25
100-41-4	Ethylbenzene	0.77	U	0.77	0.14
106-93-4	Ethylene Dibromide	0.77	U	0.77	0.093
98-82-8	Isopropylbenzene	0.77	U	0.77	0.13
79-20-9	Methyl acetate	3.9	U	3.9	0.70
1634-04-4	Methyl tert-butyl ether	0.77	U	0.77	0.13
108-87-2	Methylcyclohexane	0.77	U	0.77	0.39
75-09-2	Methylene Chloride	1.6		0.77	0.25
179601-23-1	m-Xylene & p-Xylene	0.77	U	0.77	0.085
95-47-6	o-Xylene	0.77	U	0.77	0.12
100-42-5	Styrene	0.77	U	0.77	0.12
75-65-0	TBA	7.7	U	7.7	2.7
127-18-4	Tetrachloroethene	0.77	U	0.77	0.22
108-88-3	Toluene	0.77	U	0.77	0.15
156-60-5	trans-1,2-Dichloroethene	0.77	U	0.77	0.30
10061-02-6	trans-1,3-Dichloropropene	0.77	U	0.77	0.077
79-01-6	Trichloroethene	0.77	U	0.77	0.20
75-69-4	Trichlorofluoromethane	0.77	U	0.77	0.26
75-01-4	Vinyl chloride	0.77	U	0.77	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		78-135
460-00-4	4-Bromofluorobenzene	80		67-126
1868-53-7	Dibromofluoromethane (Surr)	91		61-149
2037-26-5	Toluene-d8 (Surr)	93		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25170.D
Lims ID: 460-118857-B-5-A
Client ID: SB-8 (2-4) 08182016
Sample Type: Client
Inject. Date: 22-Aug-2016 14:15:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-5-A
Misc. Info.: 460-0044710-011
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:39:08 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: singthongw Date: 23-Aug-2016 11:25:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.173	0.000	86	32232	24.4	
26 Methylene Chloride	84	3.600	3.600	0.000	99	8402	2.09	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	39	299138	1000.0	
* 38 2-Butanone-d5	46	4.898	4.904	-0.006	0	305260	250.0	
41 2-Butanone (MEK)	72	4.959	4.978	-0.019	97	529	1.22	
45 Tetrahydrofuran	72	5.209	5.209	0.000	91	1714	3.45	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.484	-0.006	96	139390	45.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	97	150196	48.7	
* 61 Fluorobenzene	96	6.233	6.240	-0.007	98	512337	50.0	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	24254	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.983	7.989	-0.006	98	473037	46.4	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	373966	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	90	144501	40.1	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	207634	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

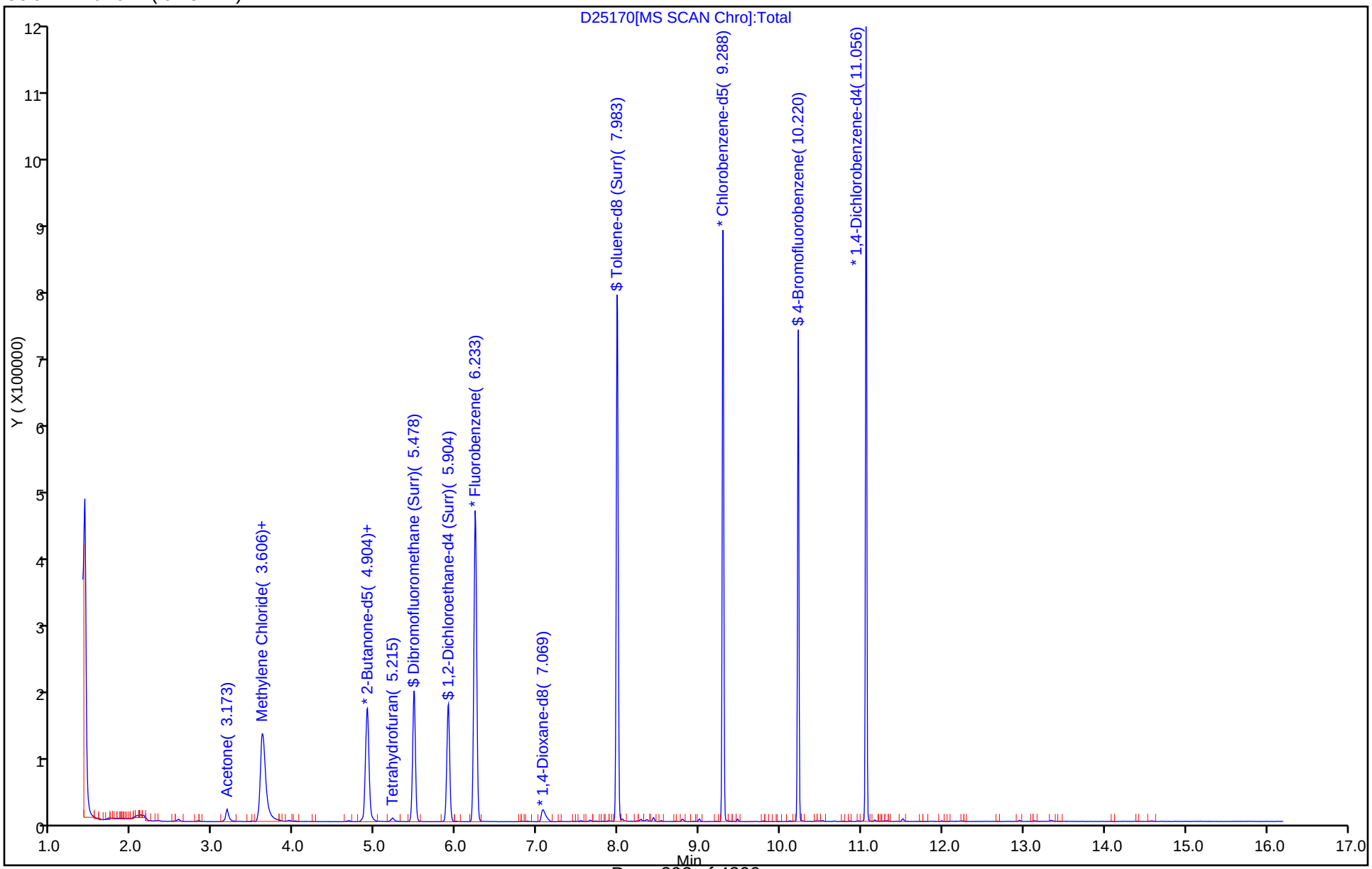
Report Date: 23-Aug-2016 19:39:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25170.D

Injection Date:	22-Aug-2016 14:15:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-5-A	Lab Sample ID:	460-118857-5	Worklist Smp#:	11
Client ID:	SB-8 (2-4) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



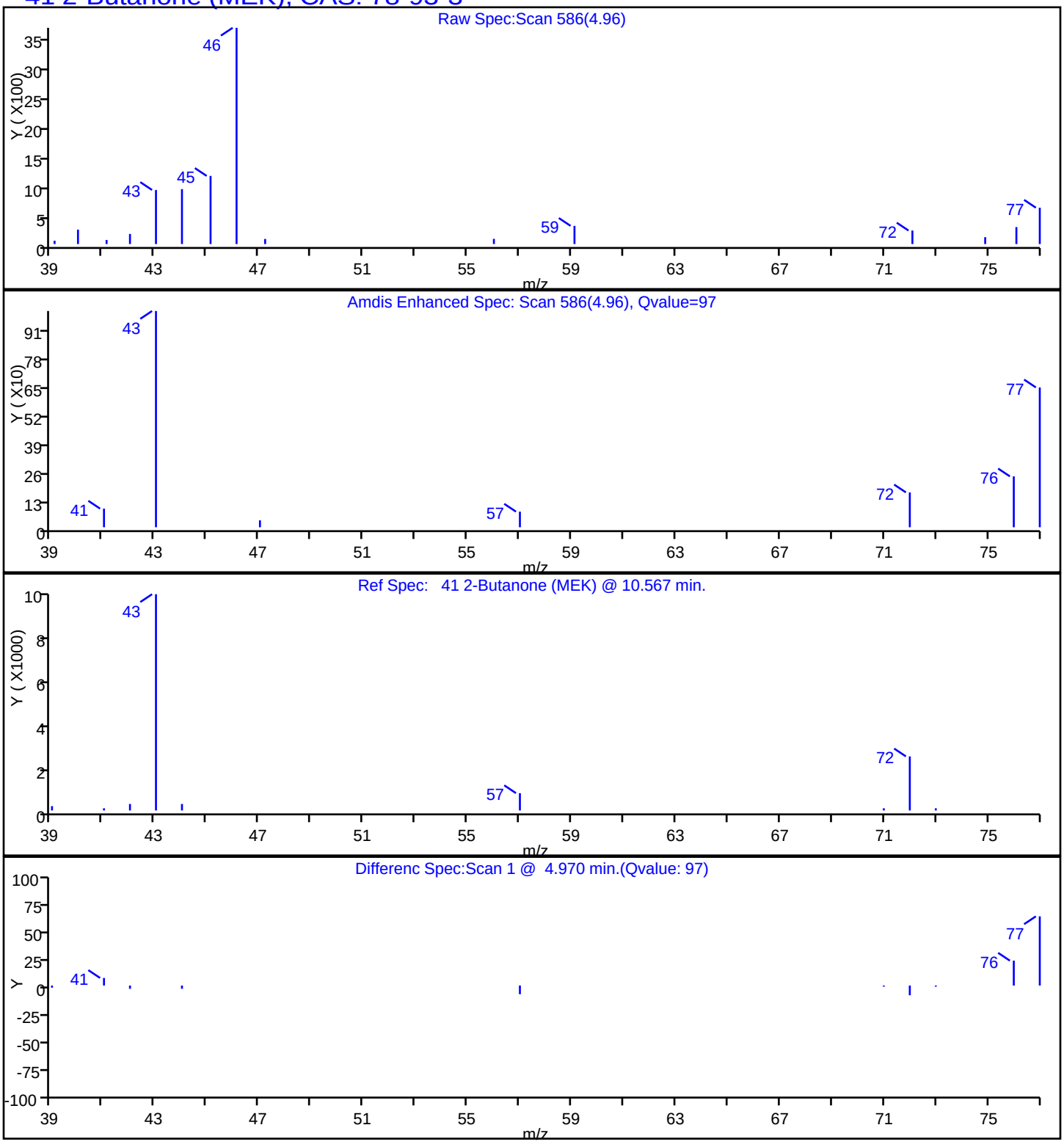
Report Date: 23-Aug-2016 19:39:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25170.D

Injection Date:	22-Aug-2016 14:15:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-5-A	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



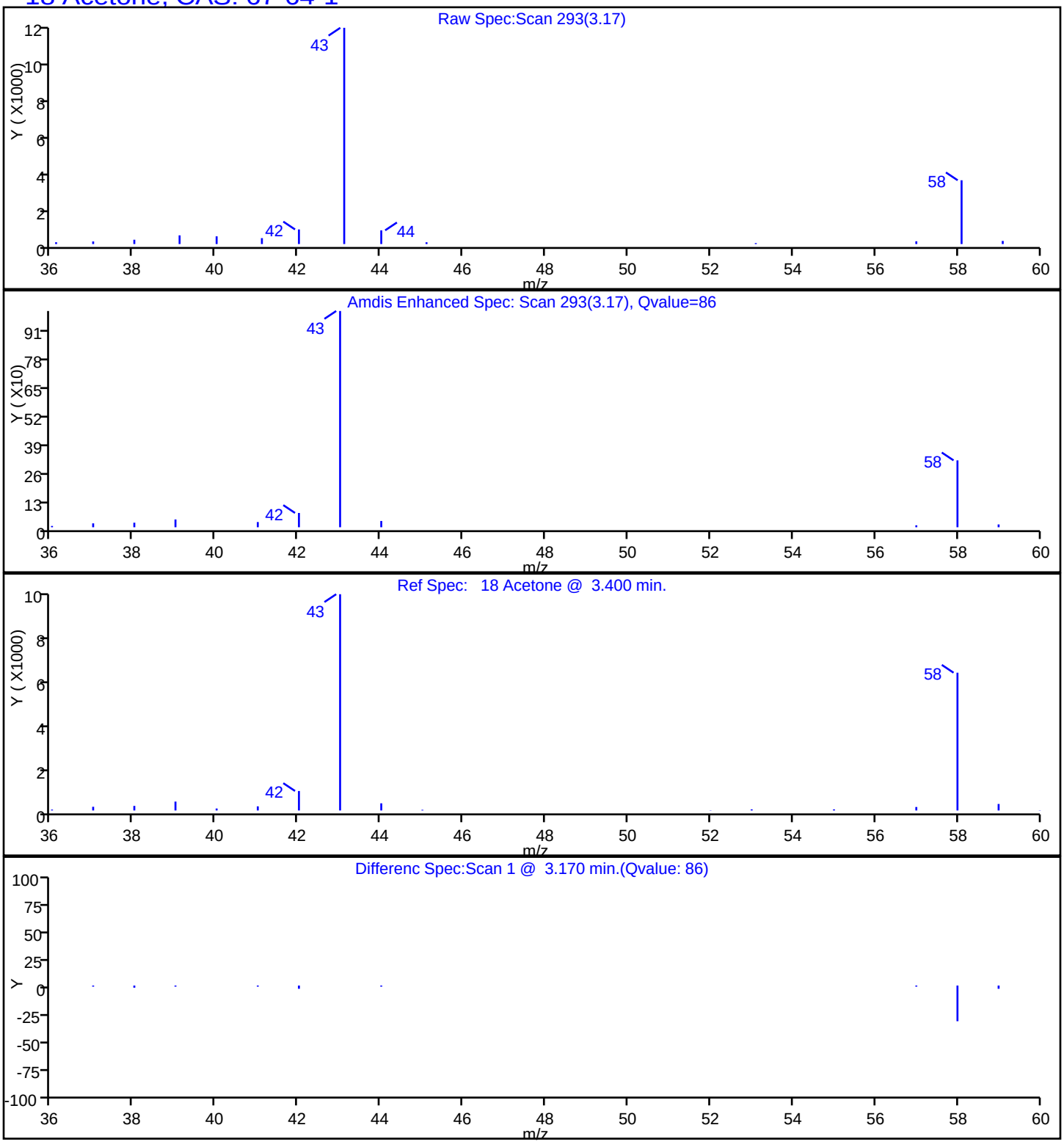
Report Date: 23-Aug-2016 19:39:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25170.D

Injection Date:	22-Aug-2016 14:15:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-5-A	Lab Sample ID:	460-118857-5
Client ID:	SB-8 (2-4) 08182016		
Operator ID:		ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



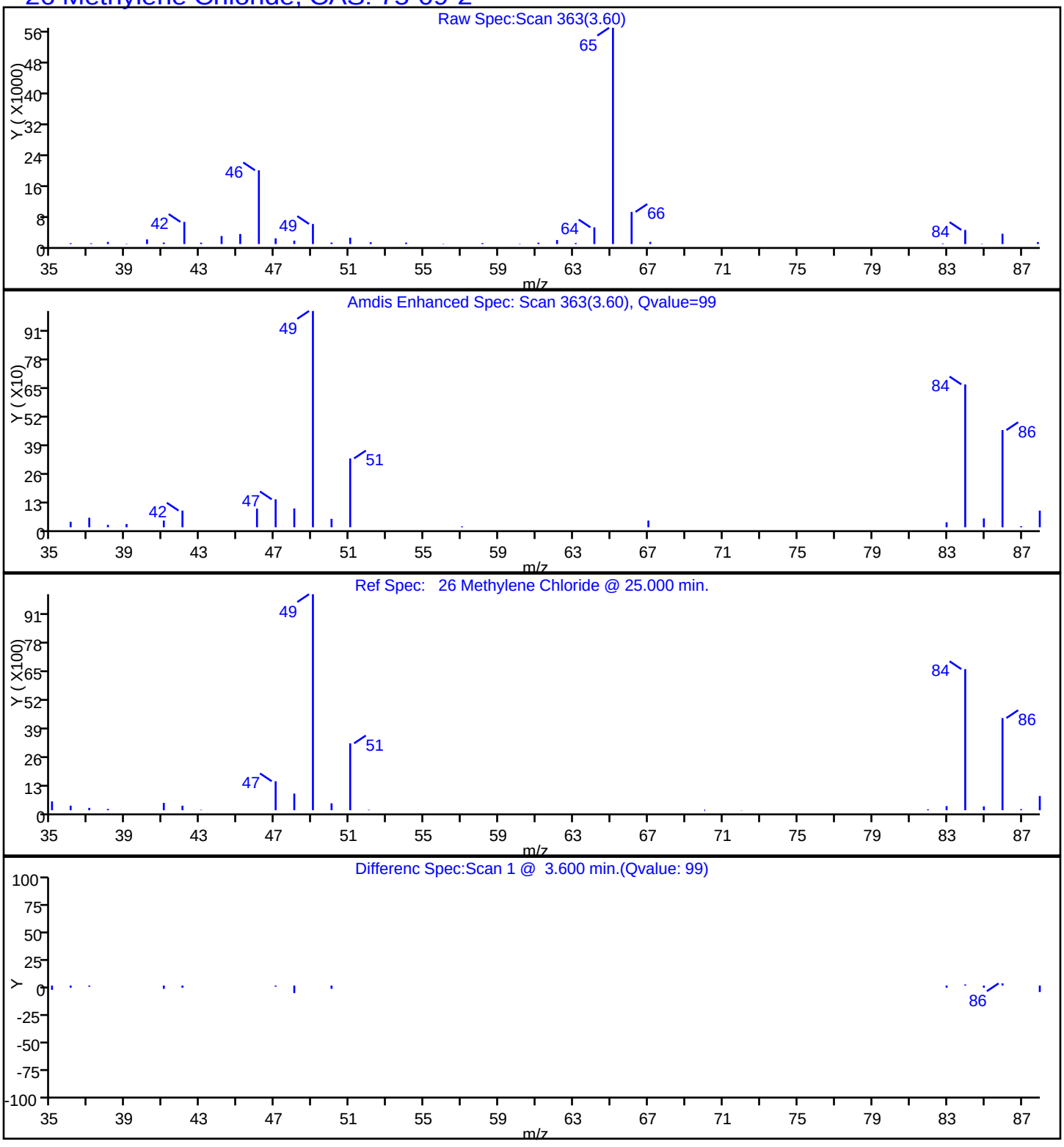
Report Date: 23-Aug-2016 19:39:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25170.D

Injection Date:	22-Aug-2016 14:15:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-5-A	Lab Sample ID:	460-118857-5
Client ID:	SB-8 (2-4) 08182016		
Operator ID:		ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (13-15) 08182016 | Lab Sample ID: 460-118857-6

Matrix: Solid | Lab File ID: D25169.D

Analysis Method: 8260C | Date Collected: 08/18/2016 10:50

Sample wt/vol: 6.319(g) | Date Analyzed: 08/22/2016 13:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 11.4 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.89	U	0.89	0.34
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.89	U *	0.89	0.39
79-00-5	1,1,2-Trichloroethane	0.89	U	0.89	0.25
75-34-3	1,1-Dichloroethane	0.89	U	0.89	0.30
75-35-4	1,1-Dichloroethene	0.89	U	0.89	0.37
87-61-6	1,2,3-Trichlorobenzene	0.89	U	0.89	0.098
120-82-1	1,2,4-Trichlorobenzene	0.89	U	0.89	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	0.89	U	0.89	0.42
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	0.13
107-06-2	1,2-Dichloroethane	0.89	U	0.89	0.098
78-87-5	1,2-Dichloropropane	0.89	U	0.89	0.15
541-73-1	1,3-Dichlorobenzene	0.89	U	0.89	0.11
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	0.12
123-91-1	1,4-Dioxane	18	U	18	5.7
78-93-3	2-Butanone (MEK)	4.5	U	4.5	0.69
591-78-6	2-Hexanone	4.5	U	4.5	0.84
108-10-1	4-Methyl-2-pentanone (MIBK)	4.5	U	4.5	2.0
67-64-1	Acetone	3.6	J	4.5	0.95
75-05-8	Acetonitrile	8.9	U	8.9	3.6
107-02-8	Acrolein	89	U	89	14
71-43-2	Benzene	0.89	U	0.89	0.18
75-25-2	Bromoform	0.89	U	0.89	0.12
74-83-9	Bromomethane	0.89	U	0.89	0.29
75-15-0	Carbon disulfide	0.89	U	0.89	0.38
56-23-5	Carbon tetrachloride	0.89	U	0.89	0.38
108-90-7	Chlorobenzene	0.89	U	0.89	0.13
74-97-5	Chlorobromomethane	0.89	U	0.89	0.15
124-48-1	Chlorodibromomethane	0.89	U	0.89	0.13
75-00-3	Chloroethane	0.89	U	0.89	0.31
67-66-3	Chloroform	0.89	U	0.89	0.19
74-87-3	Chloromethane	0.89	U	0.89	0.34
156-59-2	cis-1,2-Dichloroethene	0.89	U	0.89	0.20
10061-01-5	cis-1,3-Dichloropropene	0.89	U	0.89	0.13
110-82-7	Cyclohexane	0.89	U	0.89	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (13-15) 08182016 | Lab Sample ID: 460-118857-6

Matrix: Solid | Lab File ID: D25169.D

Analysis Method: 8260C | Date Collected: 08/18/2016 10:50

Sample wt/vol: 6.319(g) | Date Analyzed: 08/22/2016 13:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 11.4 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.89	U	0.89	0.34
75-71-8	Dichlorodifluoromethane	0.89	U	0.89	0.29
100-41-4	Ethylbenzene	0.89	U	0.89	0.16
106-93-4	Ethylene Dibromide	0.89	U	0.89	0.11
98-82-8	Isopropylbenzene	0.89	U	0.89	0.15
79-20-9	Methyl acetate	4.5	U	4.5	0.80
1634-04-4	Methyl tert-butyl ether	0.89	U	0.89	0.15
108-87-2	Methylcyclohexane	0.89	U	0.89	0.45
75-09-2	Methylene Chloride	0.73	J	0.89	0.29
179601-23-1	m-Xylene & p-Xylene	0.89	U	0.89	0.098
95-47-6	o-Xylene	0.89	U	0.89	0.14
100-42-5	Styrene	0.89	U	0.89	0.13
75-65-0	TBA	8.9	U	8.9	3.1
127-18-4	Tetrachloroethene	0.30	J	0.89	0.25
108-88-3	Toluene	0.89	U	0.89	0.17
156-60-5	trans-1,2-Dichloroethene	0.89	U	0.89	0.35
10061-02-6	trans-1,3-Dichloropropene	0.89	U	0.89	0.089
79-01-6	Trichloroethene	1.8		0.89	0.23
75-69-4	Trichlorofluoromethane	0.89	U	0.89	0.30
75-01-4	Vinyl chloride	0.89	U	0.89	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		78-135
460-00-4	4-Bromofluorobenzene	84		67-126
1868-53-7	Dibromofluoromethane (Surr)	93		61-149
2037-26-5	Toluene-d8 (Surr)	95		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25169.D
Lims ID: 460-118857-C-6-A
Client ID: SB-8 (13-15) 08182016
Sample Type: Client
Inject. Date: 22-Aug-2016 13:50:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-C-6-A
Misc. Info.: 460-0044710-010
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:33:27 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: delpolitov Date: 23-Aug-2016 19:33:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.167	3.173	-0.006	85	8731	3.98	
26 Methylene Chloride	84	3.588	3.600	-0.012	96	3132	0.8201	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	39	237176	1000.0	
* 38 2-Butanone-d5	46	4.898	4.904	-0.006	0	274171	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.484	-0.007	97	134990	46.4	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.904	-0.006	98	145604	49.7	
* 61 Fluorobenzene	96	6.233	6.240	-0.007	98	486931	50.0	
63 Trichloroethene	95	6.666	6.666	0.000	96	6635	1.98	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	15359	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.983	7.989	-0.006	99	454311	47.3	
83 Tetrachloroethene	166	8.532	8.532	0.000	92	1263	0.3350	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	352302	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	90	137716	42.2	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	188286	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

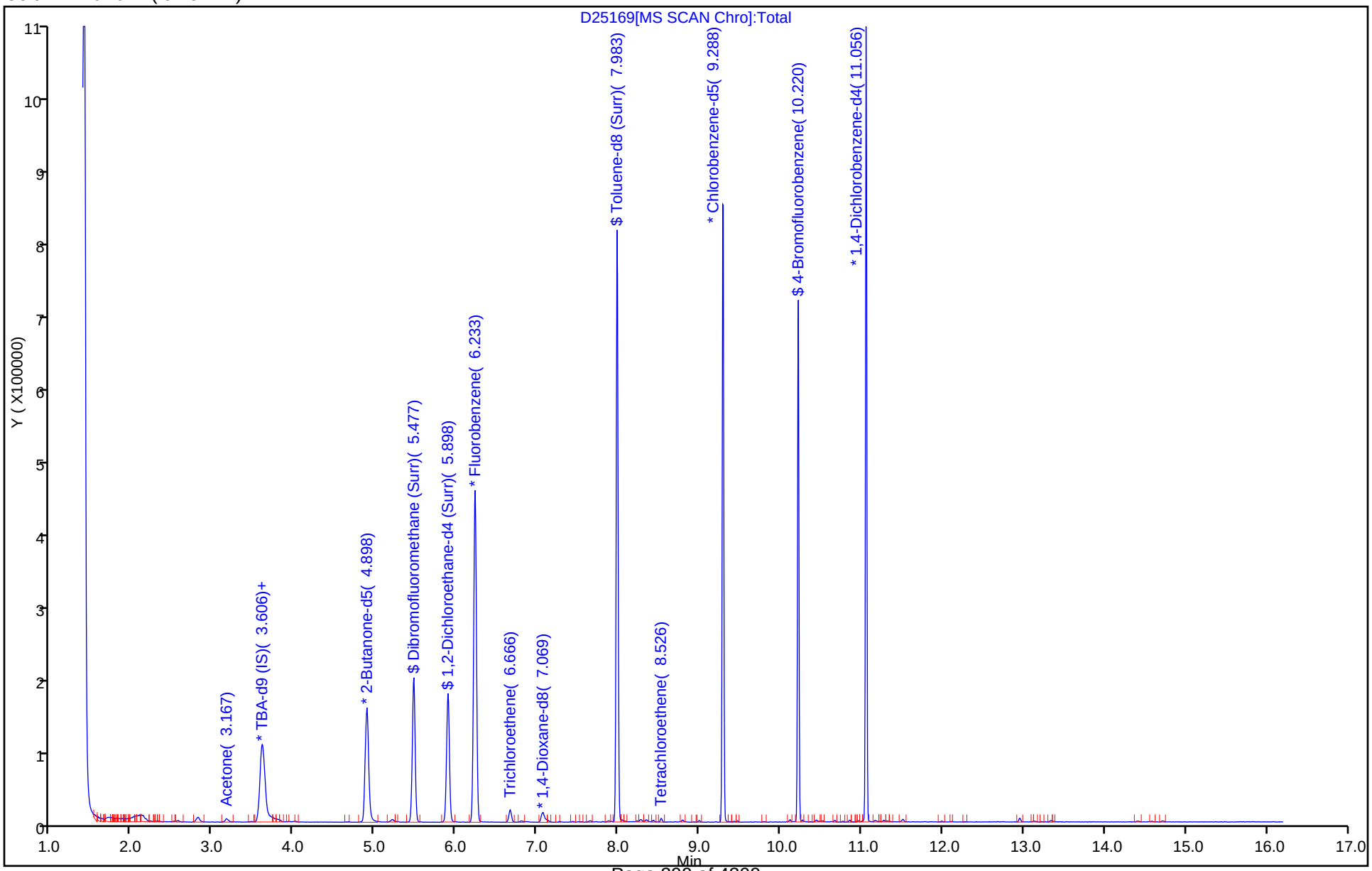
Report Date: 23-Aug-2016 19:33:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25169.D

Injection Date:	22-Aug-2016 13:50:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-C-6-A	Lab Sample ID:	460-118857-6	Worklist Smp#:	10
Client ID:	SB-8 (13-15) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



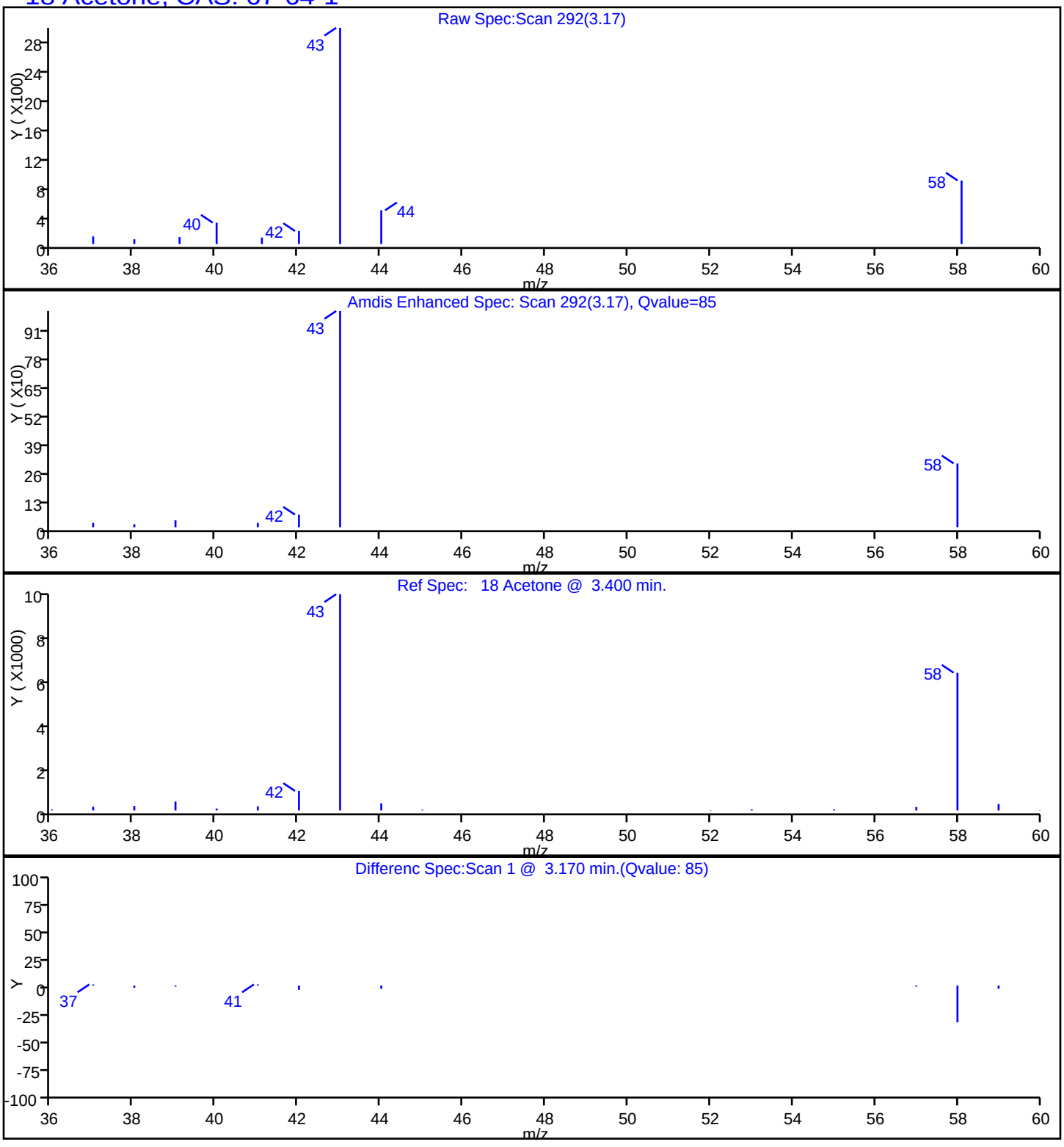
Report Date: 23-Aug-2016 19:33:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25169.D

Injection Date:	22-Aug-2016 13:50:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-C-6-A	Lab Sample ID:	460-118857-6
Client ID:	SB-8 (13-15) 08182016		
Operator ID:		ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



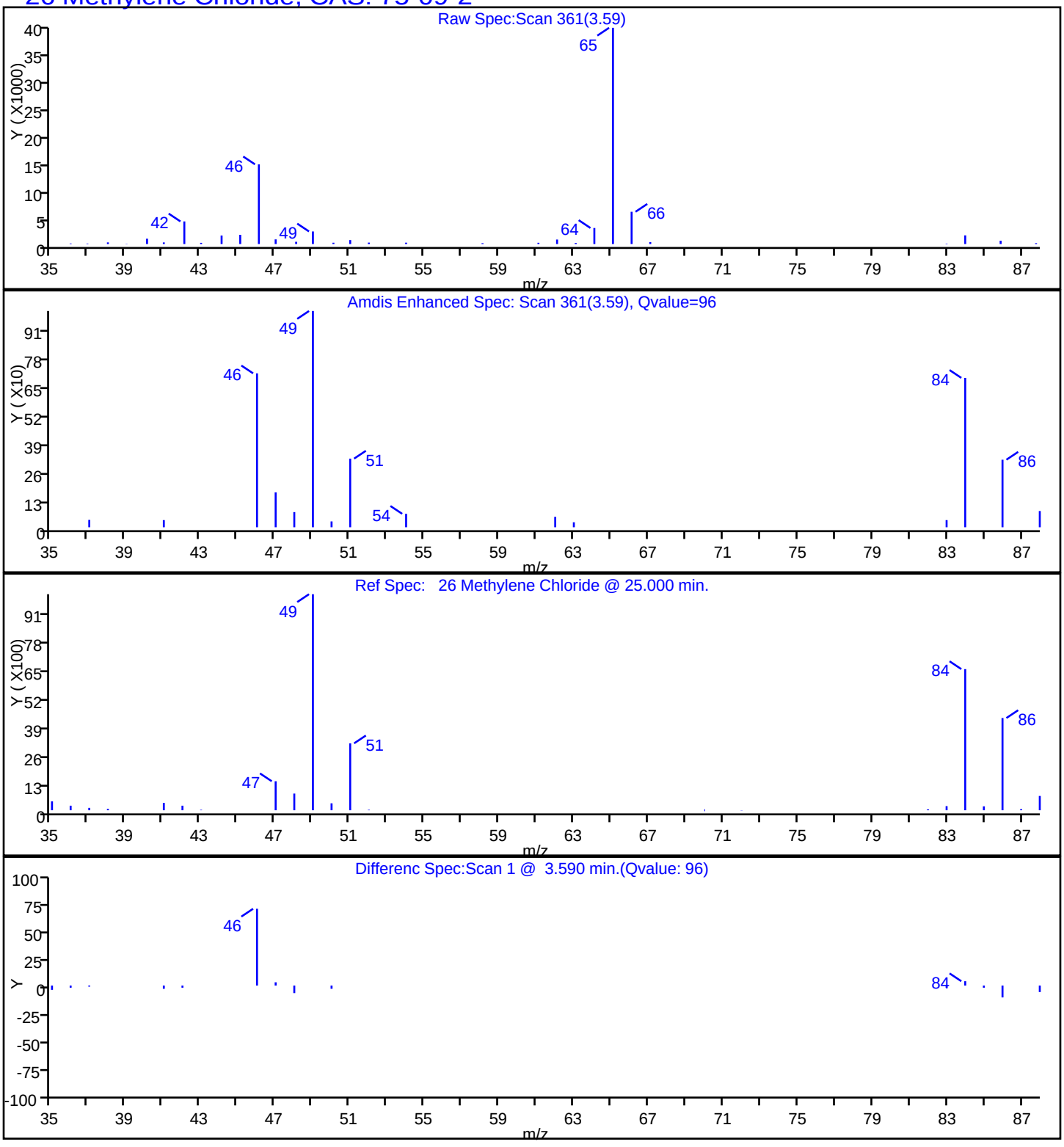
Report Date: 23-Aug-2016 19:33:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25169.D

Injection Date:	22-Aug-2016 13:50:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-C-6-A	Lab Sample ID:	460-118857-6
Client ID:	SB-8 (13-15) 08182016		
Operator ID:		ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



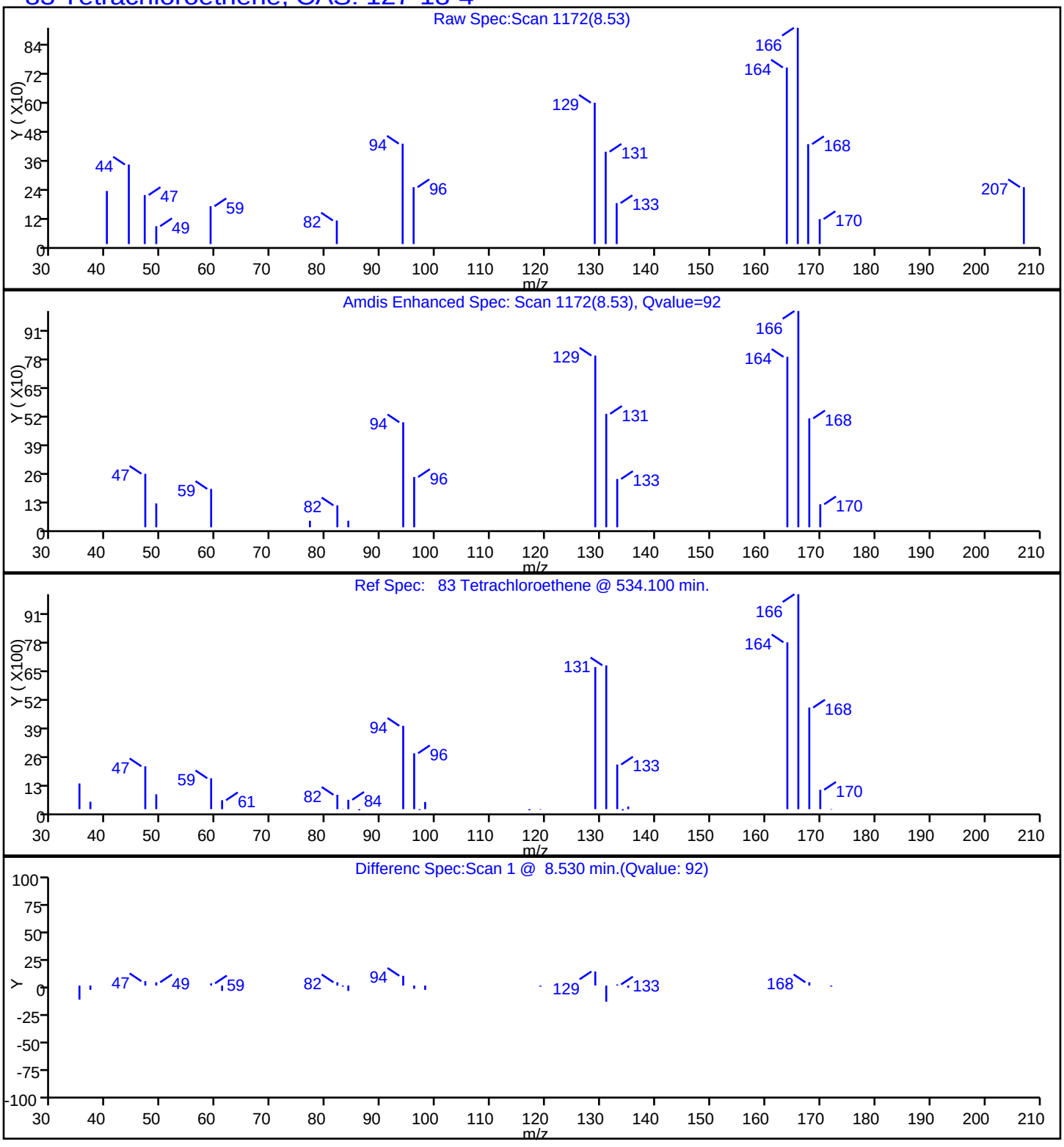
Report Date: 23-Aug-2016 19:33:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25169.D

Injection Date:	22-Aug-2016 13:50:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-C-6-A	Lab Sample ID:	460-118857-6
Client ID:	SB-8 (13-15) 08182016		
Operator ID:		ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

83 Tetrachloroethene, CAS: 127-18-4



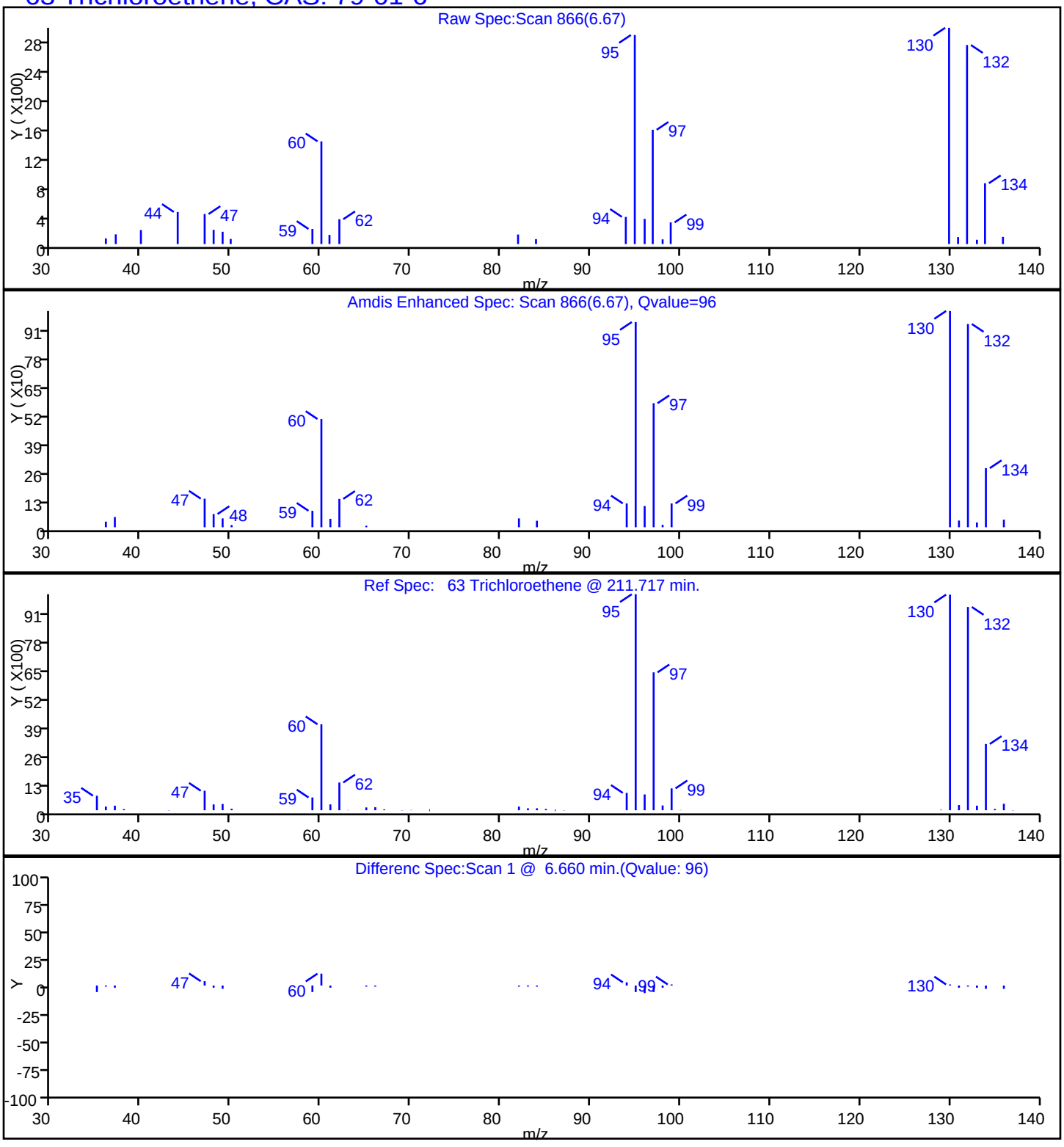
Report Date: 23-Aug-2016 19:33:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25169.D

Injection Date:	22-Aug-2016 13:50:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-C-6-A	Lab Sample ID:	460-118857-6
Client ID:	SB-8 (13-15) 08182016		
Operator ID:		ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (3-5) 08182016 | Lab Sample ID: 460-118857-7

Matrix: Solid | Lab File ID: D25151.D

Analysis Method: 8260C | Date Collected: 08/18/2016 11:38

Sample wt/vol: 6.651(g) | Date Analyzed: 08/21/2016 13:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 7.2 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.81	U	0.81	0.31
79-34-5	1,1,2,2-Tetrachloroethane	0.81	U	0.81	0.14
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.81	U	0.81	0.36
79-00-5	1,1,2-Trichloroethane	0.81	U	0.81	0.23
75-34-3	1,1-Dichloroethane	0.81	U	0.81	0.28
75-35-4	1,1-Dichloroethene	0.81	U	0.81	0.33
87-61-6	1,2,3-Trichlorobenzene	0.81	U	0.81	0.089
120-82-1	1,2,4-Trichlorobenzene	0.81	U	0.81	0.26
96-12-8	1,2-Dibromo-3-Chloropropane	0.81	U	0.81	0.38
95-50-1	1,2-Dichlorobenzene	0.81	U	0.81	0.11
107-06-2	1,2-Dichloroethane	0.26	J	0.81	0.089
78-87-5	1,2-Dichloropropane	0.81	U	0.81	0.14
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	0.097
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	0.11
123-91-1	1,4-Dioxane	16	U	16	5.2
78-93-3	2-Butanone (MEK)	4.1	U	4.1	0.62
591-78-6	2-Hexanone	4.1	U	4.1	0.76
108-10-1	4-Methyl-2-pentanone (MIBK)	4.1	U	4.1	1.8
67-64-1	Acetone	7.6		4.1	0.86
75-05-8	Acetonitrile	8.1	U	8.1	3.3
107-02-8	Acrolein	81	U	81	13
71-43-2	Benzene	0.49	J	0.81	0.16
75-25-2	Bromoform	0.81	U	0.81	0.11
74-83-9	Bromomethane	0.81	U	0.81	0.26
75-15-0	Carbon disulfide	0.81	U	0.81	0.35
56-23-5	Carbon tetrachloride	0.81	U	0.81	0.35
108-90-7	Chlorobenzene	0.81	U	0.81	0.11
74-97-5	Chlorobromomethane	0.81	U	0.81	0.14
124-48-1	Chlorodibromomethane	0.81	U	0.81	0.12
75-00-3	Chloroethane	0.81	U	0.81	0.28
67-66-3	Chloroform	1.1		0.81	0.17
74-87-3	Chloromethane	0.81	U	0.81	0.31
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	0.18
10061-01-5	cis-1,3-Dichloropropene	0.81	U	0.81	0.12
110-82-7	Cyclohexane	0.81	U	0.81	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (3-5) 08182016 | Lab Sample ID: 460-118857-7

Matrix: Solid | Lab File ID: D25151.D

Analysis Method: 8260C | Date Collected: 08/18/2016 11:38

Sample wt/vol: 6.651(g) | Date Analyzed: 08/21/2016 13:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 7.2 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.81	U	0.81	0.31
75-71-8	Dichlorodifluoromethane	0.81	U	0.81	0.26
100-41-4	Ethylbenzene	0.81	U	0.81	0.15
106-93-4	Ethylene Dibromide	0.81	U	0.81	0.097
98-82-8	Isopropylbenzene	0.81	U	0.81	0.14
79-20-9	Methyl acetate	4.1	U	4.1	0.73
1634-04-4	Methyl tert-butyl ether	0.81	U	0.81	0.14
108-87-2	Methylcyclohexane	0.81	U	0.81	0.41
75-09-2	Methylene Chloride	1.1		0.81	0.26
179601-23-1	m-Xylene & p-Xylene	0.81	U	0.81	0.089
95-47-6	o-Xylene	0.81	U	0.81	0.13
100-42-5	Styrene	0.81	U	0.81	0.12
75-65-0	TBA	8.1	U	8.1	2.8
127-18-4	Tetrachloroethene	0.81	U	0.81	0.23
108-88-3	Toluene	0.42	J	0.81	0.15
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	0.32
10061-02-6	trans-1,3-Dichloropropene	0.81	U	0.81	0.081
79-01-6	Trichloroethene	0.81	U	0.81	0.21
75-69-4	Trichlorofluoromethane	0.81	U	0.81	0.28
75-01-4	Vinyl chloride	0.81	U	0.81	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		78-135
460-00-4	4-Bromofluorobenzene	91		67-126
1868-53-7	Dibromofluoromethane (Surr)	97		61-149
2037-26-5	Toluene-d8 (Surr)	101		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25151.D
Lims ID: 460-118857-B-7-A
Client ID: SB-4 (3-5) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 13:20:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-7-A
Misc. Info.: 460-0044684-018
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:15:09 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: delpolitov Date: 23-Aug-2016 19:15:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.173	0.000	86	14192	9.42	
26 Methylene Chloride	84	3.594	3.594	0.000	96	4868	1.41	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	55	258903	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	275774	250.0	
48 Chloroform	83	5.294	5.289	0.005	96	7890	1.41	
$ 51 Dibromofluoromethane (Surr	113	5.483	5.478	0.005	96	127031	48.4	
55 Benzene	78	5.874	5.874	0.000	93	6958	0.6088	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	141956	53.7	
59 1,2-Dichloroethane	62	5.996	5.996	0.000	27	1276	0.3254	
* 61 Fluorobenzene	96	6.239	6.234	0.005	98	439168	50.0	
* 67 1,4-Dioxane-d8	96	7.081	7.063	0.018	0	17807	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	439129	50.7	
79 Toluene	91	8.050	8.050	0.000	92	6210	0.5191	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	318073	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	89	135976	45.5	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	172404	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

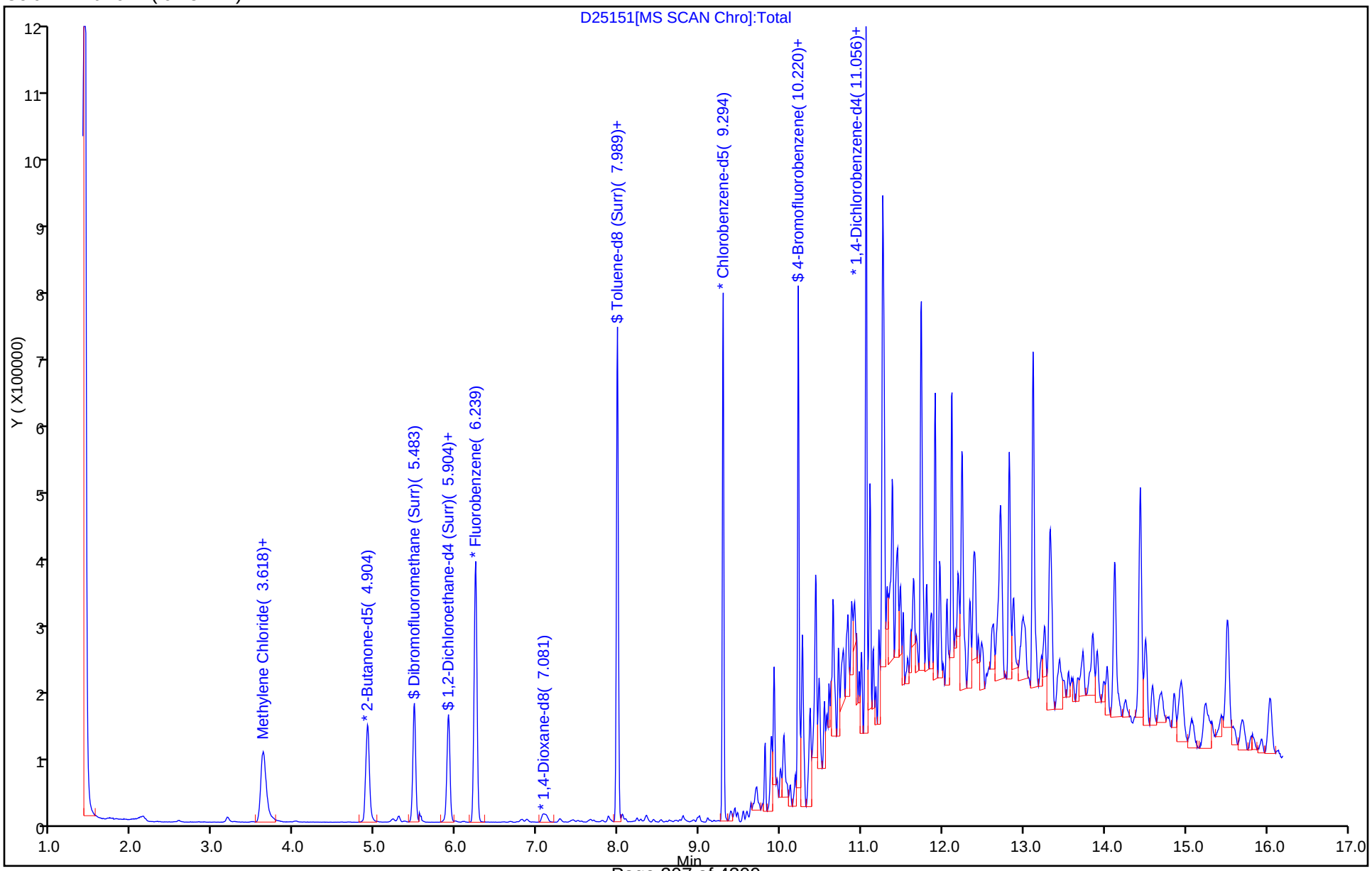
Report Date: 23-Aug-2016 19:15:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25151.D

Injection Date:	21-Aug-2016 13:20:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-7-A	Lab Sample ID:	460-118857-7	Worklist Smp#:	18
Client ID:	SB-4 (3-5) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



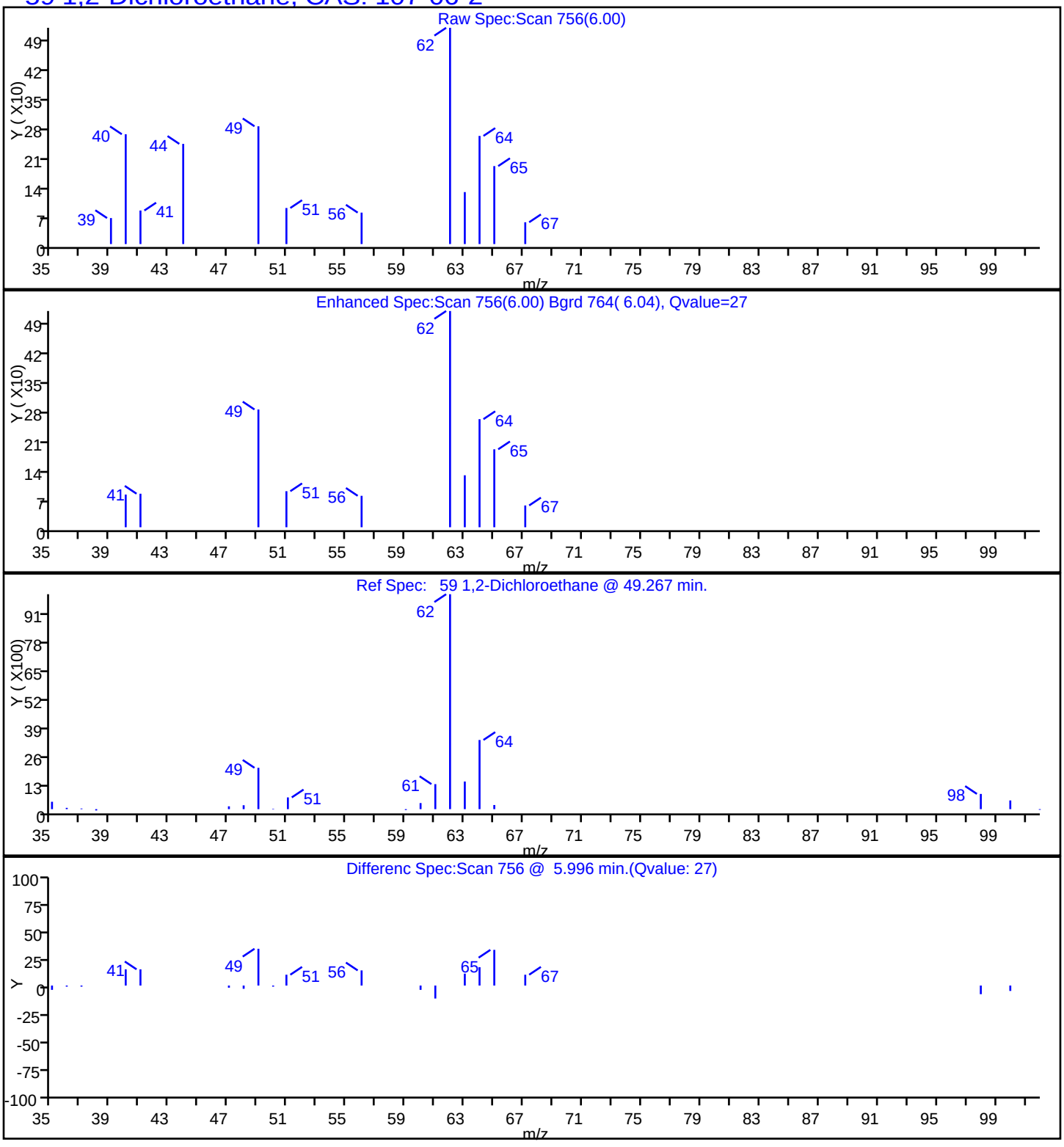
Report Date: 23-Aug-2016 19:15:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25151.D

Injection Date:	21-Aug-2016 13:20:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

59 1,2-Dichloroethane, CAS: 107-06-2



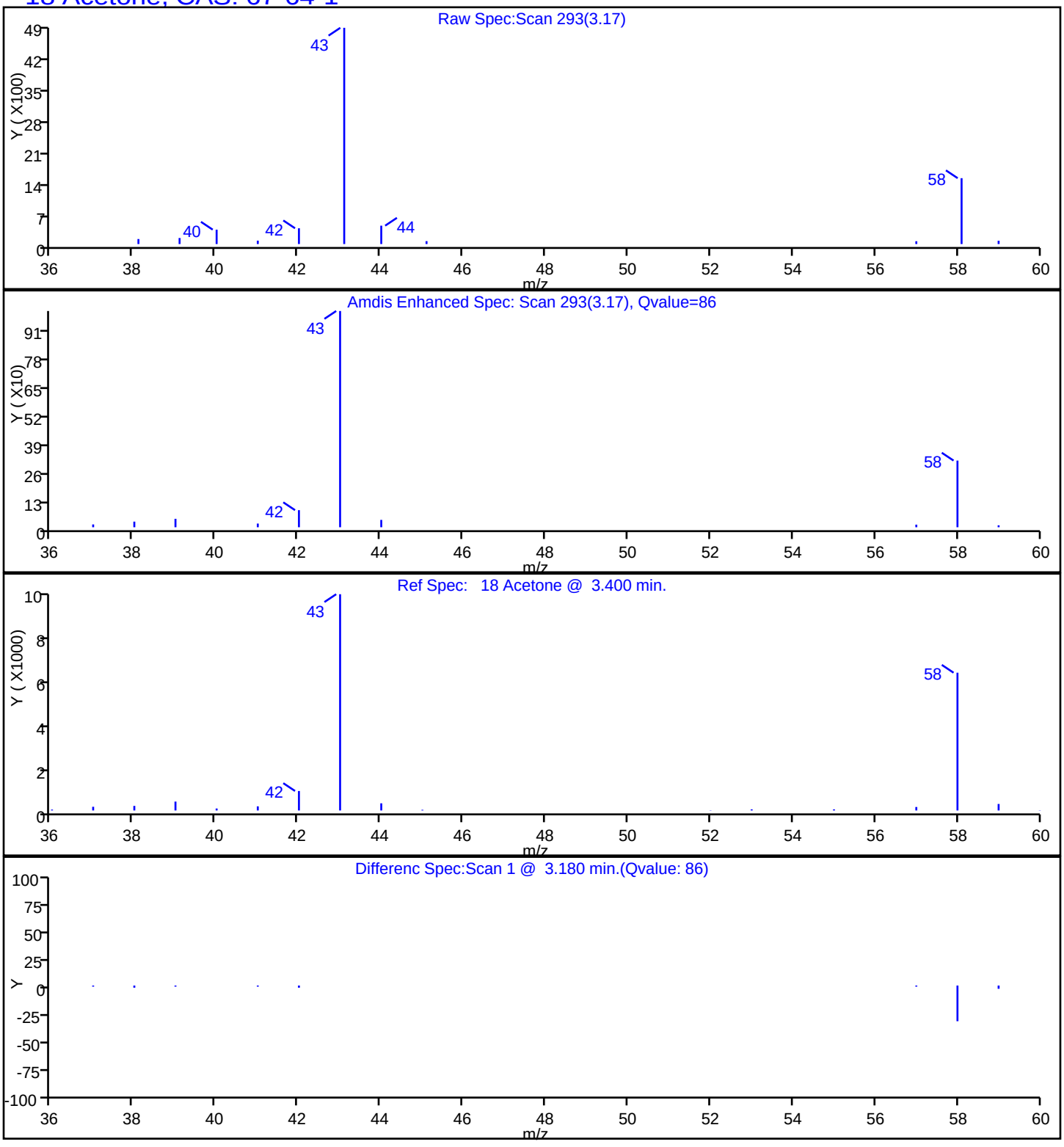
Report Date: 23-Aug-2016 19:15:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25151.D

Injection Date:	21-Aug-2016 13:20:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-7-A	Lab Sample ID:	460-118857-7
Client ID:	SB-4 (3-5) 08182016		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



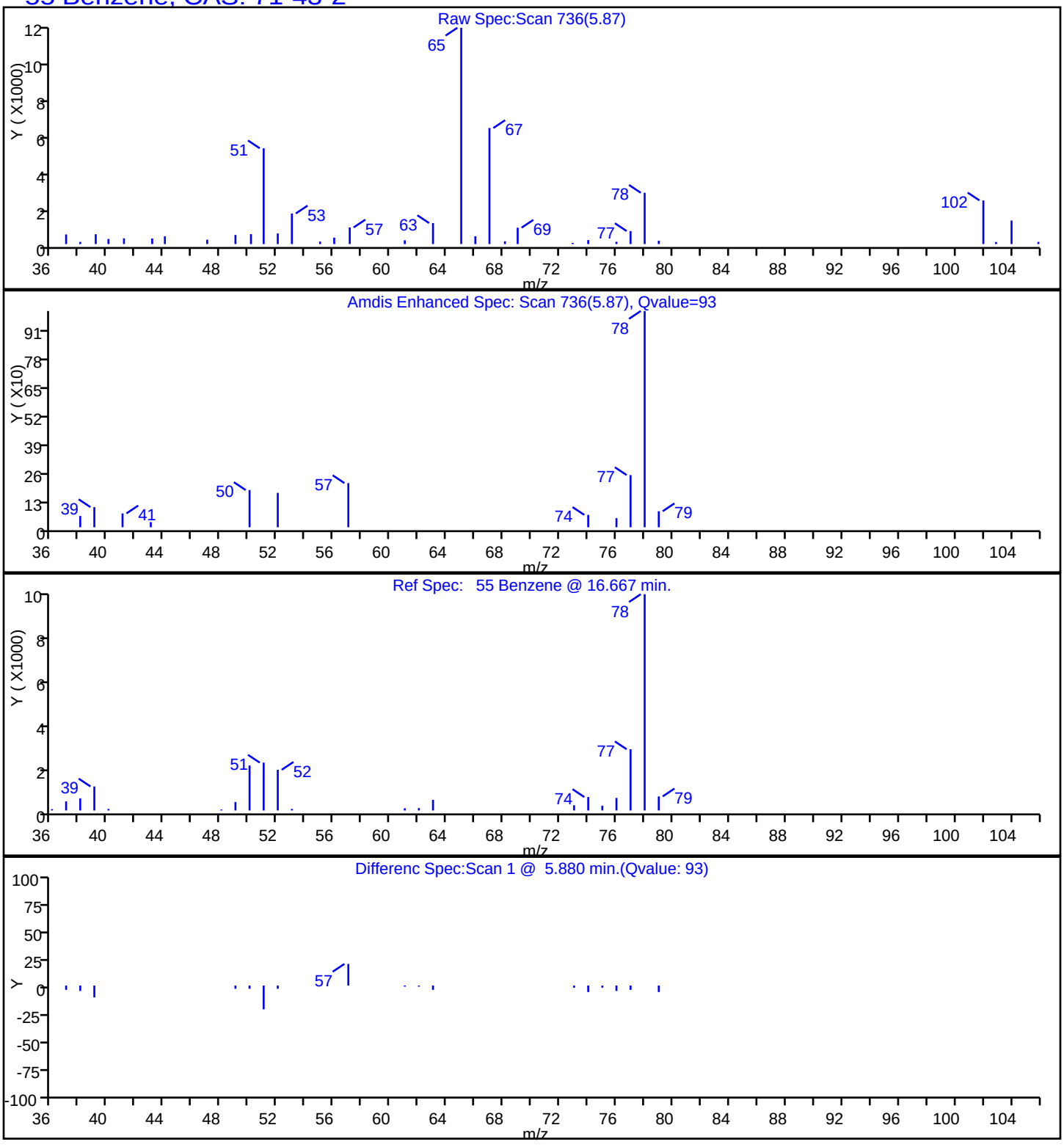
Report Date: 23-Aug-2016 19:15:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25151.D

Injection Date:	21-Aug-2016 13:20:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-7-A	Lab Sample ID:	460-118857-7
Client ID:	SB-4 (3-5) 08182016		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

55 Benzene, CAS: 71-43-2



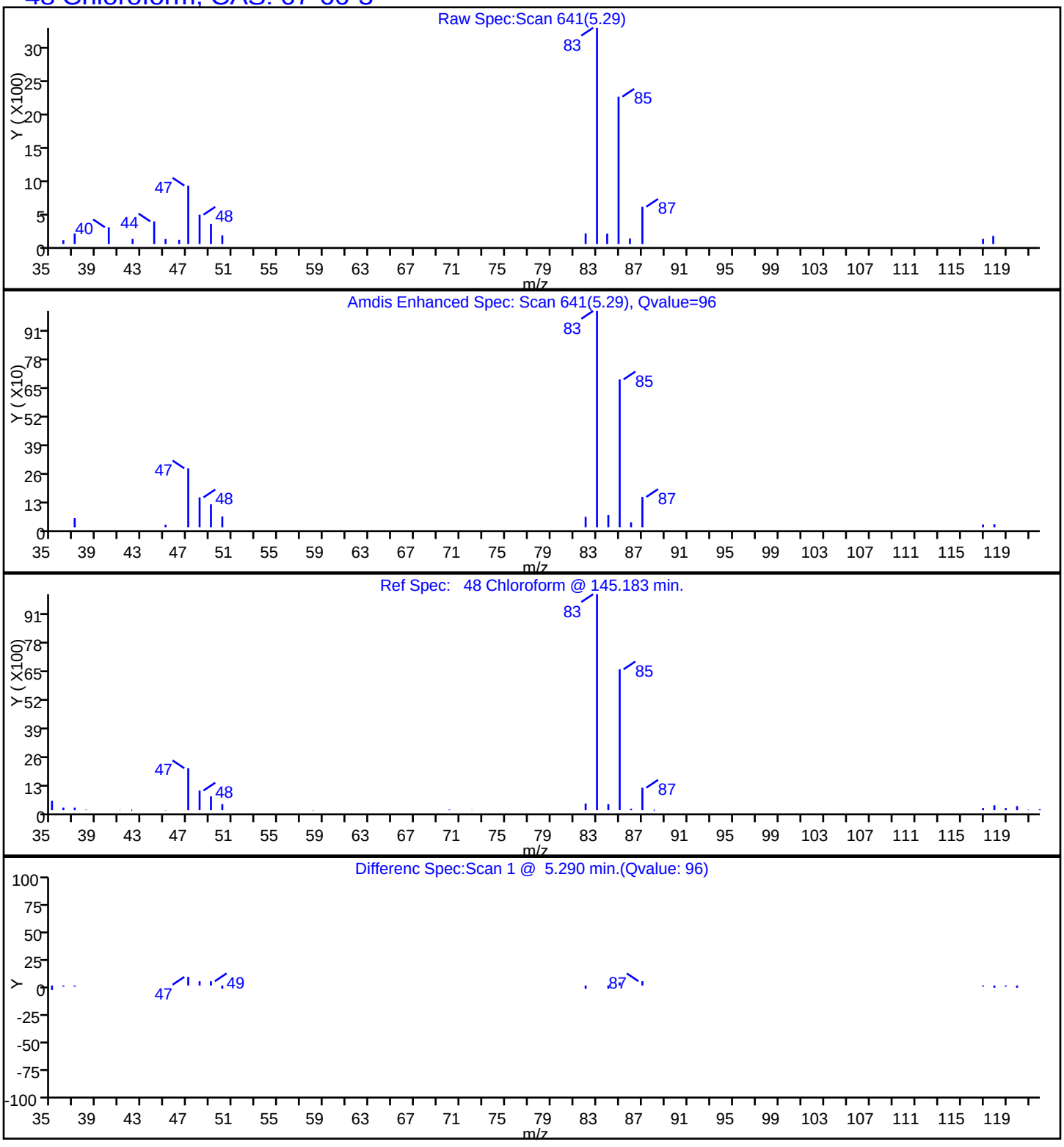
Report Date: 23-Aug-2016 19:15:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25151.D

Injection Date:	21-Aug-2016 13:20:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-7-A	Lab Sample ID:	460-118857-7
Client ID:	SB-4 (3-5) 08182016		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

48 Chloroform, CAS: 67-66-3



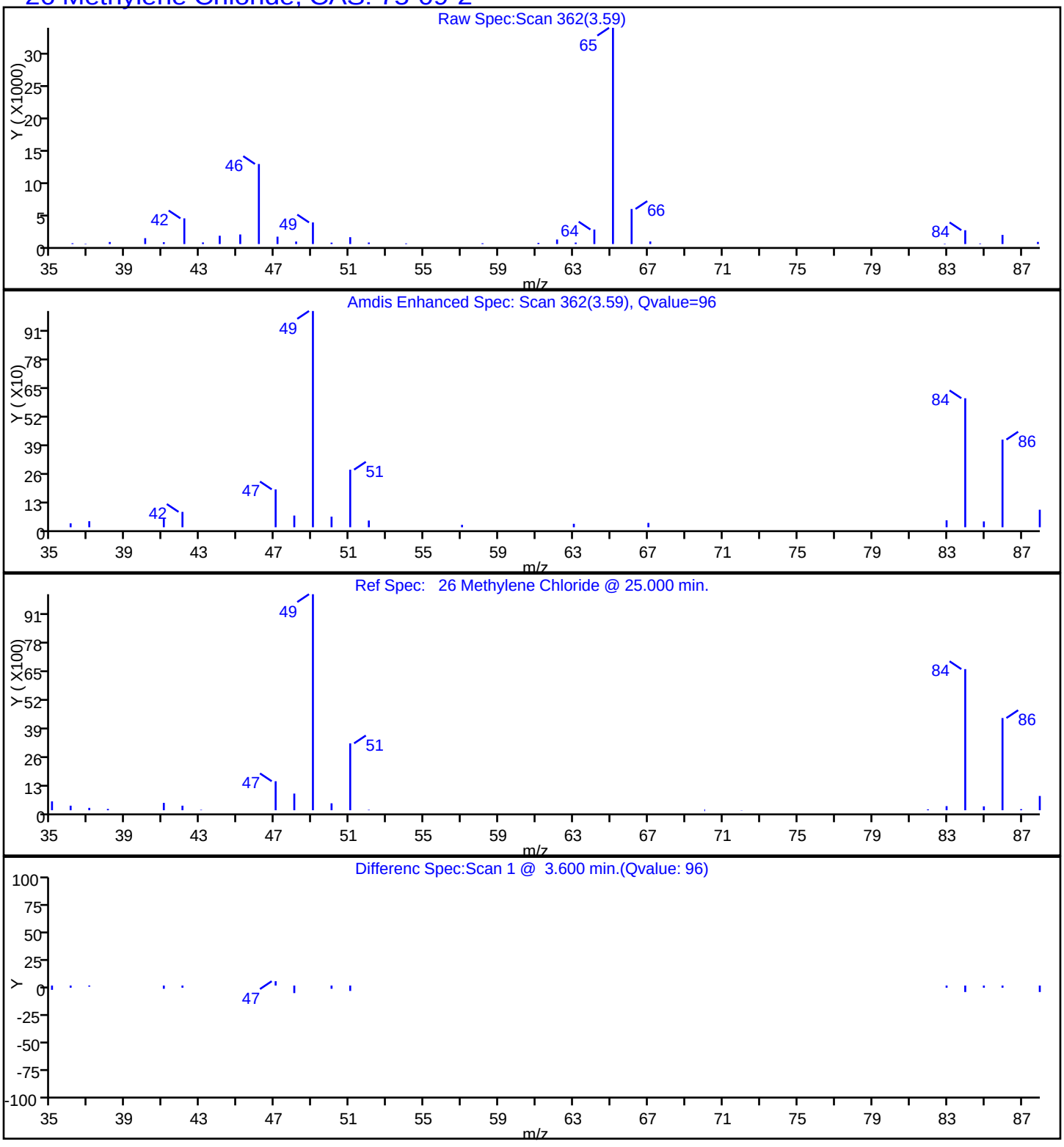
Report Date: 23-Aug-2016 19:15:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25151.D

Injection Date:	21-Aug-2016 13:20:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-7-A	Lab Sample ID:	460-118857-7
Client ID:	SB-4 (3-5) 08182016		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



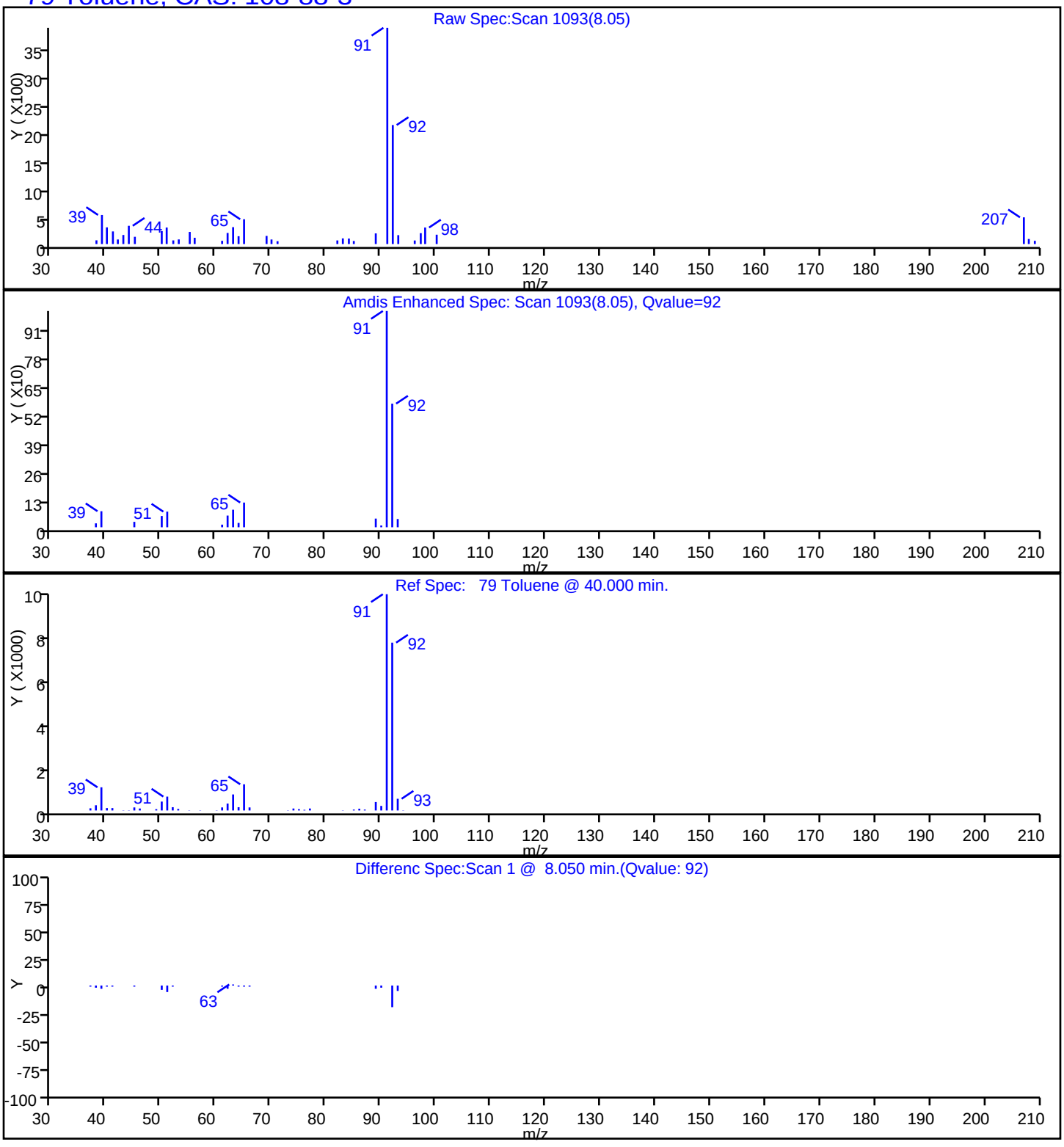
Report Date: 23-Aug-2016 19:15:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25151.D

Injection Date:	21-Aug-2016 13:20:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

79 Toluene, CAS: 108-88-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (11-13) 08182016 | Lab Sample ID: 460-118857-8

Matrix: Solid | Lab File ID: D25152.D

Analysis Method: 8260C | Date Collected: 08/18/2016 11:52

Sample wt/vol: 5.962(g) | Date Analyzed: 08/21/2016 13:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 19.4 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.46
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.29
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.35
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.43
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.49
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.11
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.12
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.14
123-91-1	1,4-Dioxane	21	U	21	6.7
78-93-3	2-Butanone (MEK)	2.9	J	5.2	0.80
591-78-6	2-Hexanone	5.2	U	5.2	0.98
108-10-1	4-Methyl-2-pentanone (MIBK)	5.2	U	5.2	2.3
67-64-1	Acetone	36		5.2	1.1
75-05-8	Acetonitrile	10	U	10	4.2
107-02-8	Acrolein	100	U	100	16
71-43-2	Benzene	1.0	U	1.0	0.21
75-25-2	Bromoform	1.0	U	1.0	0.14
74-83-9	Bromomethane	1.0	U	1.0	0.33
75-15-0	Carbon disulfide	1.0	U	1.0	0.45
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.45
108-90-7	Chlorobenzene	1.0	U	1.0	0.15
74-97-5	Chlorobromomethane	1.0	U	1.0	0.18
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.16
75-00-3	Chloroethane	1.0	U	1.0	0.36
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.23
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.48

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (11-13) 08182016 | Lab Sample ID: 460-118857-8

Matrix: Solid | Lab File ID: D25152.D

Analysis Method: 8260C | Date Collected: 08/18/2016 11:52

Sample wt/vol: 5.962(g) | Date Analyzed: 08/21/2016 13:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 19.4 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.40
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.33
100-41-4	Ethylbenzene	1.0	U	1.0	0.19
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.12
98-82-8	Isopropylbenzene	1.0	U	1.0	0.18
79-20-9	Methyl acetate	5.2	U	5.2	0.94
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.18
108-87-2	Methylcyclohexane	1.0	U	1.0	0.52
75-09-2	Methylene Chloride	1.9		1.0	0.33
179601-23-1	m-Xylene & p-Xylene	0.37	J	1.0	0.11
95-47-6	o-Xylene	0.25	J	1.0	0.17
100-42-5	Styrene	1.0	U	1.0	0.16
75-65-0	TBA	10	U	10	3.6
127-18-4	Tetrachloroethene	1.0	U	1.0	0.29
108-88-3	Toluene	0.30	J	1.0	0.20
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.41
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10
79-01-6	Trichloroethene	0.51	J	1.0	0.27
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.35
75-01-4	Vinyl chloride	1.0	U	1.0	0.41

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		78-135
460-00-4	4-Bromofluorobenzene	89		67-126
1868-53-7	Dibromofluoromethane (Surr)	90		61-149
2037-26-5	Toluene-d8 (Surr)	96		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D
Lims ID: 460-118857-B-8-A
Client ID: SB-4 (11-13) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 13:45:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-8-A
Misc. Info.: 460-0044684-019
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:40:05 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: martineze Date: 22-Aug-2016 11:14:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.179	3.173	0.006	86	42780	34.3	
26 Methylene Chloride	84	3.600	3.594	0.006	98	6679	1.78	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	41	285655	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	303414	250.0	
41 2-Butanone (MEK)	72	4.978	4.972	0.006	85	1216	2.82	
$ 51 Dibromofluoromethane (Surr	113	5.484	5.478	0.006	96	128066	45.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	97	144124	50.2	
* 61 Fluorobenzene	96	6.239	6.234	0.005	98	477123	50.0	
63 Trichloroethene	95	6.678	6.666	0.012	91	1592	0.4856	
* 67 1,4-Dioxane-d8	96	7.075	7.063	0.012	0	19262	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	449338	47.8	
79 Toluene	91	8.050	8.050	0.000	93	3704	0.2856	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	344763	50.0	
93 m-Xylene & p-Xylene	106	9.471	9.477	-0.006	97	1864	0.3525	
95 o-Xylene	106	9.794	9.794	0.000	91	1282	0.2416	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	89	130632	44.3	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	169947	50.0	

Reagents:

8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

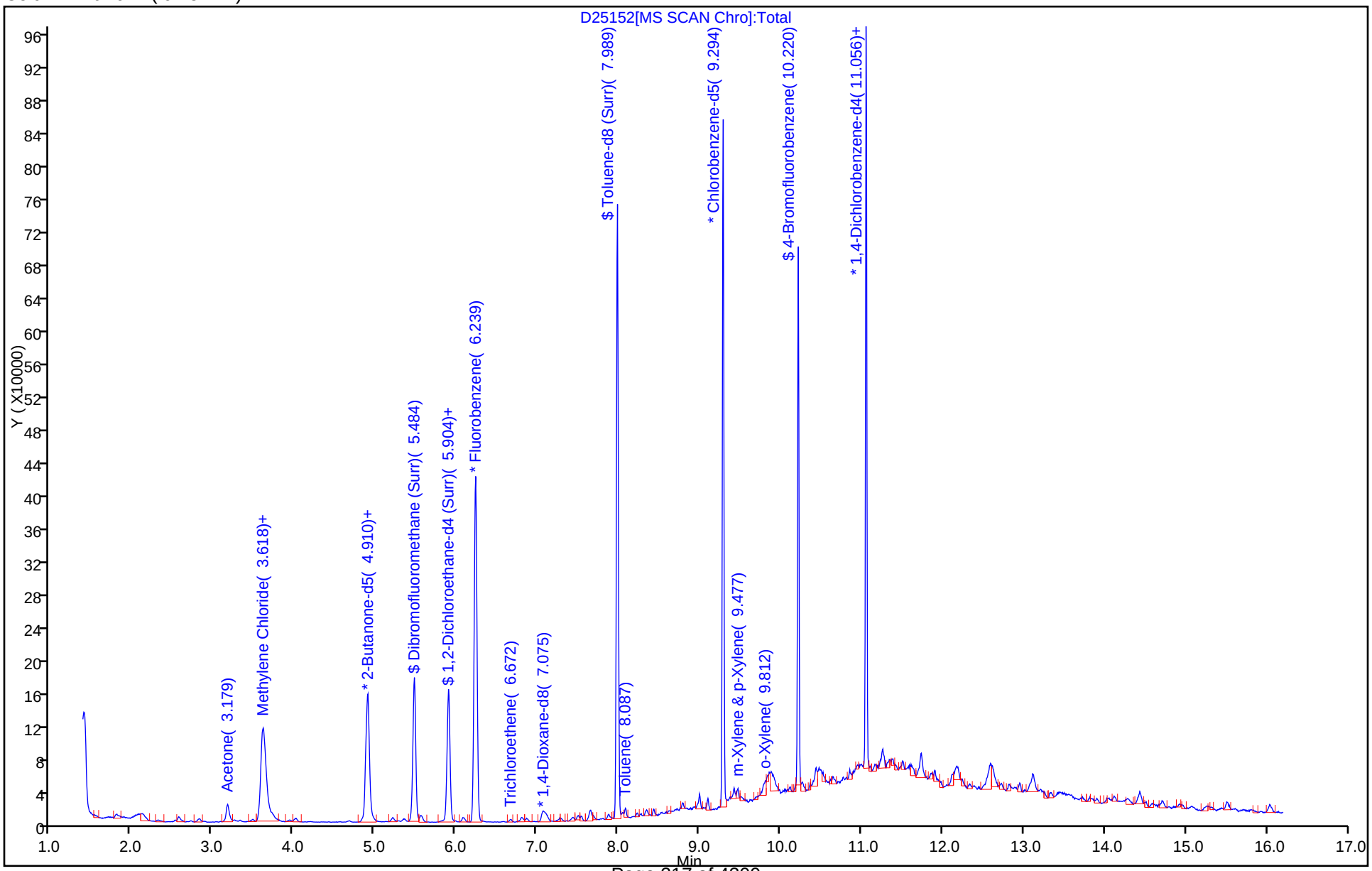
Report Date: 23-Aug-2016 19:40:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D

Injection Date:	21-Aug-2016 13:45:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-8-A	Lab Sample ID:	460-118857-8	Worklist Smp#:	19
Client ID:	SB-4 (11-13) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



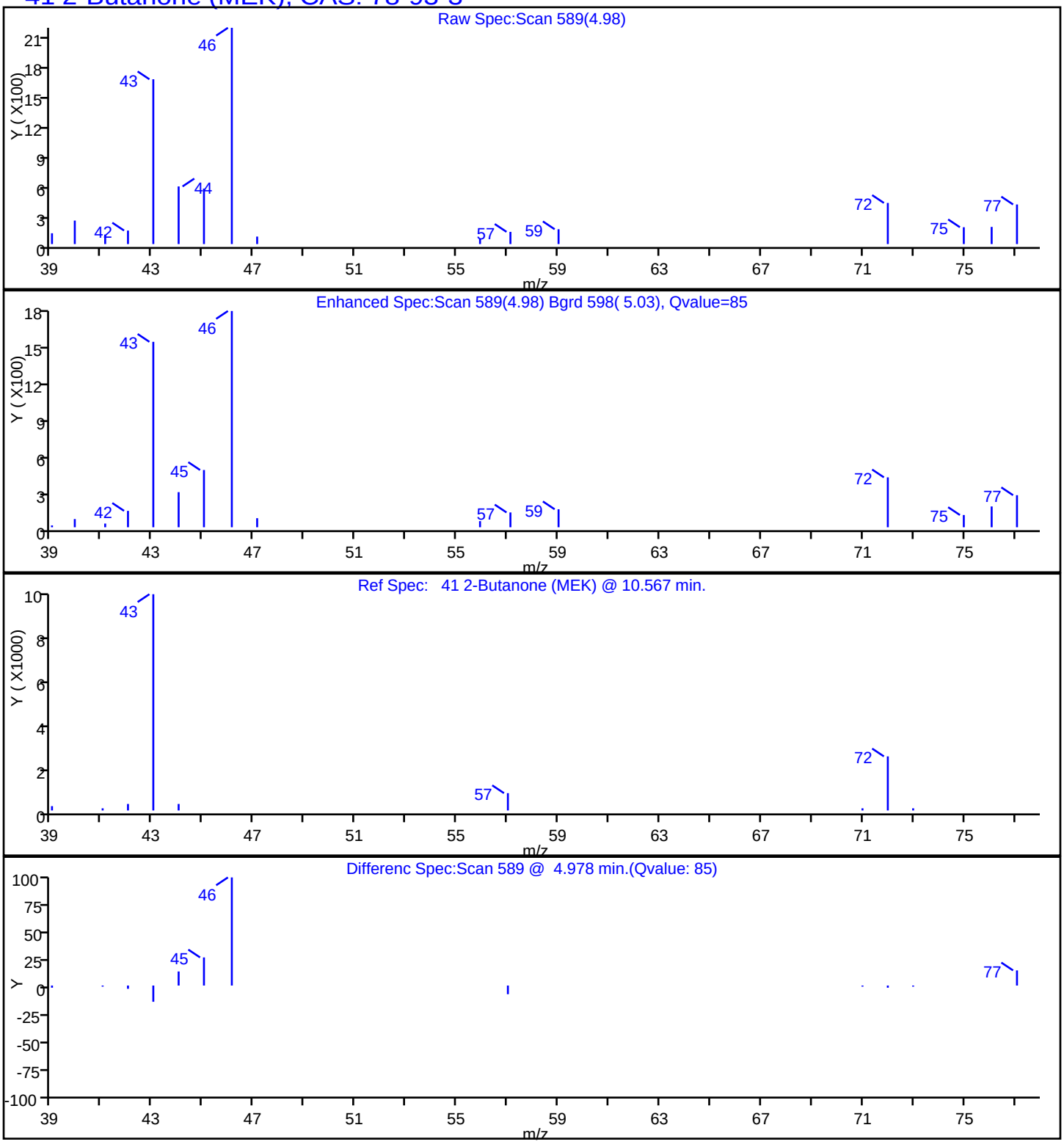
Report Date: 23-Aug-2016 19:40:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D

Injection Date:	21-Aug-2016 13:45:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



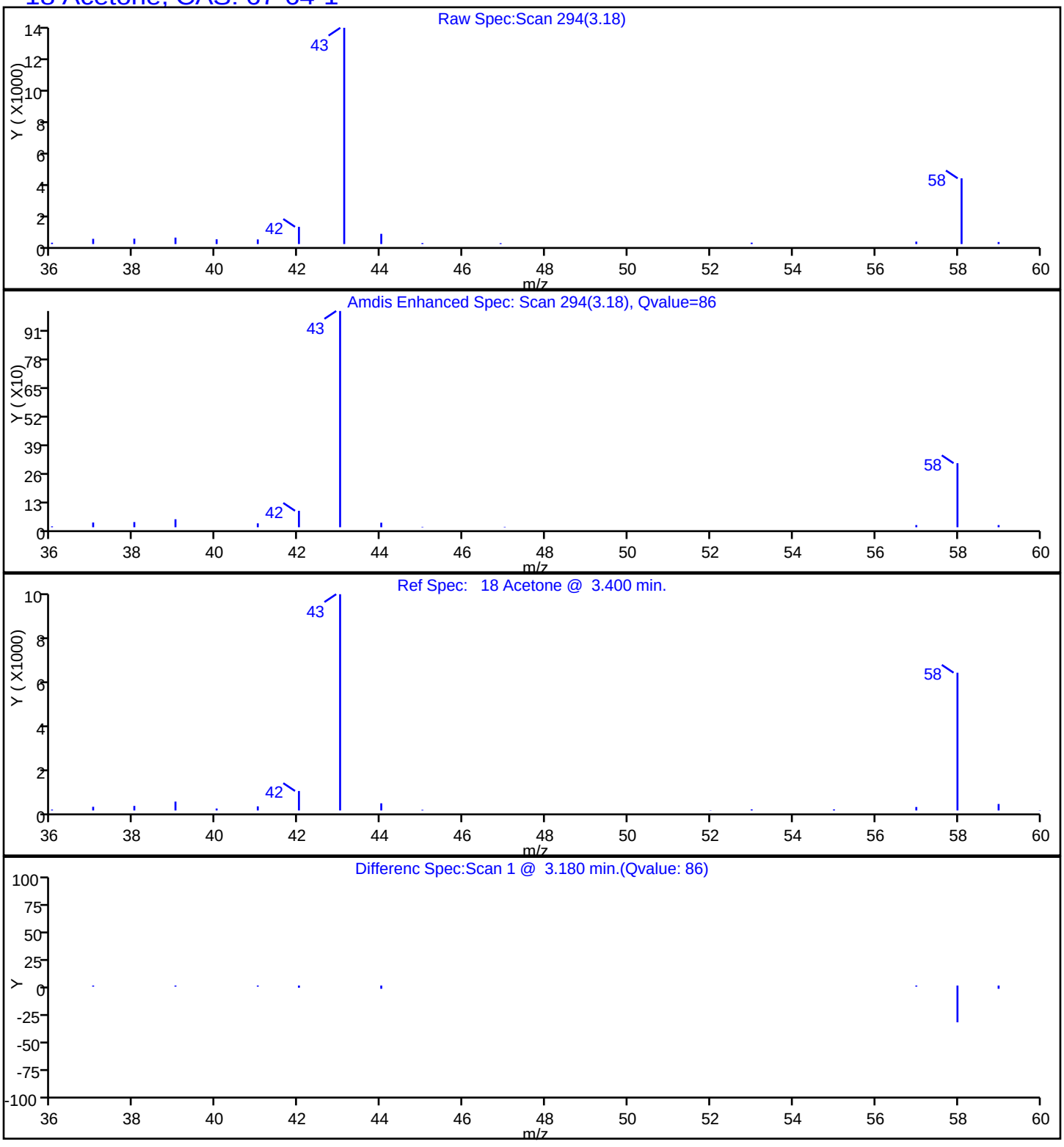
Report Date: 23-Aug-2016 19:40:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D

Injection Date:	21-Aug-2016 13:45:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-8-A	Lab Sample ID:	460-118857-8
Client ID:	SB-4 (11-13) 08182016		
Operator ID:		ALS Bottle#:	18 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



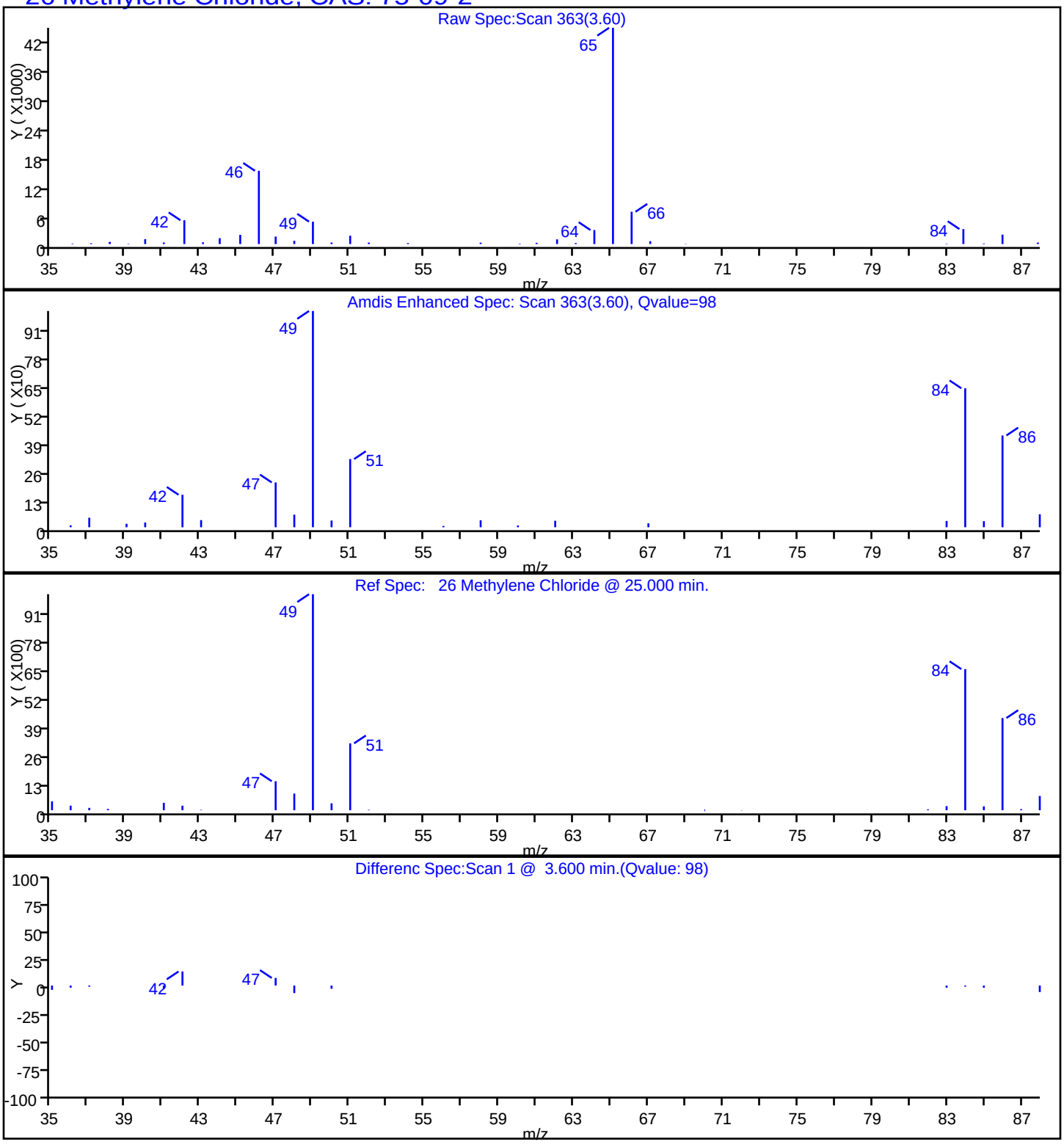
Report Date: 23-Aug-2016 19:40:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D

Injection Date:	21-Aug-2016 13:45:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-8-A	Lab Sample ID:	460-118857-8
Client ID:	SB-4 (11-13) 08182016		
Operator ID:		ALS Bottle#:	18 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



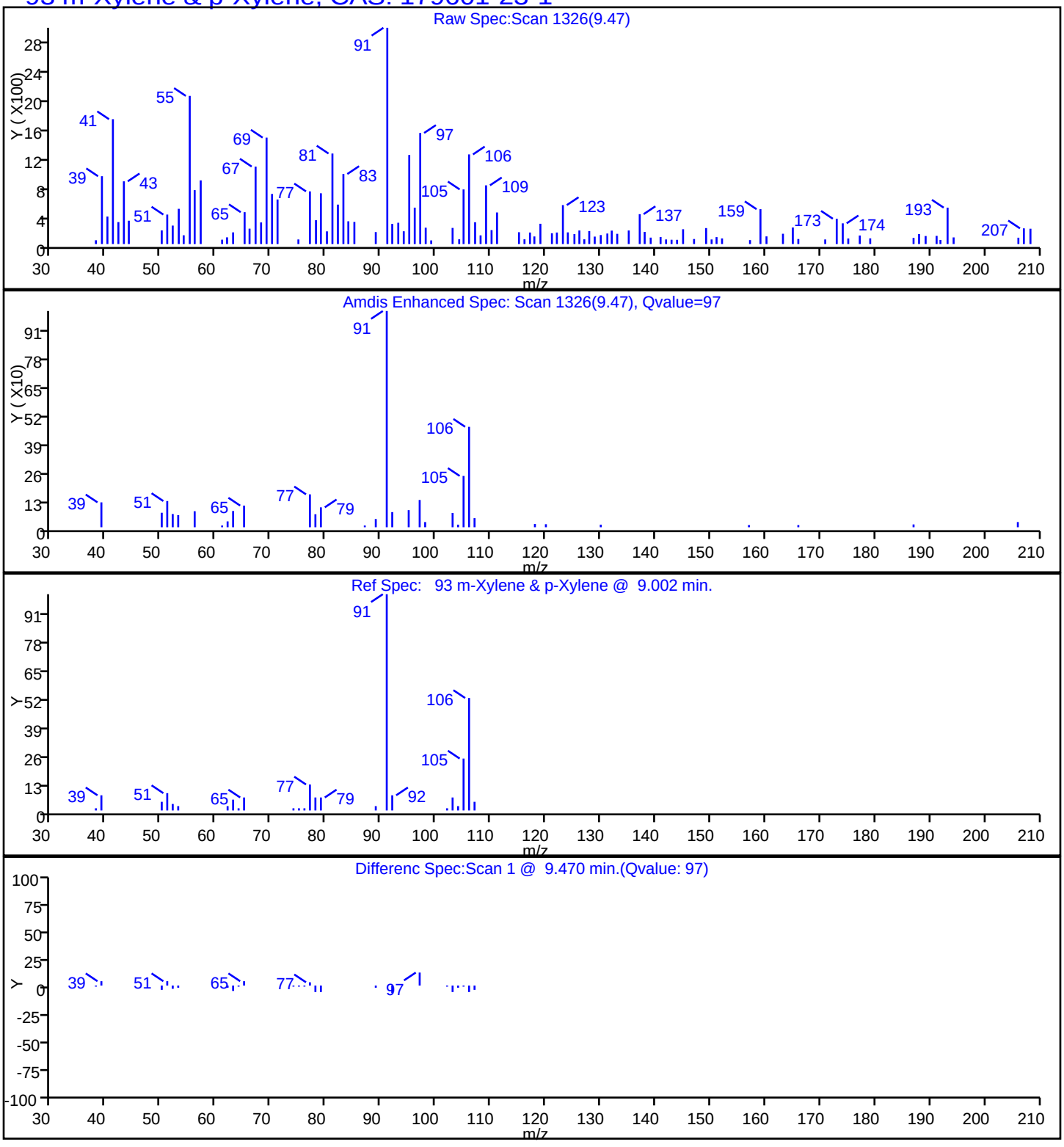
Report Date: 23-Aug-2016 19:40:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D

Injection Date:	21-Aug-2016 13:45:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

93 m-Xylene & p-Xylene, CAS: 179601-23-1



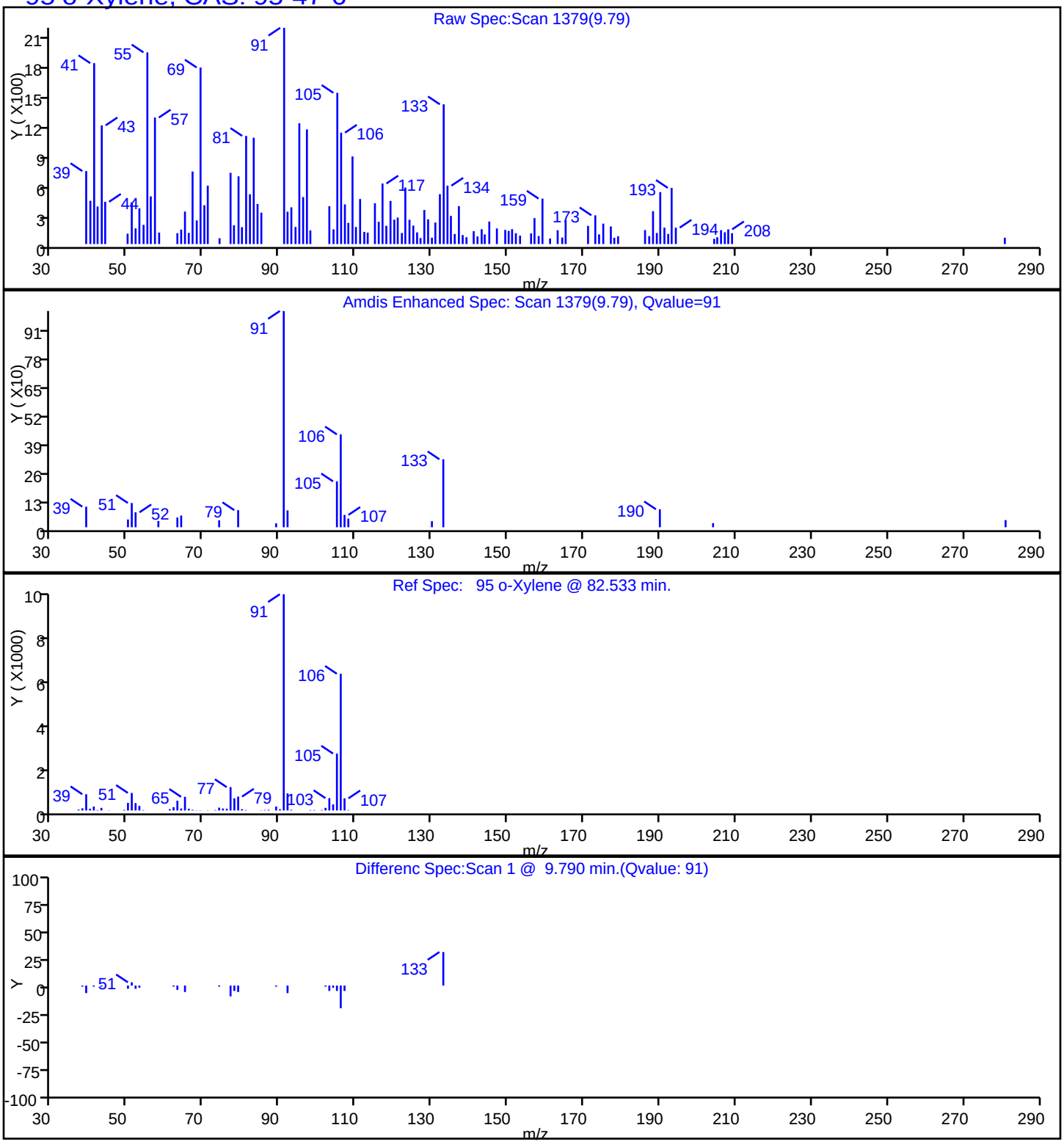
Report Date: 23-Aug-2016 19:40:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D

Injection Date:	21-Aug-2016 13:45:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

95 o-Xylene, CAS: 95-47-6



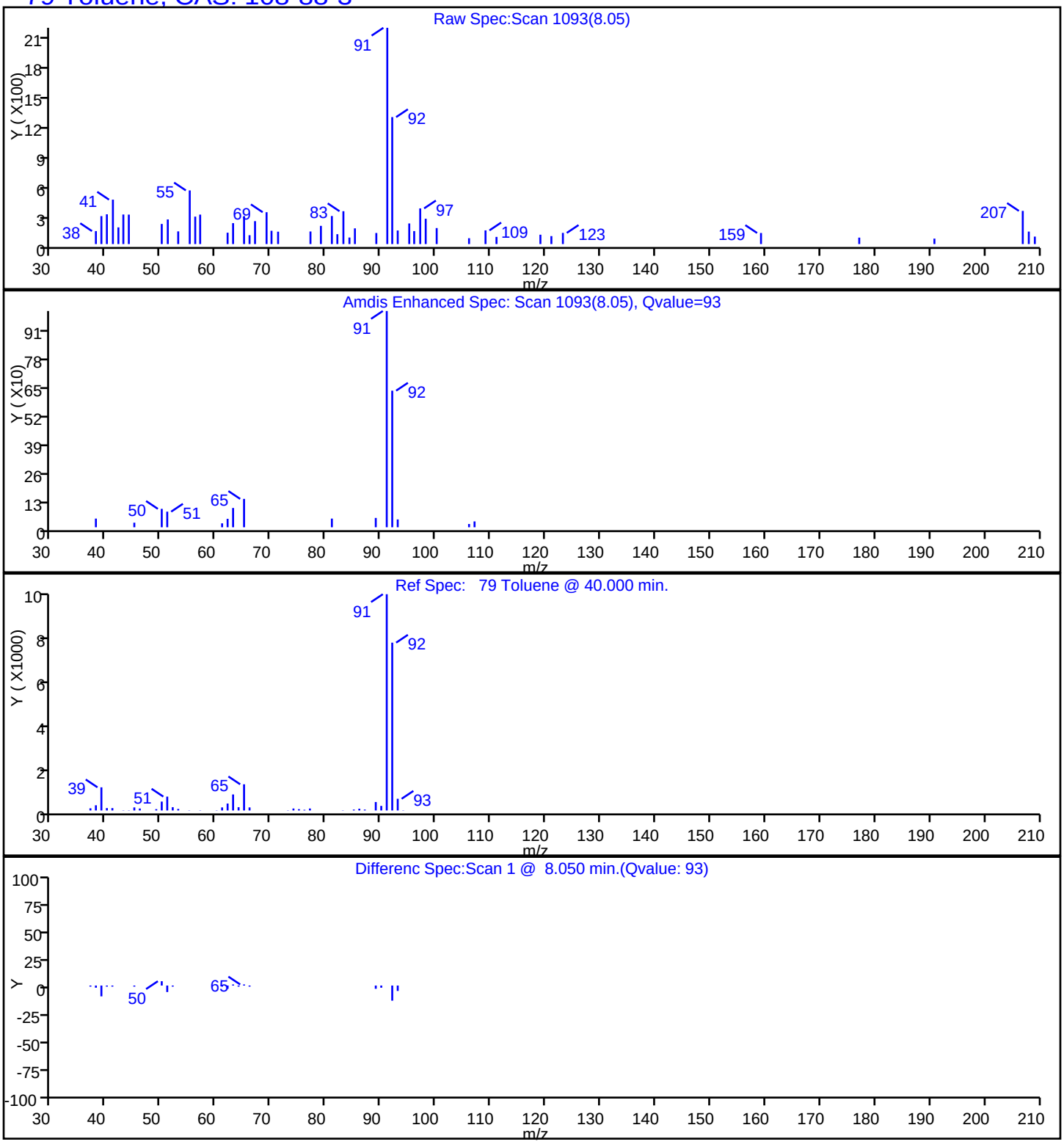
Report Date: 23-Aug-2016 19:40:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D

Injection Date:	21-Aug-2016 13:45:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

79 Toluene, CAS: 108-88-3



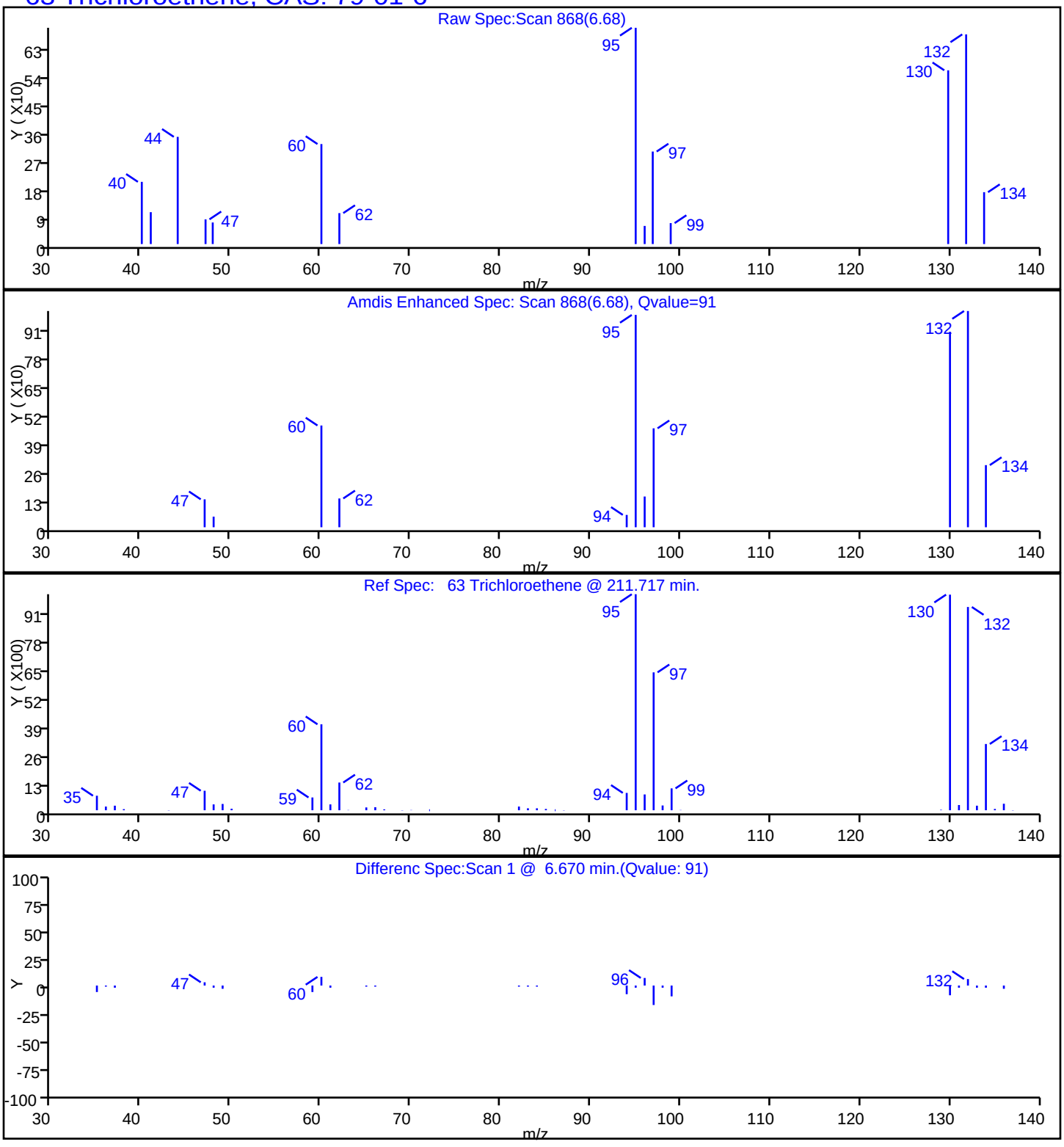
Report Date: 23-Aug-2016 19:40:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25152.D

Injection Date:	21-Aug-2016 13:45:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-8-A	Lab Sample ID:	460-118857-8
Client ID:	SB-4 (11-13) 08182016		
Operator ID:		ALS Bottle#:	18 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (2-4) 08182016 | Lab Sample ID: 460-118857-9

Matrix: Solid | Lab File ID: D25153.D

Analysis Method: 8260C | Date Collected: 08/18/2016 12:33

Sample wt/vol: 6.052(g) | Date Analyzed: 08/21/2016 14:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 6.3 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	0.33
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	U	0.88	0.39
79-00-5	1,1,2-Trichloroethane	0.88	U	0.88	0.25
75-34-3	1,1-Dichloroethane	0.88	U	0.88	0.30
75-35-4	1,1-Dichloroethene	0.88	U	0.88	0.36
87-61-6	1,2,3-Trichlorobenzene	0.88	U	0.88	0.097
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	0.88	U	0.88	0.41
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	0.12
107-06-2	1,2-Dichloroethane	0.88	U	0.88	0.097
78-87-5	1,2-Dichloropropane	0.88	U	0.88	0.15
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	0.11
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	0.11
123-91-1	1,4-Dioxane	18	U	18	5.6
78-93-3	2-Butanone (MEK)	1.4	J	4.4	0.68
591-78-6	2-Hexanone	4.4	U	4.4	0.83
108-10-1	4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	2.0
67-64-1	Acetone	27		4.4	0.93
75-05-8	Acetonitrile	8.8	U	8.8	3.6
107-02-8	Acrolein	88	U	88	14
71-43-2	Benzene	0.88	U	0.88	0.18
75-25-2	Bromoform	0.88	U	0.88	0.11
74-83-9	Bromomethane	0.88	U	0.88	0.28
75-15-0	Carbon disulfide	0.88	U	0.88	0.38
56-23-5	Carbon tetrachloride	0.88	U	0.88	0.38
108-90-7	Chlorobenzene	0.88	U	0.88	0.12
74-97-5	Chlorobromomethane	0.88	U	0.88	0.15
124-48-1	Chlorodibromomethane	0.88	U	0.88	0.13
75-00-3	Chloroethane	0.88	U	0.88	0.31
67-66-3	Chloroform	0.88	U	0.88	0.19
74-87-3	Chloromethane	0.88	U	0.88	0.33
156-59-2	cis-1,2-Dichloroethene	0.88	U	0.88	0.19
10061-01-5	cis-1,3-Dichloropropene	0.88	U	0.88	0.13
110-82-7	Cyclohexane	0.88	U	0.88	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (2-4) 08182016 | Lab Sample ID: 460-118857-9

Matrix: Solid | Lab File ID: D25153.D

Analysis Method: 8260C | Date Collected: 08/18/2016 12:33

Sample wt/vol: 6.052(g) | Date Analyzed: 08/21/2016 14:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 6.3 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.88	U	0.88	0.33
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	0.28
100-41-4	Ethylbenzene	0.88	U	0.88	0.16
106-93-4	Ethylene Dibromide	0.88	U	0.88	0.11
98-82-8	Isopropylbenzene	0.88	U	0.88	0.15
79-20-9	Methyl acetate	4.4	U	4.4	0.79
1634-04-4	Methyl tert-butyl ether	0.88	U	0.88	0.15
108-87-2	Methylcyclohexane	0.88	U	0.88	0.44
75-09-2	Methylene Chloride	1.1		0.88	0.28
179601-23-1	m-Xylene & p-Xylene	0.88	U	0.88	0.097
95-47-6	o-Xylene	0.88	U	0.88	0.14
100-42-5	Styrene	0.88	U	0.88	0.13
75-65-0	TBA	8.8	U	8.8	3.1
127-18-4	Tetrachloroethene	0.88	U	0.88	0.25
108-88-3	Toluene	0.88	U	0.88	0.17
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	0.34
10061-02-6	trans-1,3-Dichloropropene	0.88	U	0.88	0.088
79-01-6	Trichloroethene	0.88	U	0.88	0.23
75-69-4	Trichlorofluoromethane	0.88	U	0.88	0.30
75-01-4	Vinyl chloride	0.88	U	0.88	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		78-135
460-00-4	4-Bromofluorobenzene	84		67-126
1868-53-7	Dibromofluoromethane (Surr)	93		61-149
2037-26-5	Toluene-d8 (Surr)	96		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25153.D
Lims ID: 460-118857-B-9-A
Client ID: SB-6 (2-4) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 14:10:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-9-A
Misc. Info.: 460-0044684-020
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:40:11 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: martineze Date: 22-Aug-2016 11:15:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.173	0.000	86	41366	30.2	
26 Methylene Chloride	84	3.588	3.594	-0.006	96	4947	1.29	
* 27 TBA-d9 (IS)	65	3.612	3.618	-0.006	40	299486	1000.0	
* 38 2-Butanone-d5	46	4.905	4.905	0.000	0	327702	250.0	
41 2-Butanone (MEK)	72	4.966	4.972	-0.006	97	761	1.63	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.478	0.000	96	136091	46.7	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	97	154259	52.5	
* 61 Fluorobenzene	96	6.240	6.234	0.006	98	488358	50.0	
* 67 1,4-Dioxane-d8	96	7.069	7.063	0.006	0	17453	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	467673	47.8	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	358952	50.0	
$ 100 4-Bromofluorobenzene	174	10.221	10.221	0.000	89	146065	42.2	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	199686	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

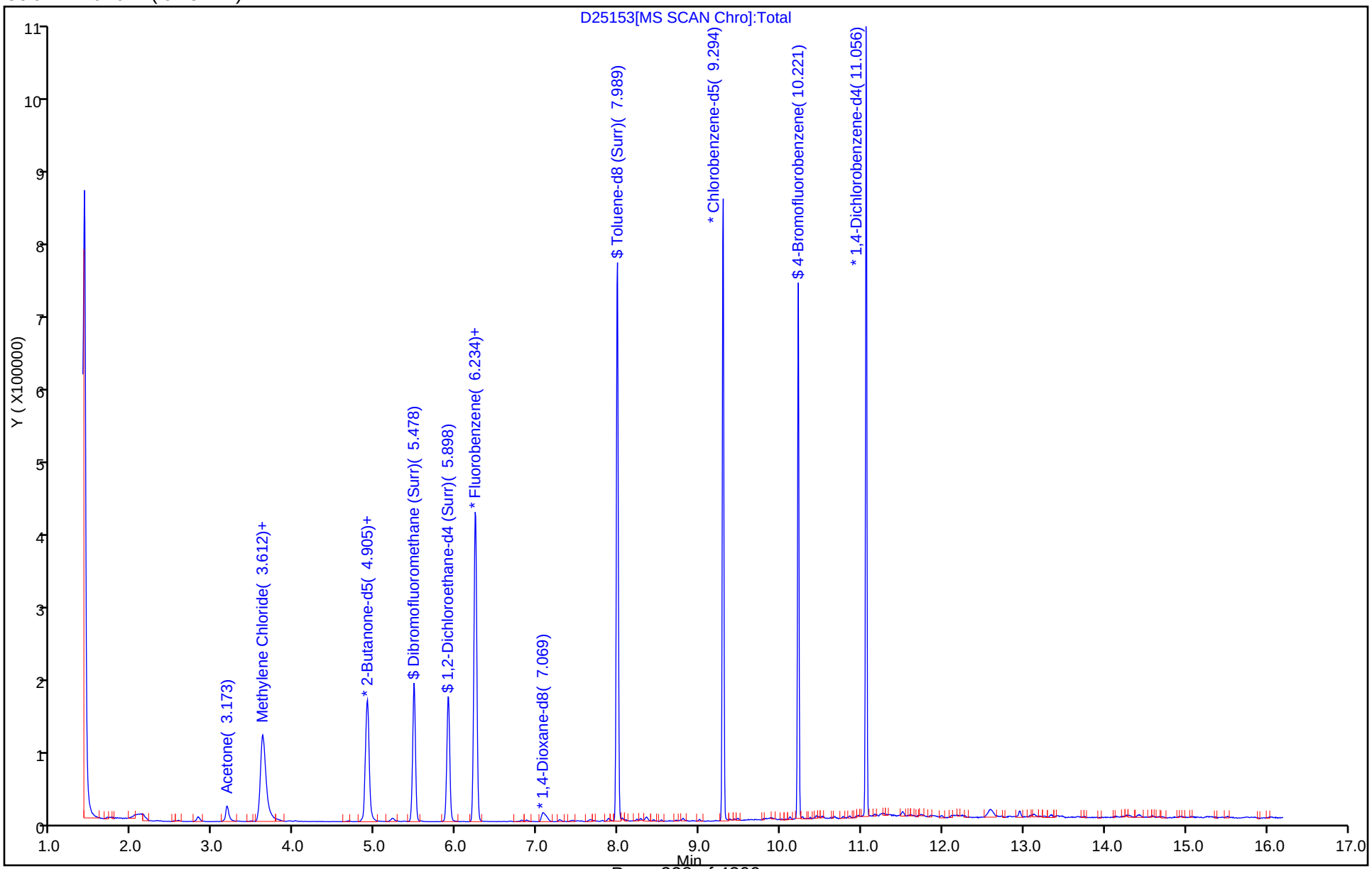
Report Date: 23-Aug-2016 19:40:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25153.D

Injection Date:	21-Aug-2016 14:10:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-9-A	Lab Sample ID:	460-118857-9	Worklist Smp#:	20
Client ID:	SB-6 (2-4) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



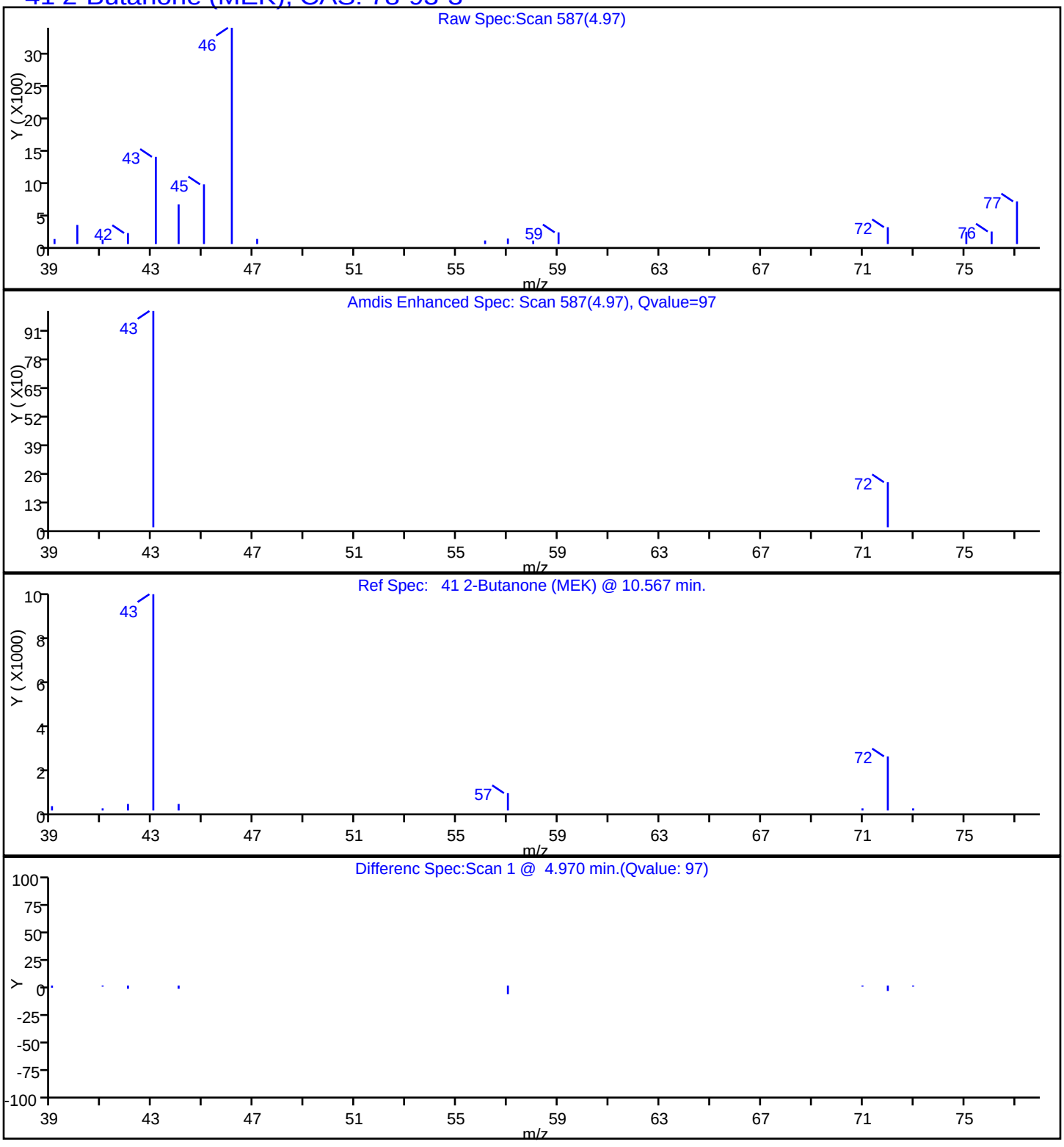
Report Date: 23-Aug-2016 19:40:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25153.D

Injection Date:	21-Aug-2016 14:10:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



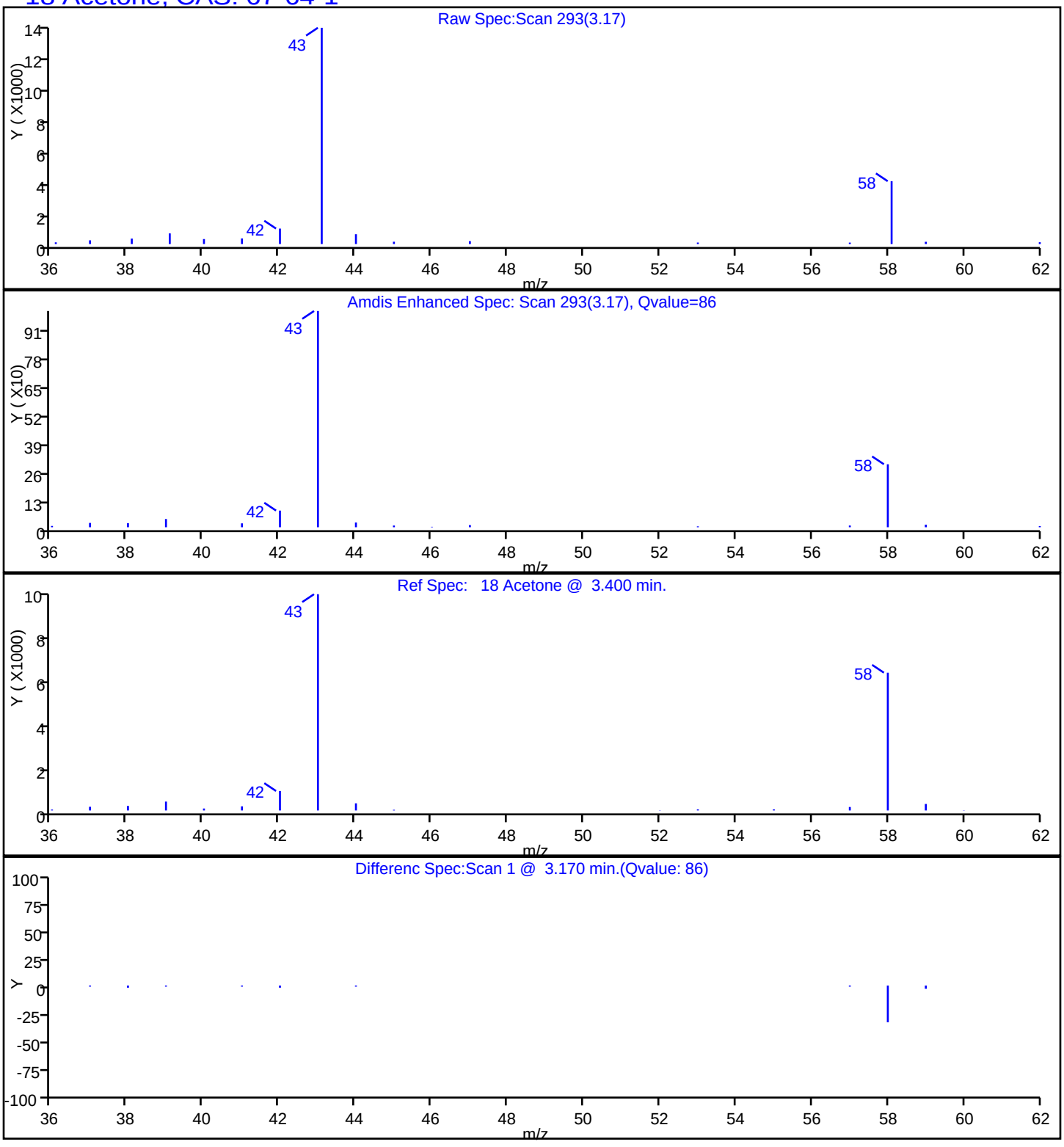
Report Date: 23-Aug-2016 19:40:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25153.D

Injection Date:	21-Aug-2016 14:10:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



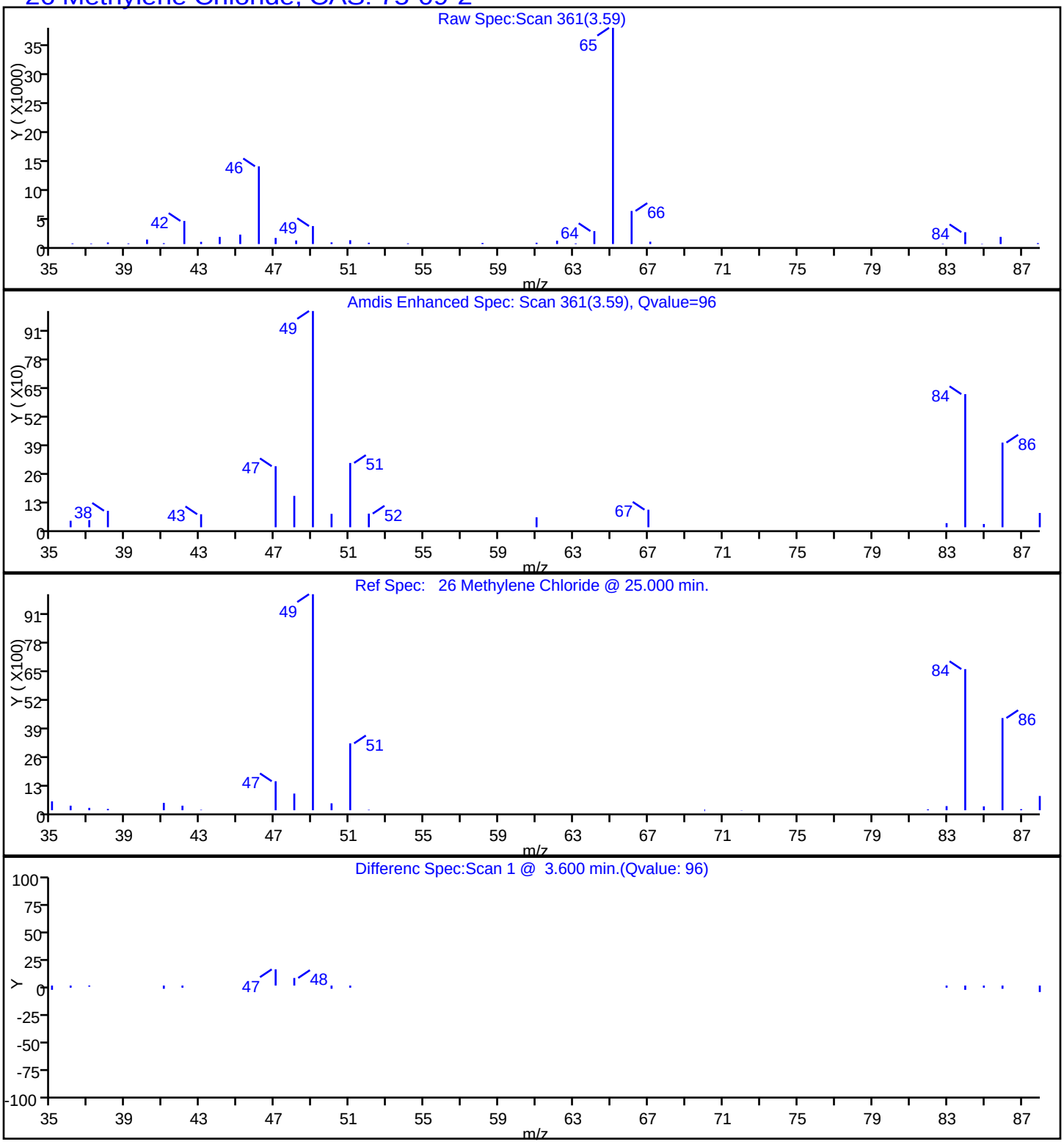
Report Date: 23-Aug-2016 19:40:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25153.D

Injection Date:	21-Aug-2016 14:10:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-9-A	Lab Sample ID:	460-118857-9
Client ID:	SB-6 (2-4) 08182016		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (13-15) 08182016 | Lab Sample ID: 460-118857-10

Matrix: Solid | Lab File ID: D25154.D

Analysis Method: 8260C | Date Collected: 08/18/2016 12:55

Sample wt/vol: 5.952(g) | Date Analyzed: 08/21/2016 14:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 4.1 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	0.33
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	U	0.88	0.39
79-00-5	1,1,2-Trichloroethane	0.88	U	0.88	0.25
75-34-3	1,1-Dichloroethane	0.88	U	0.88	0.30
75-35-4	1,1-Dichloroethene	0.88	U	0.88	0.36
87-61-6	1,2,3-Trichlorobenzene	0.88	U	0.88	0.096
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	0.88	U	0.88	0.41
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	0.12
107-06-2	1,2-Dichloroethane	0.88	U	0.88	0.096
78-87-5	1,2-Dichloropropane	0.88	U	0.88	0.15
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	0.11
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	0.11
123-91-1	1,4-Dioxane	18	U	18	5.6
78-93-3	2-Butanone (MEK)	1.2	J	4.4	0.67
591-78-6	2-Hexanone	4.4	U	4.4	0.82
108-10-1	4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	1.9
67-64-1	Acetone	17		4.4	0.93
75-05-8	Acetonitrile	8.8	U	8.8	3.6
107-02-8	Acrolein	88	U	88	14
71-43-2	Benzene	0.88	U	0.88	0.18
75-25-2	Bromoform	0.88	U	0.88	0.11
74-83-9	Bromomethane	0.88	U	0.88	0.28
75-15-0	Carbon disulfide	0.88	U	0.88	0.38
56-23-5	Carbon tetrachloride	0.88	U	0.88	0.38
108-90-7	Chlorobenzene	0.88	U	0.88	0.12
74-97-5	Chlorobromomethane	0.88	U	0.88	0.15
124-48-1	Chlorodibromomethane	0.88	U	0.88	0.13
75-00-3	Chloroethane	0.88	U	0.88	0.31
67-66-3	Chloroform	0.88	U	0.88	0.18
74-87-3	Chloromethane	0.88	U	0.88	0.33
156-59-2	cis-1,2-Dichloroethene	0.88	U	0.88	0.19
10061-01-5	cis-1,3-Dichloropropene	0.88	U	0.88	0.13
110-82-7	Cyclohexane	0.88	U	0.88	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (13-15) 08182016 | Lab Sample ID: 460-118857-10

Matrix: Solid | Lab File ID: D25154.D

Analysis Method: 8260C | Date Collected: 08/18/2016 12:55

Sample wt/vol: 5.952(g) | Date Analyzed: 08/21/2016 14:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 4.1 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.88	U	0.88	0.33
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	0.28
100-41-4	Ethylbenzene	0.88	U	0.88	0.16
106-93-4	Ethylene Dibromide	0.88	U	0.88	0.11
98-82-8	Isopropylbenzene	0.88	U	0.88	0.15
79-20-9	Methyl acetate	4.4	U	4.4	0.79
1634-04-4	Methyl tert-butyl ether	0.88	U	0.88	0.15
108-87-2	Methylcyclohexane	0.88	U	0.88	0.44
75-09-2	Methylene Chloride	1.3		0.88	0.28
179601-23-1	m-Xylene & p-Xylene	0.88	U	0.88	0.096
95-47-6	o-Xylene	0.88	U	0.88	0.14
100-42-5	Styrene	0.88	U	0.88	0.13
75-65-0	TBA	8.8	U	8.8	3.1
127-18-4	Tetrachloroethene	0.88	U	0.88	0.25
108-88-3	Toluene	0.88	U	0.88	0.17
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	0.34
10061-02-6	trans-1,3-Dichloropropene	0.88	U	0.88	0.088
79-01-6	Trichloroethene	0.88	U	0.88	0.23
75-69-4	Trichlorofluoromethane	0.88	U	0.88	0.30
75-01-4	Vinyl chloride	0.88	U	0.88	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		78-135
460-00-4	4-Bromofluorobenzene	81		67-126
1868-53-7	Dibromofluoromethane (Surr)	89		61-149
2037-26-5	Toluene-d8 (Surr)	92		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25154.D
Lims ID: 460-118857-B-10-A
Client ID: SB-6 (13-15) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 14:35:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-10-A
Misc. Info.: 460-0044684-021
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:40:16 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: martineze Date: 22-Aug-2016 11:16:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.179	3.173	0.006	85	27656	19.4	
26 Methylene Chloride	84	3.600	3.594	0.006	95	5804	1.53	
* 27 TBA-d9 (IS)	65	3.624	3.618	0.006	39	312945	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	316506	250.0	
41 2-Butanone (MEK)	72	4.959	4.972	-0.013	27	598	1.33	
$ 51 Dibromofluoromethane (Surr	113	5.483	5.478	0.005	96	128342	44.5	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	97	147548	50.7	
* 61 Fluorobenzene	96	6.239	6.234	0.005	98	483407	50.0	
* 67 1,4-Dioxane-d8	96	7.081	7.063	0.018	0	23388	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	451683	46.2	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	358879	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	89	140697	40.4	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	200679	50.0	

Reagents:

8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

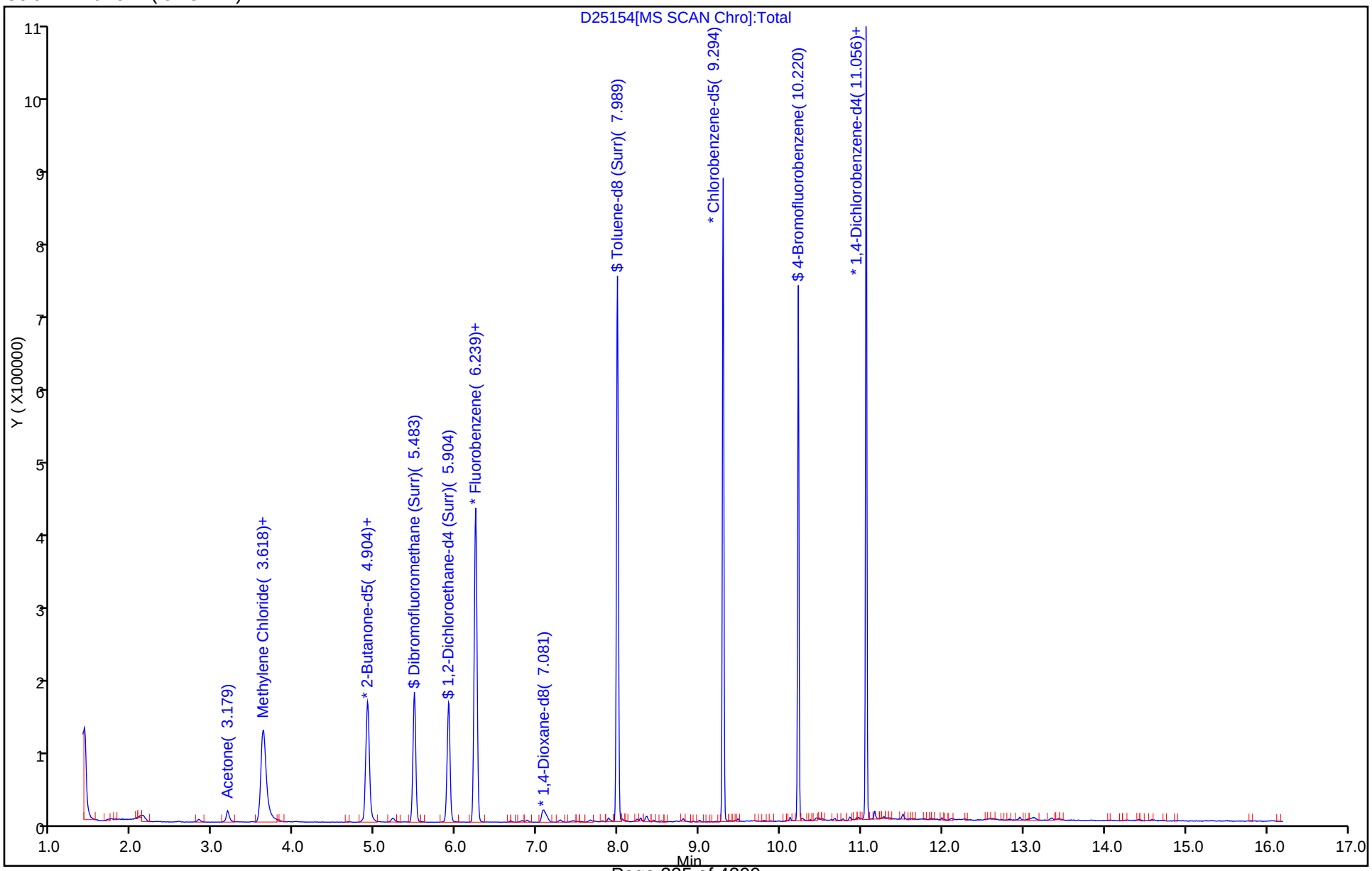
Report Date: 23-Aug-2016 19:40:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25154.D

Injection Date:	21-Aug-2016 14:35:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-10-A	Lab Sample ID:	460-118857-10	Worklist Smp#:	21
Client ID:	SB-6 (13-15) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



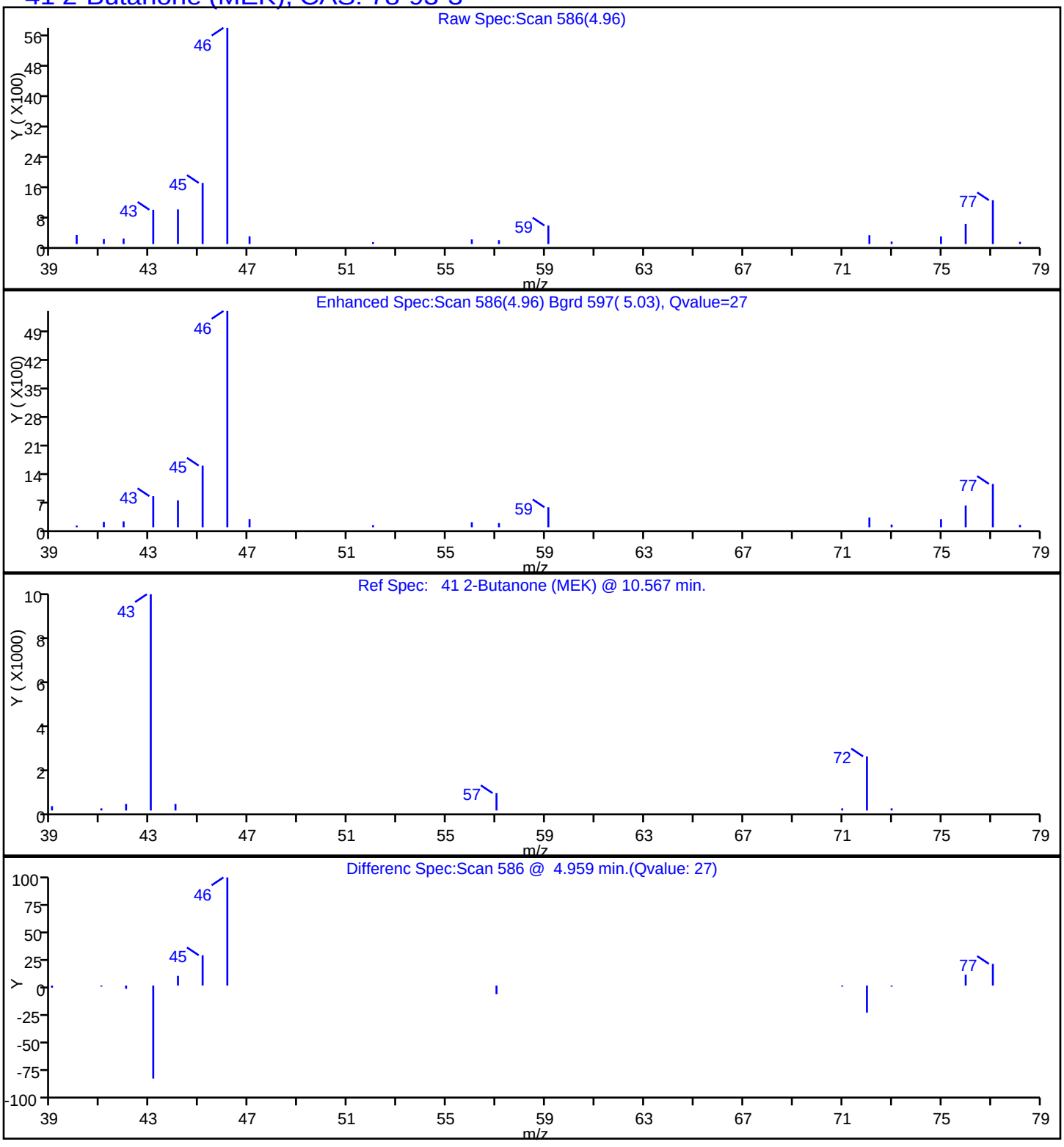
Report Date: 23-Aug-2016 19:40:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25154.D

Injection Date:	21-Aug-2016 14:35:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



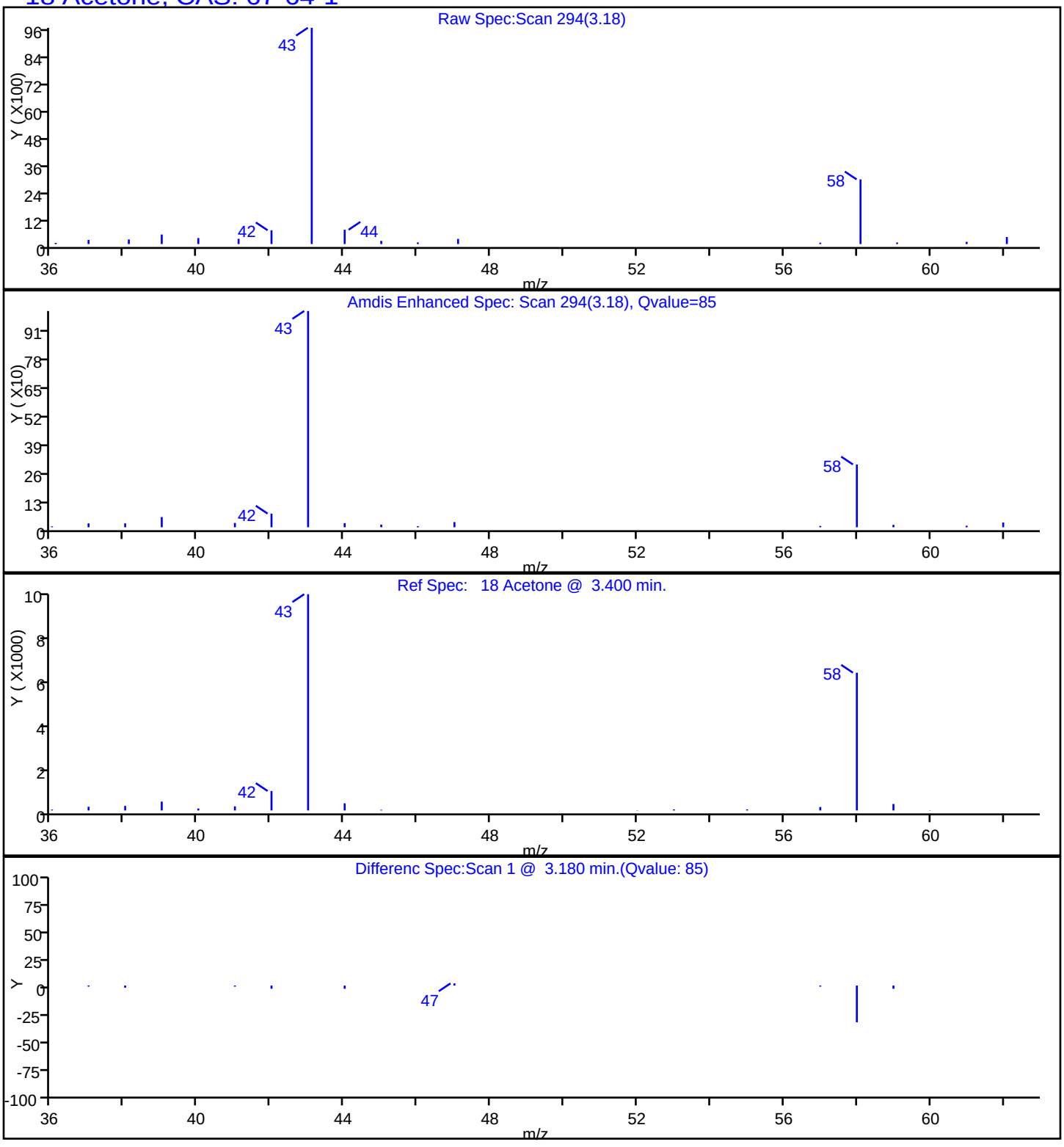
Report Date: 23-Aug-2016 19:40:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25154.D

Injection Date:	21-Aug-2016 14:35:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-10-A	Lab Sample ID:	460-118857-10
Client ID:	SB-6 (13-15) 08182016		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



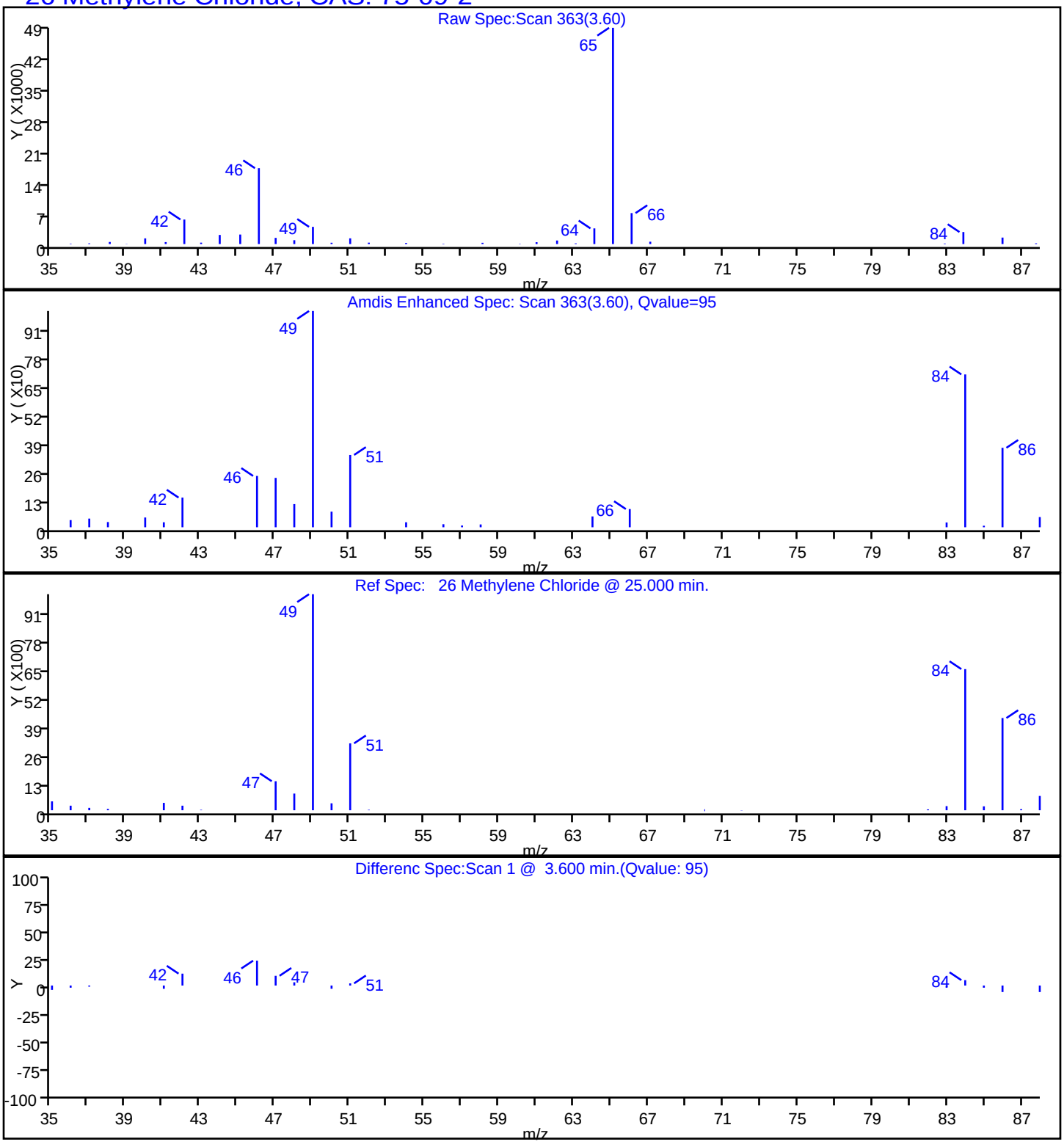
Report Date: 23-Aug-2016 19:40:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25154.D

Injection Date:	21-Aug-2016 14:35:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-10-A	Lab Sample ID:	460-118857-10
Client ID:	SB-6 (13-15) 08182016		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (2-4) 08182016 | Lab Sample ID: 460-118857-11

Matrix: Solid | Lab File ID: D25155.D

Analysis Method: 8260C | Date Collected: 08/18/2016 13:58

Sample wt/vol: 5.68(g) | Date Analyzed: 08/21/2016 14:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 2.6 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.90	U	0.90	0.34
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.90	U	0.90	0.40
79-00-5	1,1,2-Trichloroethane	0.90	U	0.90	0.25
75-34-3	1,1-Dichloroethane	0.90	U	0.90	0.31
75-35-4	1,1-Dichloroethene	0.90	U	0.90	0.37
87-61-6	1,2,3-Trichlorobenzene	0.90	U	0.90	0.099
120-82-1	1,2,4-Trichlorobenzene	0.90	U	0.90	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	0.90	U	0.90	0.42
95-50-1	1,2-Dichlorobenzene	0.90	U	0.90	0.13
107-06-2	1,2-Dichloroethane	0.90	U	0.90	0.099
78-87-5	1,2-Dichloropropane	0.90	U	0.90	0.15
541-73-1	1,3-Dichlorobenzene	0.90	U	0.90	0.11
106-46-7	1,4-Dichlorobenzene	0.90	U	0.90	0.12
123-91-1	1,4-Dioxane	18	U	18	5.8
78-93-3	2-Butanone (MEK)	0.95	J	4.5	0.70
591-78-6	2-Hexanone	4.5	U	4.5	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	4.5	U	4.5	2.0
67-64-1	Acetone	11		4.5	0.96
75-05-8	Acetonitrile	9.0	U	9.0	3.7
107-02-8	Acrolein	90	U	90	14
71-43-2	Benzene	0.90	U	0.90	0.18
75-25-2	Bromoform	0.90	U	0.90	0.12
74-83-9	Bromomethane	0.90	U	0.90	0.29
75-15-0	Carbon disulfide	0.90	U	0.90	0.39
56-23-5	Carbon tetrachloride	0.90	U	0.90	0.39
108-90-7	Chlorobenzene	0.90	U	0.90	0.13
74-97-5	Chlorobromomethane	0.90	U	0.90	0.15
124-48-1	Chlorodibromomethane	0.90	U	0.90	0.14
75-00-3	Chloroethane	0.90	U	0.90	0.32
67-66-3	Chloroform	0.90	U	0.90	0.19
74-87-3	Chloromethane	0.90	U	0.90	0.34
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.90	0.20
10061-01-5	cis-1,3-Dichloropropene	0.90	U	0.90	0.14
110-82-7	Cyclohexane	0.90	U	0.90	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (2-4) 08182016 | Lab Sample ID: 460-118857-11

Matrix: Solid | Lab File ID: D25155.D

Analysis Method: 8260C | Date Collected: 08/18/2016 13:58

Sample wt/vol: 5.68(g) | Date Analyzed: 08/21/2016 14:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 2.6 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.90	U	0.90	0.34
75-71-8	Dichlorodifluoromethane	0.90	U	0.90	0.29
100-41-4	Ethylbenzene	0.90	U	0.90	0.16
106-93-4	Ethylene Dibromide	0.90	U	0.90	0.11
98-82-8	Isopropylbenzene	0.90	U	0.90	0.15
79-20-9	Methyl acetate	4.5	U	4.5	0.81
1634-04-4	Methyl tert-butyl ether	0.90	U	0.90	0.15
108-87-2	Methylcyclohexane	0.90	U	0.90	0.45
75-09-2	Methylene Chloride	1.6		0.90	0.29
179601-23-1	m-Xylene & p-Xylene	0.90	U	0.90	0.099
95-47-6	o-Xylene	0.90	U	0.90	0.14
100-42-5	Styrene	0.90	U	0.90	0.14
75-65-0	TBA	9.0	U	9.0	3.2
127-18-4	Tetrachloroethene	0.90	U	0.90	0.25
108-88-3	Toluene	0.90	U	0.90	0.17
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	0.35
10061-02-6	trans-1,3-Dichloropropene	0.90	U	0.90	0.090
79-01-6	Trichloroethene	0.90	U	0.90	0.23
75-69-4	Trichlorofluoromethane	0.90	U	0.90	0.31
75-01-4	Vinyl chloride	0.90	U	0.90	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		78-135
460-00-4	4-Bromofluorobenzene	92		67-126
1868-53-7	Dibromofluoromethane (Surr)	102		61-149
2037-26-5	Toluene-d8 (Surr)	105		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25155.D
Lims ID: 460-118857-B-11-A
Client ID: SB-5 (2-4) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 14:59:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-11-A
Misc. Info.: 460-0044684-022
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:32:16 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: martineze Date: 22-Aug-2016 11:17:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.173	0.000	85	18467	12.3	
26 Methylene Chloride	84	3.594	3.594	0.000	98	5905	1.73	
* 27 TBA-d9 (IS)	65	3.612	3.618	-0.006	40	281560	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	299414	250.0	
41 2-Butanone (MEK)	72	4.965	4.972	-0.007	96	447	1.05	
$ 51 Dibromofluoromethane (Surr	113	5.483	5.478	0.005	96	132245	50.9	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	150747	57.5	
* 61 Fluorobenzene	96	6.239	6.234	0.005	98	435392	50.0	
* 67 1,4-Dioxane-d8	96	7.069	7.063	0.006	0	19416	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	456971	52.4	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	319881	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	88	143535	45.9	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	180389	50.0	

Reagents:

8260ISNEW_00078	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added: 1.00	Units: uL	Run Reagent

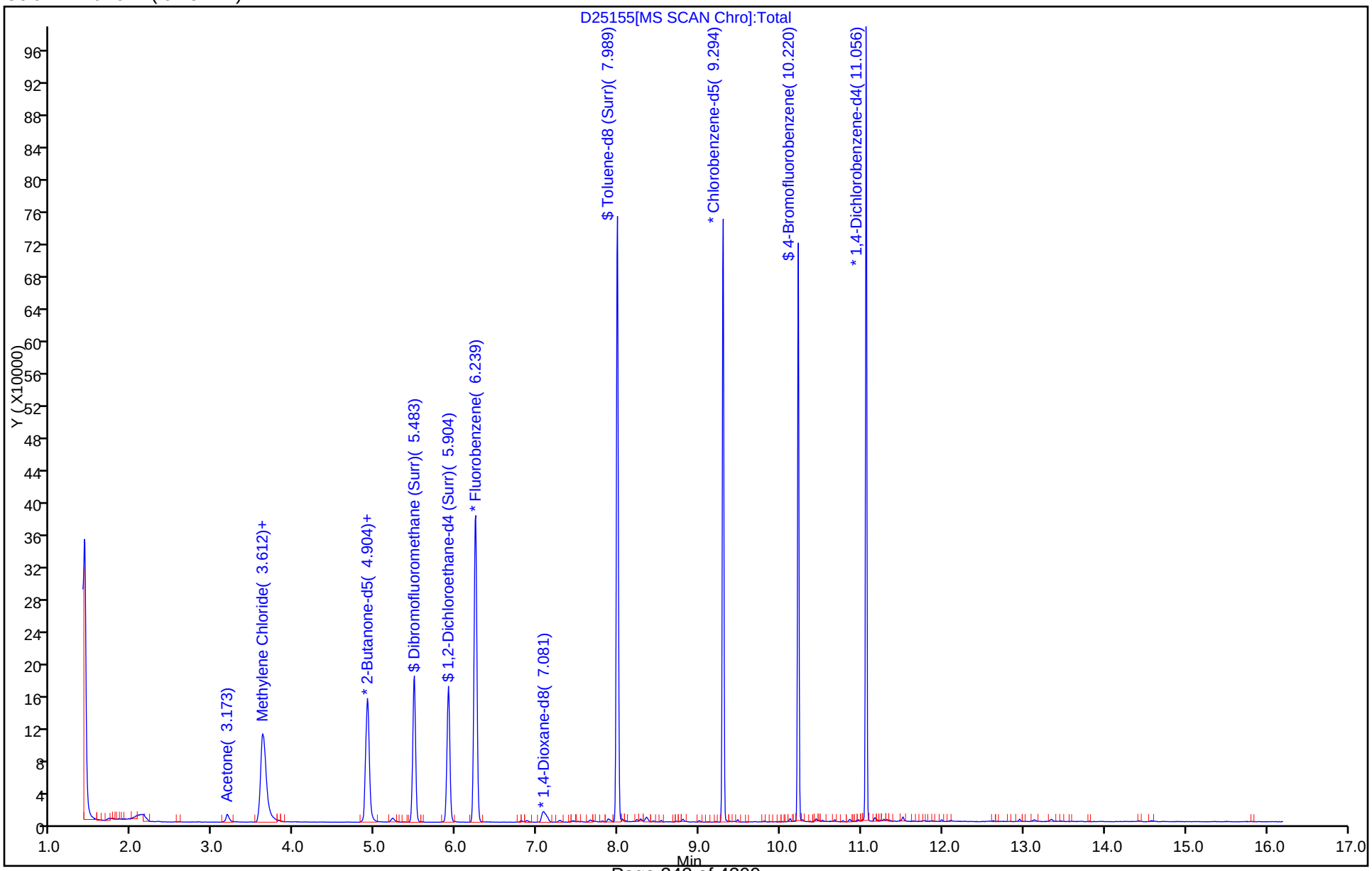
Report Date: 23-Aug-2016 19:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25155.D

Injection Date:	21-Aug-2016 14:59:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-11-A	Lab Sample ID:	460-118857-11	Worklist Smp#:	22
Client ID:	SB-5 (2-4) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



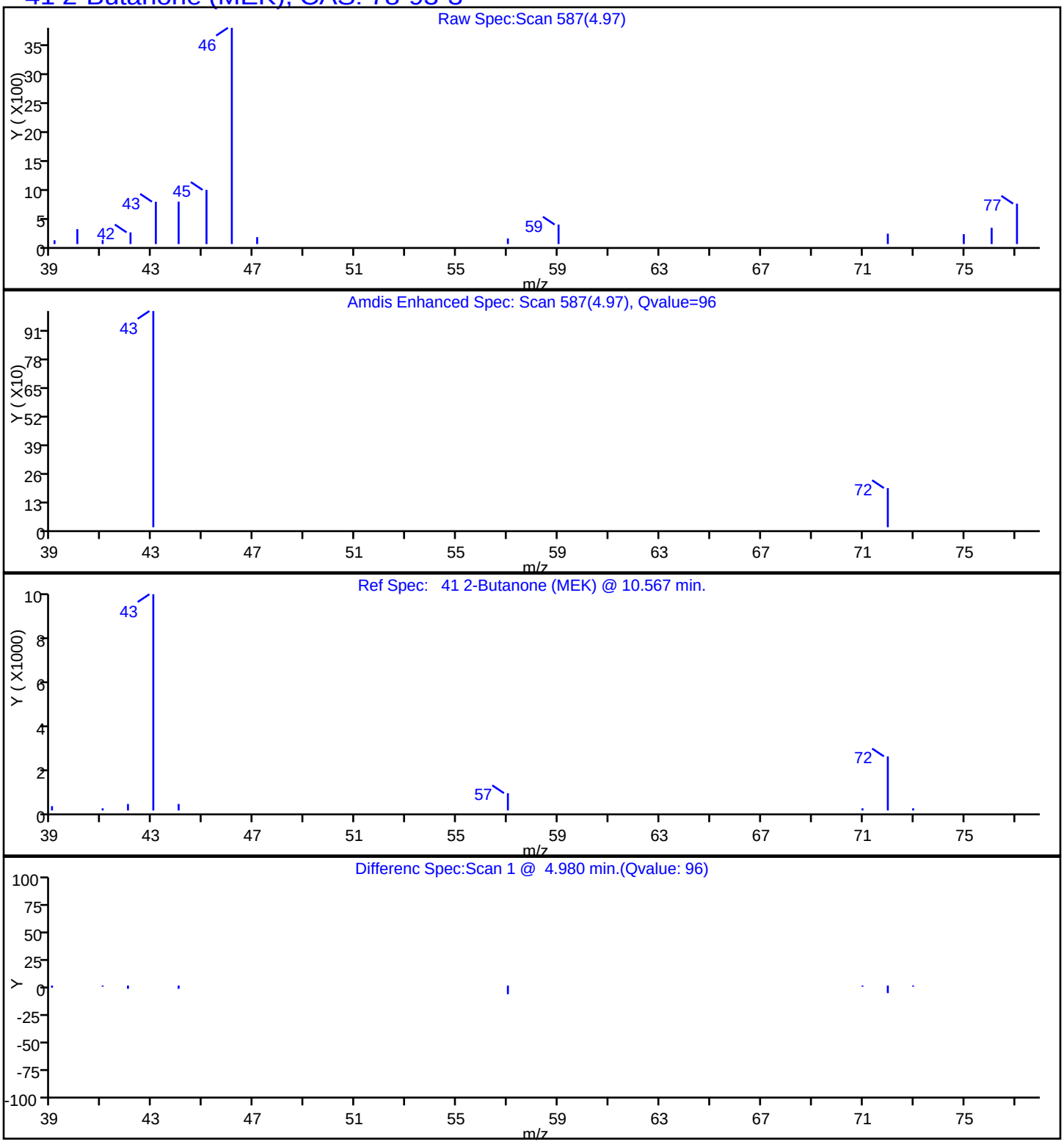
Report Date: 23-Aug-2016 19:32:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25155.D

Injection Date:	21-Aug-2016 14:59:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



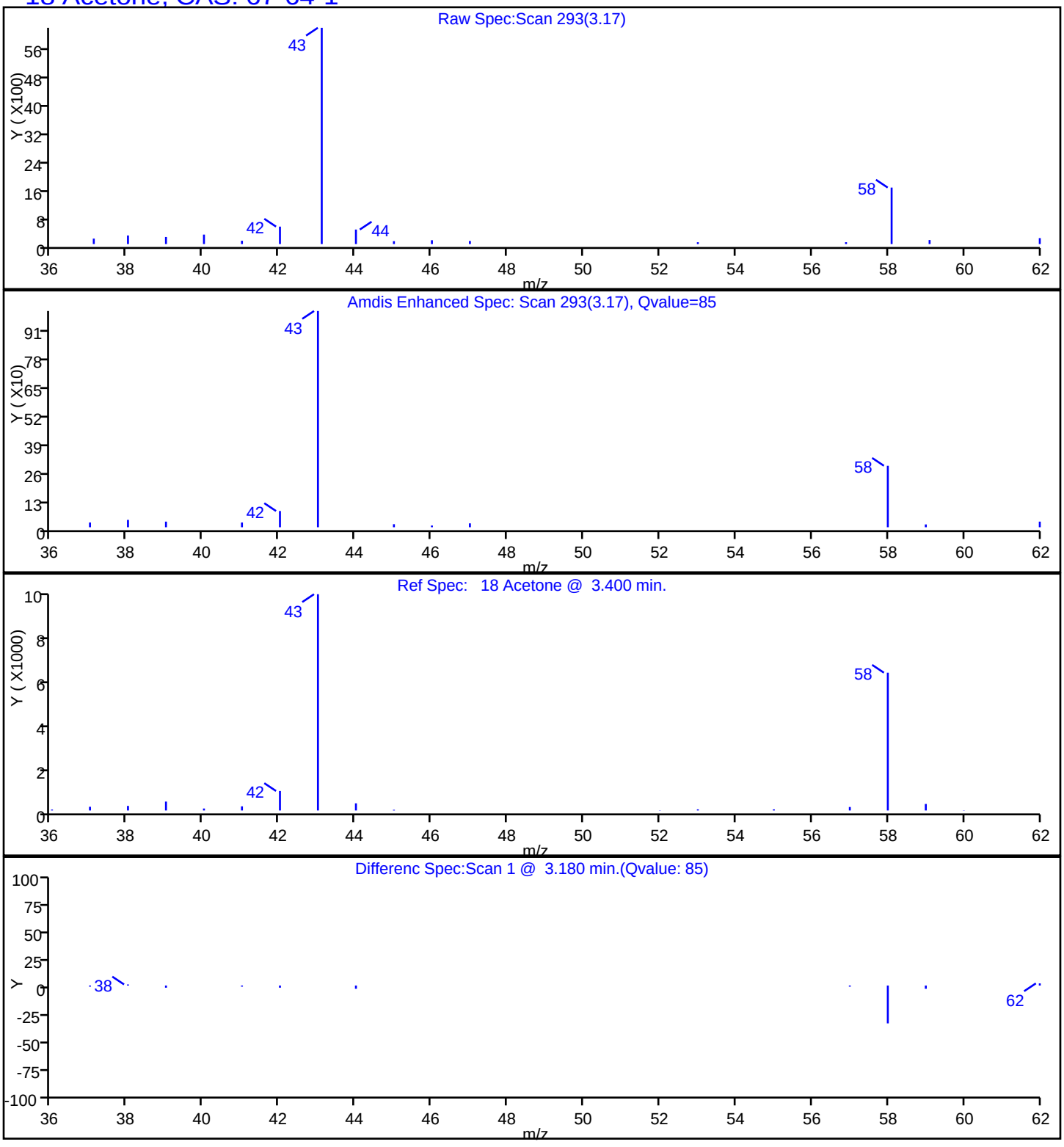
Report Date: 23-Aug-2016 19:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25155.D

Injection Date:	21-Aug-2016 14:59:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



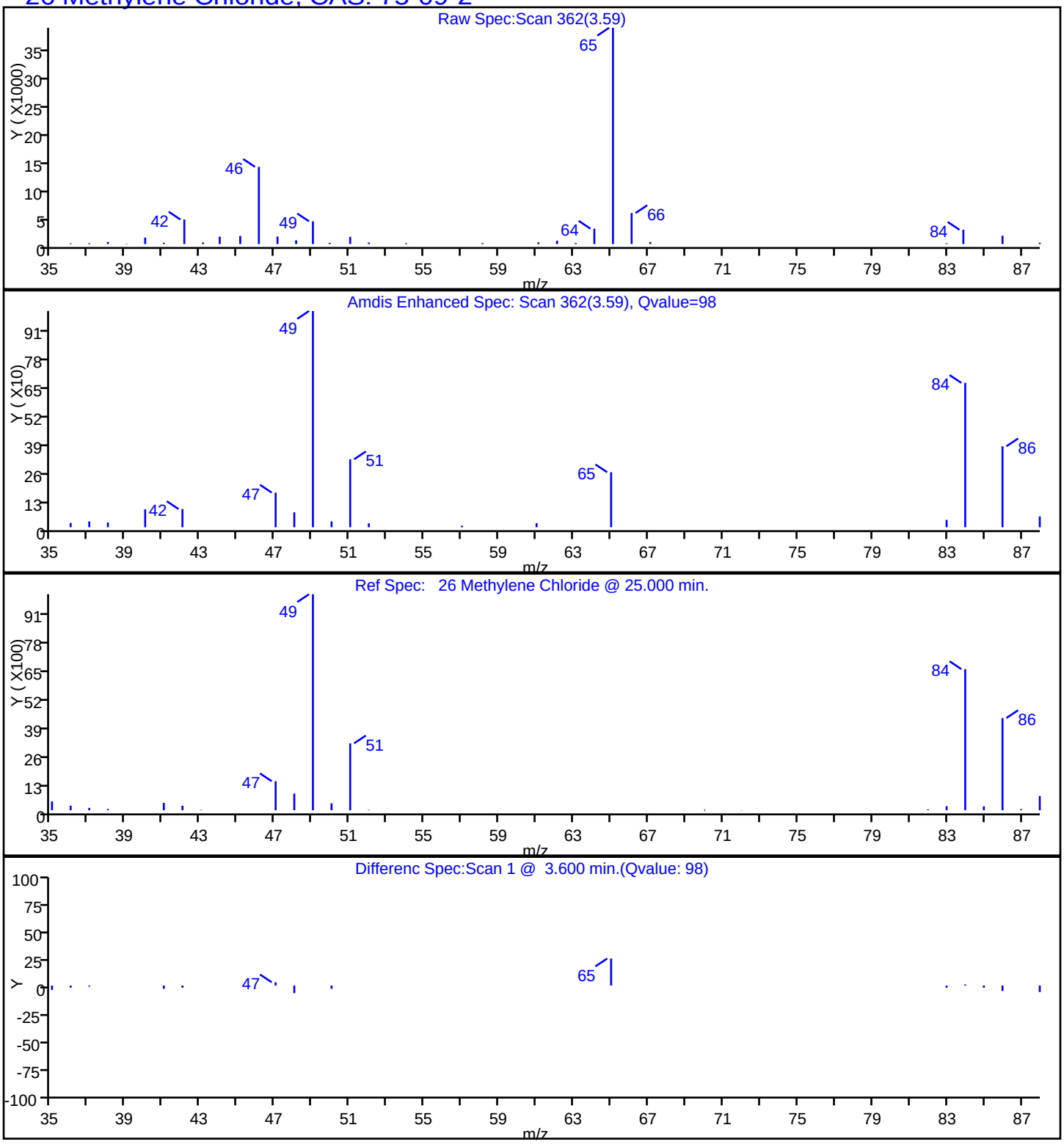
Report Date: 23-Aug-2016 19:32:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25155.D

Injection Date:	21-Aug-2016 14:59:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-11-A	Lab Sample ID:	460-118857-11
Client ID:	SB-5 (2-4) 08182016		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (13-15) 08182016 | Lab Sample ID: 460-118857-12

Matrix: Solid | Lab File ID: D25156.D

Analysis Method: 8260C | Date Collected: 08/18/2016 14:10

Sample wt/vol: 6.519(g) | Date Analyzed: 08/21/2016 15:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 3.7 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	0.30
79-34-5	1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.14
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.80	U	0.80	0.35
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	0.22
75-34-3	1,1-Dichloroethane	0.80	U	0.80	0.27
75-35-4	1,1-Dichloroethene	0.80	U	0.80	0.33
87-61-6	1,2,3-Trichlorobenzene	0.80	U	0.80	0.088
120-82-1	1,2,4-Trichlorobenzene	0.80	U	0.80	0.25
96-12-8	1,2-Dibromo-3-Chloropropane	0.80	U	0.80	0.37
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	0.11
107-06-2	1,2-Dichloroethane	0.80	U	0.80	0.088
78-87-5	1,2-Dichloropropane	0.80	U	0.80	0.14
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	0.096
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	0.10
123-91-1	1,4-Dioxane	16	U	16	5.1
78-93-3	2-Butanone (MEK)	4.0	U	4.0	0.61
591-78-6	2-Hexanone	4.0	U	4.0	0.75
108-10-1	4-Methyl-2-pentanone (MIBK)	4.0	U	4.0	1.8
67-64-1	Acetone	8.0		4.0	0.84
75-05-8	Acetonitrile	8.0	U	8.0	3.2
107-02-8	Acrolein	80	U	80	12
71-43-2	Benzene	0.80	U	0.80	0.16
75-25-2	Bromoform	0.80	U	0.80	0.10
74-83-9	Bromomethane	0.80	U	0.80	0.25
75-15-0	Carbon disulfide	0.80	U	0.80	0.34
56-23-5	Carbon tetrachloride	0.80	U	0.80	0.34
108-90-7	Chlorobenzene	0.80	U	0.80	0.11
74-97-5	Chlorobromomethane	0.80	U	0.80	0.14
124-48-1	Chlorodibromomethane	0.80	U	0.80	0.12
75-00-3	Chloroethane	0.80	U	0.80	0.28
67-66-3	Chloroform	0.80	U	0.80	0.17
74-87-3	Chloromethane	0.80	U	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	0.18
10061-01-5	cis-1,3-Dichloropropene	0.80	U	0.80	0.12
110-82-7	Cyclohexane	0.80	U	0.80	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (13-15) 08182016 | Lab Sample ID: 460-118857-12

Matrix: Solid | Lab File ID: D25156.D

Analysis Method: 8260C | Date Collected: 08/18/2016 14:10

Sample wt/vol: 6.519(g) | Date Analyzed: 08/21/2016 15:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 3.7 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.80	U	0.80	0.30
75-71-8	Dichlorodifluoromethane	0.80	U	0.80	0.25
100-41-4	Ethylbenzene	0.80	U	0.80	0.14
106-93-4	Ethylene Dibromide	0.80	U	0.80	0.096
98-82-8	Isopropylbenzene	0.80	U	0.80	0.14
79-20-9	Methyl acetate	4.0	U	4.0	0.72
1634-04-4	Methyl tert-butyl ether	0.80	U	0.80	0.14
108-87-2	Methylcyclohexane	0.80	U	0.80	0.40
75-09-2	Methylene Chloride	1.7		0.80	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	0.80	0.088
95-47-6	o-Xylene	0.80	U	0.80	0.13
100-42-5	Styrene	0.80	U	0.80	0.12
75-65-0	TBA	8.0	U	8.0	2.8
127-18-4	Tetrachloroethene	0.80	U	0.80	0.22
108-88-3	Toluene	0.80	U	0.80	0.15
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	0.31
10061-02-6	trans-1,3-Dichloropropene	0.80	U	0.80	0.080
79-01-6	Trichloroethene	0.80	U	0.80	0.21
75-69-4	Trichlorofluoromethane	0.80	U	0.80	0.27
75-01-4	Vinyl chloride	0.80	U	0.80	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		78-135
460-00-4	4-Bromofluorobenzene	83		67-126
1868-53-7	Dibromofluoromethane (Surr)	94		61-149
2037-26-5	Toluene-d8 (Surr)	97		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25156.D
Lims ID: 460-118857-B-12-A
Client ID: SB-5 (13-15) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 15:24:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-12-A
Misc. Info.: 460-0044684-023
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:32:11 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: martineze Date: 22-Aug-2016 11:17:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.179	3.173	0.006	85	16957	10.0	
26 Methylene Chloride	84	3.594	3.594	0.000	97	7871	2.17	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	40	322426	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	315823	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.483	5.478	0.005	96	129250	46.9	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.904	-0.006	98	146334	52.7	
* 61 Fluorobenzene	96	6.239	6.234	0.005	98	461470	50.0	
* 67 1,4-Dioxane-d8	96	7.075	7.063	0.012	0	23119	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	444950	48.3	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	338138	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	89	139284	41.7	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	192829	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

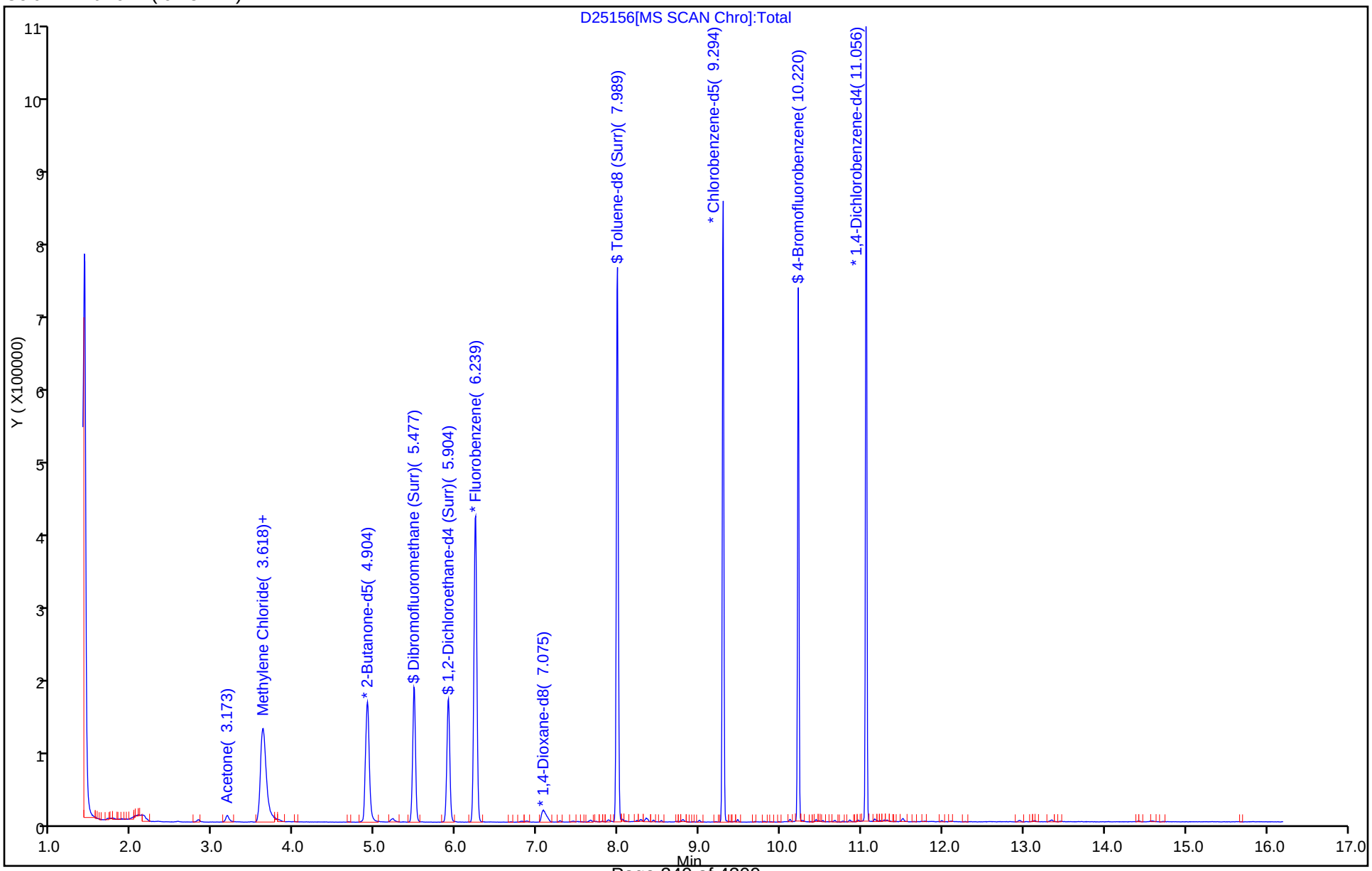
Report Date: 23-Aug-2016 19:32:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25156.D

Injection Date:	21-Aug-2016 15:24:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-12-A	Lab Sample ID:	460-118857-12	Worklist Smp#:	23
Client ID:	SB-5 (13-15) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



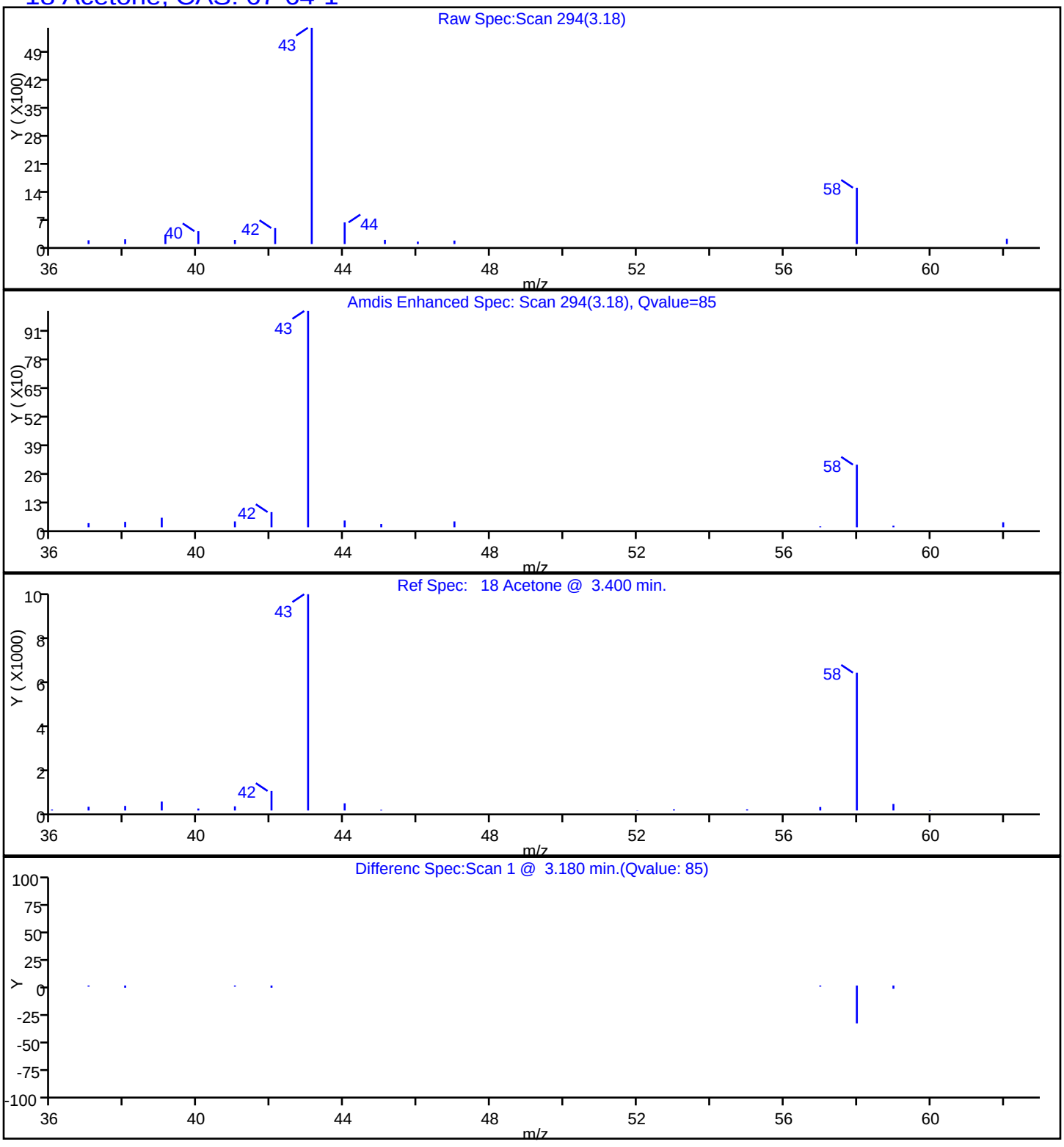
Report Date: 23-Aug-2016 19:32:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25156.D

Injection Date:	21-Aug-2016 15:24:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-12-A	Lab Sample ID:	460-118857-12
Client ID:	SB-5 (13-15) 08182016		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



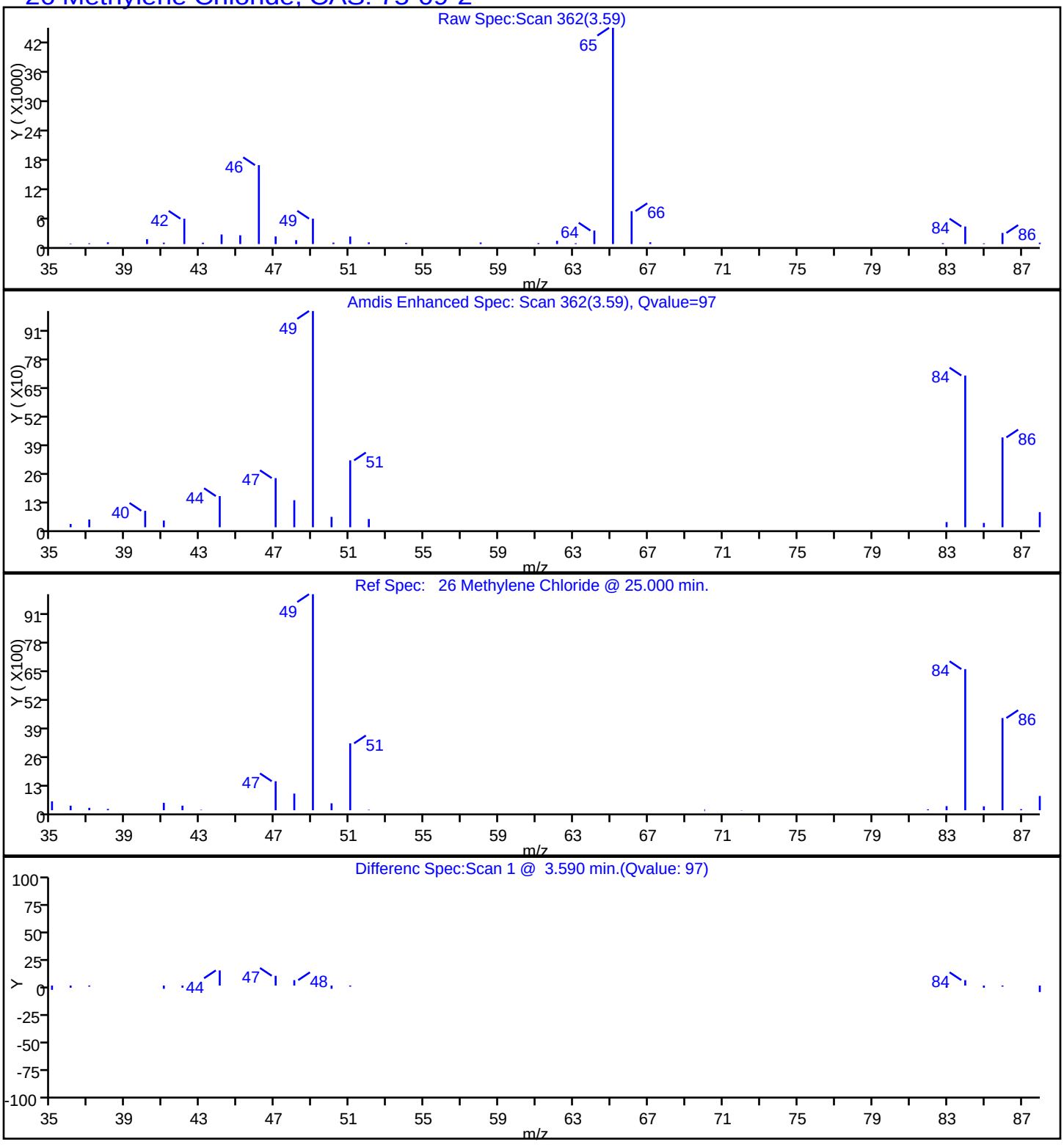
Report Date: 23-Aug-2016 19:32:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25156.D

Injection Date:	21-Aug-2016 15:24:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-12-A	Lab Sample ID:	460-118857-12
Client ID:	SB-5 (13-15) 08182016		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (2-4) 08182016 | Lab Sample ID: 460-118857-13

Matrix: Solid | Lab File ID: D25157.D

Analysis Method: 8260C | Date Collected: 08/18/2016 14:42

Sample wt/vol: 6.419(g) | Date Analyzed: 08/21/2016 15:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 9.7 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	0.33
79-34-5	1,1,2,2-Tetrachloroethane	0.86	U	0.86	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.86	U	0.86	0.38
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	0.24
75-34-3	1,1-Dichloroethane	0.86	U	0.86	0.29
75-35-4	1,1-Dichloroethene	0.86	U	0.86	0.35
87-61-6	1,2,3-Trichlorobenzene	0.86	U	0.86	0.095
120-82-1	1,2,4-Trichlorobenzene	0.86	U	0.86	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	0.41
95-50-1	1,2-Dichlorobenzene	0.86	U	0.86	0.12
107-06-2	1,2-Dichloroethane	0.86	U	0.86	0.095
78-87-5	1,2-Dichloropropane	0.86	U	0.86	0.15
541-73-1	1,3-Dichlorobenzene	0.86	U	0.86	0.10
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	0.11
123-91-1	1,4-Dioxane	17	U	17	5.5
78-93-3	2-Butanone (MEK)	1.0	J	4.3	0.66
591-78-6	2-Hexanone	4.3	U	4.3	0.81
108-10-1	4-Methyl-2-pentanone (MIBK)	4.3	U	4.3	1.9
67-64-1	Acetone	16		4.3	0.91
75-05-8	Acetonitrile	8.6	U	8.6	3.5
107-02-8	Acrolein	86	U	86	13
71-43-2	Benzene	0.86	U	0.86	0.17
75-25-2	Bromoform	0.86	U	0.86	0.11
74-83-9	Bromomethane	0.86	U	0.86	0.28
75-15-0	Carbon disulfide	0.86	U	0.86	0.37
56-23-5	Carbon tetrachloride	0.86	U	0.86	0.37
108-90-7	Chlorobenzene	0.86	U	0.86	0.12
74-97-5	Chlorobromomethane	0.86	U	0.86	0.15
124-48-1	Chlorodibromomethane	0.86	U	0.86	0.13
75-00-3	Chloroethane	0.86	U	0.86	0.30
67-66-3	Chloroform	0.86	U	0.86	0.18
74-87-3	Chloromethane	0.86	U	0.86	0.33
156-59-2	cis-1,2-Dichloroethene	0.86	U	0.86	0.19
10061-01-5	cis-1,3-Dichloropropene	0.86	U	0.86	0.13
110-82-7	Cyclohexane	0.86	U	0.86	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (2-4) 08182016 | Lab Sample ID: 460-118857-13

Matrix: Solid | Lab File ID: D25157.D

Analysis Method: 8260C | Date Collected: 08/18/2016 14:42

Sample wt/vol: 6.419(g) | Date Analyzed: 08/21/2016 15:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 9.7 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.86	U	0.86	0.33
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	0.28
100-41-4	Ethylbenzene	0.86	U	0.86	0.16
106-93-4	Ethylene Dibromide	0.86	U	0.86	0.10
98-82-8	Isopropylbenzene	0.86	U	0.86	0.15
79-20-9	Methyl acetate	4.3	U	4.3	0.78
1634-04-4	Methyl tert-butyl ether	0.86	U	0.86	0.15
108-87-2	Methylcyclohexane	0.86	U	0.86	0.43
75-09-2	Methylene Chloride	1.6		0.86	0.28
179601-23-1	m-Xylene & p-Xylene	0.86	U	0.86	0.095
95-47-6	o-Xylene	0.86	U	0.86	0.14
100-42-5	Styrene	0.86	U	0.86	0.13
75-65-0	TBA	8.6	U	8.6	3.0
127-18-4	Tetrachloroethene	0.86	U	0.86	0.24
108-88-3	Toluene	0.86	U	0.86	0.16
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	0.34
10061-02-6	trans-1,3-Dichloropropene	0.86	U	0.86	0.086
79-01-6	Trichloroethene	0.86	U	0.86	0.22
75-69-4	Trichlorofluoromethane	0.86	U	0.86	0.29
75-01-4	Vinyl chloride	0.86	U	0.86	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		78-135
460-00-4	4-Bromofluorobenzene	79		67-126
1868-53-7	Dibromofluoromethane (Surr)	91		61-149
2037-26-5	Toluene-d8 (Surr)	92		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25157.D
Lims ID: 460-118857-B-13-A
Client ID: SB-7 (2-4) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 15:49:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-13-A
Misc. Info.: 460-0044684-024
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:40:25 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: martineze Date: 22-Aug-2016 11:18:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.173	0.000	85	27136	18.9	
26 Methylene Chloride	84	3.594	3.594	0.000	99	7019	1.90	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	40	265164	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	317599	250.0	
41 2-Butanone (MEK)	72	4.984	4.972	0.012	97	531	1.18	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.478	-0.001	97	127154	45.3	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	97	143306	50.6	
* 61 Fluorobenzene	96	6.239	6.234	0.005	98	470406	50.0	
* 67 1,4-Dioxane-d8	96	7.069	7.063	0.006	0	14756	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	436539	46.0	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	348495	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	89	135510	39.7	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	196767	50.0	

Reagents:

8260ISNEW_00078	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added: 1.00	Units: uL	Run Reagent

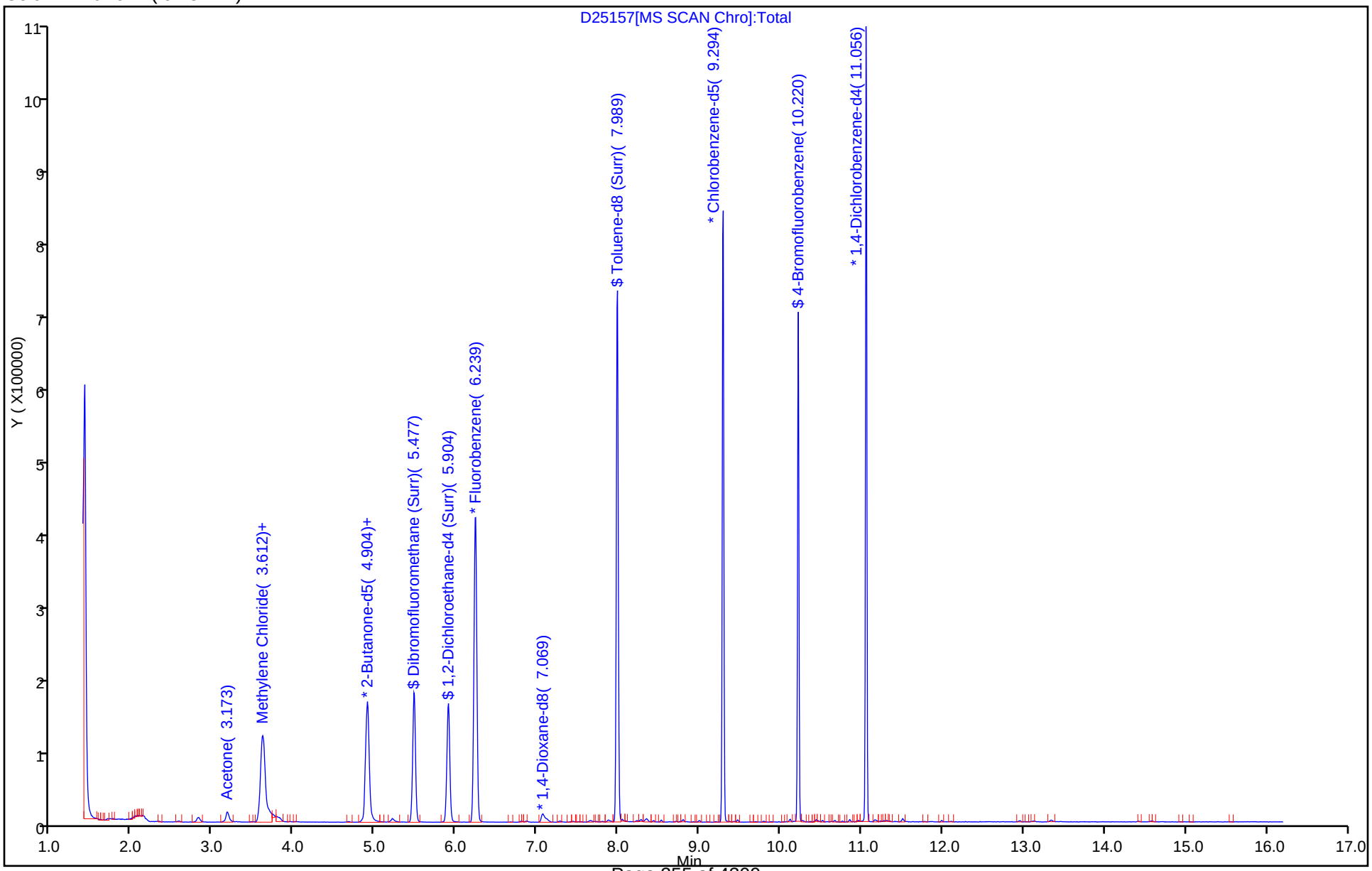
Report Date: 23-Aug-2016 19:40:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25157.D

Injection Date:	21-Aug-2016 15:49:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-13-A	Lab Sample ID:	460-118857-13	Worklist Smp#:	24
Client ID:	SB-7 (2-4) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



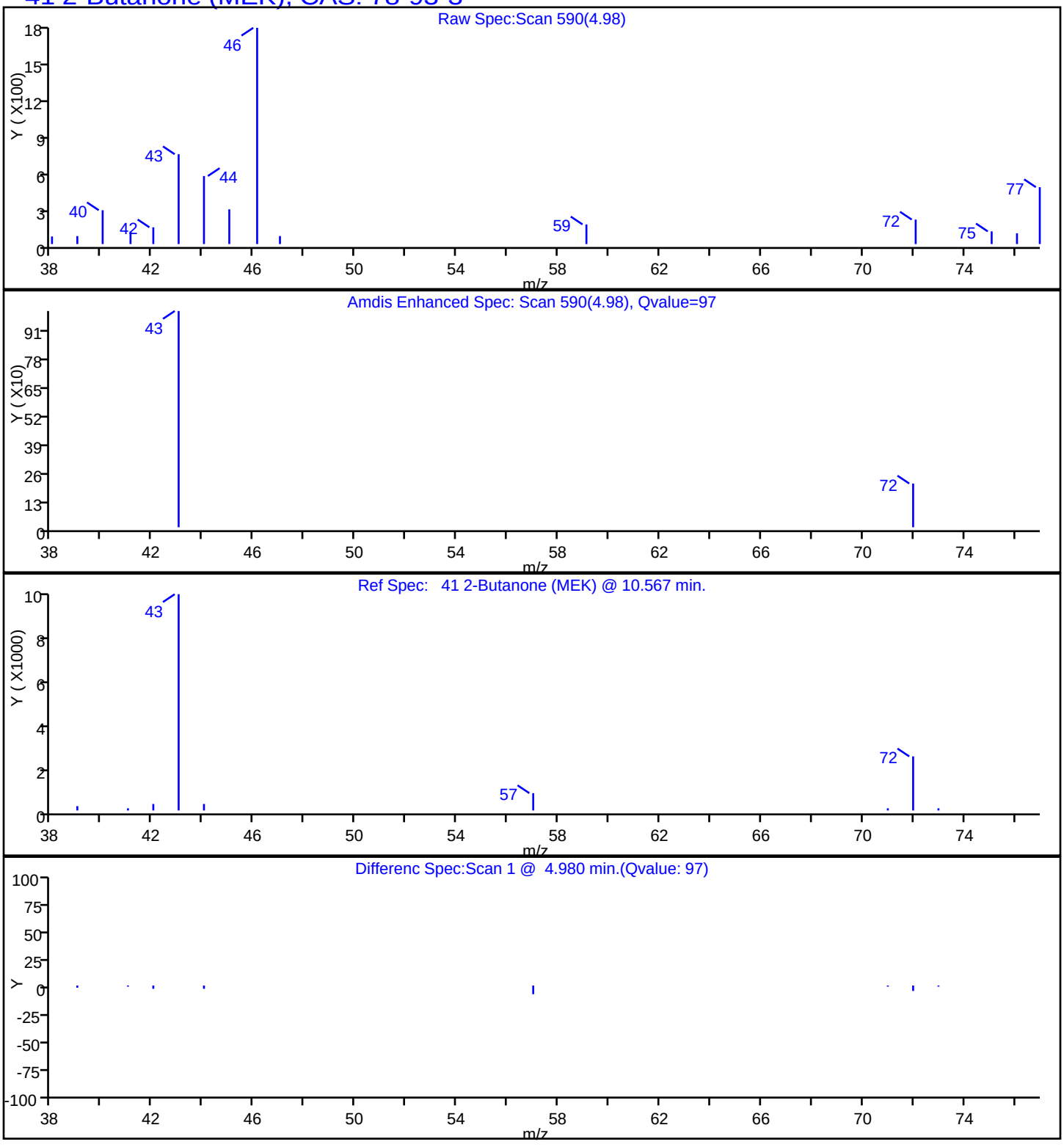
Report Date: 23-Aug-2016 19:40:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25157.D

Injection Date:	21-Aug-2016 15:49:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-13-A	Lab Sample ID:	460-118857-13		
Client ID:	SB-7 (2-4) 08182016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3



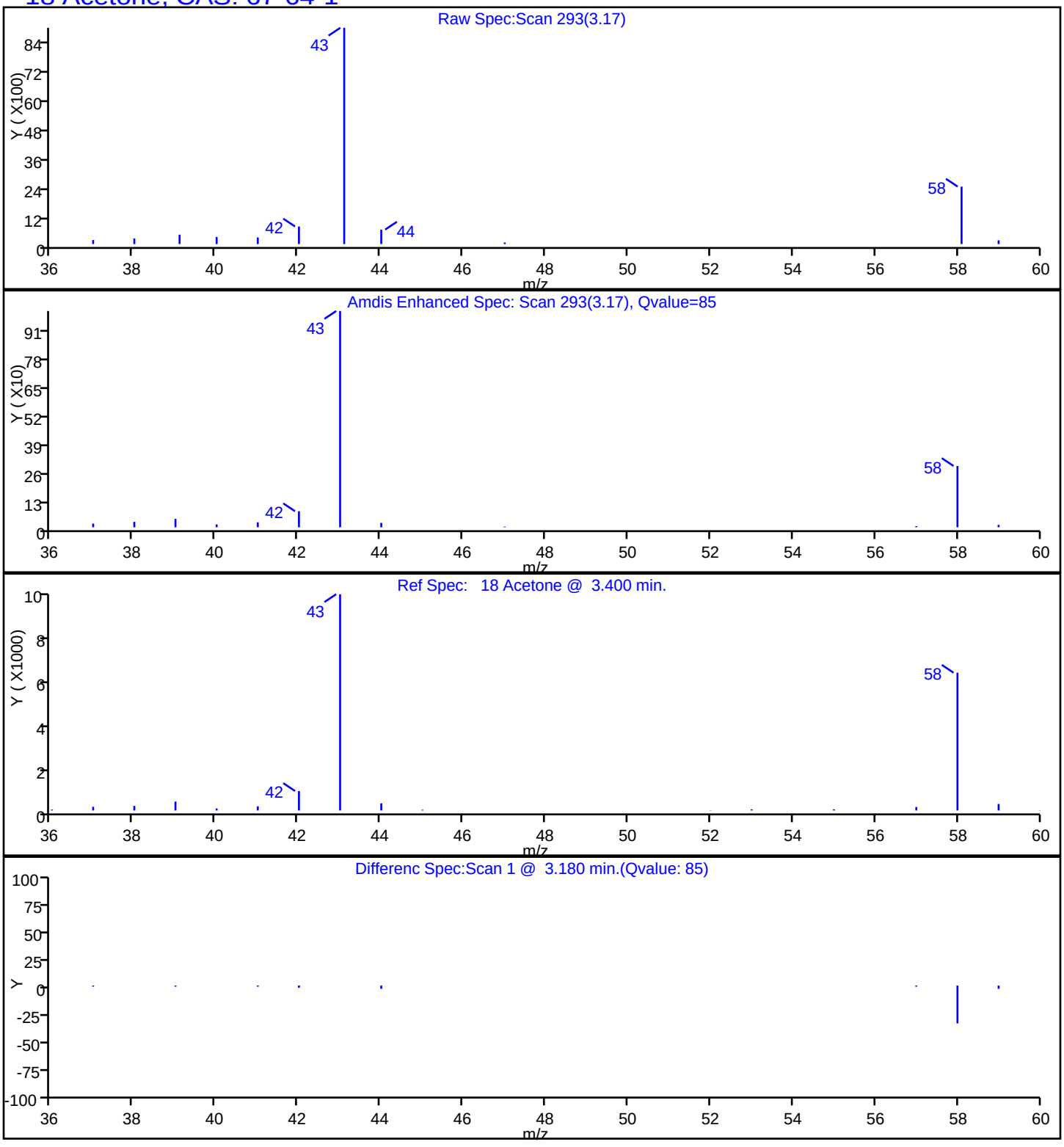
Report Date: 23-Aug-2016 19:40:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25157.D

Injection Date:	21-Aug-2016 15:49:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-13-A	Lab Sample ID:	460-118857-13
Client ID:	SB-7 (2-4) 08182016		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



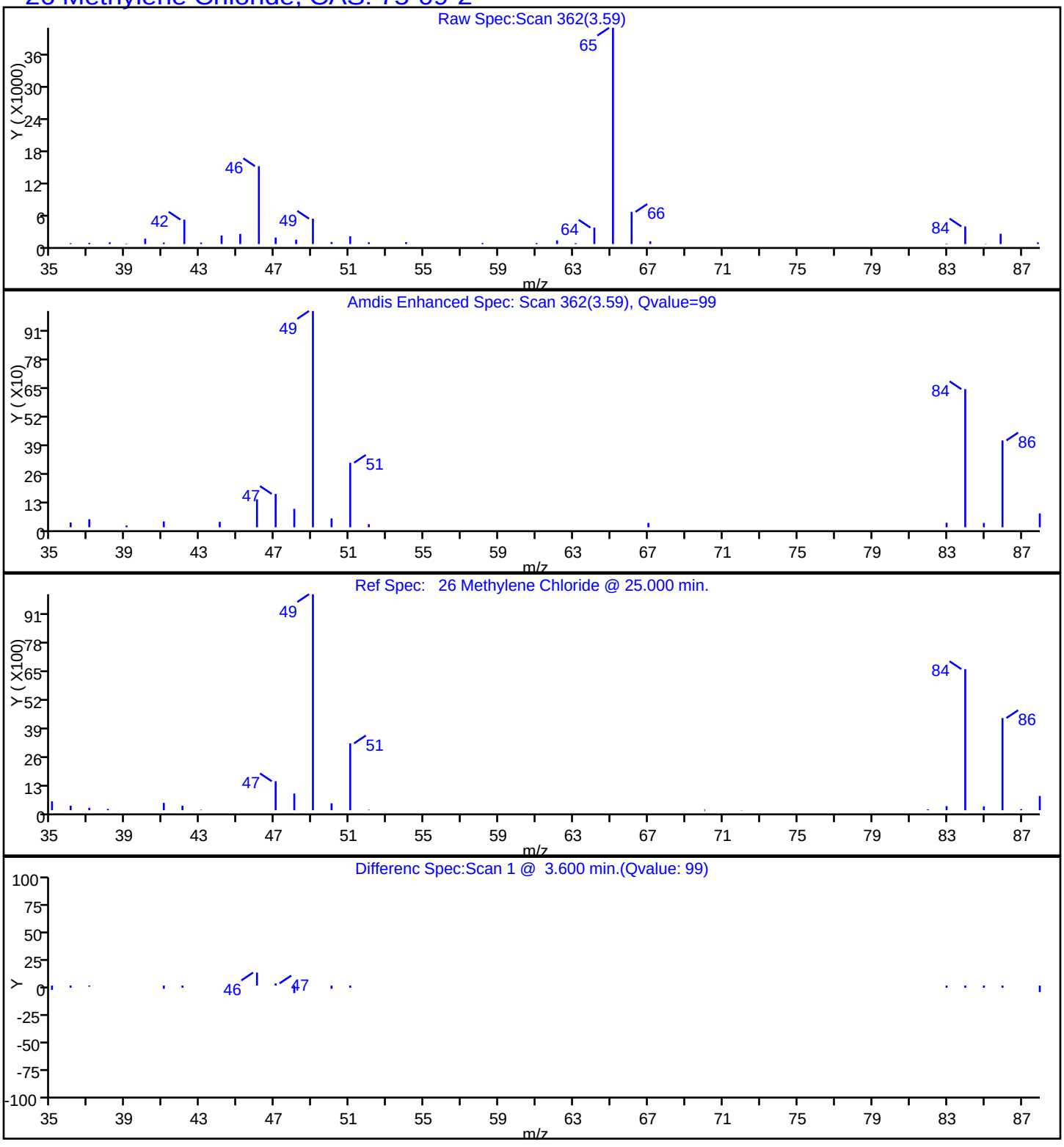
Report Date: 23-Aug-2016 19:40:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25157.D

Injection Date:	21-Aug-2016 15:49:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-13-A	Lab Sample ID:	460-118857-13
Client ID:	SB-7 (2-4) 08182016		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (13-15) 08182016 | Lab Sample ID: 460-118857-14

Matrix: Solid | Lab File ID: D25158.D

Analysis Method: 8260C | Date Collected: 08/18/2016 14:50

Sample wt/vol: 6.381(g) | Date Analyzed: 08/21/2016 16:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 4.2 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.82	U	0.82	0.31
79-34-5	1,1,2,2-Tetrachloroethane	0.82	U	0.82	0.14
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.82	U	0.82	0.36
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	0.23
75-34-3	1,1-Dichloroethane	0.82	U	0.82	0.28
75-35-4	1,1-Dichloroethene	0.82	U	0.82	0.34
87-61-6	1,2,3-Trichlorobenzene	0.82	U	0.82	0.090
120-82-1	1,2,4-Trichlorobenzene	0.82	U	0.82	0.26
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	0.82	0.38
95-50-1	1,2-Dichlorobenzene	0.82	U	0.82	0.11
107-06-2	1,2-Dichloroethane	0.82	U	0.82	0.090
78-87-5	1,2-Dichloropropane	0.82	U	0.82	0.14
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	0.098
106-46-7	1,4-Dichlorobenzene	0.82	U	0.82	0.11
123-91-1	1,4-Dioxane	16	U	16	5.2
78-93-3	2-Butanone (MEK)	4.1	U	4.1	0.63
591-78-6	2-Hexanone	4.1	U	4.1	0.77
108-10-1	4-Methyl-2-pentanone (MIBK)	4.1	U	4.1	1.8
67-64-1	Acetone	14		4.1	0.87
75-05-8	Acetonitrile	8.2	U	8.2	3.3
107-02-8	Acrolein	82	U	82	13
71-43-2	Benzene	0.82	U	0.82	0.16
75-25-2	Bromoform	0.82	U	0.82	0.11
74-83-9	Bromomethane	0.82	U	0.82	0.26
75-15-0	Carbon disulfide	0.82	U	0.82	0.35
56-23-5	Carbon tetrachloride	0.82	U	0.82	0.35
108-90-7	Chlorobenzene	0.82	U	0.82	0.11
74-97-5	Chlorobromomethane	0.82	U	0.82	0.14
124-48-1	Chlorodibromomethane	0.82	U	0.82	0.12
75-00-3	Chloroethane	0.82	U	0.82	0.29
67-66-3	Chloroform	0.82	U	0.82	0.17
74-87-3	Chloromethane	0.82	U	0.82	0.31
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	0.18
10061-01-5	cis-1,3-Dichloropropene	0.82	U	0.82	0.12
110-82-7	Cyclohexane	0.82	U	0.82	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (13-15) 08182016 | Lab Sample ID: 460-118857-14

Matrix: Solid | Lab File ID: D25158.D

Analysis Method: 8260C | Date Collected: 08/18/2016 14:50

Sample wt/vol: 6.381(g) | Date Analyzed: 08/21/2016 16:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 4.2 | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.82	U	0.82	0.31
75-71-8	Dichlorodifluoromethane	0.82	U	0.82	0.26
100-41-4	Ethylbenzene	0.82	U	0.82	0.15
106-93-4	Ethylene Dibromide	0.82	U	0.82	0.098
98-82-8	Isopropylbenzene	0.82	U	0.82	0.14
79-20-9	Methyl acetate	4.1	U	4.1	0.74
1634-04-4	Methyl tert-butyl ether	0.82	U	0.82	0.14
108-87-2	Methylcyclohexane	0.82	U	0.82	0.41
75-09-2	Methylene Chloride	1.4		0.82	0.26
179601-23-1	m-Xylene & p-Xylene	0.82	U	0.82	0.090
95-47-6	o-Xylene	0.82	U	0.82	0.13
100-42-5	Styrene	0.82	U	0.82	0.12
75-65-0	TBA	8.2	U	8.2	2.9
127-18-4	Tetrachloroethene	0.32	J	0.82	0.23
108-88-3	Toluene	0.82	U	0.82	0.16
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	0.32
10061-02-6	trans-1,3-Dichloropropene	0.82	U	0.82	0.082
79-01-6	Trichloroethene	0.82	U	0.82	0.21
75-69-4	Trichlorofluoromethane	0.82	U	0.82	0.28
75-01-4	Vinyl chloride	0.82	U	0.82	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		78-135
460-00-4	4-Bromofluorobenzene	88		67-126
1868-53-7	Dibromofluoromethane (Surr)	98		61-149
2037-26-5	Toluene-d8 (Surr)	101		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25158.D
Lims ID: 460-118857-B-14-A
Client ID: SB-7 (13-15) 08182016
Sample Type: Client
Inject. Date: 21-Aug-2016 16:13:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-14-A
Misc. Info.: 460-0044684-025
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:32:04 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: martineze Date: 22-Aug-2016 11:19:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.173	3.173	0.000	86	23109	17.1	
26 Methylene Chloride	84	3.588	3.594	-0.006	97	5851	1.70	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	39	307050	1000.0	
* 38 2-Butanone-d5	46	4.905	4.905	0.000	0	291602	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.478	0.000	96	128128	48.8	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	97	145863	55.1	
* 61 Fluorobenzene	96	6.240	6.234	0.006	98	439505	50.0	
* 67 1,4-Dioxane-d8	96	7.069	7.063	0.006	0	22095	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	447006	50.4	
83 Tetrachloroethene	166	8.532	8.532	0.000	96	1344	0.3858	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	325596	50.0	
$ 100 4-Bromofluorobenzene	174	10.221	10.221	0.000	89	141718	43.9	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	186046	50.0	

Reagents:

8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

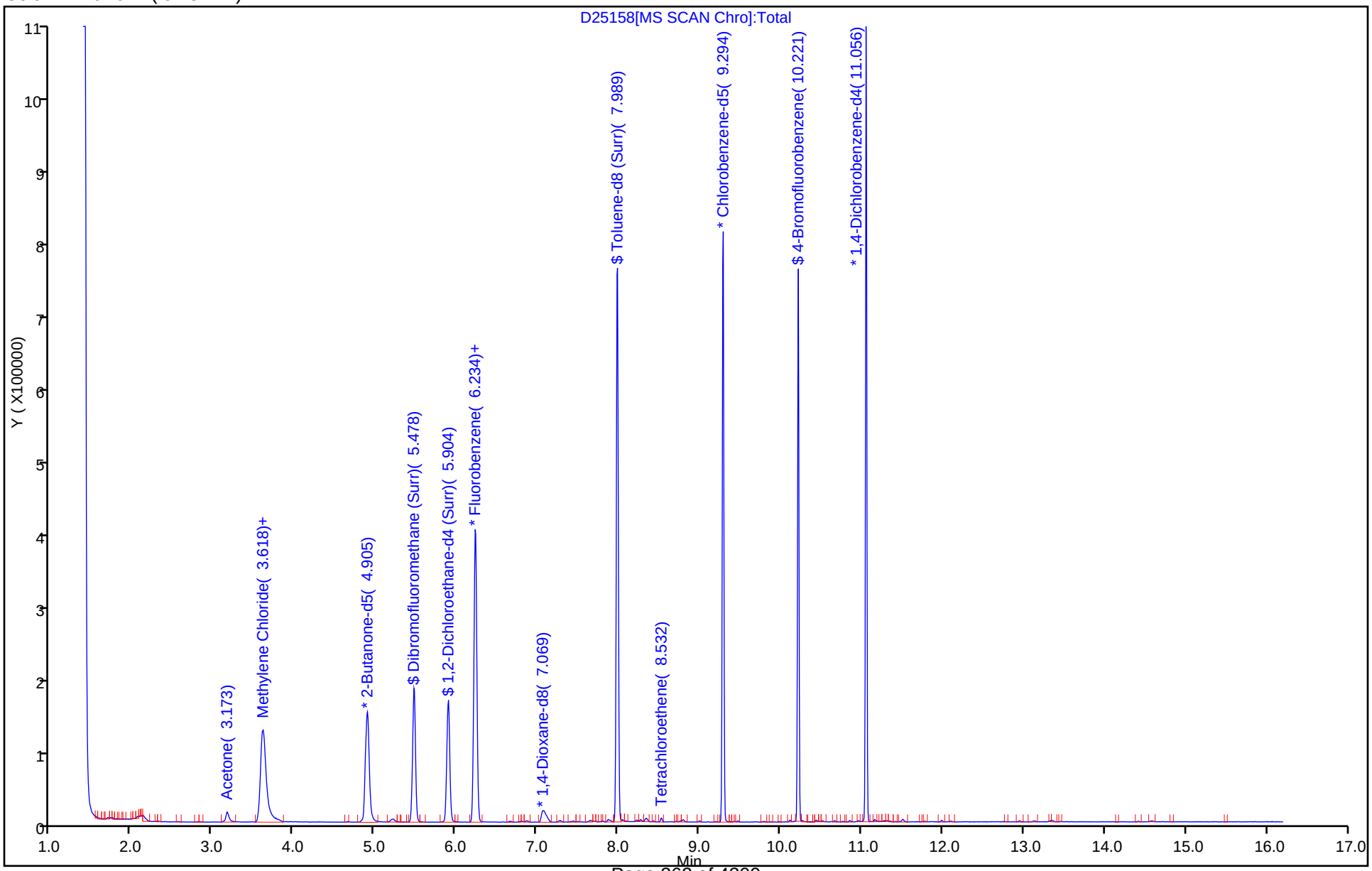
Report Date: 23-Aug-2016 19:32:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25158.D

Injection Date:	21-Aug-2016 16:13:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-14-A	Lab Sample ID:	460-118857-14	Worklist Smp#:	25
Client ID:	SB-7 (13-15) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



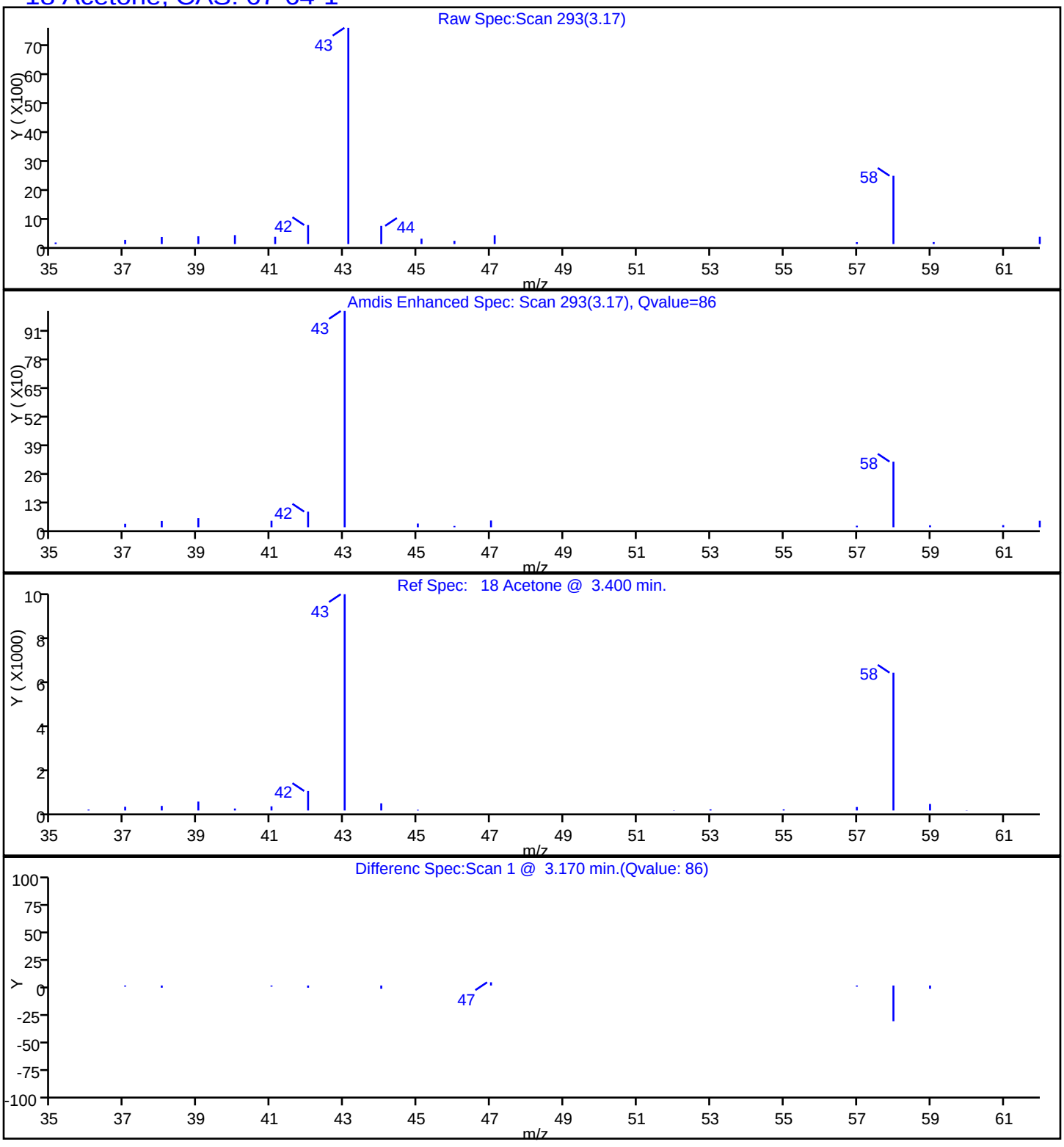
Report Date: 23-Aug-2016 19:32:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25158.D

Injection Date:	21-Aug-2016 16:13:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-14-A	Lab Sample ID:	460-118857-14
Client ID:	SB-7 (13-15) 08182016		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



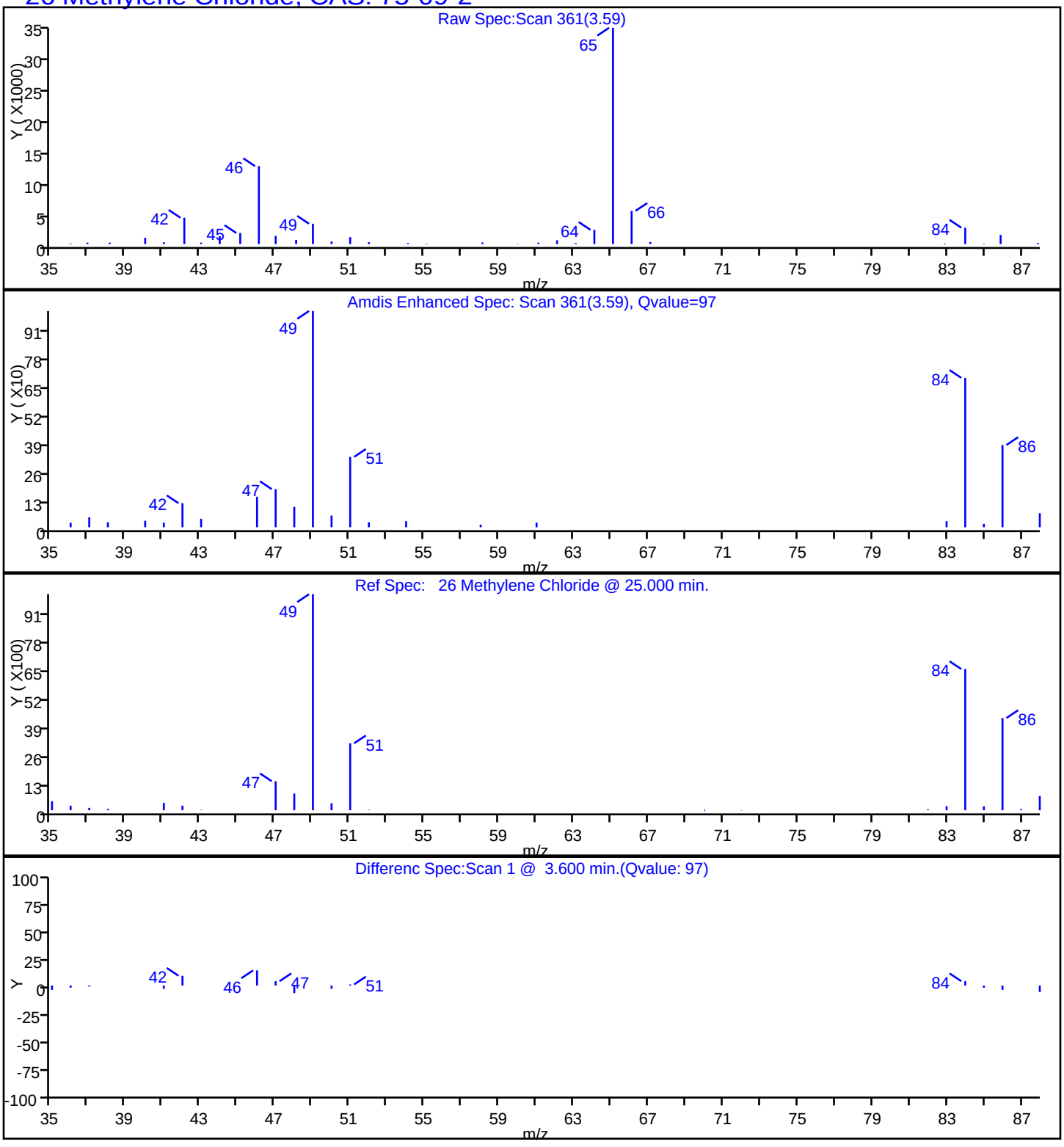
Report Date: 23-Aug-2016 19:32:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25158.D

Injection Date:	21-Aug-2016 16:13:30	Instrument ID:	CVOAMS4
Lims ID:	460-118857-B-14-A	Lab Sample ID:	460-118857-14
Client ID:	SB-7 (13-15) 08182016		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



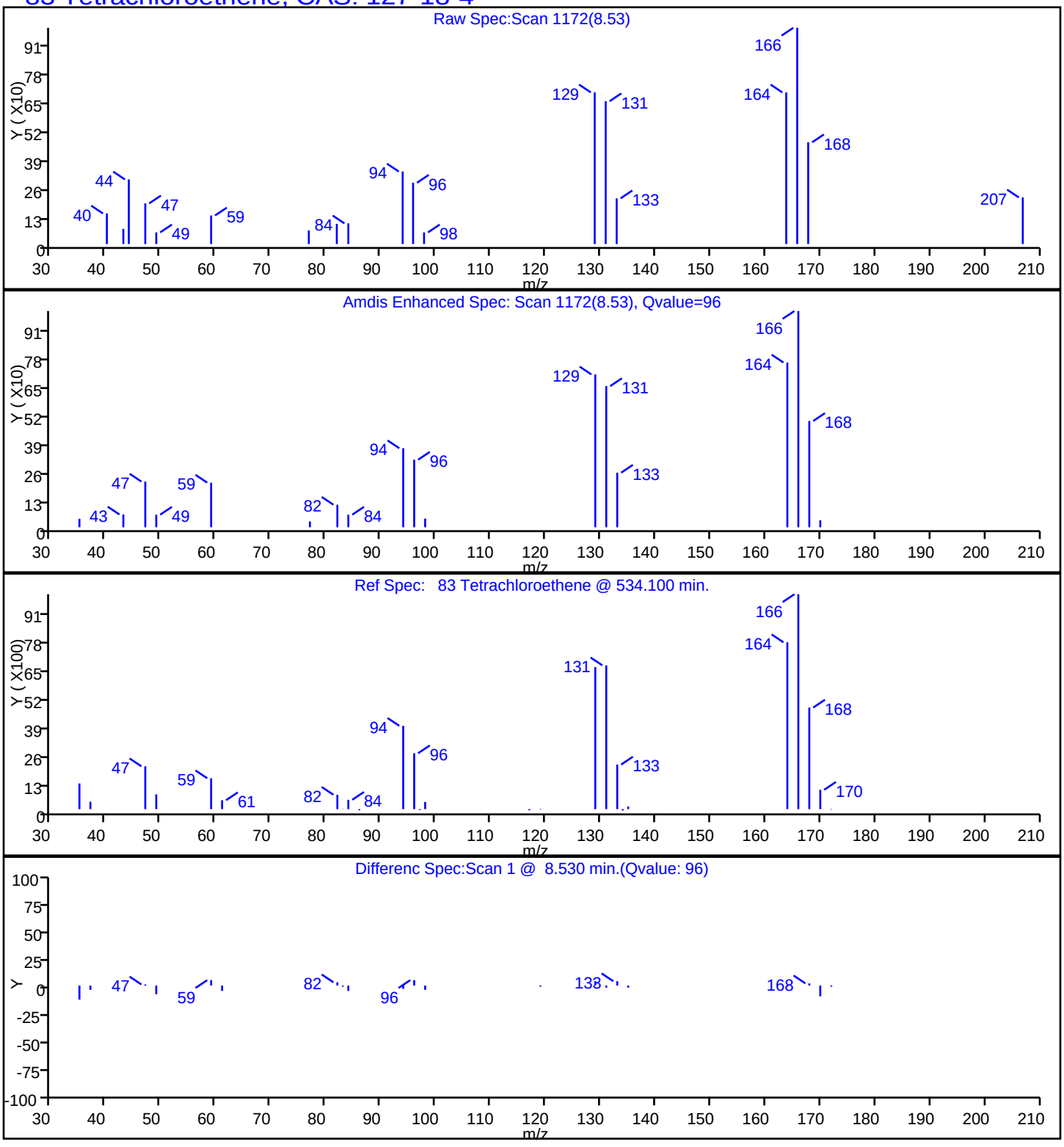
Report Date: 23-Aug-2016 19:32:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25158.D

Injection Date:	21-Aug-2016 16:13:30	Instrument ID:	CVOAMS4		
Lims ID:	460-118857-B-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: TB 08182016 | Lab Sample ID: 460-118857-15

Matrix: Water | Lab File ID: J44647.D

Analysis Method: 8260C | Date Collected: 08/18/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/20/2016 04:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U	50	8.7
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
74-97-5	Chlorobromomethane	1.0	U	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.22
75-00-3	Chloroethane	1.0	U	1.0	0.37
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: TB 08182016 | Lab Sample ID: 460-118857-15

Matrix: Water | Lab File ID: J44647.D

Analysis Method: 8260C | Date Collected: 08/18/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/20/2016 04:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32
79-20-9	Methyl acetate	5.0	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.13
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.8		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.17
127-18-4	Tetrachloroethene	1.0	U	1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	1.0	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
460-00-4	4-Bromofluorobenzene	99		77-124
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44647.D
Lims ID: 460-118857-A-15
Client ID: TB 08182016
Sample Type: Client
Inject. Date: 20-Aug-2016 04:02:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-A-15
Misc. Info.: 460-0044659-017
Operator ID: Instrument ID: CVOAMS8

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 21-Aug-2016 05:56:26 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: tupayachia Date: 21-Aug-2016 05:56:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
27 Methylene Chloride	84	2.840	2.838	0.002	32	8127	1.77	
* 26 TBA-d9 (IS)	65	2.840	2.844	-0.004	82	309466	1000.0	
* 38 2-Butanone-d5	46	4.191	4.189	0.002	86	406740	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.755	4.759	-0.004	97	210636	47.9	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.173	5.176	-0.003	96	250153	47.9	
* 62 Fluorobenzene	96	5.496	5.494	0.002	98	932469	50.0	
* 68 1,4-Dioxane-d8	96	6.312	6.299	0.013	91	43543	1000.0	
$ 79 Toluene-d8 (Surr)	98	7.394	7.391	0.003	99	933226	49.5	
* 90 Chlorobenzene-d5	117	9.327	9.324	0.003	86	727685	50.0	
$ 101 4-Bromofluorobenzene	174	10.513	10.511	0.002	90	296973	49.3	
* 117 1,4-Dichlorobenzene-d4	152	11.383	11.387	-0.004	96	387847	50.0	

Reagents:

8260ISNEW_00081 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00138 Amount Added: 1.00 Units: uL Run Reagent

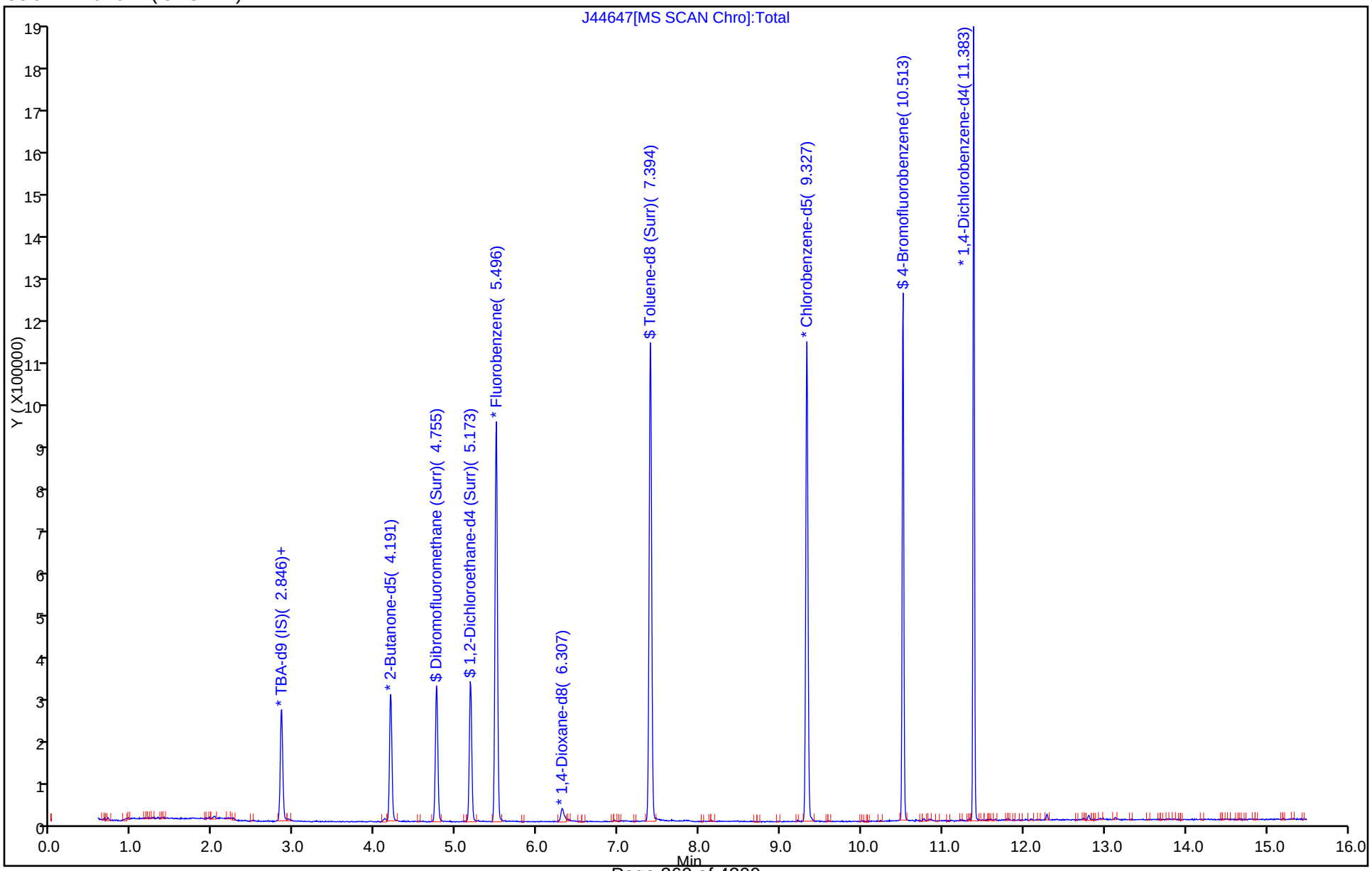
Report Date: 21-Aug-2016 05:56:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44647.D

Injection Date:	20-Aug-2016 04:02:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-118857-A-15	Lab Sample ID:	460-118857-15	Worklist Smp#:	17
Client ID:	TB 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



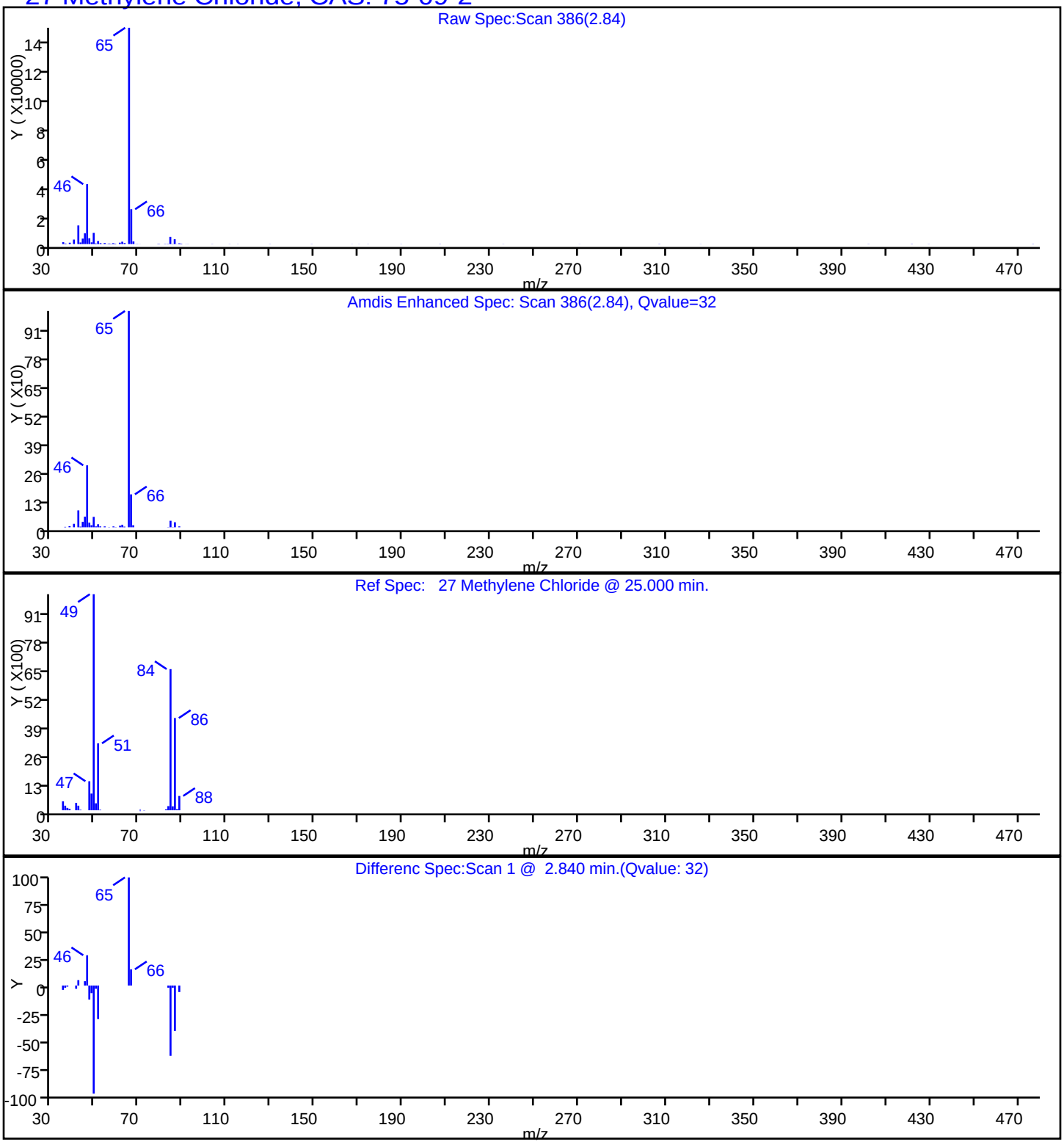
Report Date: 21-Aug-2016 05:56:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44647.D

Injection Date:	20-Aug-2016 04:02:30	Instrument ID:	CVOAMS8		
Lims ID:	460-118857-A-15	Lab Sample ID:	460-118857-15		
Client ID:	TB 08182016				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(2-4)-08192016 | Lab Sample ID: 460-118926-1

Matrix: Solid | Lab File ID: K57004.D

Analysis Method: 8260C | Date Collected: 08/19/2016 08:14

Sample wt/vol: 6.106(g) | Date Analyzed: 08/21/2016 14:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 7.5 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	0.34
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.88	U	0.88	0.39
79-00-5	1,1,2-Trichloroethane	0.88	U	0.88	0.25
75-34-3	1,1-Dichloroethane	0.88	U	0.88	0.30
75-35-4	1,1-Dichloroethene	0.88	U	0.88	0.36
87-61-6	1,2,3-Trichlorobenzene	0.88	U	0.88	0.097
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	0.88	U	0.88	0.42
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	0.12
107-06-2	1,2-Dichloroethane	0.88	U	0.88	0.097
78-87-5	1,2-Dichloropropane	0.88	U	0.88	0.15
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	0.11
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	0.12
123-91-1	1,4-Dioxane	18	U	18	5.7
78-93-3	2-Butanone (MEK)	4.4	U	4.4	0.68
591-78-6	2-Hexanone	4.4	U	4.4	0.83
108-10-1	4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	2.0
67-64-1	Acetone	16		4.4	0.94
75-05-8	Acetonitrile	8.8	U	8.8	3.6
107-02-8	Acrolein	88	U	88	14
71-43-2	Benzene	0.88	U	0.88	0.18
75-25-2	Bromoform	0.88	U *	0.88	0.12
74-83-9	Bromomethane	0.88	U	0.88	0.28
75-15-0	Carbon disulfide	0.88	U	0.88	0.38
56-23-5	Carbon tetrachloride	0.88	U	0.88	0.38
108-90-7	Chlorobenzene	0.88	U	0.88	0.12
74-97-5	Chlorobromomethane	0.88	U	0.88	0.15
124-48-1	Chlorodibromomethane	0.88	U	0.88	0.13
75-00-3	Chloroethane	0.88	U	0.88	0.31
67-66-3	Chloroform	0.88	U	0.88	0.19
74-87-3	Chloromethane	0.88	U	0.88	0.34
156-59-2	cis-1,2-Dichloroethene	0.88	U	0.88	0.19
10061-01-5	cis-1,3-Dichloropropene	0.88	U	0.88	0.13
110-82-7	Cyclohexane	0.88	U	0.88	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(2-4)-08192016 | Lab Sample ID: 460-118926-1

Matrix: Solid | Lab File ID: K57004.D

Analysis Method: 8260C | Date Collected: 08/19/2016 08:14

Sample wt/vol: 6.106(g) | Date Analyzed: 08/21/2016 14:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 7.5 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.88	U	0.88	0.34
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	0.28
100-41-4	Ethylbenzene	0.88	U	0.88	0.16
106-93-4	Ethylene Dibromide	0.88	U	0.88	0.11
98-82-8	Isopropylbenzene	0.88	U	0.88	0.15
79-20-9	Methyl acetate	1.6	J	4.4	0.80
1634-04-4	Methyl tert-butyl ether	0.88	U	0.88	0.15
108-87-2	Methylcyclohexane	0.88	U	0.88	0.44
75-09-2	Methylene Chloride	1.3		0.88	0.28
179601-23-1	m-Xylene & p-Xylene	0.88	U	0.88	0.097
95-47-6	o-Xylene	0.88	U	0.88	0.14
100-42-5	Styrene	0.88	U	0.88	0.13
75-65-0	TBA	8.8	U	8.8	3.1
127-18-4	Tetrachloroethene	0.38	J	0.88	0.25
108-88-3	Toluene	0.88	U	0.88	0.17
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	0.35
10061-02-6	trans-1,3-Dichloropropene	0.88	U	0.88	0.088
79-01-6	Trichloroethene	3.8		0.88	0.23
75-69-4	Trichlorofluoromethane	0.88	U	0.88	0.30
75-01-4	Vinyl chloride	0.88	U	0.88	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		78-135
460-00-4	4-Bromofluorobenzene	114		67-126
1868-53-7	Dibromofluoromethane (Surr)	109		61-149
2037-26-5	Toluene-d8 (Surr)	96		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57004.D
Lims ID: 460-118926-B-1-A
Client ID: SB-1(2-4)-08192016
Sample Type: Client
Inject. Date: 21-Aug-2016 14:18:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118926-B-1-A
Misc. Info.: 460-0044683-018
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2016 12:18:26 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:52:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.075	3.063	0.012	85	31105	18.6	
23 Methyl acetate	43	3.319	3.313	0.006	98	5542	1.77	
* 25 TBA-d9 (IS)	65	3.441	3.423	0.018	99	585989	1000.0	
26 Methylene Chloride	84	3.447	3.441	0.006	65	9834	1.47	
* 38 2-Butanone-d5	46	4.545	4.538	0.007	99	419250	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.038	5.032	0.006	0	258563	54.6	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	97	275575	48.9	
* 61 Fluorobenzene	96	5.679	5.672	0.007	99	655810	50.0	
63 Trichloroethene	95	6.032	6.038	-0.006	96	19398	4.30	
* 67 1,4-Dioxane-d8	96	6.380	6.386	-0.006	98	37719	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	866376	47.8	
83 Tetrachloroethene	166	8.068	8.074	-0.006	91	2039	0.4242	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	87	539741	50.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	334177	57.2	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	365643	50.0	

Reagents:

8260ISNEW_00079	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added: 1.00	Units: uL	Run Reagent

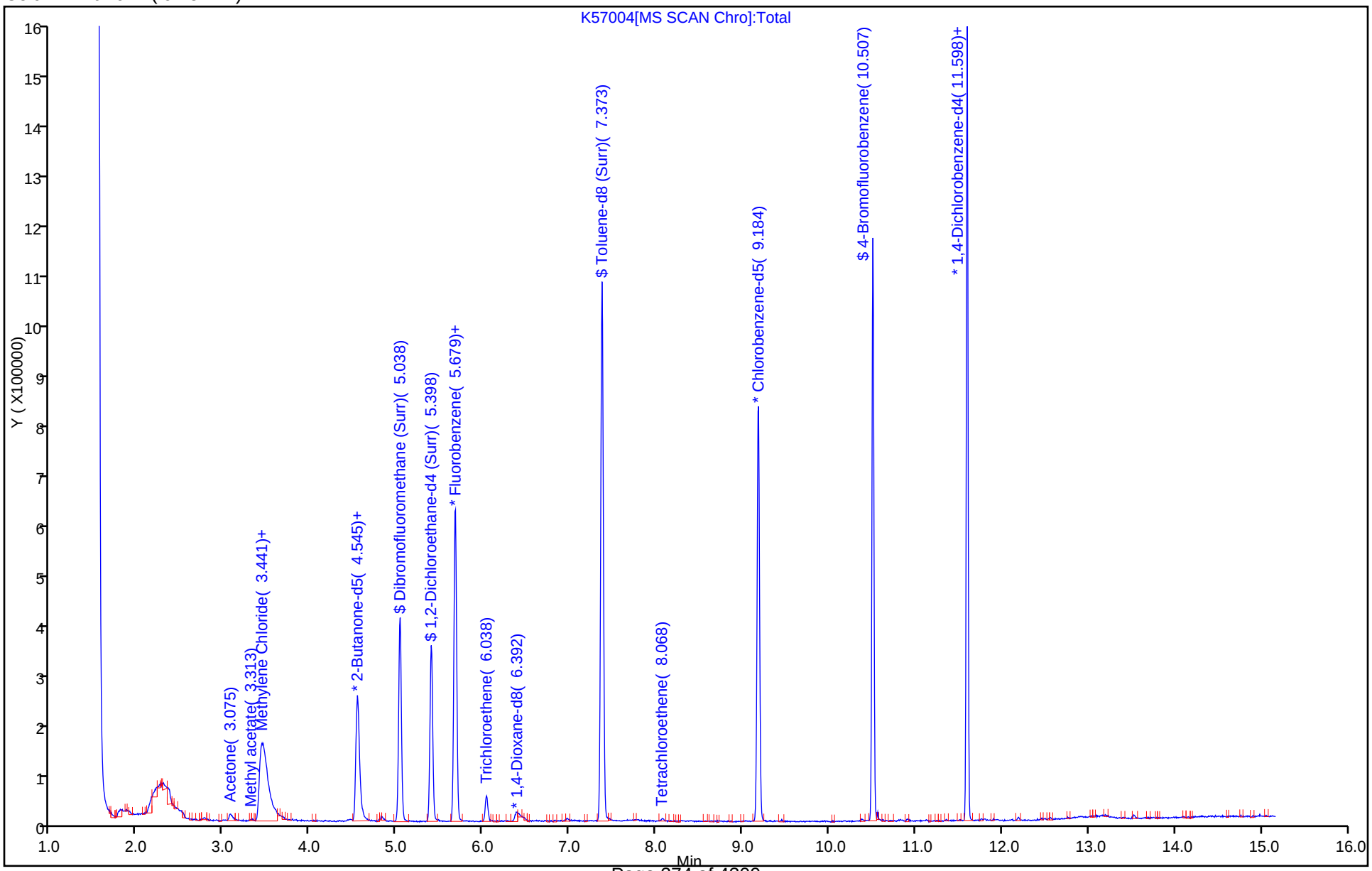
Report Date: 25-Aug-2016 12:18:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57004.D

Injection Date:	21-Aug-2016 14:18:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	460-118926-B-1-A	Lab Sample ID:	460-118926-1	Worklist Smp#:	18
Client ID:	SB-1(2-4)-08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



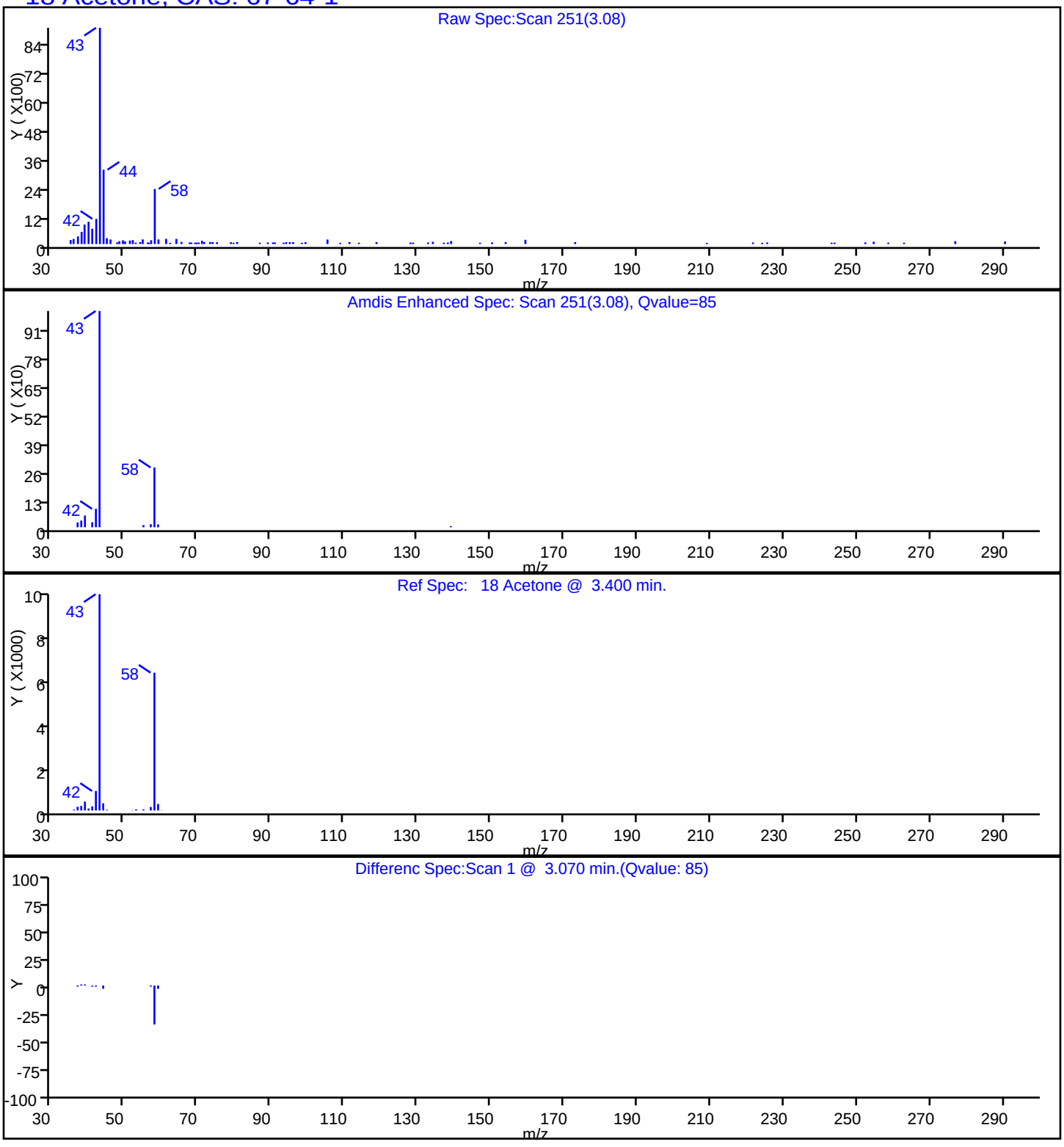
Report Date: 25-Aug-2016 12:18:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57004.D

Injection Date:	21-Aug-2016 14:18:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-1-A	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



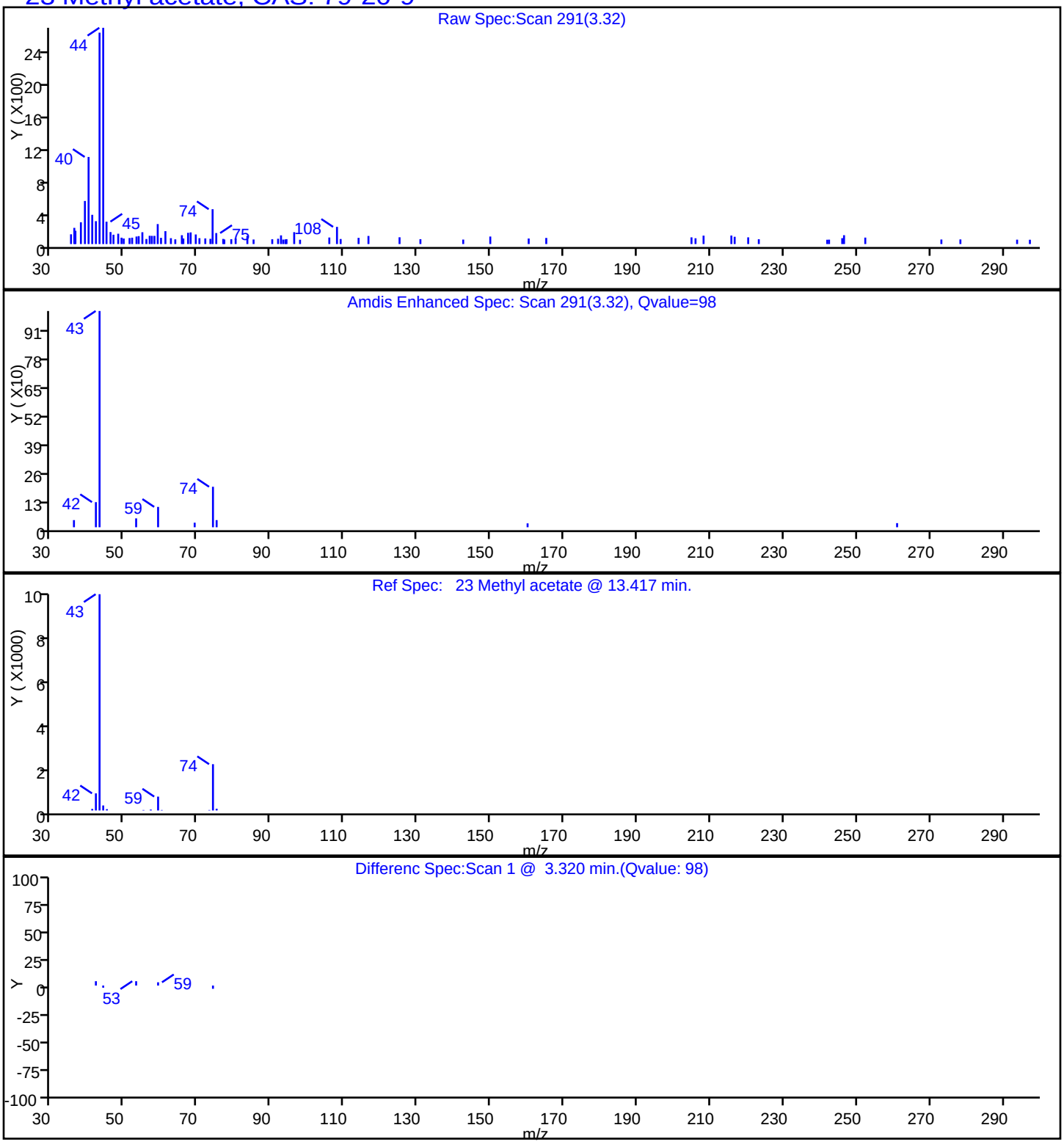
Report Date: 25-Aug-2016 12:18:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57004.D

Injection Date:	21-Aug-2016 14:18:30	Instrument ID:	CVOAMS9
Lims ID:	460-118926-B-1-A	Lab Sample ID:	460-118926-1
Client ID:	SB-1(2-4)-08192016		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

23 Methyl acetate, CAS: 79-20-9



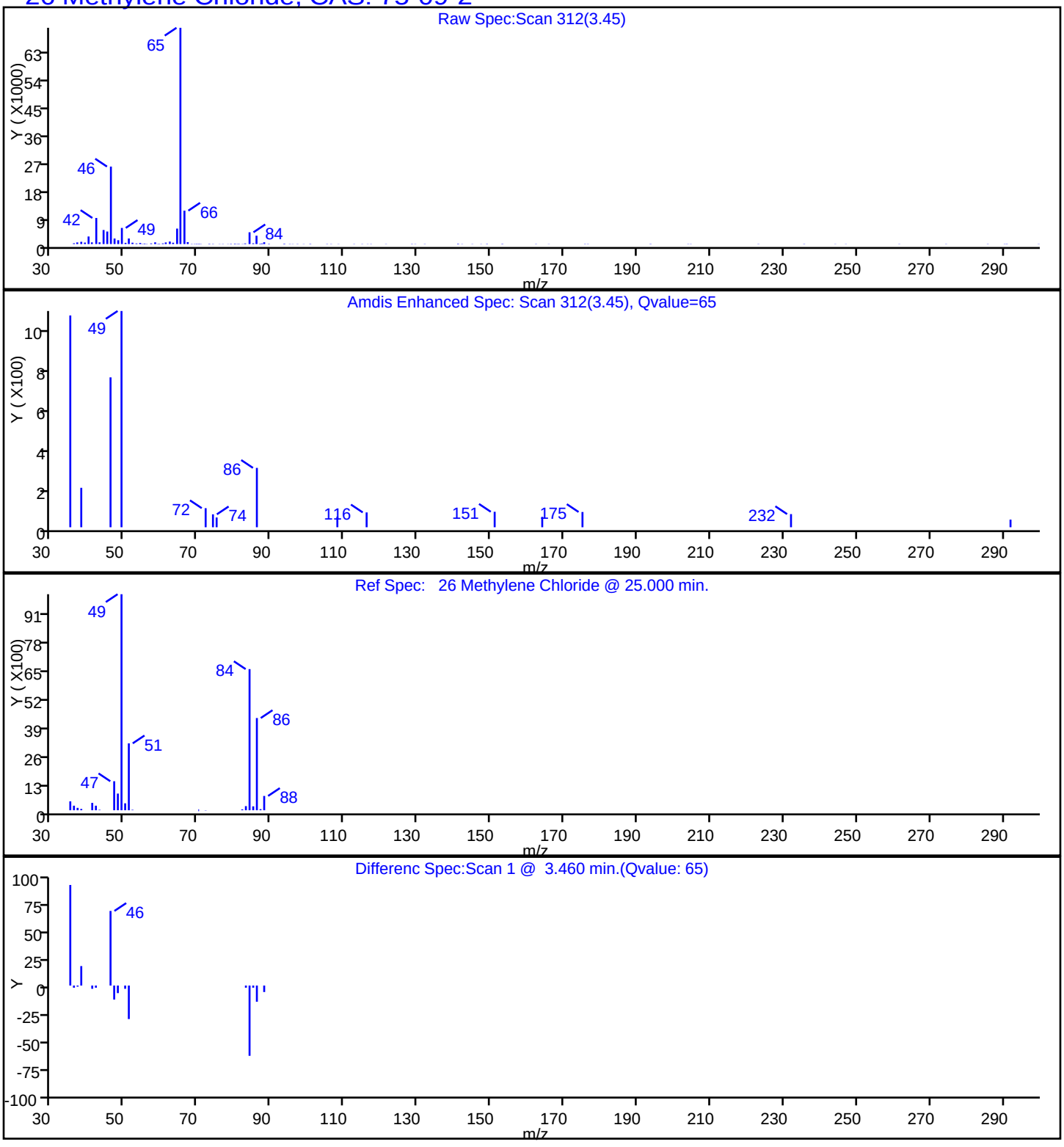
Report Date: 25-Aug-2016 12:18:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57004.D

Injection Date:	21-Aug-2016 14:18:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-1-A	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

26 Methylene Chloride, CAS: 75-09-2



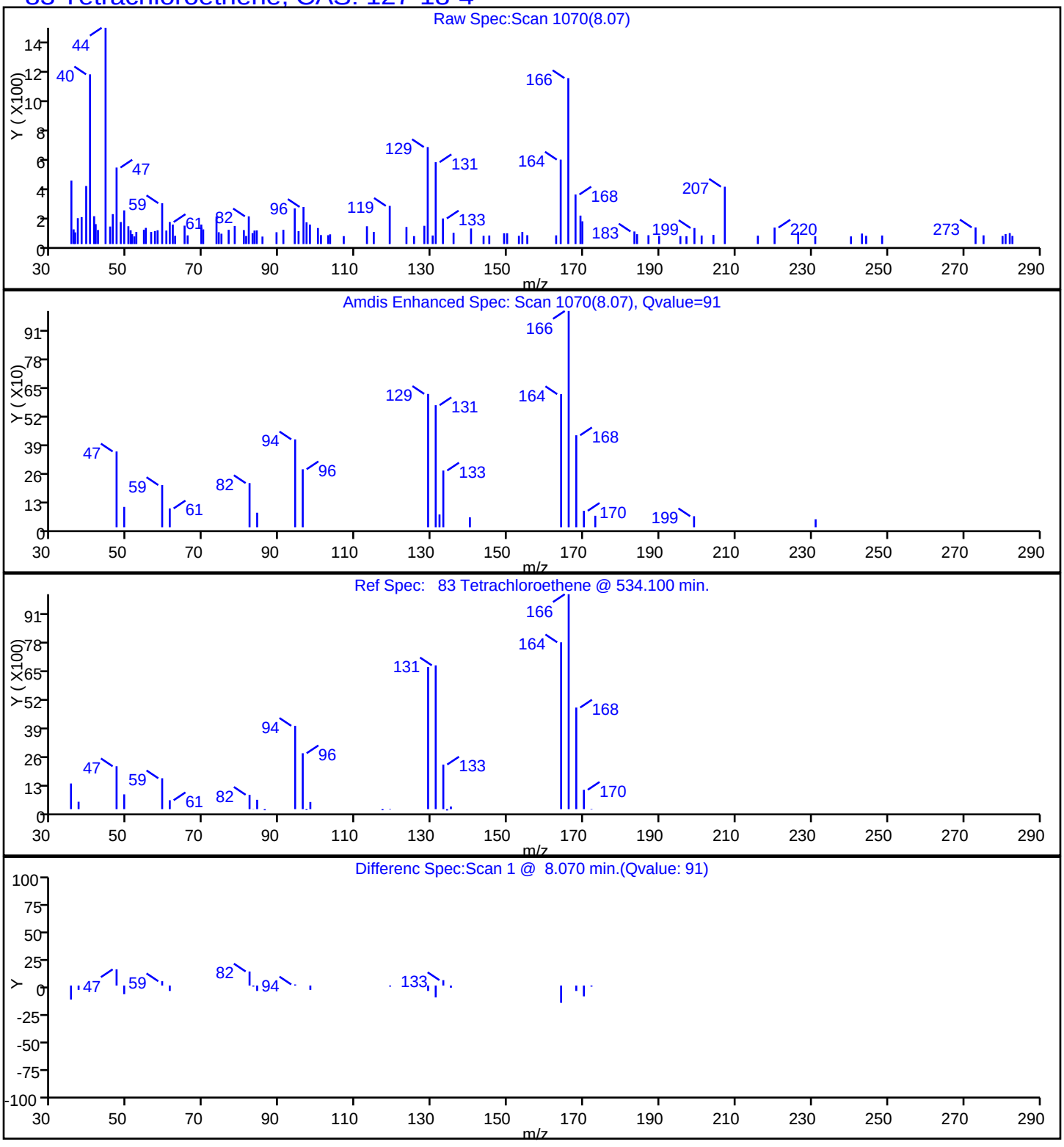
Report Date: 25-Aug-2016 12:18:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57004.D

Injection Date:	21-Aug-2016 14:18:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-1-A	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Tetrachloroethene, CAS: 127-18-4

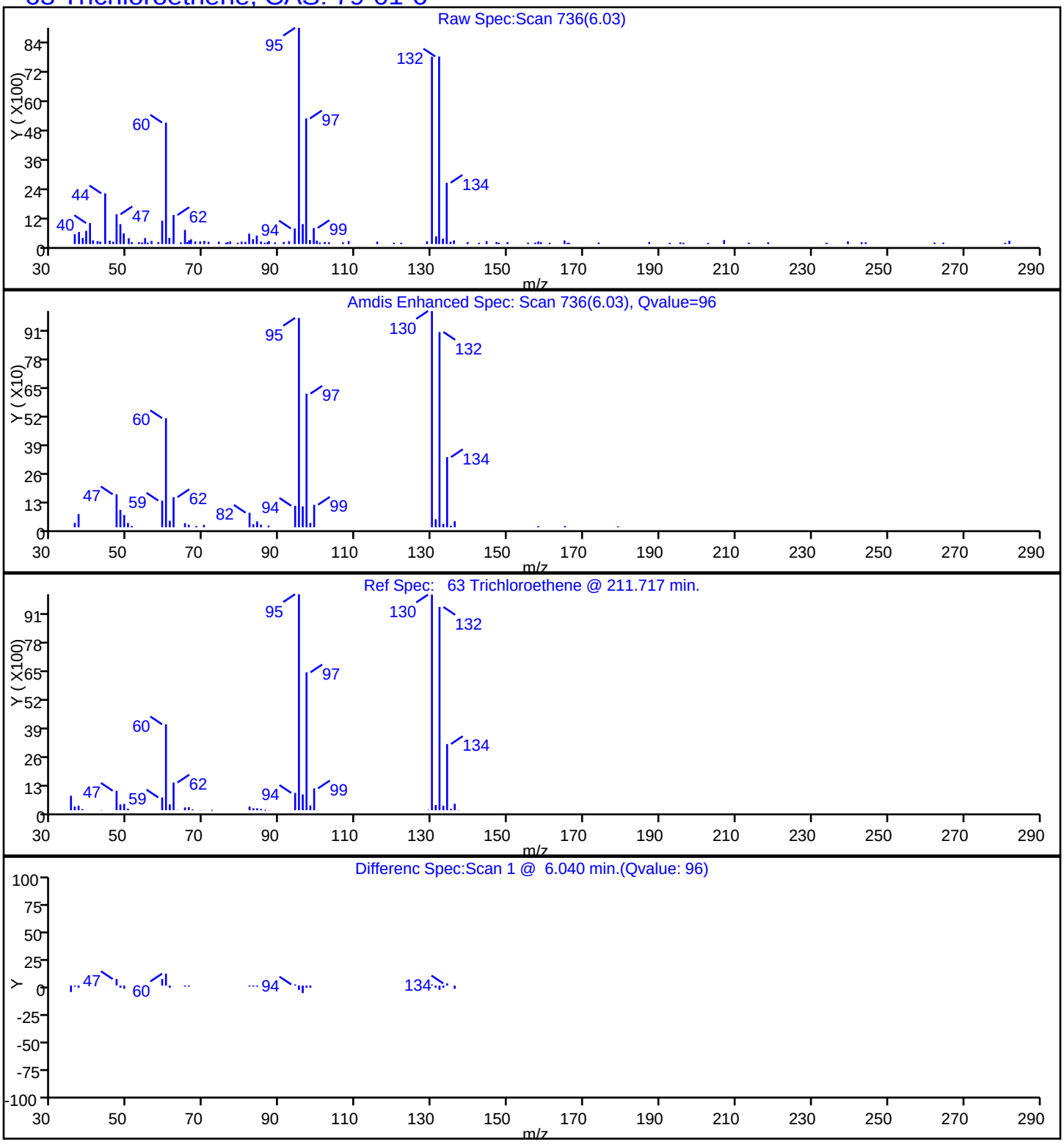


Report Date: 25-Aug-2016 12:18:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57004.D				
Injection Date:	21-Aug-2016 14:18:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-1-A	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(12-14)-08192016 | Lab Sample ID: 460-118926-2

Matrix: Solid | Lab File ID: K57005.D

Analysis Method: 8260C | Date Collected: 08/19/2016 08:40

Sample wt/vol: 5.646(g) | Date Analyzed: 08/21/2016 14:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.2 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	0.35
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.93	0.16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.93	U	0.93	0.41
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	0.26
75-34-3	1,1-Dichloroethane	0.93	U	0.93	0.32
75-35-4	1,1-Dichloroethene	0.93	U	0.93	0.38
87-61-6	1,2,3-Trichlorobenzene	0.93	U	0.93	0.10
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	0.93	U	0.93	0.44
95-50-1	1,2-Dichlorobenzene	0.93	U	0.93	0.13
107-06-2	1,2-Dichloroethane	0.93	U	0.93	0.10
78-87-5	1,2-Dichloropropane	0.93	U	0.93	0.16
541-73-1	1,3-Dichlorobenzene	0.93	U	0.93	0.11
106-46-7	1,4-Dichlorobenzene	0.93	U	0.93	0.12
123-91-1	1,4-Dioxane	19	U	19	6.0
78-93-3	2-Butanone (MEK)	3.0	J	4.7	0.72
591-78-6	2-Hexanone	4.7	U	4.7	0.88
108-10-1	4-Methyl-2-pentanone (MIBK)	4.7	U	4.7	2.1
67-64-1	Acetone	31		4.7	0.99
75-05-8	Acetonitrile	9.3	U	9.3	3.8
107-02-8	Acrolein	93	U	93	15
71-43-2	Benzene	0.93	U	0.93	0.19
75-25-2	Bromoform	0.93	U *	0.93	0.12
74-83-9	Bromomethane	0.93	U	0.93	0.30
75-15-0	Carbon disulfide	0.93	U	0.93	0.40
56-23-5	Carbon tetrachloride	0.93	U	0.93	0.40
108-90-7	Chlorobenzene	0.93	U	0.93	0.13
74-97-5	Chlorobromomethane	0.93	U	0.93	0.16
124-48-1	Chlorodibromomethane	0.93	U	0.93	0.14
75-00-3	Chloroethane	0.93	U	0.93	0.33
67-66-3	Chloroform	0.93	U	0.93	0.20
74-87-3	Chloromethane	0.93	U	0.93	0.35
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	0.21
10061-01-5	cis-1,3-Dichloropropene	0.93	U	0.93	0.14
110-82-7	Cyclohexane	0.93	U	0.93	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(12-14)-08192016 | Lab Sample ID: 460-118926-2

Matrix: Solid | Lab File ID: K57005.D

Analysis Method: 8260C | Date Collected: 08/19/2016 08:40

Sample wt/vol: 5.646(g) | Date Analyzed: 08/21/2016 14:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.2 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.93	U	0.93	0.35
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	0.30
100-41-4	Ethylbenzene	0.93	U	0.93	0.17
106-93-4	Ethylene Dibromide	0.93	U	0.93	0.11
98-82-8	Isopropylbenzene	0.93	U	0.93	0.16
79-20-9	Methyl acetate	4.7	U	4.7	0.84
1634-04-4	Methyl tert-butyl ether	0.93	U	0.93	0.16
108-87-2	Methylcyclohexane	0.93	U	0.93	0.47
75-09-2	Methylene Chloride	1.3		0.93	0.30
179601-23-1	m-Xylene & p-Xylene	0.93	U	0.93	0.10
95-47-6	o-Xylene	0.93	U	0.93	0.15
100-42-5	Styrene	0.93	U	0.93	0.14
75-65-0	TBA	9.3	U	9.3	3.3
127-18-4	Tetrachloroethene	0.93	U	0.93	0.26
108-88-3	Toluene	0.93	U	0.93	0.18
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	0.36
10061-02-6	trans-1,3-Dichloropropene	0.93	U	0.93	0.093
79-01-6	Trichloroethene	0.93	U	0.93	0.24
75-69-4	Trichlorofluoromethane	0.93	U	0.93	0.32
75-01-4	Vinyl chloride	0.93	U	0.93	0.36

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		78-135
460-00-4	4-Bromofluorobenzene	118		67-126
1868-53-7	Dibromofluoromethane (Surr)	115		61-149
2037-26-5	Toluene-d8 (Surr)	98		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57005.D
Lims ID: 460-118926-B-2-A
Client ID: SB-1(12-14)-08192016
Sample Type: Client
Inject. Date: 21-Aug-2016 14:44:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118926-B-2-A
Misc. Info.: 460-0044683-019
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2016 12:19:03 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:52:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.069	3.063	0.006	86	47959	32.9	
* 25 TBA-d9 (IS)	65	3.447	3.423	0.024	99	485305	1000.0	
26 Methylene Chloride	84	3.447	3.441	0.006	34	9446	1.42	
* 38 2-Butanone-d5	46	4.545	4.538	0.007	99	365576	250.0	
42 2-Butanone (MEK)	72	4.606	4.593	0.013	98	1614	3.17	
$ 51 Dibromofluoromethane (Surr	113	5.038	5.032	0.006	0	266566	57.3	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	98	274202	49.5	
* 61 Fluorobenzene	96	5.679	5.672	0.007	99	644228	50.0	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	97	32409	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	876512	49.1	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	87	532157	50.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	341063	59.2	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	359914	50.0	

Reagents:

8260ISNEW_00079	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added: 1.00	Units: uL	Run Reagent

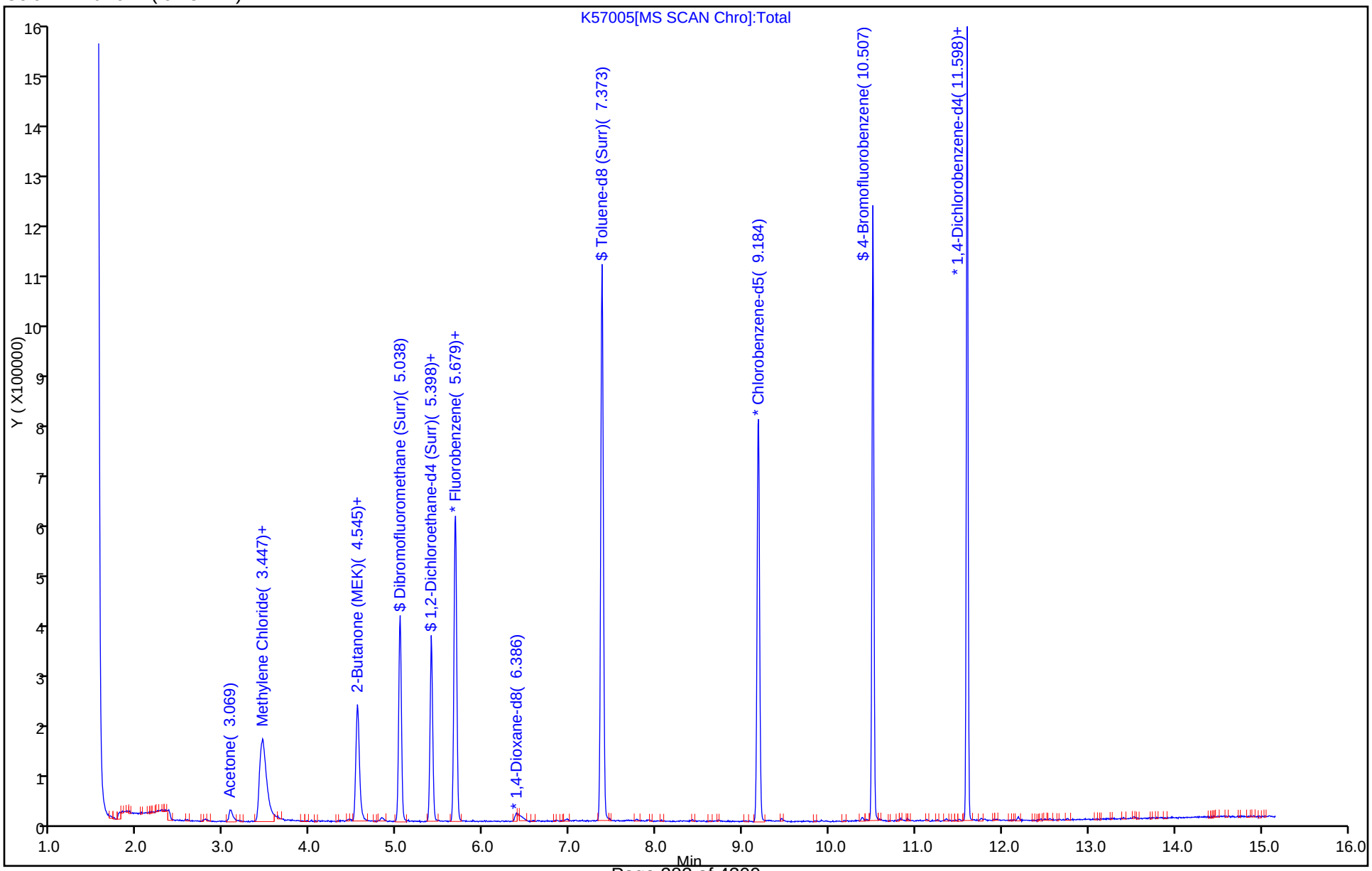
Report Date: 25-Aug-2016 12:19:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57005.D

Injection Date:	21-Aug-2016 14:44:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	460-118926-B-2-A	Lab Sample ID:	460-118926-2	Worklist Smp#:	19
Client ID:	SB-1(12-14)-08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



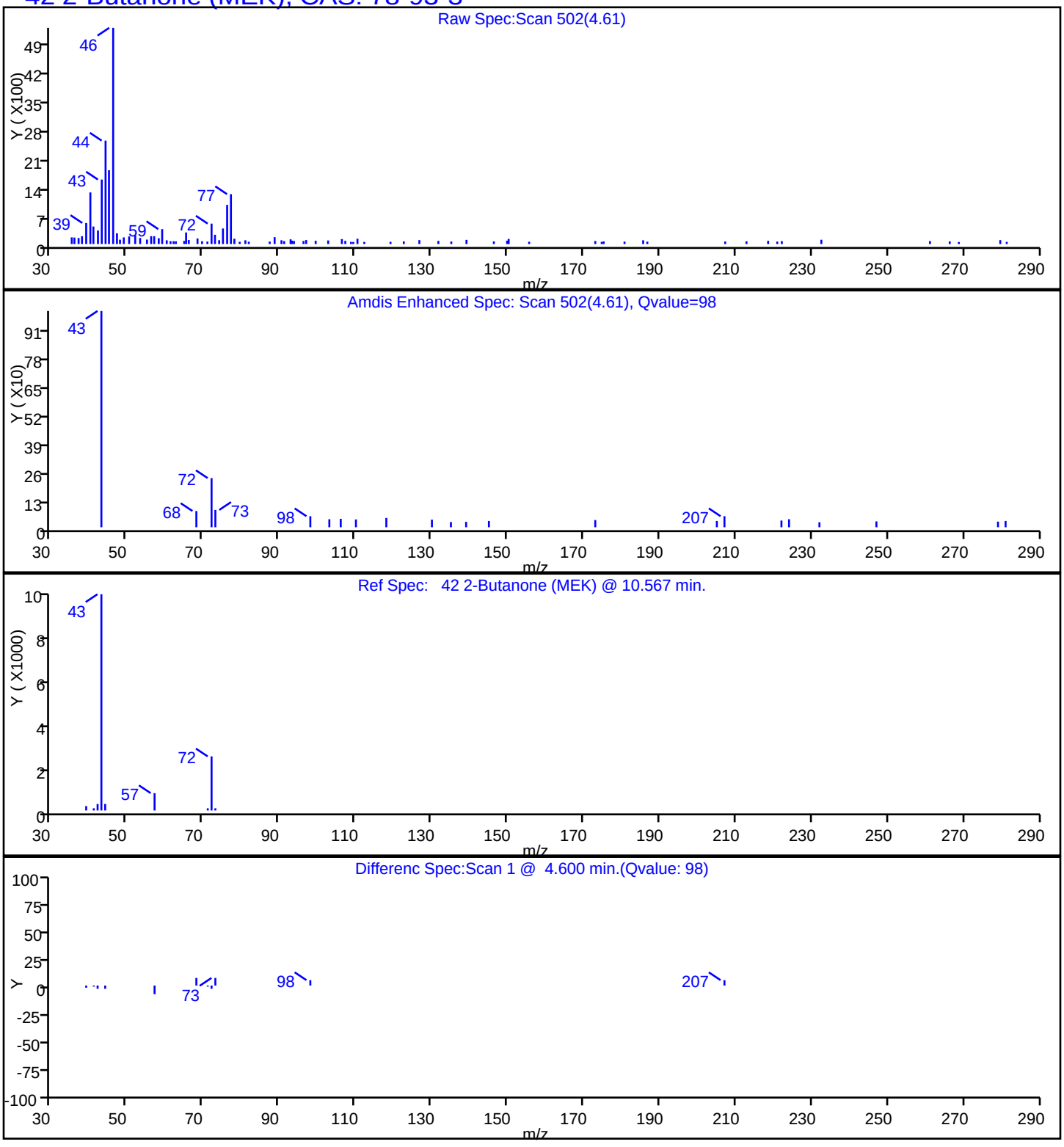
Report Date: 25-Aug-2016 12:19:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57005.D

Injection Date:	21-Aug-2016 14:44:30	Instrument ID:	CVOAMS9
Lims ID:	460-118926-B-2-A	Lab Sample ID:	460-118926-2
Client ID:	SB-1(12-14)-08192016		
Operator ID:		ALS Bottle#:	18 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

42 2-Butanone (MEK), CAS: 78-93-3



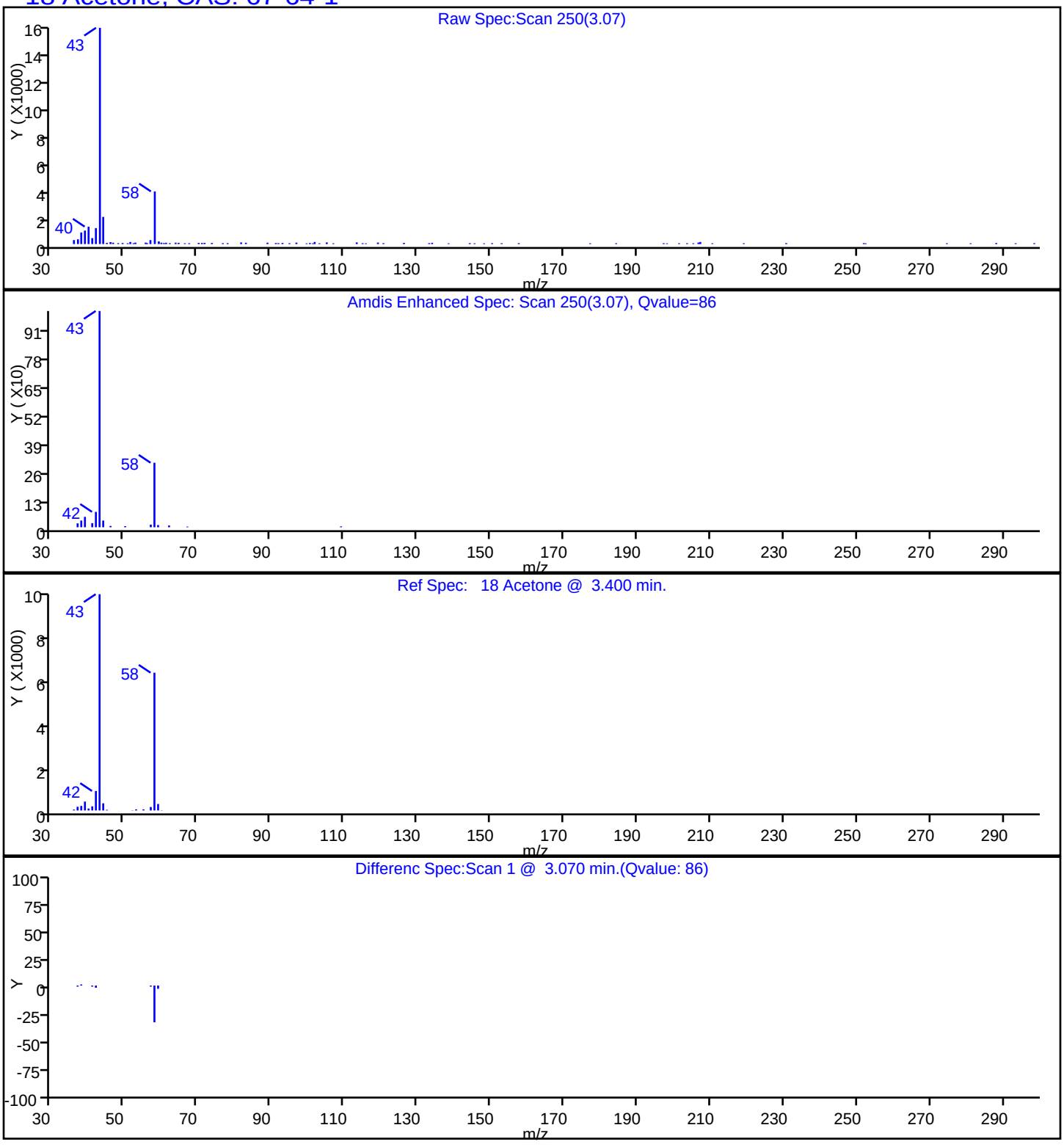
Report Date: 25-Aug-2016 12:19:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57005.D

Injection Date:	21-Aug-2016 14:44:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



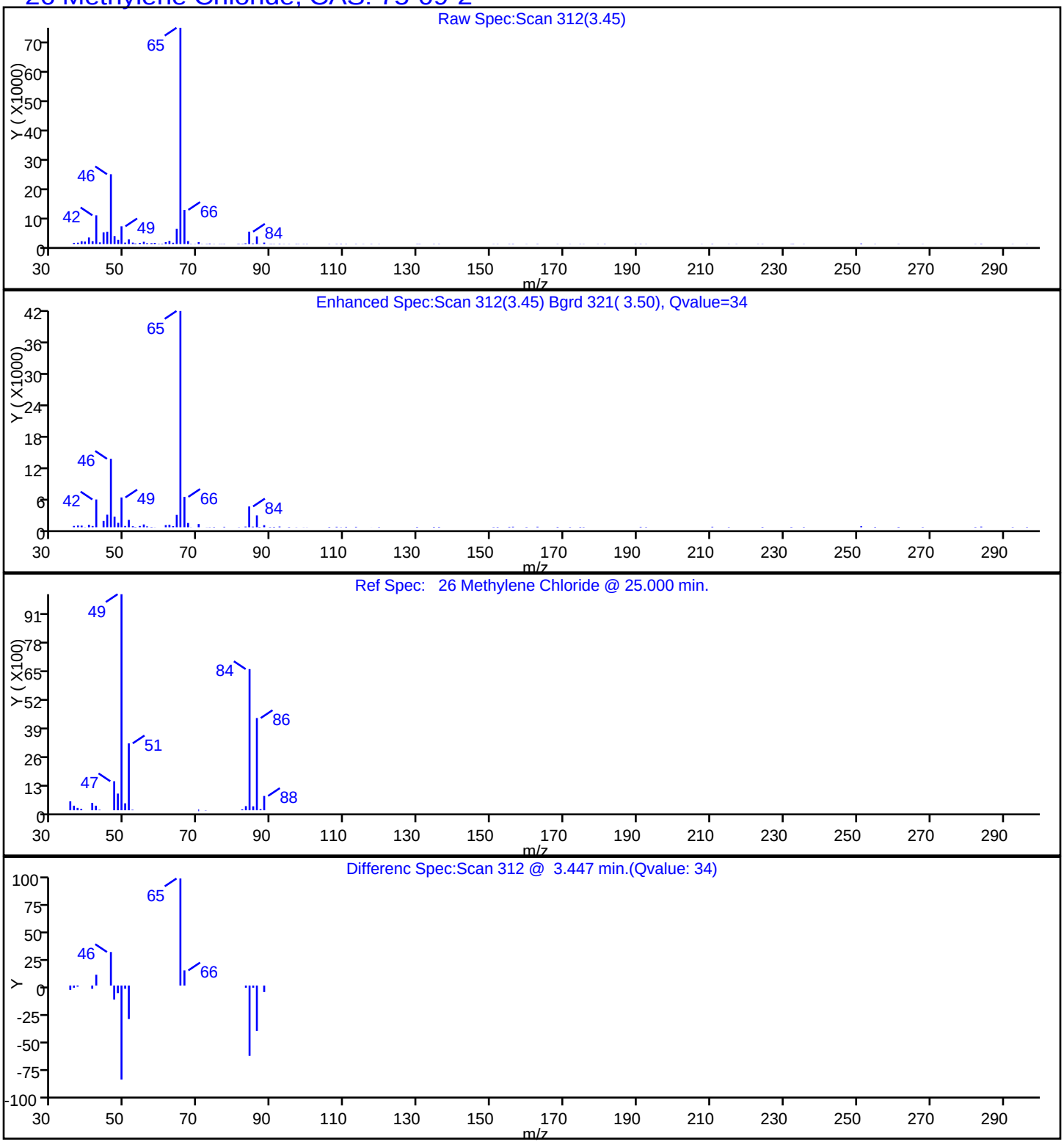
Report Date: 25-Aug-2016 12:19:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57005.D

Injection Date:	21-Aug-2016 14:44:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(2-4)08192016 | Lab Sample ID: 460-118926-3

Matrix: Solid | Lab File ID: K57006.D

Analysis Method: 8260C | Date Collected: 08/19/2016 09:02

Sample wt/vol: 6.512(g) | Date Analyzed: 08/21/2016 15:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 10.3 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	0.33
79-34-5	1,1,2,2-Tetrachloroethane	0.86	U	0.86	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.86	U	0.86	0.38
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	0.24
75-34-3	1,1-Dichloroethane	0.86	U	0.86	0.29
75-35-4	1,1-Dichloroethene	0.86	U	0.86	0.35
87-61-6	1,2,3-Trichlorobenzene	0.86	U	0.86	0.094
120-82-1	1,2,4-Trichlorobenzene	0.86	U	0.86	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	0.40
95-50-1	1,2-Dichlorobenzene	0.86	U	0.86	0.12
107-06-2	1,2-Dichloroethane	0.86	U	0.86	0.094
78-87-5	1,2-Dichloropropane	0.86	U	0.86	0.15
541-73-1	1,3-Dichlorobenzene	0.86	U	0.86	0.10
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	0.11
123-91-1	1,4-Dioxane	17	U	17	5.5
78-93-3	2-Butanone (MEK)	4.3	U	4.3	0.66
591-78-6	2-Hexanone	4.3	U	4.3	0.80
108-10-1	4-Methyl-2-pentanone (MIBK)	4.3	U	4.3	1.9
67-64-1	Acetone	22		4.3	0.91
75-05-8	Acetonitrile	8.6	U	8.6	3.5
107-02-8	Acrolein	86	U	86	13
71-43-2	Benzene	0.86	U	0.86	0.17
75-25-2	Bromoform	0.86	U *	0.86	0.11
74-83-9	Bromomethane	0.86	U	0.86	0.27
75-15-0	Carbon disulfide	0.86	U	0.86	0.37
56-23-5	Carbon tetrachloride	0.86	U	0.86	0.37
108-90-7	Chlorobenzene	0.86	U	0.86	0.12
74-97-5	Chlorobromomethane	0.86	U	0.86	0.15
124-48-1	Chlorodibromomethane	0.86	U	0.86	0.13
75-00-3	Chloroethane	0.86	U	0.86	0.30
67-66-3	Chloroform	0.86	U	0.86	0.18
74-87-3	Chloromethane	0.86	U	0.86	0.33
156-59-2	cis-1,2-Dichloroethene	0.86	U	0.86	0.19
10061-01-5	cis-1,3-Dichloropropene	0.86	U	0.86	0.13
110-82-7	Cyclohexane	0.86	U	0.86	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(2-4)08192016 | Lab Sample ID: 460-118926-3

Matrix: Solid | Lab File ID: K57006.D

Analysis Method: 8260C | Date Collected: 08/19/2016 09:02

Sample wt/vol: 6.512(g) | Date Analyzed: 08/21/2016 15:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 10.3 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.86	U	0.86	0.33
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	0.27
100-41-4	Ethylbenzene	0.86	U	0.86	0.15
106-93-4	Ethylene Dibromide	0.86	U	0.86	0.10
98-82-8	Isopropylbenzene	0.86	U	0.86	0.15
79-20-9	Methyl acetate	4.3	U	4.3	0.77
1634-04-4	Methyl tert-butyl ether	0.86	U	0.86	0.15
108-87-2	Methylcyclohexane	0.86	U	0.86	0.43
75-09-2	Methylene Chloride	0.82	J	0.86	0.27
179601-23-1	m-Xylene & p-Xylene	0.86	U	0.86	0.094
95-47-6	o-Xylene	0.86	U	0.86	0.14
100-42-5	Styrene	0.86	U	0.86	0.13
75-65-0	TBA	8.6	U	8.6	3.0
127-18-4	Tetrachloroethene	36		0.86	0.24
108-88-3	Toluene	0.42	J	0.86	0.16
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	0.33
10061-02-6	trans-1,3-Dichloropropene	0.86	U	0.86	0.086
79-01-6	Trichloroethene	0.34	J	0.86	0.22
75-69-4	Trichlorofluoromethane	0.86	U	0.86	0.29
75-01-4	Vinyl chloride	0.86	U	0.86	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		78-135
460-00-4	4-Bromofluorobenzene	117		67-126
1868-53-7	Dibromofluoromethane (Surr)	113		61-149
2037-26-5	Toluene-d8 (Surr)	99		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57006.D
Lims ID: 460-118926-B-3-A
Client ID: SB-2(2-4)08192016
Sample Type: Client
Inject. Date: 21-Aug-2016 15:10:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118926-B-3-A
Misc. Info.: 460-0044683-020
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2016 12:19:31 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:53:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.069	3.063	0.006	84	38447	25.9	
* 25 TBA-d9 (IS)	65	3.441	3.423	0.018	100	504765	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	55	7168	0.9628	
* 38 2-Butanone-d5	46	4.539	4.538	0.001	99	372439	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	258193	56.5	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	97	270666	49.8	
* 61 Fluorobenzene	96	5.673	5.672	0.000	98	632333	50.0	
63 Trichloroethene	95	6.032	6.038	-0.006	92	1739	0.4001	
* 67 1,4-Dioxane-d8	96	6.380	6.386	-0.006	97	32769	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	887821	49.6	
79 Toluene	91	7.453	7.452	0.001	92	9811	0.4851	
83 Tetrachloroethene	166	8.074	8.074	0.000	97	201503	42.4	
* 89 Chlorobenzene-d5	117	9.178	9.184	-0.006	87	533016	50.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	338724	58.7	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	350908	50.0	

Reagents:

8260ISNEW_00079	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added: 1.00	Units: uL	Run Reagent

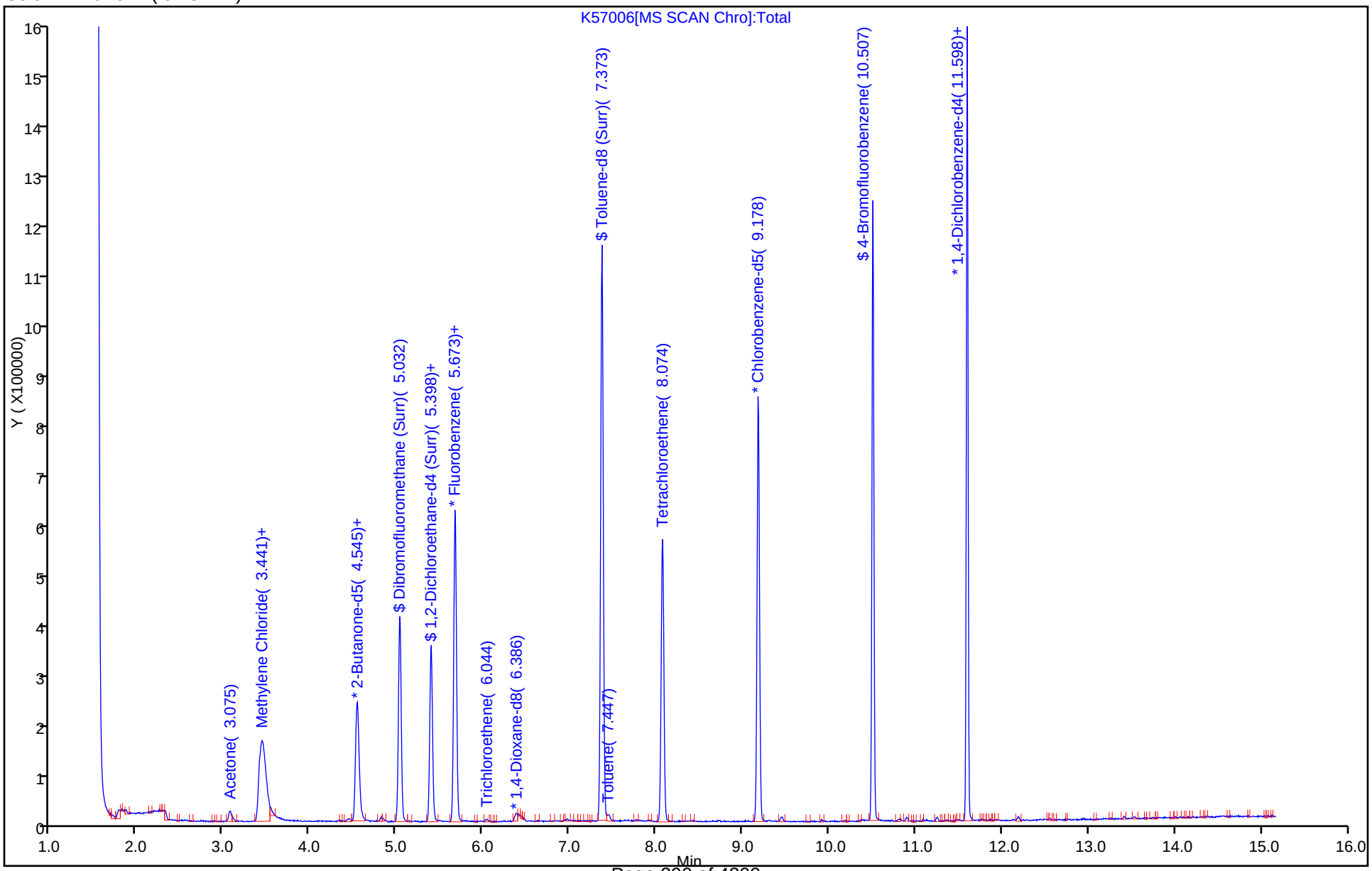
Report Date: 25-Aug-2016 12:19:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57006.D

Injection Date:	21-Aug-2016 15:10:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	460-118926-B-3-A	Lab Sample ID:	460-118926-3	Worklist Smp#:	20
Client ID:	SB-2(2-4)08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



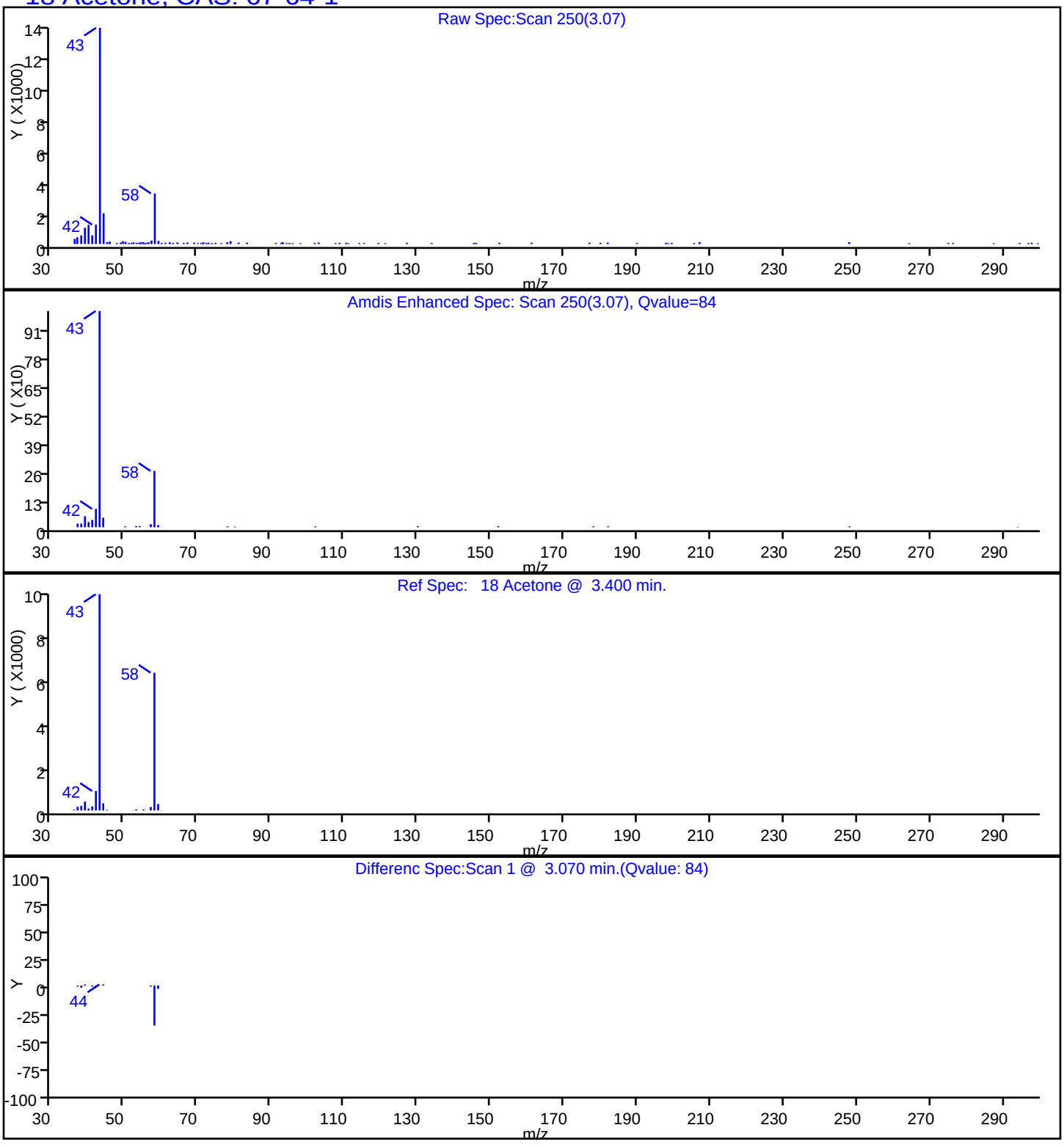
Report Date: 25-Aug-2016 12:19:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57006.D

Injection Date:	21-Aug-2016 15:10:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-3-A	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



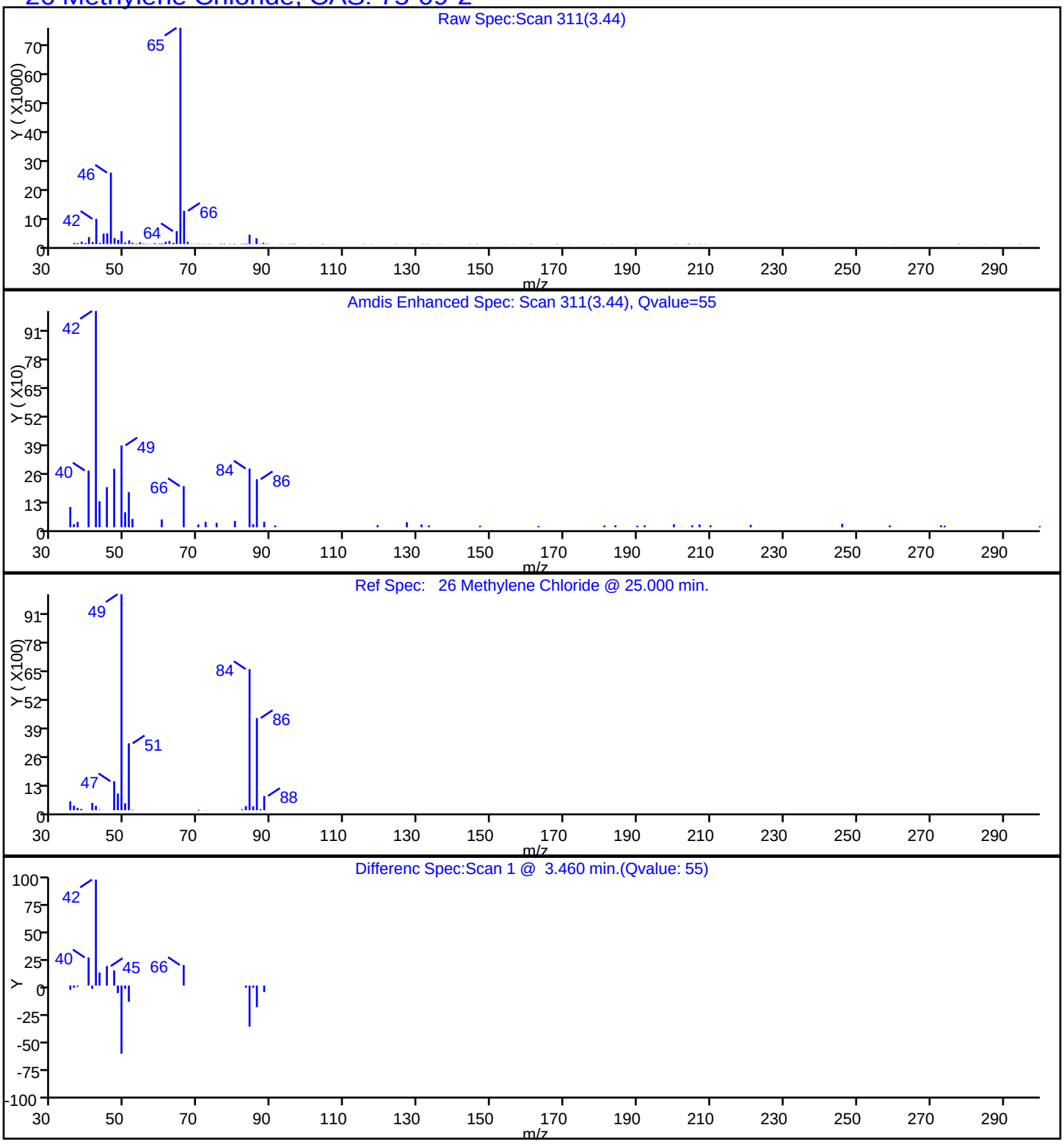
Report Date: 25-Aug-2016 12:19:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57006.D

Injection Date:	21-Aug-2016 15:10:30	Instrument ID:	CVOAMS9
Lims ID:	460-118926-B-3-A	Lab Sample ID:	460-118926-3
Client ID:	SB-2(2-4)08192016		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



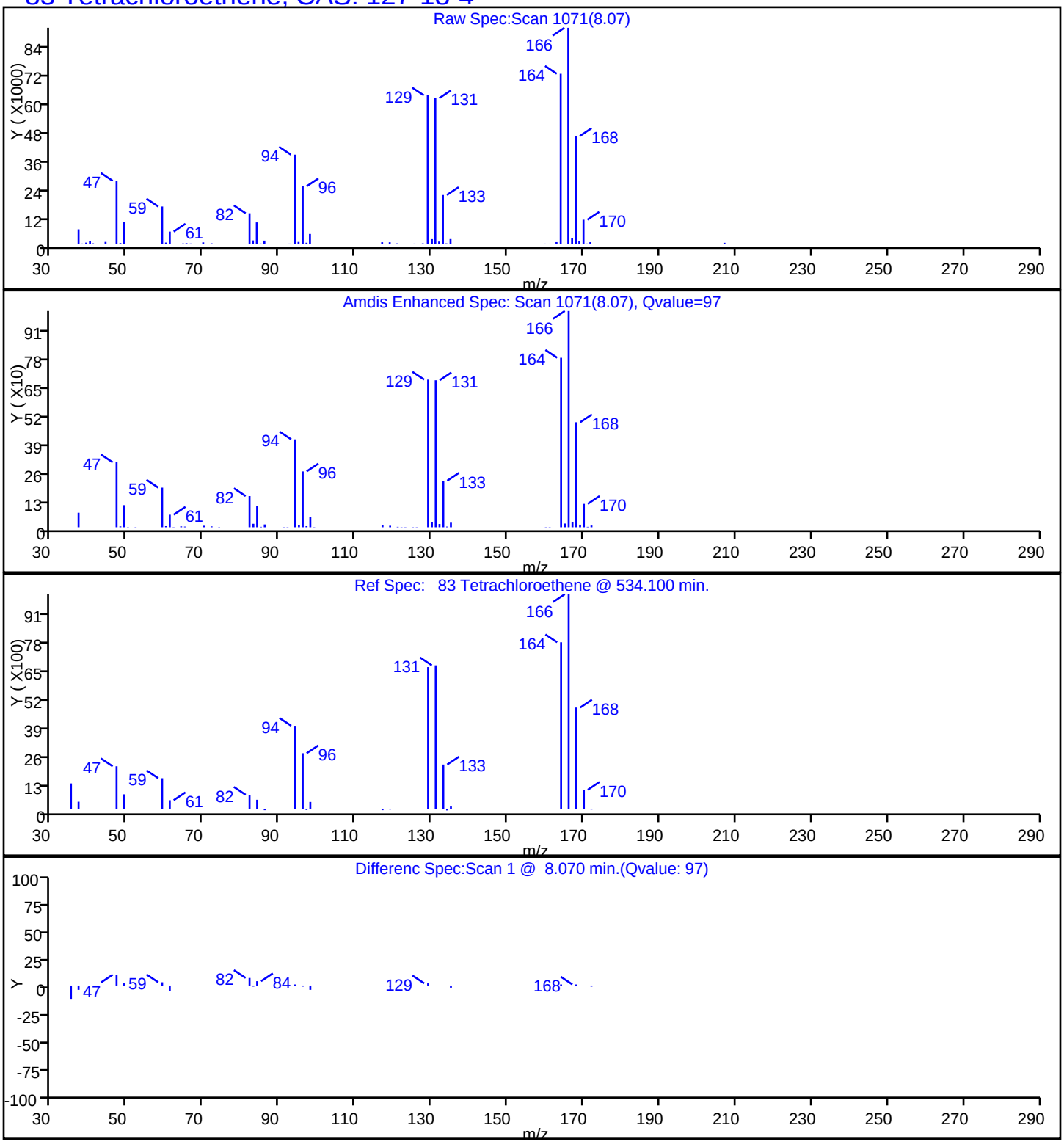
Report Date: 25-Aug-2016 12:19:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57006.D

Injection Date:	21-Aug-2016 15:10:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-3-A	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Tetrachloroethene, CAS: 127-18-4



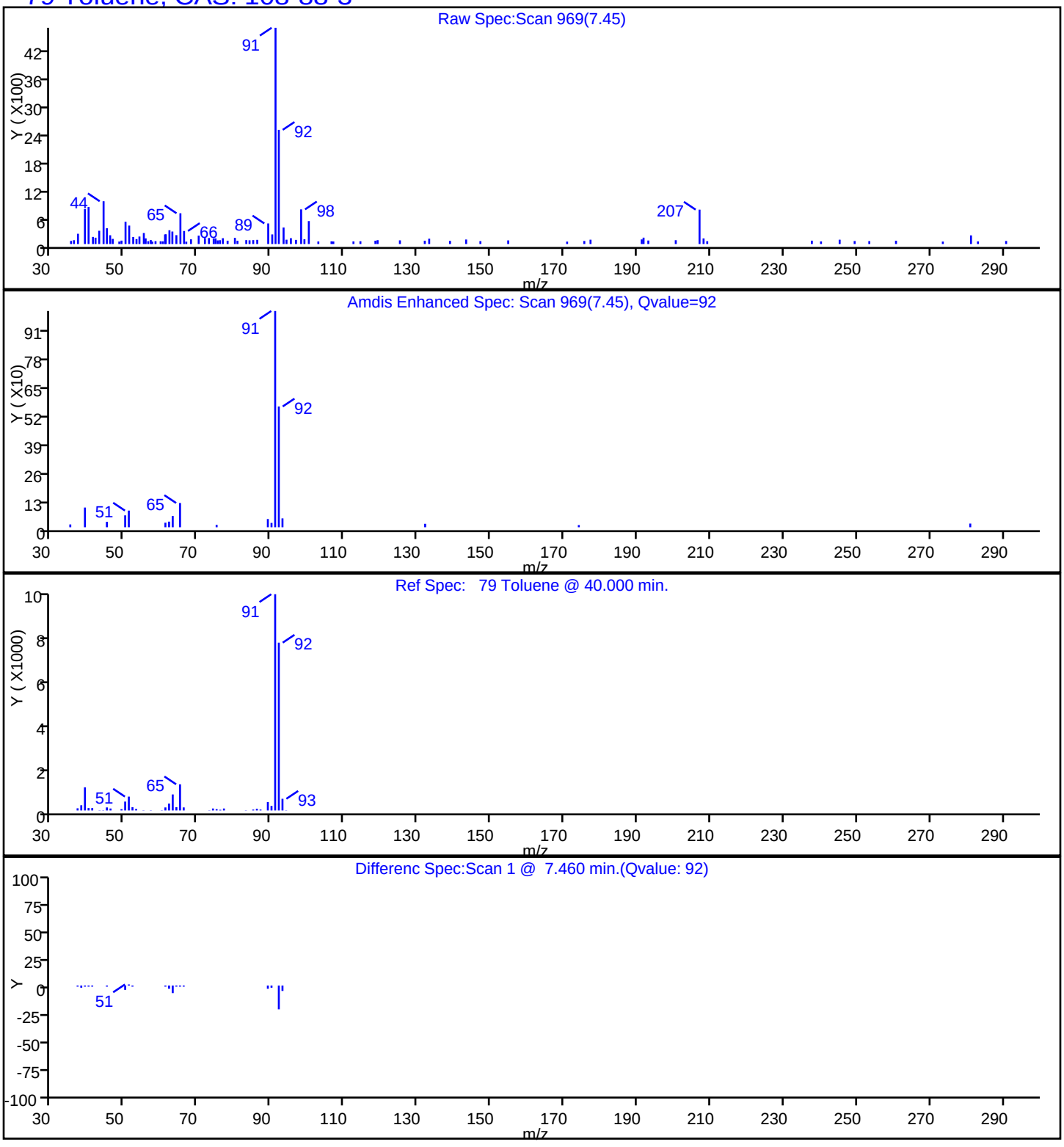
Report Date: 25-Aug-2016 12:19:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57006.D

Injection Date:	21-Aug-2016 15:10:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-3-A	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

79 Toluene, CAS: 108-88-3



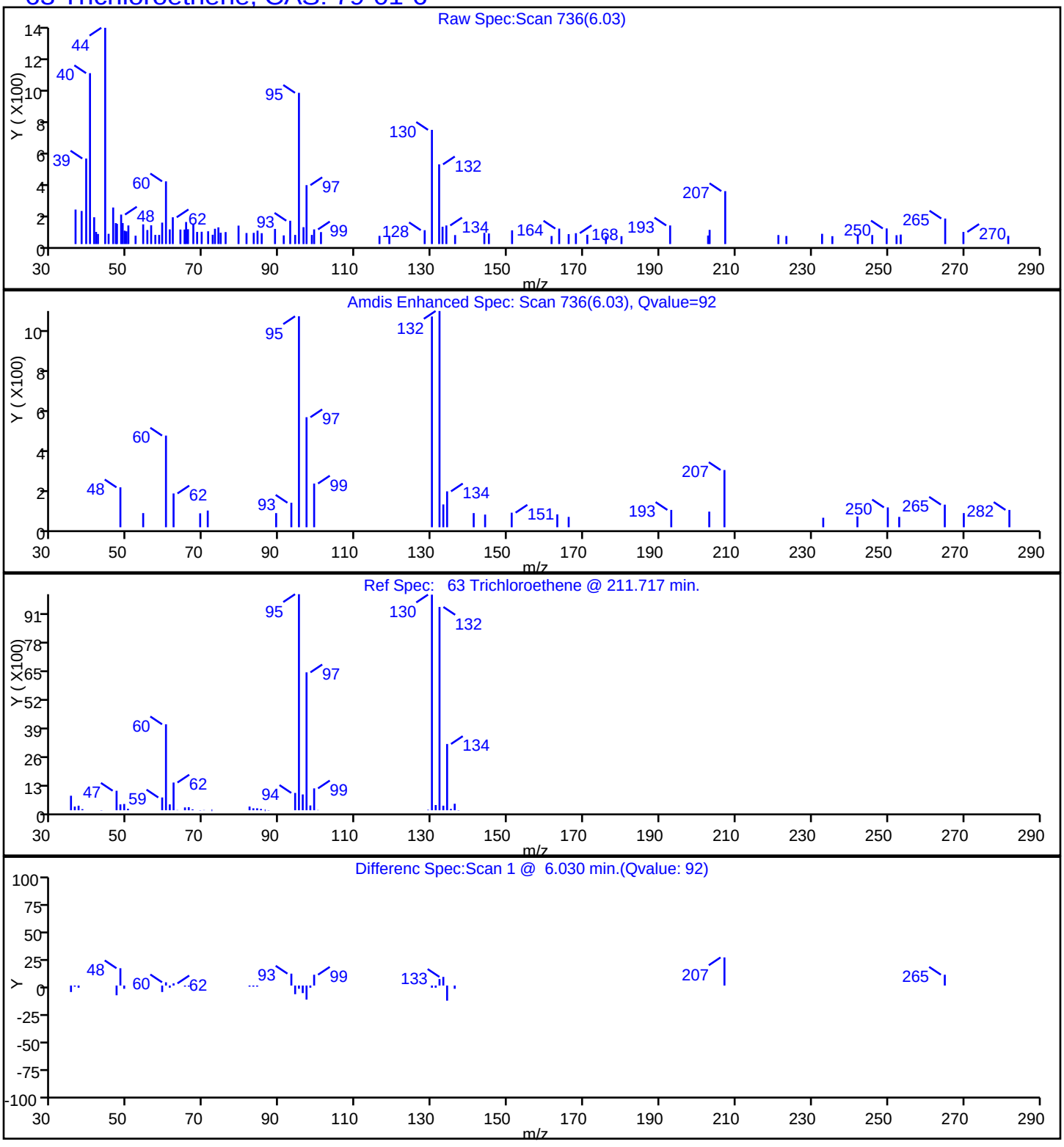
Report Date: 25-Aug-2016 12:19:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57006.D

Injection Date:	21-Aug-2016 15:10:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-3-A	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(10-12)08192016 | Lab Sample ID: 460-118926-4

Matrix: Solid | Lab File ID: K57007.D

Analysis Method: 8260C | Date Collected: 08/19/2016 09:20

Sample wt/vol: 6.45(g) | Date Analyzed: 08/21/2016 15:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 8.6 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.85	U	0.85	0.14
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.85	U	0.85	0.37
79-00-5	1,1,2-Trichloroethane	0.85	U	0.85	0.24
75-34-3	1,1-Dichloroethane	0.85	U	0.85	0.29
75-35-4	1,1-Dichloroethene	0.85	U	0.85	0.35
87-61-6	1,2,3-Trichlorobenzene	0.85	U	0.85	0.093
120-82-1	1,2,4-Trichlorobenzene	0.85	U	0.85	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	0.85	0.40
95-50-1	1,2-Dichlorobenzene	0.85	U	0.85	0.12
107-06-2	1,2-Dichloroethane	0.85	U	0.85	0.093
78-87-5	1,2-Dichloropropane	0.85	U	0.85	0.14
541-73-1	1,3-Dichlorobenzene	0.85	U	0.85	0.10
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	0.11
123-91-1	1,4-Dioxane	17	U	17	5.4
78-93-3	2-Butanone (MEK)	3.0	J	4.2	0.65
591-78-6	2-Hexanone	4.2	U	4.2	0.80
108-10-1	4-Methyl-2-pentanone (MIBK)	4.2	U	4.2	1.9
67-64-1	Acetone	36		4.2	0.90
75-05-8	Acetonitrile	8.5	U	8.5	3.5
107-02-8	Acrolein	85	U	85	13
71-43-2	Benzene	0.85	U	0.85	0.17
75-25-2	Bromoform	0.85	U *	0.85	0.11
74-83-9	Bromomethane	0.85	U	0.85	0.27
75-15-0	Carbon disulfide	0.85	U	0.85	0.36
56-23-5	Carbon tetrachloride	0.85	U	0.85	0.36
108-90-7	Chlorobenzene	0.85	U	0.85	0.12
74-97-5	Chlorobromomethane	0.85	U	0.85	0.14
124-48-1	Chlorodibromomethane	0.85	U	0.85	0.13
75-00-3	Chloroethane	0.85	U	0.85	0.30
67-66-3	Chloroform	0.85	U	0.85	0.18
74-87-3	Chloromethane	0.85	U	0.85	0.32
156-59-2	cis-1,2-Dichloroethene	0.85	U	0.85	0.19
10061-01-5	cis-1,3-Dichloropropene	0.85	U	0.85	0.13
110-82-7	Cyclohexane	0.85	U	0.85	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(10-12)08192016 | Lab Sample ID: 460-118926-4

Matrix: Solid | Lab File ID: K57007.D

Analysis Method: 8260C | Date Collected: 08/19/2016 09:20

Sample wt/vol: 6.45(g) | Date Analyzed: 08/21/2016 15:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 8.6 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.85	U	0.85	0.32
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	0.27
100-41-4	Ethylbenzene	0.85	U	0.85	0.15
106-93-4	Ethylene Dibromide	0.85	U	0.85	0.10
98-82-8	Isopropylbenzene	0.85	U	0.85	0.14
79-20-9	Methyl acetate	4.2	U	4.2	0.76
1634-04-4	Methyl tert-butyl ether	0.85	U	0.85	0.14
108-87-2	Methylcyclohexane	0.85	U	0.85	0.42
75-09-2	Methylene Chloride	0.88		0.85	0.27
179601-23-1	m-Xylene & p-Xylene	0.85	U	0.85	0.093
95-47-6	o-Xylene	0.85	U	0.85	0.14
100-42-5	Styrene	0.85	U	0.85	0.13
75-65-0	TBA	8.5	U	8.5	3.0
127-18-4	Tetrachloroethene	50		0.85	0.24
108-88-3	Toluene	0.87		0.85	0.16
156-60-5	trans-1,2-Dichloroethene	0.85	U	0.85	0.33
10061-02-6	trans-1,3-Dichloropropene	0.85	U	0.85	0.085
79-01-6	Trichloroethene	0.37	J	0.85	0.22
75-69-4	Trichlorofluoromethane	0.85	U	0.85	0.29
75-01-4	Vinyl chloride	0.85	U	0.85	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		78-135
460-00-4	4-Bromofluorobenzene	119		67-126
1868-53-7	Dibromofluoromethane (Surr)	111		61-149
2037-26-5	Toluene-d8 (Surr)	101		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57007.D
Lims ID: 460-118926-B-4-A
Client ID: SB-2(10-12)08192016
Sample Type: Client
Inject. Date: 21-Aug-2016 15:35:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118926-B-4-A
Misc. Info.: 460-0044683-021
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2016 12:19:55 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:54:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.069	3.063	0.006	84	67410	43.0	
* 25 TBA-d9 (IS)	65	3.441	3.423	0.018	99	542464	1000.0	
26 Methylene Chloride	84	3.447	3.441	0.006	33	7502	1.03	
* 38 2-Butanone-d5	46	4.538	4.538	0.000	99	393146	250.0	
42 2-Butanone (MEK)	72	4.599	4.593	0.006	99	1960	3.58	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	253213	55.3	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	97	274237	50.4	
* 61 Fluorobenzene	96	5.672	5.672	0.000	99	633457	50.0	
63 Trichloroethene	95	6.032	6.038	-0.006	95	1875	0.4307	
* 67 1,4-Dioxane-d8	96	6.380	6.386	-0.006	95	35192	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	884376	50.3	
79 Toluene	91	7.446	7.452	-0.006	93	20401	1.03	
83 Tetrachloroethene	166	8.074	8.074	0.000	97	277053	59.4	
* 89 Chlorobenzene-d5	117	9.178	9.184	-0.006	86	523523	50.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	338178	59.6	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	351124	50.0	

Reagents:

8260ISNEW_00079	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added: 1.00	Units: uL	Run Reagent

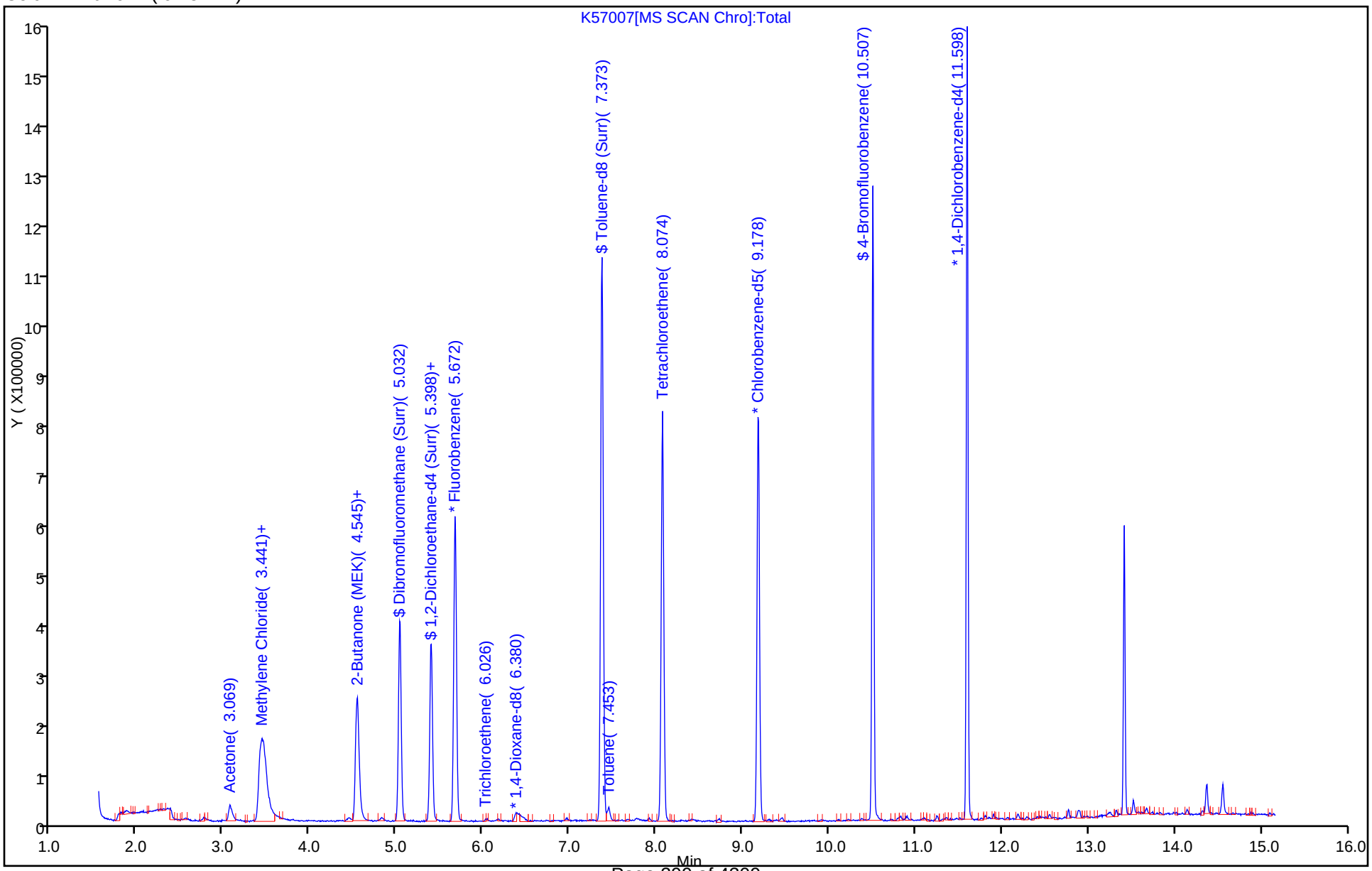
Report Date: 25-Aug-2016 12:19:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57007.D

Injection Date:	21-Aug-2016 15:35:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	460-118926-B-4-A	Lab Sample ID:	460-118926-4	Worklist Smp#:	21
Client ID:	SB-2(10-12)08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



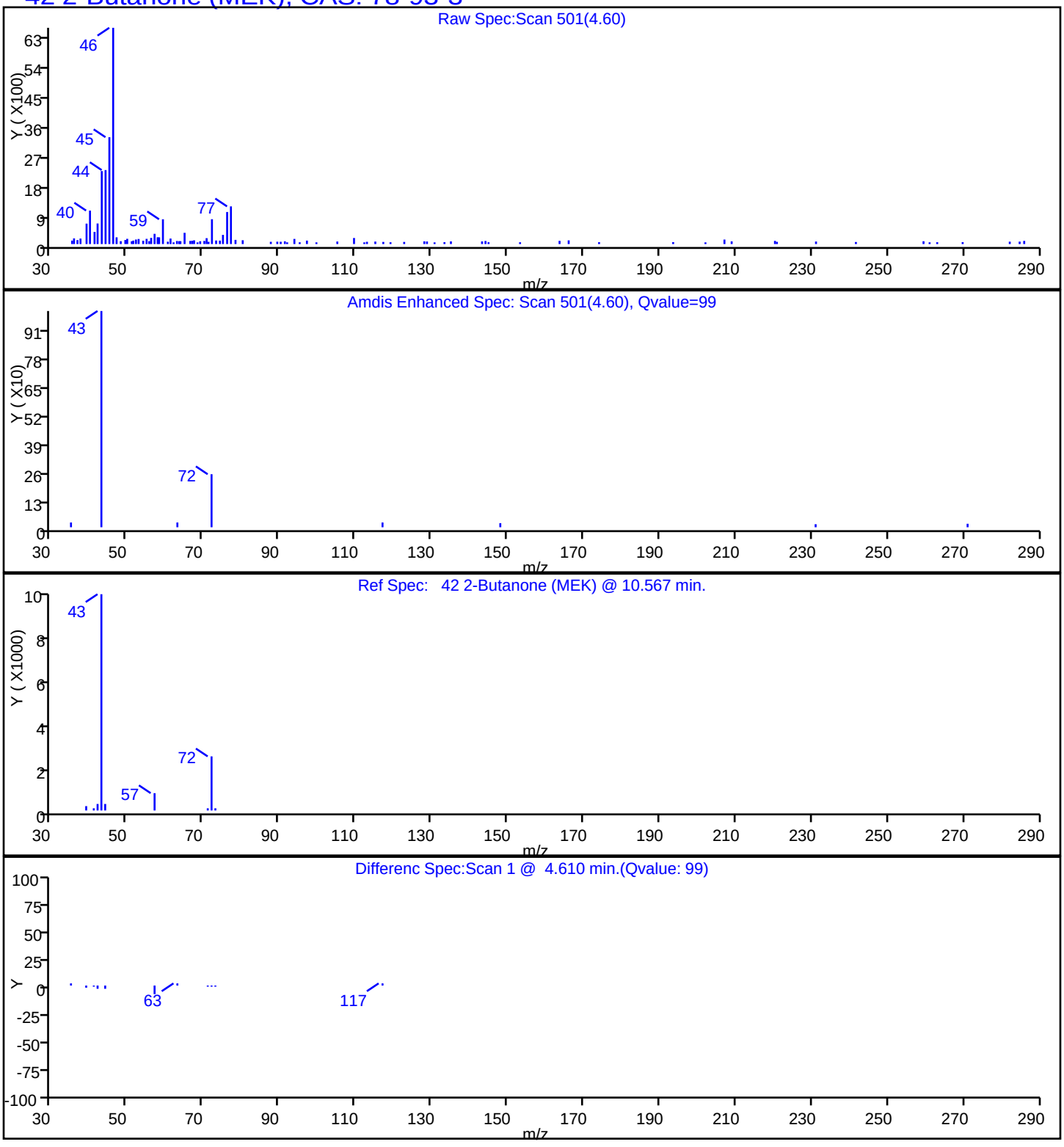
Report Date: 25-Aug-2016 12:19:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57007.D

Injection Date:	21-Aug-2016 15:35:30	Instrument ID:	CVOAMS9
Lims ID:	460-118926-B-4-A	Lab Sample ID:	460-118926-4
Client ID:	SB-2(10-12)08192016		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

42 2-Butanone (MEK), CAS: 78-93-3



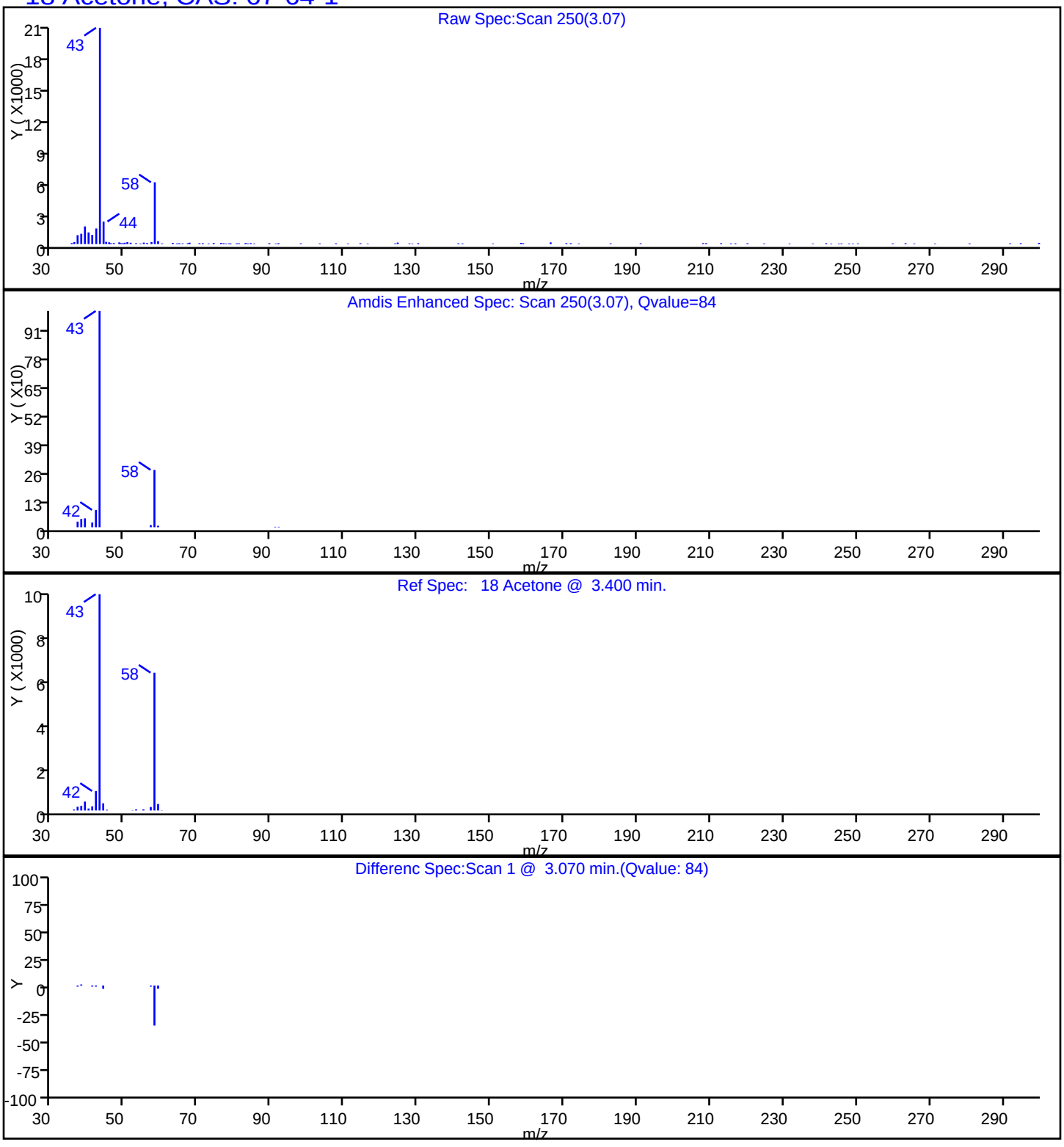
Report Date: 25-Aug-2016 12:19:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57007.D

Injection Date:	21-Aug-2016 15:35:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-4-A	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



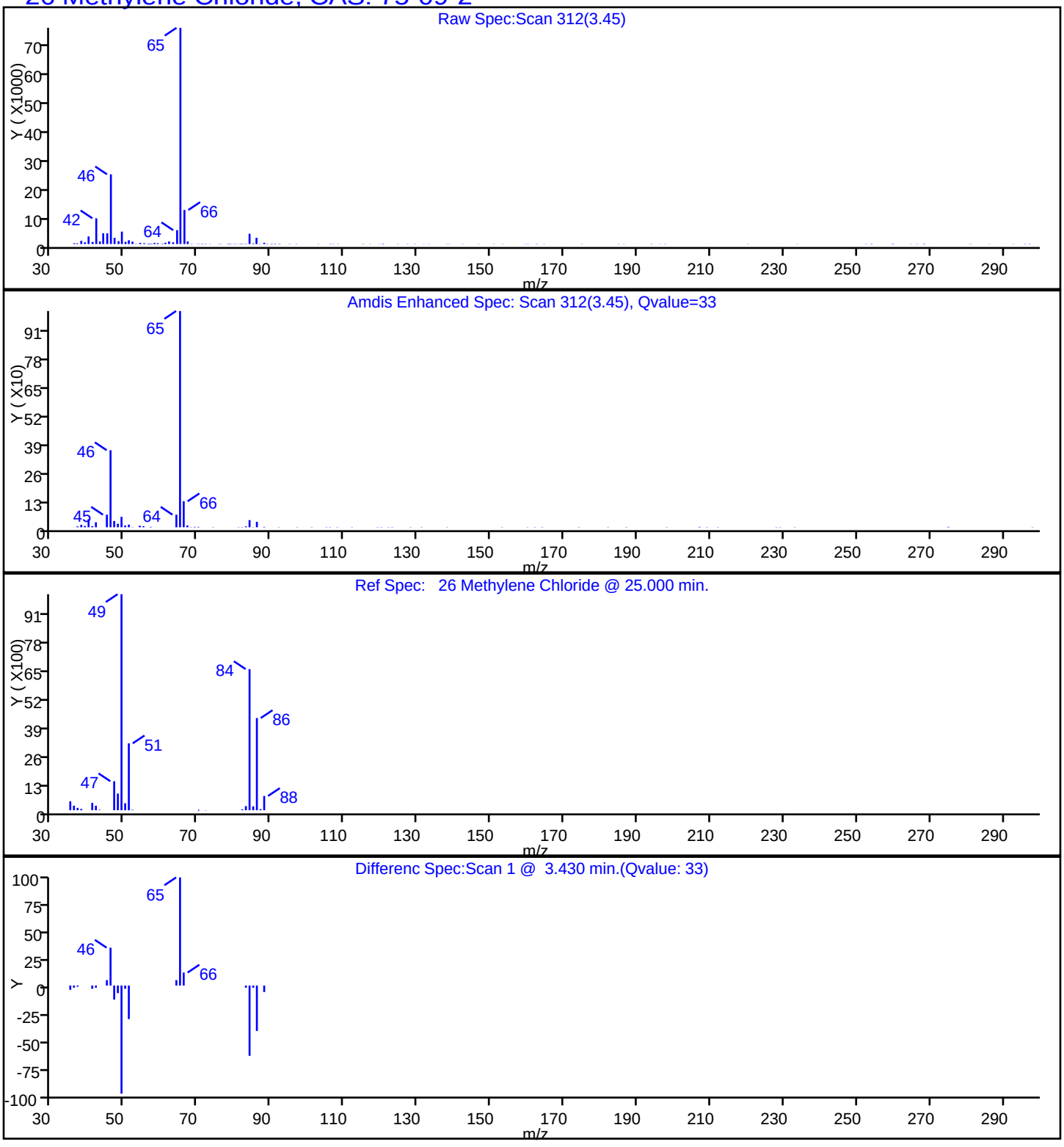
Report Date: 25-Aug-2016 12:19:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57007.D

Injection Date:	21-Aug-2016 15:35:30	Instrument ID:	CVOAMS9
Lims ID:	460-118926-B-4-A	Lab Sample ID:	460-118926-4
Client ID:	SB-2(10-12)08192016		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methylene Chloride, CAS: 75-09-2



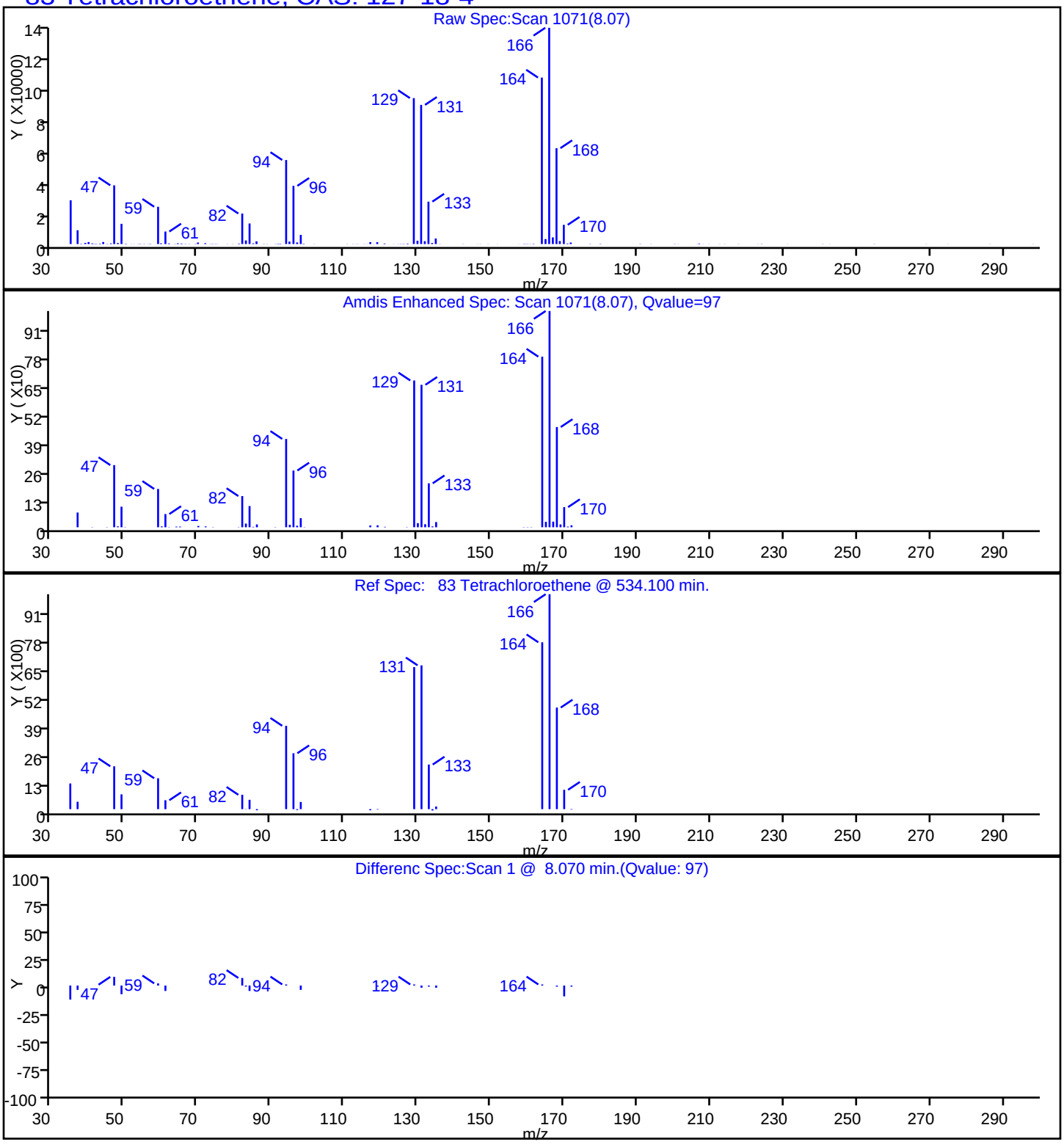
Report Date: 25-Aug-2016 12:19:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57007.D

Injection Date:	21-Aug-2016 15:35:30	Instrument ID:	CVOAMS9
Lims ID:	460-118926-B-4-A	Lab Sample ID:	460-118926-4
Client ID:	SB-2(10-12)08192016		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

83 Tetrachloroethene, CAS: 127-18-4



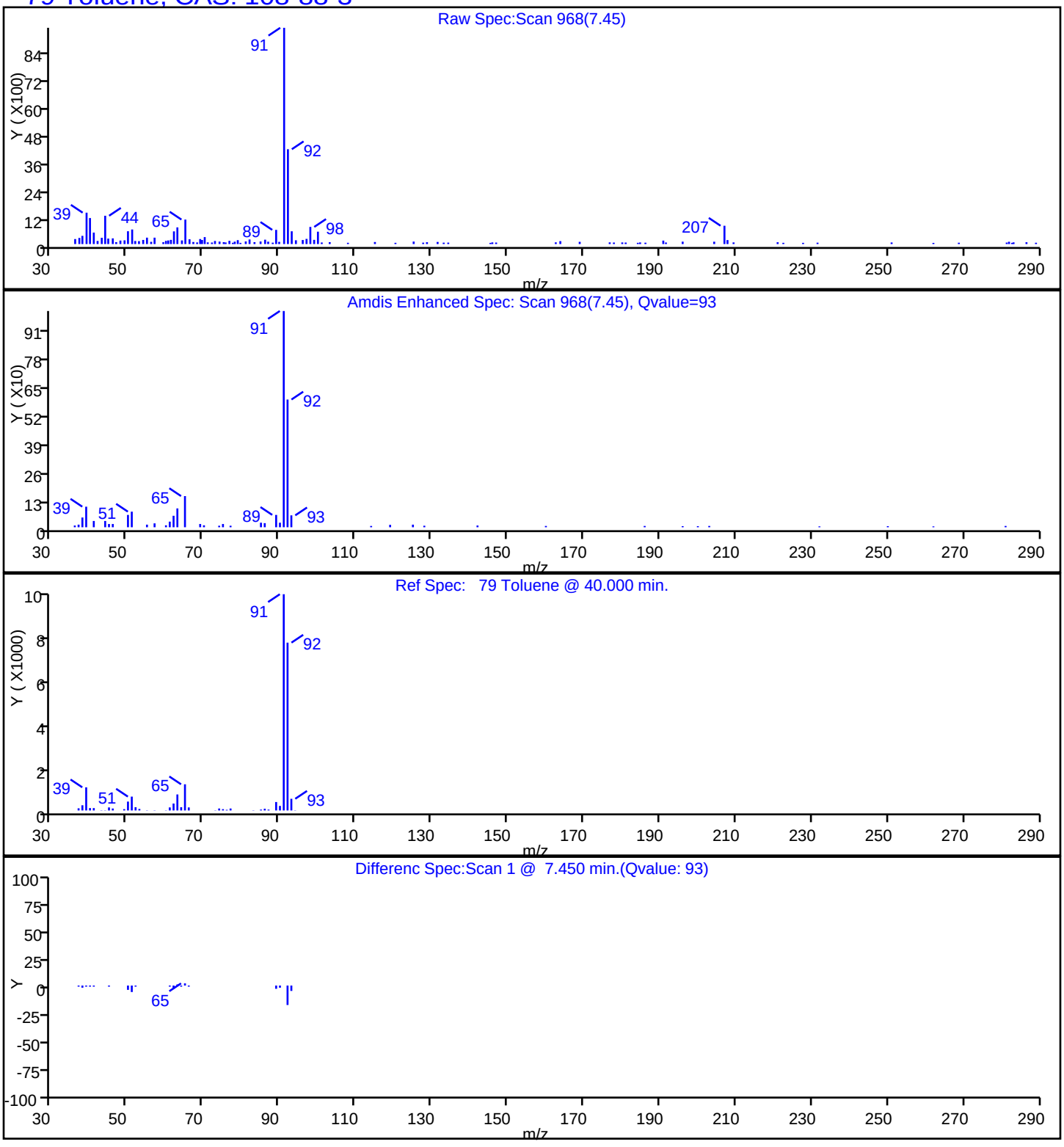
Report Date: 25-Aug-2016 12:19:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57007.D

Injection Date:	21-Aug-2016 15:35:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-4-A	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

79 Toluene, CAS: 108-88-3



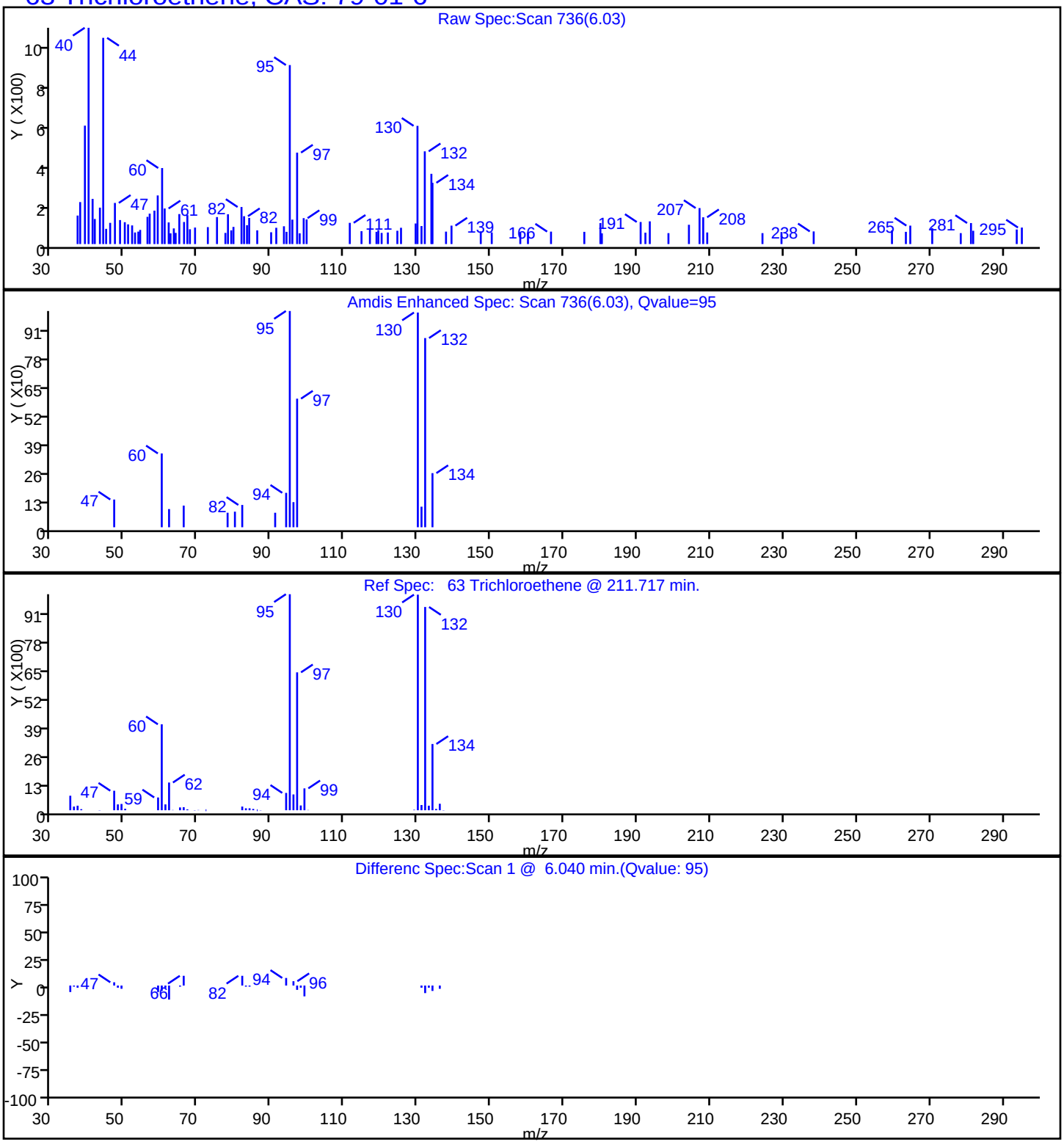
Report Date: 25-Aug-2016 12:19:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57007.D

Injection Date:	21-Aug-2016 15:35:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-4-A	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(2-4)08192016 | Lab Sample ID: 460-118926-5

Matrix: Solid | Lab File ID: K57008.D

Analysis Method: 8260C | Date Collected: 08/19/2016 09:42

Sample wt/vol: 6.119(g) | Date Analyzed: 08/21/2016 16:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.89	U	0.89	0.34
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.89	U	0.89	0.39
79-00-5	1,1,2-Trichloroethane	0.89	U	0.89	0.25
75-34-3	1,1-Dichloroethane	0.89	U	0.89	0.30
75-35-4	1,1-Dichloroethene	0.89	U	0.89	0.36
87-61-6	1,2,3-Trichlorobenzene	0.89	U	0.89	0.098
120-82-1	1,2,4-Trichlorobenzene	0.89	U	0.89	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	0.89	U	0.89	0.42
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	0.12
107-06-2	1,2-Dichloroethane	0.89	U	0.89	0.098
78-87-5	1,2-Dichloropropane	0.89	U	0.89	0.15
541-73-1	1,3-Dichlorobenzene	0.89	U	0.89	0.11
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	0.12
123-91-1	1,4-Dioxane	18	U	18	5.7
78-93-3	2-Butanone (MEK)	4.4	U	4.4	0.69
591-78-6	2-Hexanone	4.4	U	4.4	0.84
108-10-1	4-Methyl-2-pentanone (MIBK)	4.4	U	4.4	2.0
67-64-1	Acetone	18		4.4	0.94
75-05-8	Acetonitrile	8.9	U	8.9	3.6
107-02-8	Acrolein	89	U	89	14
71-43-2	Benzene	0.89	U	0.89	0.18
75-25-2	Bromoform	0.89	U *	0.89	0.12
74-83-9	Bromomethane	0.89	U	0.89	0.28
75-15-0	Carbon disulfide	0.89	U	0.89	0.38
56-23-5	Carbon tetrachloride	0.89	U	0.89	0.38
108-90-7	Chlorobenzene	0.89	U	0.89	0.12
74-97-5	Chlorobromomethane	0.89	U	0.89	0.15
124-48-1	Chlorodibromomethane	0.89	U	0.89	0.13
75-00-3	Chloroethane	0.89	U	0.89	0.31
67-66-3	Chloroform	0.89	U	0.89	0.19
74-87-3	Chloromethane	0.89	U	0.89	0.34
156-59-2	cis-1,2-Dichloroethene	0.89	U	0.89	0.20
10061-01-5	cis-1,3-Dichloropropene	0.89	U	0.89	0.13
110-82-7	Cyclohexane	0.89	U	0.89	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(2-4)08192016 | Lab Sample ID: 460-118926-5

Matrix: Solid | Lab File ID: K57008.D

Analysis Method: 8260C | Date Collected: 08/19/2016 09:42

Sample wt/vol: 6.119(g) | Date Analyzed: 08/21/2016 16:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.89	U	0.89	0.34
75-71-8	Dichlorodifluoromethane	0.89	U	0.89	0.28
100-41-4	Ethylbenzene	0.89	U	0.89	0.16
106-93-4	Ethylene Dibromide	0.89	U	0.89	0.11
98-82-8	Isopropylbenzene	0.89	U	0.89	0.15
79-20-9	Methyl acetate	4.4	U	4.4	0.80
1634-04-4	Methyl tert-butyl ether	0.89	U	0.89	0.15
108-87-2	Methylcyclohexane	0.89	U	0.89	0.44
75-09-2	Methylene Chloride	0.48	J	0.89	0.28
179601-23-1	m-Xylene & p-Xylene	0.89	U	0.89	0.098
95-47-6	o-Xylene	0.89	U	0.89	0.14
100-42-5	Styrene	0.89	U	0.89	0.13
75-65-0	TBA	8.9	U	8.9	3.1
127-18-4	Tetrachloroethene	0.89	U	0.89	0.25
108-88-3	Toluene	0.89	U	0.89	0.17
156-60-5	trans-1,2-Dichloroethene	0.89	U	0.89	0.35
10061-02-6	trans-1,3-Dichloropropene	0.89	U	0.89	0.089
79-01-6	Trichloroethene	0.89	U	0.89	0.23
75-69-4	Trichlorofluoromethane	0.89	U	0.89	0.30
75-01-4	Vinyl chloride	0.89	U	0.89	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		78-135
460-00-4	4-Bromofluorobenzene	118		67-126
1868-53-7	Dibromofluoromethane (Surr)	115		61-149
2037-26-5	Toluene-d8 (Surr)	100		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57008.D
Lims ID: 460-118926-B-5-A
Client ID: SB-3(2-4)08192016
Sample Type: Client
Inject. Date: 21-Aug-2016 16:01:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118926-B-5-A
Misc. Info.: 460-0044683-022
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2016 12:20:17 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:54:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.069	3.063	0.006	86	33613	20.4	
* 25 TBA-d9 (IS)	65	3.435	3.423	0.012	99	554625	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	84	5240	0.5430	
* 38 2-Butanone-d5	46	4.538	4.538	0.000	99	412458	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	261682	57.5	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	97	277802	51.2	
* 61 Fluorobenzene	96	5.672	5.672	0.000	98	630456	50.0	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	97	37392	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	902379	50.1	
* 89 Chlorobenzene-d5	117	9.178	9.184	-0.006	86	537282	50.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	344104	59.1	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	353141	50.0	

Reagents:

8260ISNEW_00079 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00133 Amount Added: 1.00 Units: uL Run Reagent

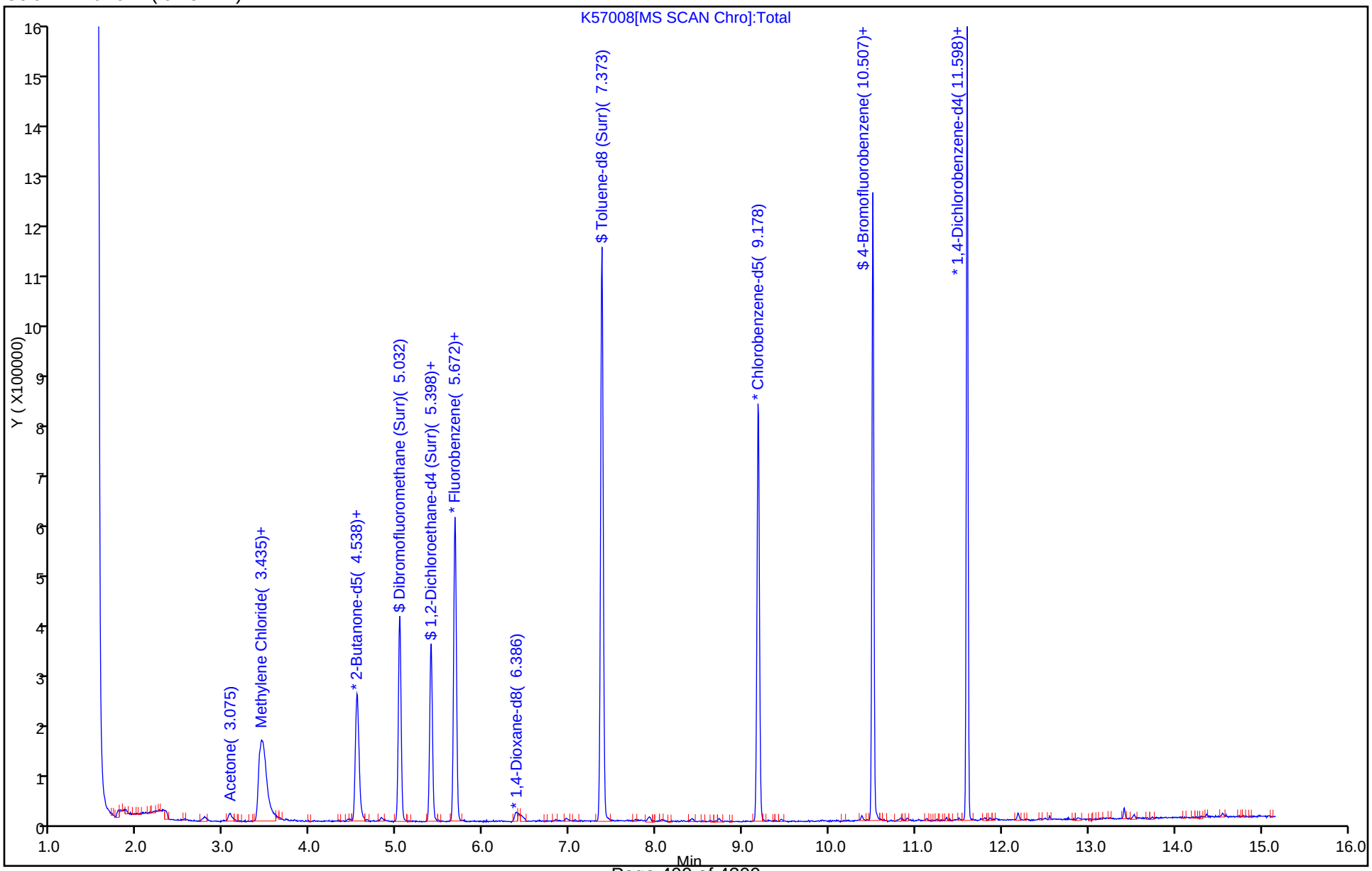
Report Date: 25-Aug-2016 12:20:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57008.D

Injection Date:	21-Aug-2016 16:01:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	460-118926-B-5-A	Lab Sample ID:	460-118926-5	Worklist Smp#:	22
Client ID:	SB-3(2-4)08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



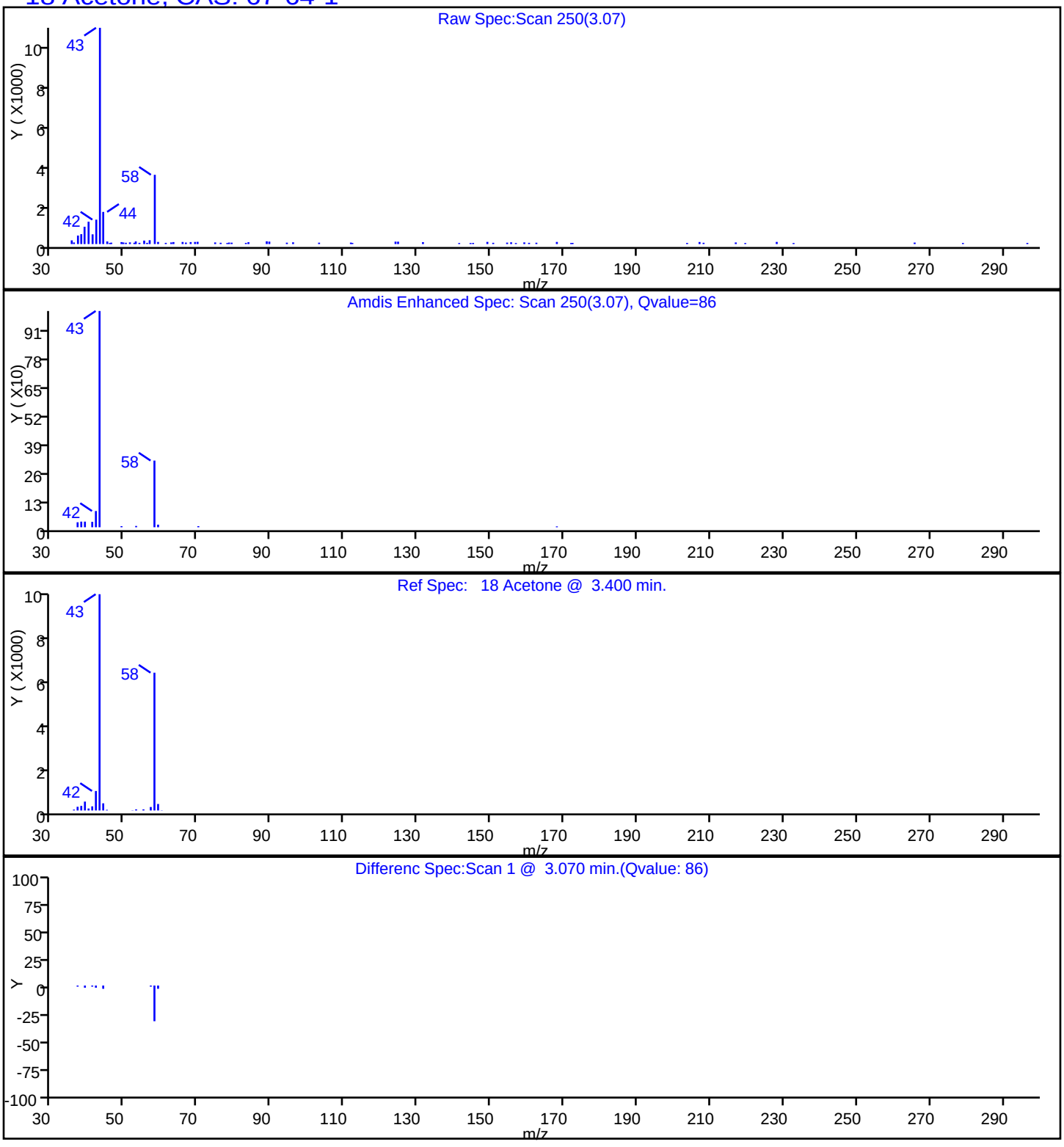
Report Date: 25-Aug-2016 12:20:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57008.D

Injection Date:	21-Aug-2016 16:01:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-5-A	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



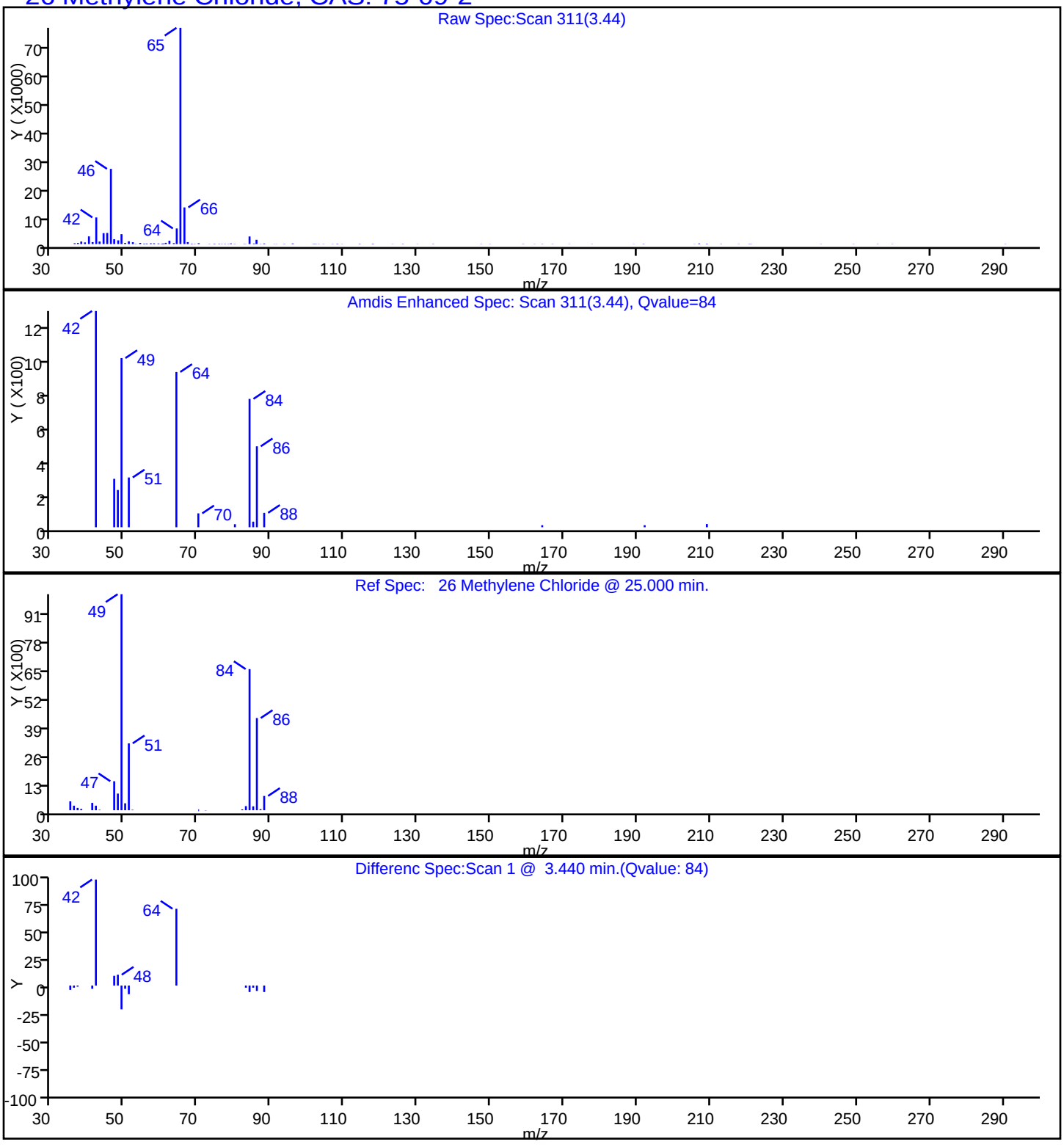
Report Date: 25-Aug-2016 12:20:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57008.D

Injection Date:	21-Aug-2016 16:01:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-5-A	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(13-15)08192016 | Lab Sample ID: 460-118926-6

Matrix: Solid | Lab File ID: K57009.D

Analysis Method: 8260C | Date Collected: 08/19/2016 09:55

Sample wt/vol: 6.537(g) | Date Analyzed: 08/21/2016 16:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.3 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.81	U	0.81	0.31
79-34-5	1,1,2,2-Tetrachloroethane	0.81	U	0.81	0.14
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.81	U	0.81	0.36
79-00-5	1,1,2-Trichloroethane	0.81	U	0.81	0.23
75-34-3	1,1-Dichloroethane	0.81	U	0.81	0.27
75-35-4	1,1-Dichloroethene	0.81	U	0.81	0.33
87-61-6	1,2,3-Trichlorobenzene	0.81	U	0.81	0.089
120-82-1	1,2,4-Trichlorobenzene	0.81	U	0.81	0.26
96-12-8	1,2-Dibromo-3-Chloropropane	0.81	U	0.81	0.38
95-50-1	1,2-Dichlorobenzene	0.81	U	0.81	0.11
107-06-2	1,2-Dichloroethane	0.81	U	0.81	0.089
78-87-5	1,2-Dichloropropane	0.81	U	0.81	0.14
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	0.097
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	0.10
123-91-1	1,4-Dioxane	16	U	16	5.2
78-93-3	2-Butanone (MEK)	4.0	U	4.0	0.62
591-78-6	2-Hexanone	4.0	U	4.0	0.76
108-10-1	4-Methyl-2-pentanone (MIBK)	4.0	U	4.0	1.8
67-64-1	Acetone	19		4.0	0.86
75-05-8	Acetonitrile	8.1	U	8.1	3.3
107-02-8	Acrolein	81	U	81	13
71-43-2	Benzene	0.81	U	0.81	0.16
75-25-2	Bromoform	0.81	U *	0.81	0.10
74-83-9	Bromomethane	0.81	U	0.81	0.26
75-15-0	Carbon disulfide	0.81	U	0.81	0.35
56-23-5	Carbon tetrachloride	0.81	U	0.81	0.35
108-90-7	Chlorobenzene	0.81	U	0.81	0.11
74-97-5	Chlorobromomethane	0.81	U	0.81	0.14
124-48-1	Chlorodibromomethane	0.81	U	0.81	0.12
75-00-3	Chloroethane	0.81	U	0.81	0.28
67-66-3	Chloroform	0.81	U	0.81	0.17
74-87-3	Chloromethane	0.81	U	0.81	0.31
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	0.18
10061-01-5	cis-1,3-Dichloropropene	0.81	U	0.81	0.12
110-82-7	Cyclohexane	0.81	U	0.81	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(13-15)08192016 | Lab Sample ID: 460-118926-6

Matrix: Solid | Lab File ID: K57009.D

Analysis Method: 8260C | Date Collected: 08/19/2016 09:55

Sample wt/vol: 6.537(g) | Date Analyzed: 08/21/2016 16:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.3 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.81	U	0.81	0.31
75-71-8	Dichlorodifluoromethane	0.81	U	0.81	0.26
100-41-4	Ethylbenzene	0.81	U	0.81	0.15
106-93-4	Ethylene Dibromide	0.81	U	0.81	0.097
98-82-8	Isopropylbenzene	0.81	U	0.81	0.14
79-20-9	Methyl acetate	4.0	U	4.0	0.73
1634-04-4	Methyl tert-butyl ether	0.81	U	0.81	0.14
108-87-2	Methylcyclohexane	0.81	U	0.81	0.40
75-09-2	Methylene Chloride	1.7		0.81	0.26
179601-23-1	m-Xylene & p-Xylene	0.81	U	0.81	0.089
95-47-6	o-Xylene	0.81	U	0.81	0.13
100-42-5	Styrene	0.81	U	0.81	0.12
75-65-0	TBA	8.1	U	8.1	2.8
127-18-4	Tetrachloroethene	0.31	J	0.81	0.23
108-88-3	Toluene	0.81	U	0.81	0.15
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	0.31
10061-02-6	trans-1,3-Dichloropropene	0.81	U	0.81	0.081
79-01-6	Trichloroethene	0.81	U	0.81	0.21
75-69-4	Trichlorofluoromethane	0.81	U	0.81	0.27
75-01-4	Vinyl chloride	0.81	U	0.81	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		78-135
460-00-4	4-Bromofluorobenzene	119		67-126
1868-53-7	Dibromofluoromethane (Surr)	113		61-149
2037-26-5	Toluene-d8 (Surr)	99		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57009.D				
Lims ID:	460-118926-B-6-A				
Client ID:	SB-3(13-15)08192016				
Sample Type:	Client				
Inject. Date:	21-Aug-2016 16:27:30	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-118926-B-6-A				
Misc. Info.:	460-0044683-023				
Operator ID:		Instrument ID:	CVOAMS9		
Method:	\\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	25-Aug-2016 12:20:50	Calib Date:	27-Jul-2016 02:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK035				
First Level Reviewer: tupayachia		Date:	22-Aug-2016 11:55:27		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.069	3.063	0.006	86	36775	23.8	
* 25 TBA-d9 (IS)	65	3.435	3.423	0.012	100	534403	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	34	12409	2.11	
* 38 2-Butanone-d5	46	4.539	4.538	0.001	99	387086	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	258935	56.5	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.392	5.398	-0.006	97	269182	49.4	
* 61 Fluorobenzene	96	5.672	5.672	0.000	99	634170	50.0	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	98	40819	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	885935	49.4	
83 Tetrachloroethene	166	8.074	8.074	0.000	89	1809	0.3796	
* 89 Chlorobenzene-d5	117	9.178	9.184	-0.006	87	535025	50.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	343813	59.3	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	354655	50.0	

Reagents:

8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

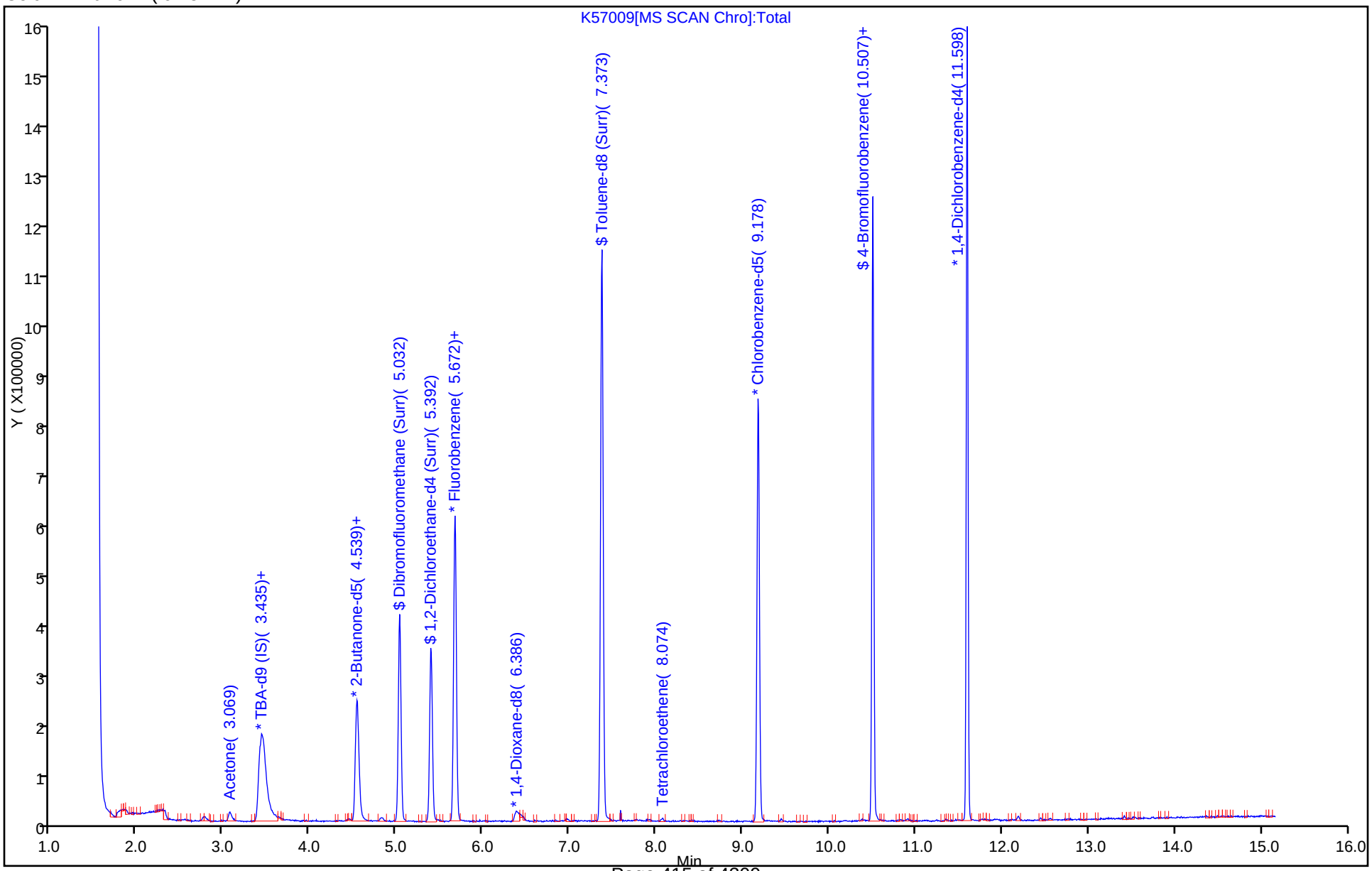
Report Date: 25-Aug-2016 12:20:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57009.D

Injection Date:	21-Aug-2016 16:27:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	460-118926-B-6-A	Lab Sample ID:	460-118926-6	Worklist Smp#:	23
Client ID:	SB-3(13-15)08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



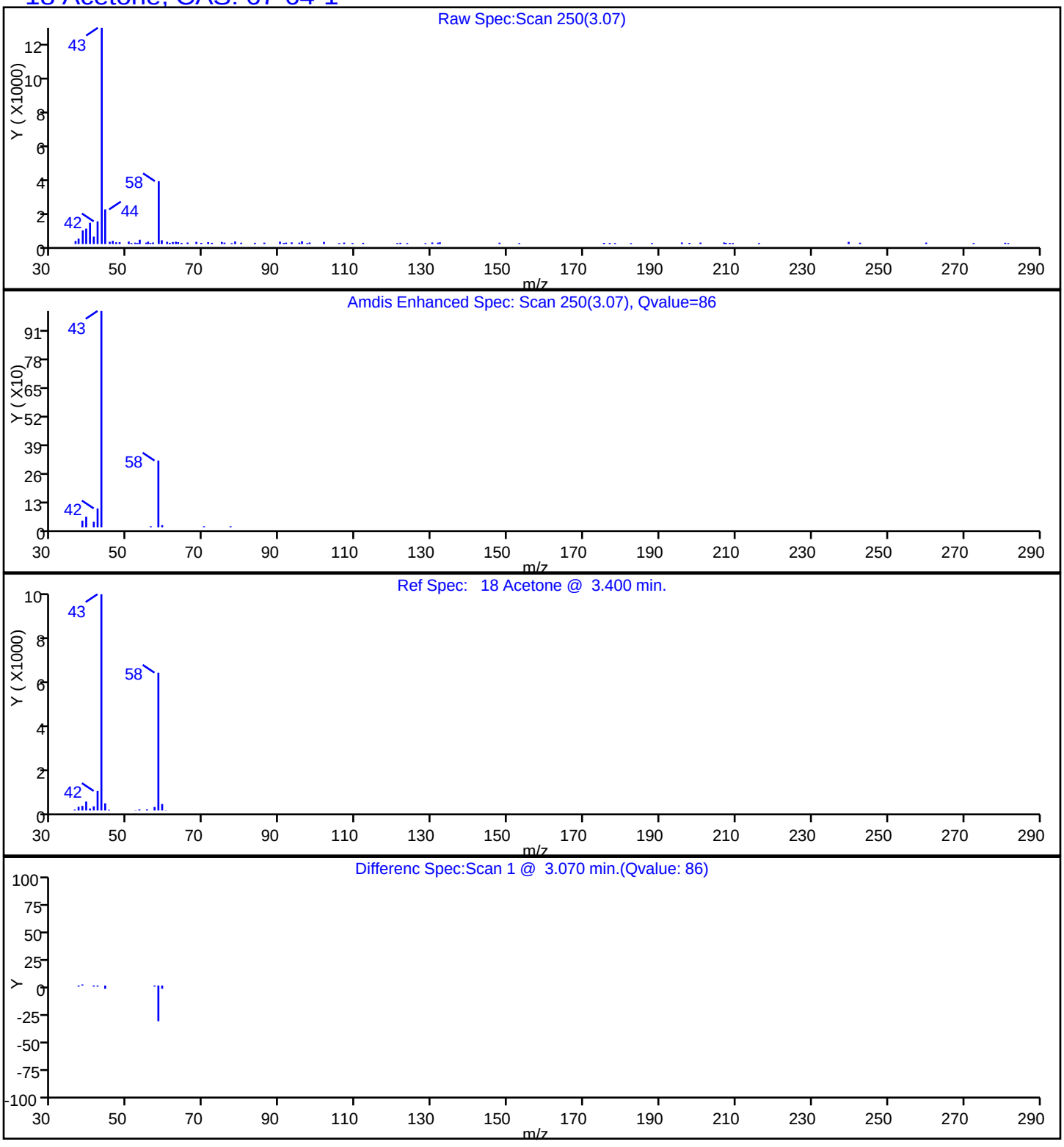
Report Date: 25-Aug-2016 12:20:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57009.D

Injection Date:	21-Aug-2016 16:27:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-6-A	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



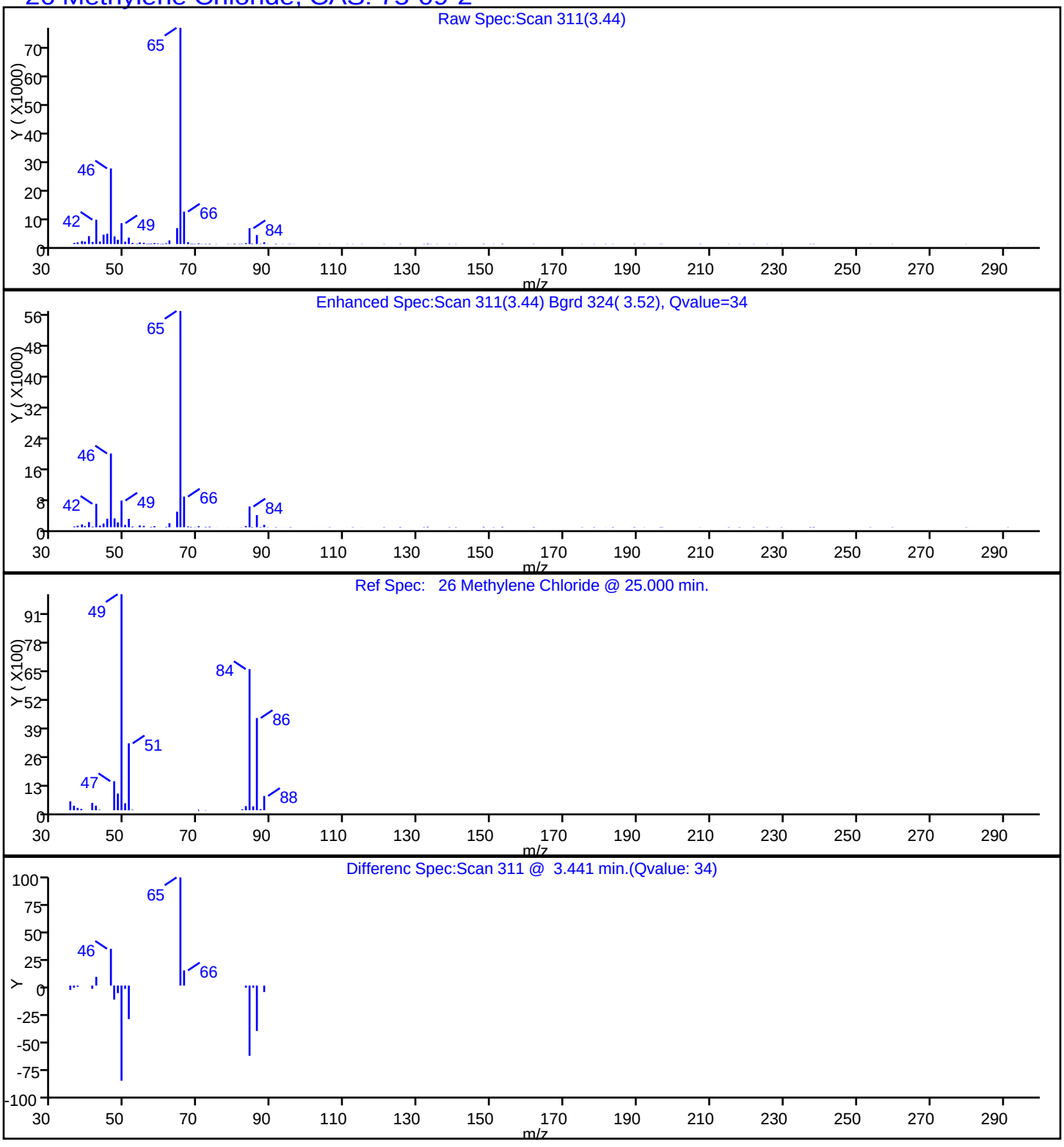
Report Date: 25-Aug-2016 12:20:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57009.D

Injection Date:	21-Aug-2016 16:27:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-6-A	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

26 Methylene Chloride, CAS: 75-09-2



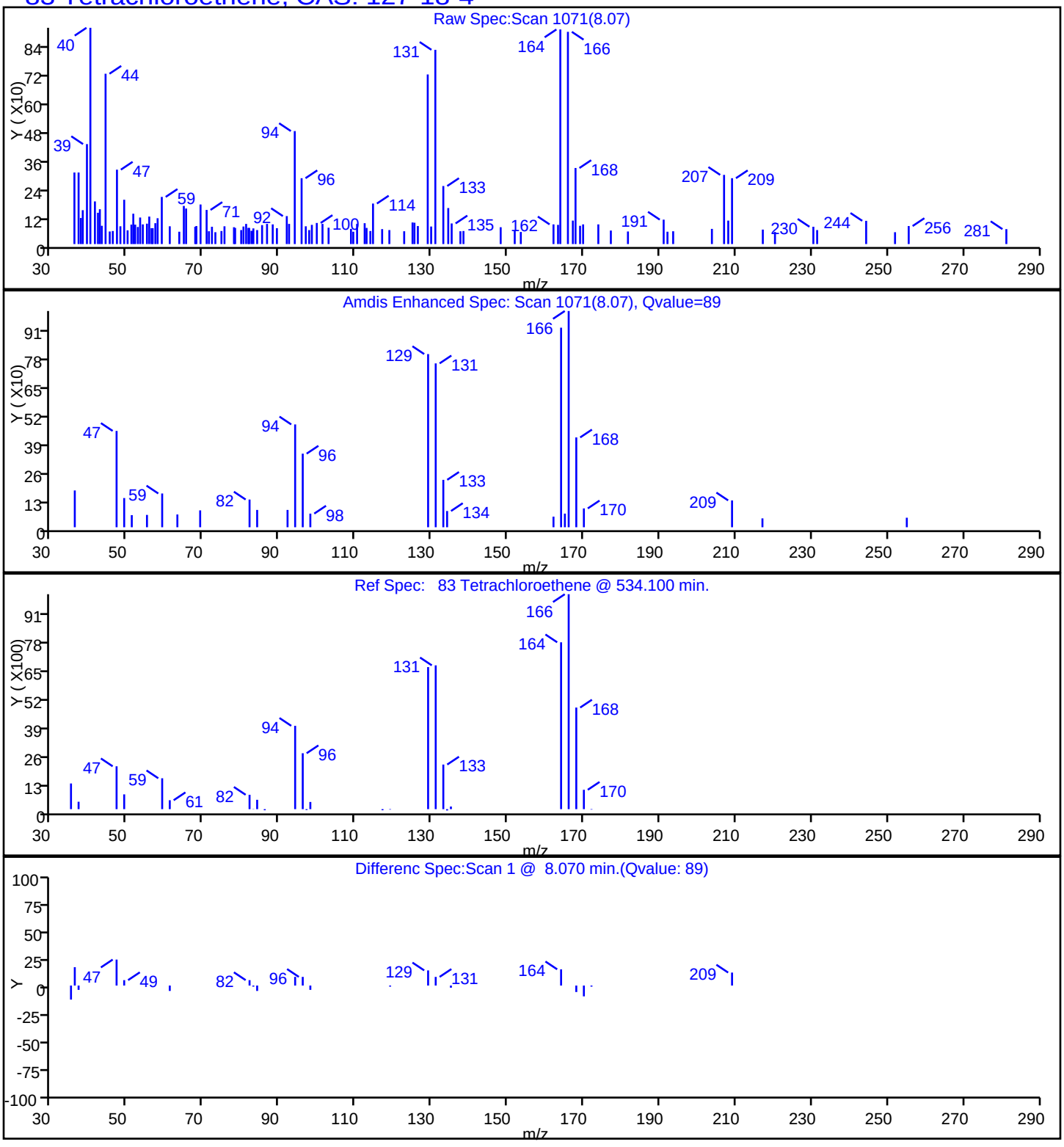
Report Date: 25-Aug-2016 12:20:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57009.D

Injection Date:	21-Aug-2016 16:27:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-6-A	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-X08192016 | Lab Sample ID: 460-118926-7

Matrix: Solid | Lab File ID: K57010.D

Analysis Method: 8260C | Date Collected: 08/19/2016 00:00

Sample wt/vol: 6.166(g) | Date Analyzed: 08/21/2016 16:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.9 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	0.33
79-34-5	1,1,2,2-Tetrachloroethane	0.86	U	0.86	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.86	U	0.86	0.38
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	0.24
75-34-3	1,1-Dichloroethane	0.86	U	0.86	0.29
75-35-4	1,1-Dichloroethene	0.86	U	0.86	0.35
87-61-6	1,2,3-Trichlorobenzene	0.86	U	0.86	0.095
120-82-1	1,2,4-Trichlorobenzene	0.86	U	0.86	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	0.40
95-50-1	1,2-Dichlorobenzene	0.86	U	0.86	0.12
107-06-2	1,2-Dichloroethane	0.86	U	0.86	0.095
78-87-5	1,2-Dichloropropane	0.86	U	0.86	0.15
541-73-1	1,3-Dichlorobenzene	0.86	U	0.86	0.10
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	0.11
123-91-1	1,4-Dioxane	17	U	17	5.5
78-93-3	2-Butanone (MEK)	4.3	U	4.3	0.66
591-78-6	2-Hexanone	4.3	U	4.3	0.81
108-10-1	4-Methyl-2-pentanone (MIBK)	4.3	U	4.3	1.9
67-64-1	Acetone	13		4.3	0.91
75-05-8	Acetonitrile	8.6	U	8.6	3.5
107-02-8	Acrolein	86	U	86	13
71-43-2	Benzene	0.86	U	0.86	0.17
75-25-2	Bromoform	0.86	U *	0.86	0.11
74-83-9	Bromomethane	0.86	U	0.86	0.28
75-15-0	Carbon disulfide	0.86	U	0.86	0.37
56-23-5	Carbon tetrachloride	0.86	U	0.86	0.37
108-90-7	Chlorobenzene	0.86	U	0.86	0.12
74-97-5	Chlorobromomethane	0.86	U	0.86	0.15
124-48-1	Chlorodibromomethane	0.86	U	0.86	0.13
75-00-3	Chloroethane	0.86	U	0.86	0.30
67-66-3	Chloroform	0.86	U	0.86	0.18
74-87-3	Chloromethane	0.86	U	0.86	0.33
156-59-2	cis-1,2-Dichloroethene	0.86	U	0.86	0.19
10061-01-5	cis-1,3-Dichloropropene	0.86	U	0.86	0.13
110-82-7	Cyclohexane	0.86	U	0.86	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-X08192016 | Lab Sample ID: 460-118926-7

Matrix: Solid | Lab File ID: K57010.D

Analysis Method: 8260C | Date Collected: 08/19/2016 00:00

Sample wt/vol: 6.166(g) | Date Analyzed: 08/21/2016 16:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.9 | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.86	U	0.86	0.33
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	0.28
100-41-4	Ethylbenzene	0.86	U	0.86	0.16
106-93-4	Ethylene Dibromide	0.86	U	0.86	0.10
98-82-8	Isopropylbenzene	0.86	U	0.86	0.15
79-20-9	Methyl acetate	4.3	U	4.3	0.78
1634-04-4	Methyl tert-butyl ether	0.86	U	0.86	0.15
108-87-2	Methylcyclohexane	0.86	U	0.86	0.43
75-09-2	Methylene Chloride	0.70	J	0.86	0.28
179601-23-1	m-Xylene & p-Xylene	0.86	U	0.86	0.095
95-47-6	o-Xylene	0.86	U	0.86	0.14
100-42-5	Styrene	0.86	U	0.86	0.13
75-65-0	TBA	8.6	U	8.6	3.0
127-18-4	Tetrachloroethene	0.86	U	0.86	0.24
108-88-3	Toluene	0.86	U	0.86	0.16
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	0.34
10061-02-6	trans-1,3-Dichloropropene	0.86	U	0.86	0.086
79-01-6	Trichloroethene	3.8		0.86	0.22
75-69-4	Trichlorofluoromethane	0.86	U	0.86	0.29
75-01-4	Vinyl chloride	0.86	U	0.86	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		78-135
460-00-4	4-Bromofluorobenzene	116		67-126
1868-53-7	Dibromofluoromethane (Surr)	113		61-149
2037-26-5	Toluene-d8 (Surr)	98		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57010.D
Lims ID: 460-118926-B-7-A
Client ID: SB-X08192016
Sample Type: Client
Inject. Date: 21-Aug-2016 16:53:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118926-B-7-A
Misc. Info.: 460-0044683-024
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2016 12:21:45 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:55:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.069	3.063	0.006	84	24434	14.9	
* 25 TBA-d9 (IS)	65	3.435	3.423	0.012	100	578341	1000.0	
26 Methylene Chloride	84	3.435	3.441	-0.006	34	6375	0.8101	
* 38 2-Butanone-d5	46	4.538	4.538	0.000	99	412246	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	254868	56.6	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	97	268876	50.2	
* 61 Fluorobenzene	96	5.672	5.672	0.000	99	622798	50.0	
63 Trichloroethene	95	6.032	6.038	-0.006	97	18662	4.36	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	99	41445	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	862968	48.9	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	86	525500	50.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	329306	57.8	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	338269	50.0	

Reagents:

8260ISNEW_00079 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00133 Amount Added: 1.00 Units: uL Run Reagent

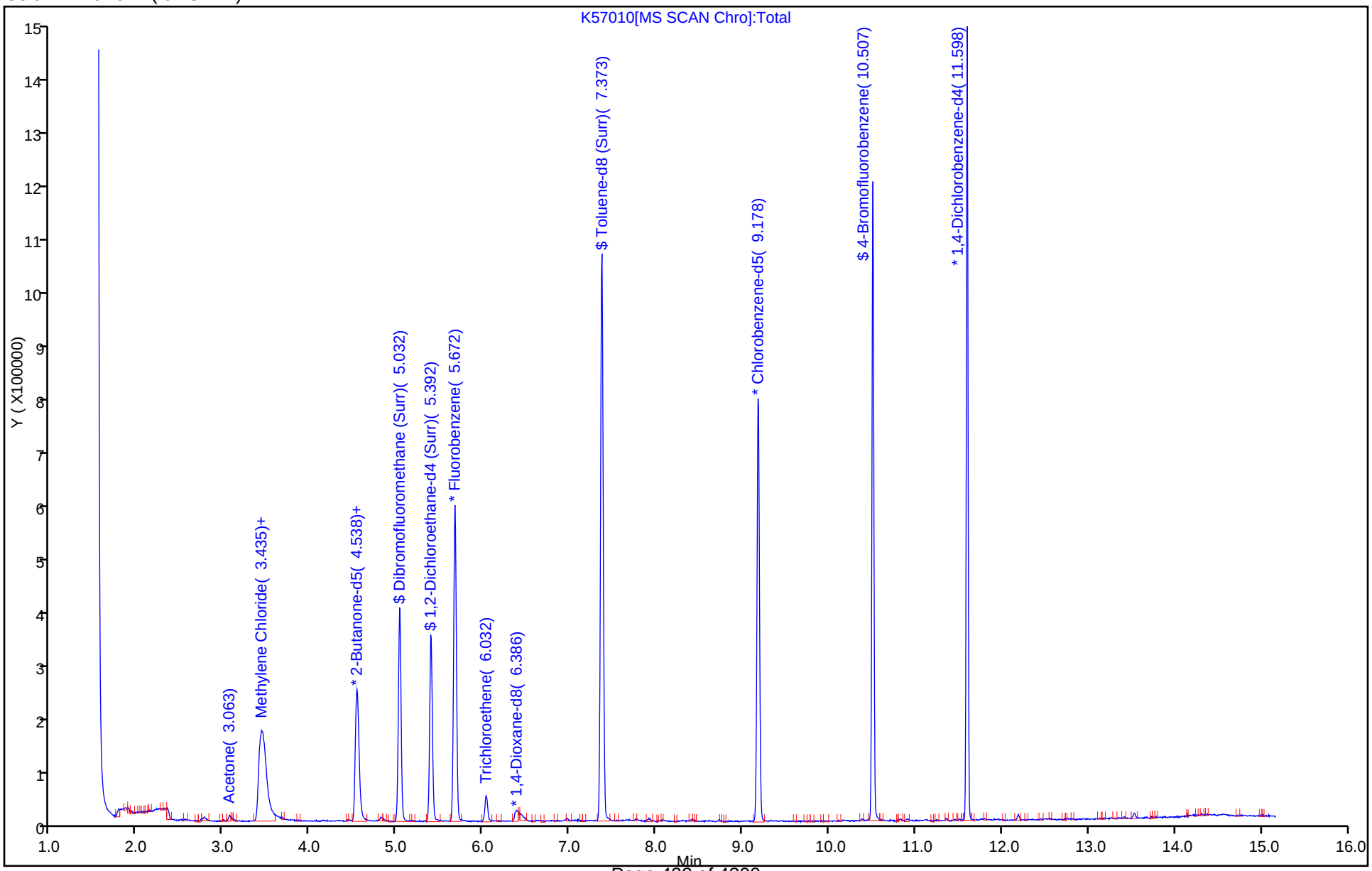
Report Date: 25-Aug-2016 12:21:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57010.D

Injection Date:	21-Aug-2016 16:53:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	460-118926-B-7-A	Lab Sample ID:	460-118926-7	Worklist Smp#:	24
Client ID:	SB-X08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



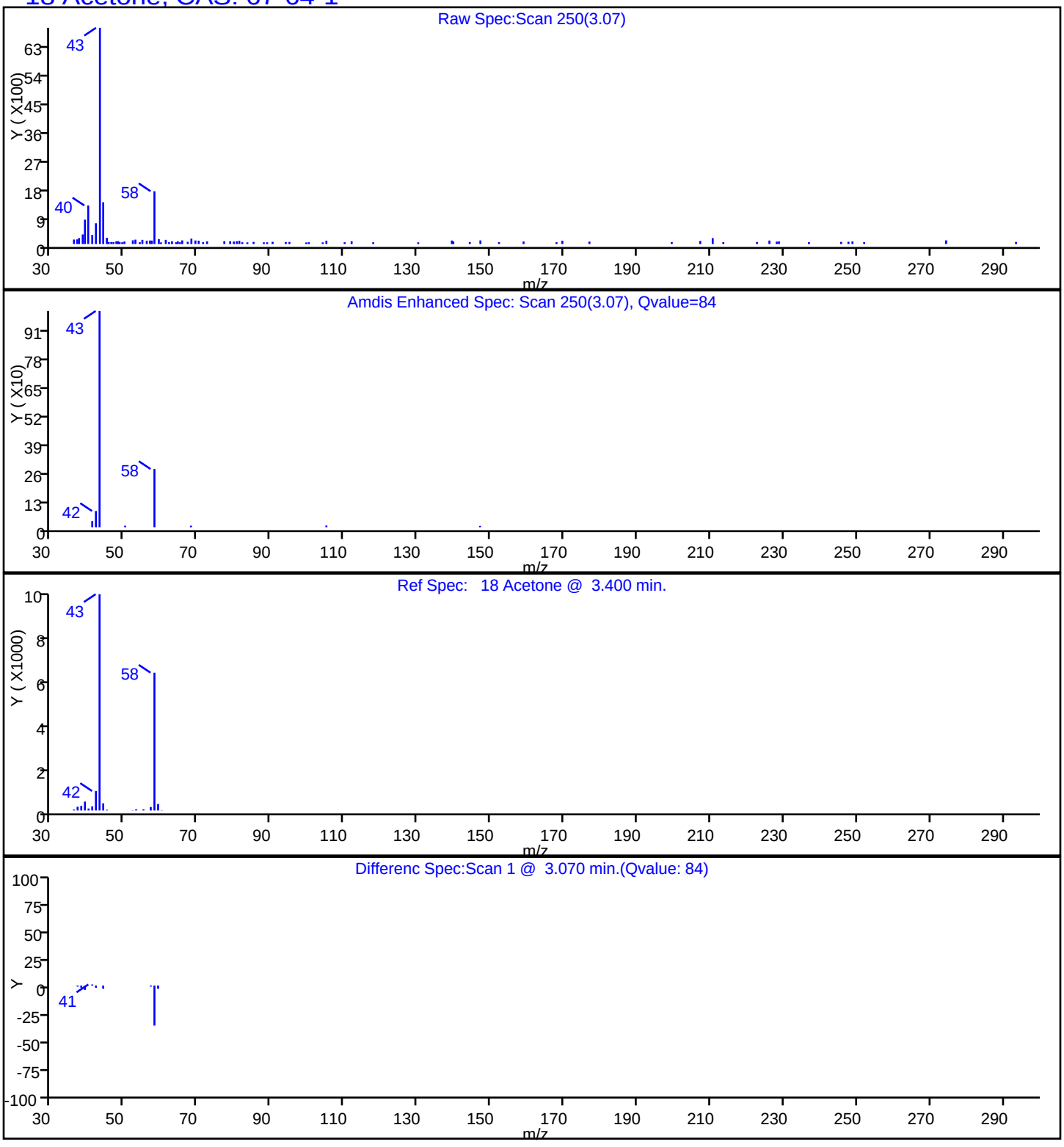
Report Date: 25-Aug-2016 12:21:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57010.D

Injection Date:	21-Aug-2016 16:53:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-7-A	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



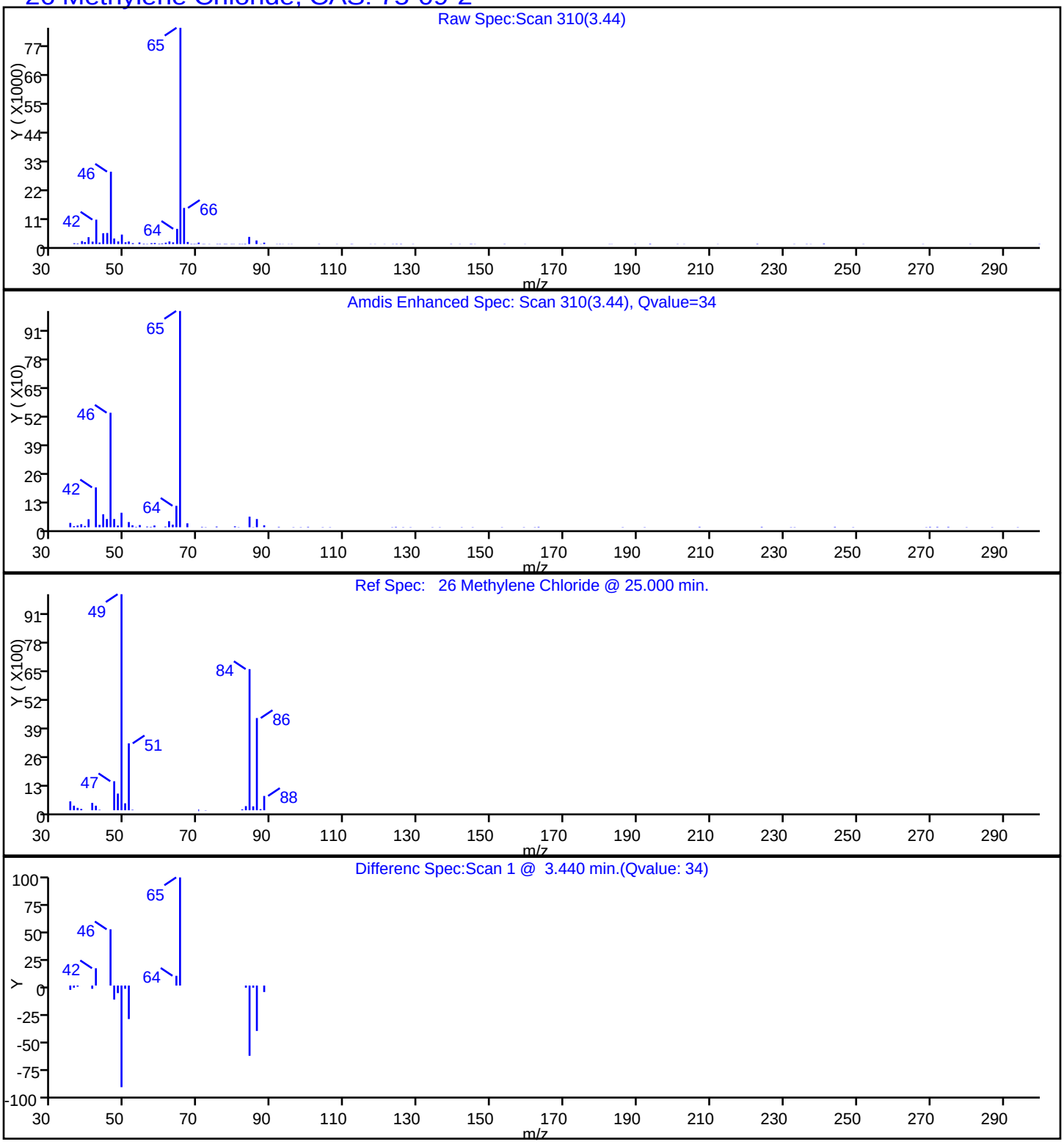
Report Date: 25-Aug-2016 12:21:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57010.D

Injection Date:	21-Aug-2016 16:53:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-7-A	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

26 Methylene Chloride, CAS: 75-09-2



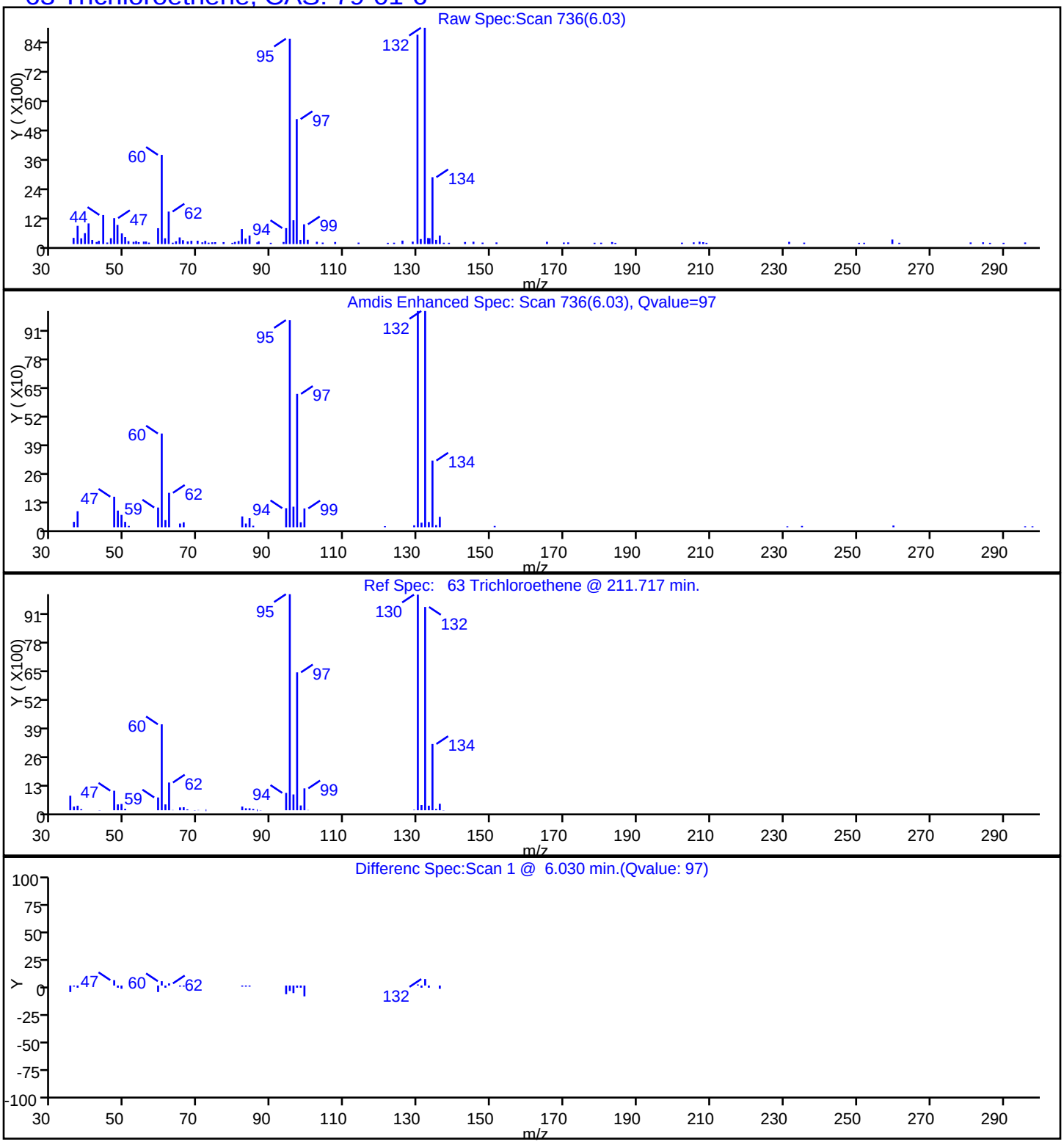
Report Date: 25-Aug-2016 12:21:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K57010.D

Injection Date:	21-Aug-2016 16:53:30	Instrument ID:	CVOAMS9		
Lims ID:	460-118926-B-7-A	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: FB08192016 | Lab Sample ID: 460-118926-8

Matrix: Water | Lab File ID: P16402.D

Analysis Method: 8260C | Date Collected: 08/19/2016 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 12:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U	50	8.7
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
74-97-5	Chlorobromomethane	1.0	U	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.22
75-00-3	Chloroethane	1.0	U	1.0	0.37
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: FB08192016 | Lab Sample ID: 460-118926-8

Matrix: Water | Lab File ID: P16402.D

Analysis Method: 8260C | Date Collected: 08/19/2016 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 12:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32
79-20-9	Methyl acetate	5.0	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.13
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	0.60	J	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.17
127-18-4	Tetrachloroethene	1.0	U	1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	1.0	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		74-132
460-00-4	4-Bromofluorobenzene	117		77-124
1868-53-7	Dibromofluoromethane (Surr)	95		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16402.D
Lims ID: 460-118926-A-8
Client ID: FB08192016
Sample Type: Client
Inject. Date: 22-Aug-2016 12:00:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118926-A-8
Misc. Info.: 460-0044696-010
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 11:56:39 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 22-Aug-2016 11:30:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
23 Methylene Chloride	84	1.916	1.916	0.000	93	2133	0.5952	
* 29 TBA-d9 (IS)	65	2.095	2.110	-0.015	100	323558	1000.0	
$ 47 Dibromofluoromethane (Surr	113	3.077	3.077	0.000	96	57835	47.3	
* 49 2-Butanone-d5	46	3.134	3.141	-0.007	98	379107	250.0	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	97	62878	40.2	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	549754	50.0	
* 72 1,4-Dioxane-d8	96	4.602	4.610	-0.008	91	28938	1000.0	
$ 76 Toluene-d8 (Surr)	98	5.269	5.269	-0.001	99	272627	47.9	
* 90 Chlorobenzene-d5	117	7.145	7.145	0.000	88	373978	50.0	
$ 101 4-Bromofluorobenzene	174	8.929	8.922	0.007	89	157618	58.4	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	97	180370	50.0	

Reagents:

8260ISNEW_00083 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00135 Amount Added: 1.00 Units: uL Run Reagent

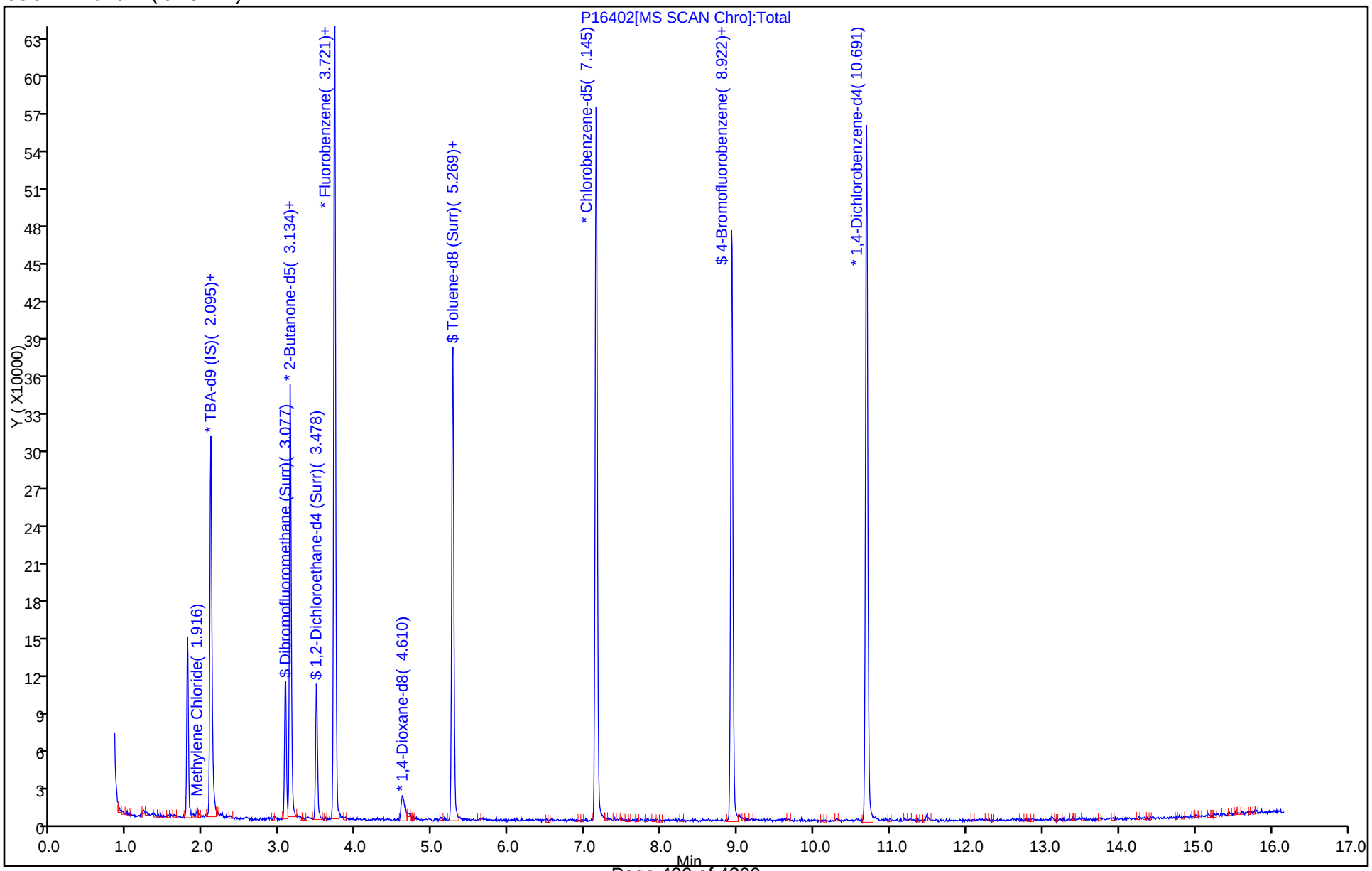
Report Date: 22-Aug-2016 11:57:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16402.D

Injection Date:	22-Aug-2016 12:00:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-118926-A-8	Lab Sample ID:	460-118926-8	Worklist Smp#:	10
Client ID:	FB08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



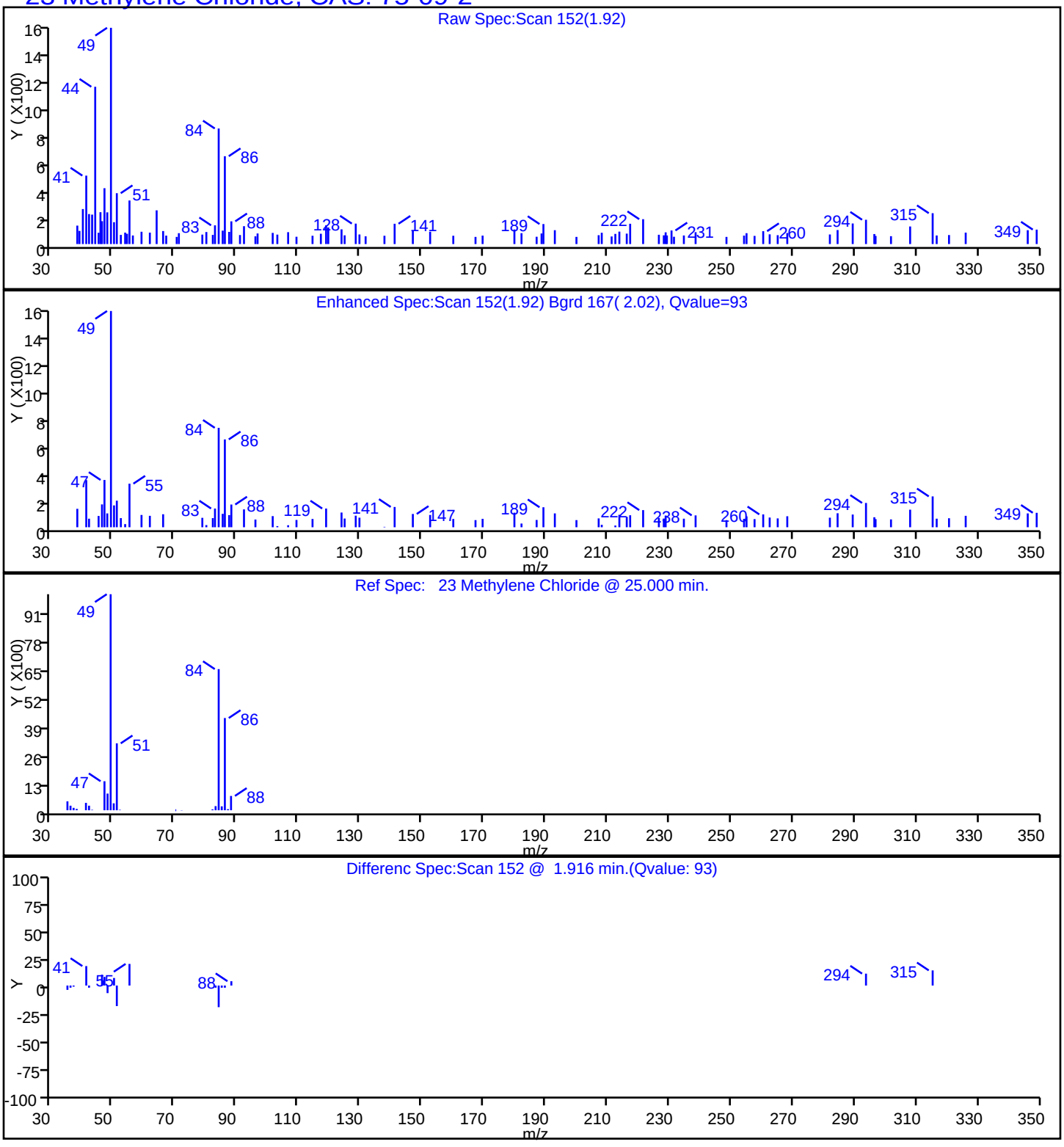
Report Date: 22-Aug-2016 11:57:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16402.D

Injection Date:	22-Aug-2016 12:00:30	Instrument ID:	CVOAMS13		
Lims ID:	460-118926-A-8	Lab Sample ID:	460-118926-8		
Client ID:	FB08192016				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

23 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: TB08192016 | Lab Sample ID: 460-118926-9

Matrix: Water | Lab File ID: P16405.D

Analysis Method: 8260C | Date Collected: 08/19/2016 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 13:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U	50	8.7
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
74-97-5	Chlorobromomethane	1.0	U	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.22
75-00-3	Chloroethane	1.0	U	1.0	0.37
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: TB08192016 | Lab Sample ID: 460-118926-9

Matrix: Water | Lab File ID: P16405.D

Analysis Method: 8260C | Date Collected: 08/19/2016 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 13:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32
79-20-9	Methyl acetate	5.0	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.13
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.17
127-18-4	Tetrachloroethene	1.0	U	1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	1.0	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		74-132
460-00-4	4-Bromofluorobenzene	114		77-124
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16405.D
Lims ID: 460-118926-A-9
Client ID: TB08192016
Sample Type: Client
Inject. Date: 22-Aug-2016 13:18:30 ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118926-A-9
Misc. Info.: 460-0044696-011
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 13:58:25 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 22-Aug-2016 13:47:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
23 Methylene Chloride	84	1.916	1.916	0.000	94	3667	1.05	
* 29 TBA-d9 (IS)	65	2.095	2.110	-0.015	100	303830	1000.0	
$ 47 Dibromofluoromethane (Surr	113	3.077	3.077	0.000	94	58168	48.7	
* 49 2-Butanone-d5	46	3.134	3.141	-0.007	98	365348	250.0	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	97	66717	43.7	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	536915	50.0	
* 72 1,4-Dioxane-d8	96	4.602	4.610	-0.008	88	27943	1000.0	
$ 76 Toluene-d8 (Surr)	98	5.268	5.269	-0.001	99	277755	49.5	
* 90 Chlorobenzene-d5	117	7.145	7.145	0.000	87	368510	50.0	
$ 101 4-Bromofluorobenzene	174	8.929	8.922	0.007	88	151724	57.0	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	97	179145	50.0	

Reagents:

8260ISNEW_00083 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00135 Amount Added: 1.00 Units: uL Run Reagent

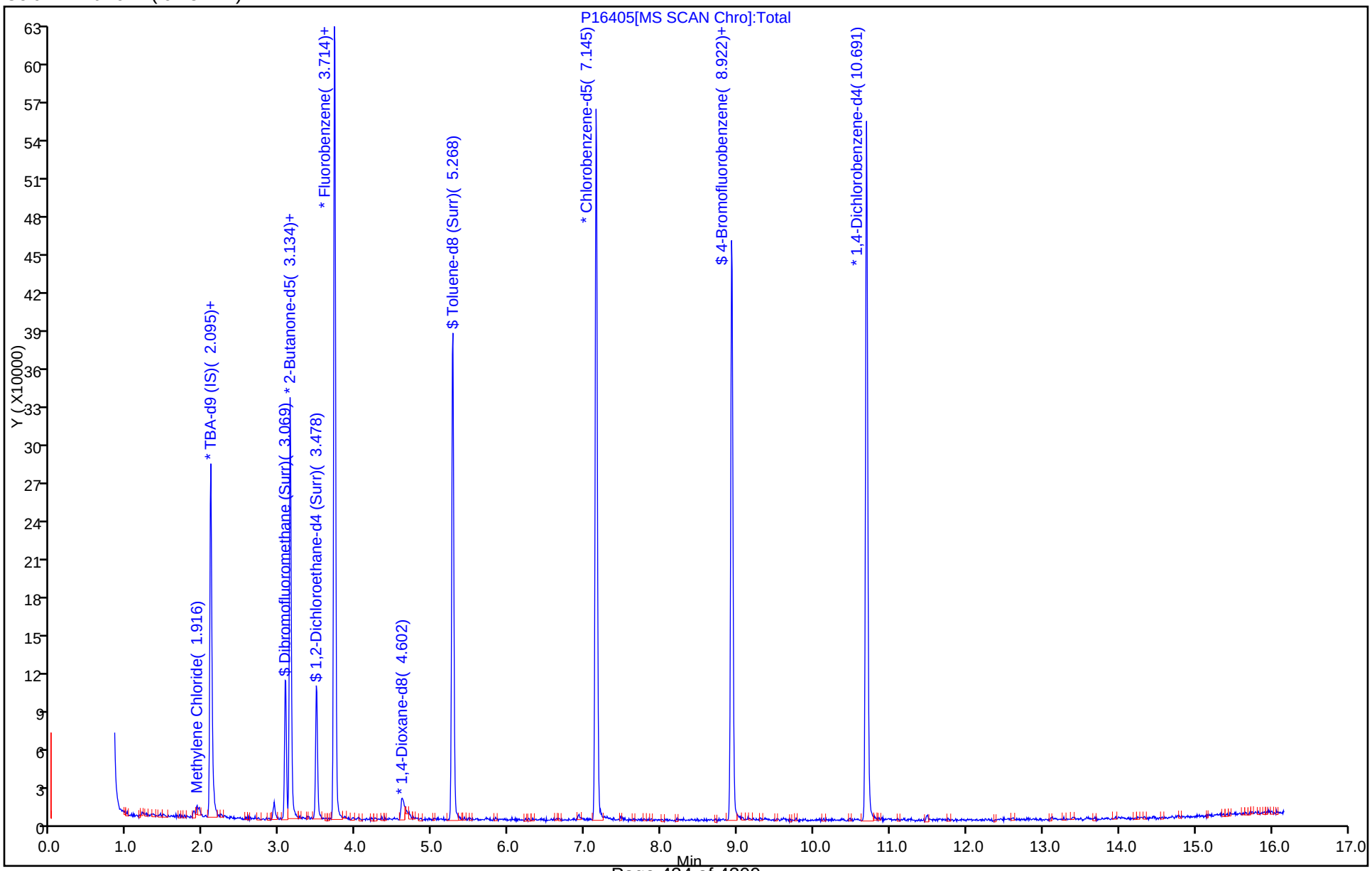
Report Date: 22-Aug-2016 13:58:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16405.D

Injection Date:	22-Aug-2016 13:18:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-118926-A-9	Lab Sample ID:	460-118926-9	Worklist Smp#:	11
Client ID:	TB08192016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



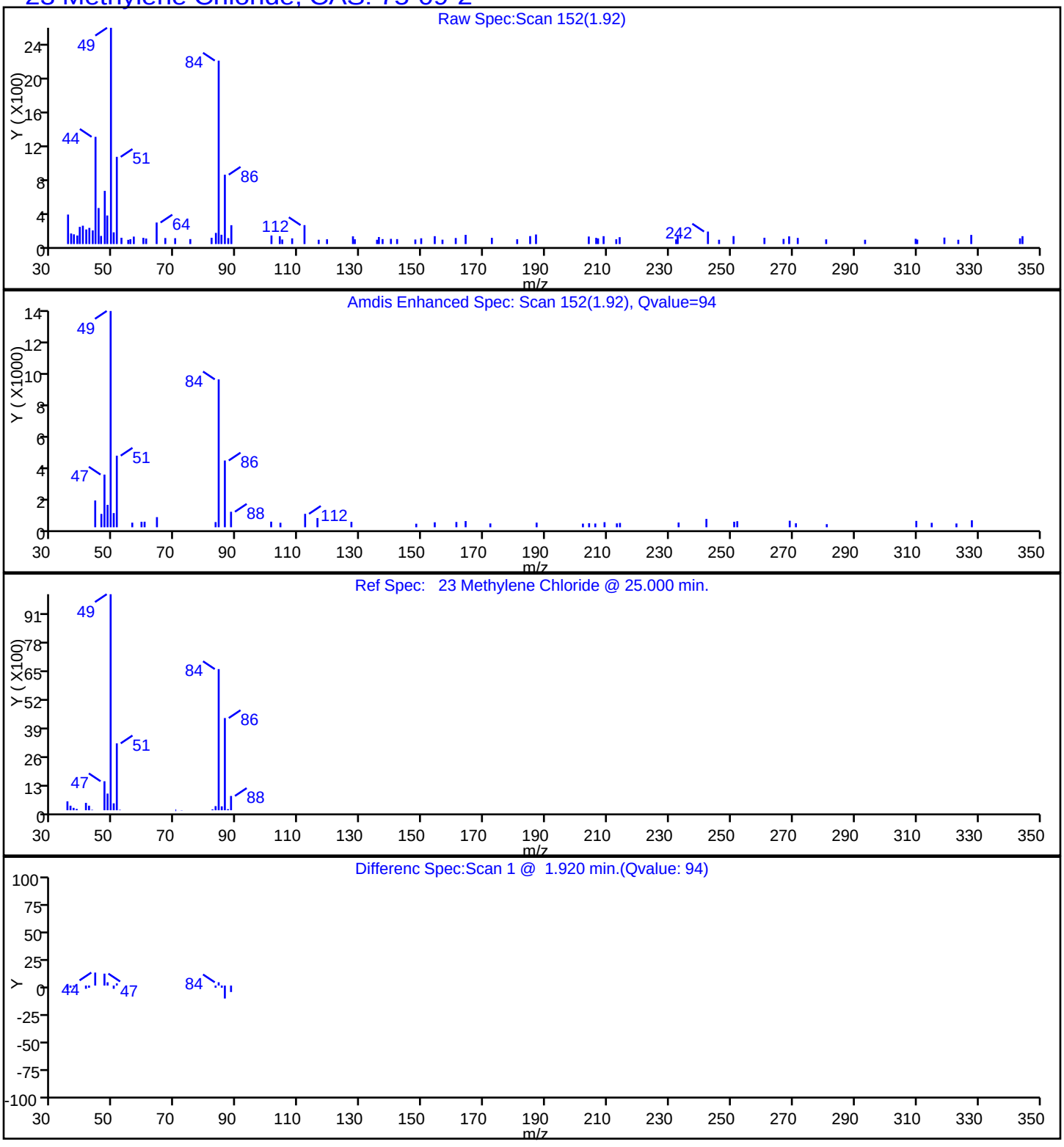
Report Date: 22-Aug-2016 13:58:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16405.D

Injection Date:	22-Aug-2016 13:18:30	Instrument ID:	CVOAMS13		
Lims ID:	460-118926-A-9	Lab Sample ID:	460-118926-9		
Client ID:	TB08192016				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

23 Methylene Chloride, CAS: 75-09-2



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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-385507/2	P16286.D
Level 2	STD05 460-385507/3	P16287.D
Level 3	STD1 460-385507/4	P16288.D
Level 4	STD5 460-385507/14	P16298.D
Level 5	STD20 460-385507/6	P16290.D
Level 6	STD50 460-385507/7	P16291.D
Level 7	STD200 460-385507/8	P16292.D
Level 8	STD500 460-385507/9	P16293.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.1768	0.1909 0.2305	0.1991 0.2319	0.1479	0.1718	Ave		0.1927				16.0		20.0			
Dichlorodifluoromethane	+++++ 0.6812	0.6855 0.6996	0.4239 0.7373	0.5166	0.6151	Ave		0.6227			0.1000	18.2		20.0			
Vinyl chloride	+++++ 0.5873	0.6487 0.5825	0.6493 0.6511	0.4940	0.5370	Ave		0.5928			0.1000	10.4		20.0			
Butadiene	+++++ 0.5232	0.4256 0.5341	0.5300 0.6033	0.4155	0.4465	Ave		0.4969				13.9		20.0			
Chloromethane	+++++ 0.8486	0.8177 0.8446	0.9225 0.9635	0.7085	0.7847	Ave		0.8414			0.1000	10.1		20.0			
Bromomethane	+++++ 1.3219	1.1490 1.4940	1.3343 1.7703	1.1945	1.2268	Ave		1.3558			0.1000	15.9		20.0			
Chloroethane	+++++ 0.2701	0.2313 0.2579	0.2123 0.2878	0.2421	0.2464	Ave		0.2497			0.1000	10.0		20.0			
Pentane	+++++ 1.9715	2.3241 2.3881	2.4274 2.3187	1.4357	2.0463	Ave		2.1302				16.5		20.0			
Trichlorofluoromethane	+++++ 0.5561	0.4848 0.5429	0.5358 0.5594	0.4825	0.5009	Ave		0.5232			0.1000	6.3		20.0			
Dichlorofluoromethane	+++++ 0.5833	0.5397 0.5685	0.6982 0.5836	0.5609	0.5684	Ave		0.5861				8.8		20.0			
2-Methyl-1,3-butadiene	+++++ 0.6007	0.6432 0.7010	0.6803 0.7771	0.4639	0.6031	Ave		0.6385				15.4		20.0			
Ethyl ether	+++++ 0.3700	0.4422 0.3866	0.4282 0.4139	0.3696	0.3800	Ave		0.3986				7.4		20.0			
Ethanol	+++++ 0.0705	0.0746 0.0827	0.0546 0.0876	0.0797	0.0810	Ave		0.0758				14.4		20.0			
1,1-Dichloroethene	+++++ 0.2471	0.3384 0.3061	0.2972 0.3227	0.2457	0.2572	Ave		0.2878			0.1000	13.1		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.3546	0.4177 0.4377	0.4526 0.3818	0.3271	0.3766	Ave		0.3926				11.6		20.0			
Carbon disulfide	+++++ 0.9807	1.1301 1.1770	1.1205 1.2705	0.8719	1.0058	Ave		1.0795			0.1000	12.5		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2075	0.2406 0.3237	0.2250 0.3611	0.1340	0.2351	QuaF		0.2837	0.0001557		0.1000				0.9990		0.9900
Iodomethane	+++++ 0.2046	0.0463 0.2601	0.0848 0.2631	0.0946	0.1458	QuaF		0.2479	0.0000312						0.9990		0.9900
Cyclopentene	+++++ 0.7863	0.9395 0.9236	0.8298 1.0337	0.6175	0.8011	Ave		0.8474				15.8		20.0			
Acrolein	+++++ 1.7401	2.0505 1.9753	1.8015 1.8808	1.8092	1.8949	Ave		1.8789				5.7		20.0			
Allyl chloride	+++++ 0.1725	0.1981 0.1588	0.1934 0.1447	0.1745	0.1642	Ave		0.1723				10.9		20.0			
Isopropyl alcohol	+++++ 0.8725	1.1461 0.8325	1.1057 0.8218	0.8809	0.8662	Ave		0.9322				14.4		20.0			
Methylene Chloride	+++++ 0.3181	0.3667 0.3274	0.2967 0.3371	0.3094	0.3261	Ave		0.3259			0.1000	6.8		20.0			
Acetone	+++++ 0.7695	1.1192 0.7546	0.9684 0.7182	0.7514	0.7698	Ave		0.8359			0.0500	17.9		20.0			
trans-1,2-Dichloroethene	+++++ 0.2584	0.3400 0.2835	0.3524 0.3028	0.2639	0.2627	Ave		0.2948			0.1000	13.0		20.0			
Methyl acetate	+++++ 0.3659	0.2982 0.3250	0.3756 0.3328	0.3511	0.3494	Ave		0.3426			0.1000	7.7		20.0			
Hexane	+++++ 0.5806	0.6360 0.7683	0.6528 0.8198	0.4134	0.6385	QuaF		0.7091	0.0002229						1.0000		0.9900
Methyl tert-butyl ether	+++++ 0.9820	0.9433 0.9921	1.0600 1.0634	0.9690	1.0018	Ave		1.0017			0.1000	4.5		20.0			
2-Methyl-2-propanol	+++++ 1.2043	2.2911 1.2058	2.0611 1.2593	1.3166	1.2054	Qua	8.4011	1.1660	0.0000183						1.0000		0.9900
Acetonitrile	+++++ 1.7618	1.4143 1.7090	1.9041 1.6723	1.6914	1.8420	Ave		1.7136				9.1		20.0			
Isopropyl ether	+++++ 1.1711	1.2590 1.2060	1.2223 1.2525	1.0922	1.1916	Ave		1.1993				4.7		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2230	0.2670 0.2572	0.2546 0.2704	0.2064	0.2324	Ave		0.2444				9.9		20.0			
1,1-Dichloroethane	+++++ 0.5527	0.5127 0.6015	0.7093 0.6297	0.5829	0.5806	Ave		0.5956			0.2000	10.4		20.0			
Acrylonitrile	0.1716 0.1672	0.1340 0.1674	0.1668 0.1713	0.1564	0.1671	Ave		0.1627				7.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Tert-butyl ethyl ether	+++++ 1.0460	0.9932 1.0924	1.0607 1.1381	1.0162	1.0480	Ave		1.0564				4.5		20.0			
Vinyl acetate	+++++ 0.7550	0.6374 0.8451	0.7472 0.8532	0.6183	0.7688	Ave		0.7464				12.2		20.0			
cis-1,2-Dichloroethene	+++++ 0.2915	0.3341 0.3003	0.3493 0.3195	0.3064	0.2925	Ave		0.3134			0.1000	7.0		20.0			
2,2-Dichloropropane	+++++ 0.3605	0.3812 0.4162	0.4124 0.4274	0.3421	0.3747	Ave		0.3878				8.2		20.0			
Cyclohexane	+++++ 0.3990	0.4674 0.5786	0.3914 0.6059	0.2491	0.4441	QuaF		0.5345	0.0001445		0.1000				0.9990		0.9900
Chlorobromomethane	+++++ 0.1116	0.1420 0.1257	0.1454 0.1286	0.1427	0.1206	Ave		0.1309				9.8		20.0			
Chloroform	+++++ 0.4728	0.4893 0.4923	0.4934 0.5124	0.4799	0.4799	Ave		0.4886			0.2000	2.6		20.0			
Carbon tetrachloride	+++++ 0.2606	0.2827 0.3406	0.3168 0.3616	0.2053	0.2648	Ave		0.2903			0.1000	18.4		20.0			
Ethyl acetate	+++++ 2.6468	2.3661 2.6960	2.6392 2.8153	2.3740	2.6599	Ave		2.5996				6.4		20.0			
Methyl acrylate	+++++ 0.3670	0.3536 0.3641	0.3688 0.3893	0.3173	0.3529	Ave		0.3590				6.1		20.0			
Tetrahydrofuran	+++++ 1.0460	1.0434 1.0528	1.1098 1.0171	1.0751	1.0597	Ave		1.0577				2.7		20.0			
1,1,1-Trichloroethane	+++++ 0.3448	0.3950 0.4048	0.4136 0.4230	0.3261	0.3556	Ave		0.3804			0.1000	9.9		20.0			
2-Butanone (MEK)	+++++ 0.3142	0.3417 0.3006	0.3527 0.3209	0.3036	0.3286	Ave		0.3232			0.0500	6.0		20.0			
1,1-Dichloropropene	+++++ 0.3345	0.4729 0.4153	0.4747 0.4327	0.3546	0.3602	Ave		0.4064				14.1		20.0			
2,2,4-Trimethylpentane	+++++ 0.9519	0.9846 1.0984	0.9480 1.1123	0.5237	0.9381	QuaF		1.0657	0.0000946						1.0000		0.9900
n-Heptane	+++++ 0.1682	0.1923 0.2812	0.2103 0.2905	0.0725	0.1978	QuaF		0.2582	0.0000656						0.9980		0.9900
Benzene	+++++ 1.6574	1.6838 1.7308	1.8782 1.7488	1.6292	1.6945	Ave		1.7175			0.5000	4.8		20.0			
Propionitrile	+++++ 1.7775	1.1950 1.7962	1.7795 1.9181	1.6004	1.7264	Ave		1.6847				14.0		20.0			
Methacrylonitrile	+++++ 0.1609	0.1300 0.1569	0.1466 0.1661	0.1483	0.1599	Ave		0.1527				8.0		20.0			
Tert-amyl methyl ether	+++++ 0.8941	0.8194 0.8909	0.8964 0.9511	0.8518	0.8969	Ave		0.8858				4.6		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethane	+++++ 0.3833	0.4720 0.3896	0.4658 0.4104	0.3876	0.3971	Ave		0.4151			0.1000	9.1		20.0			
Isobutyl alcohol	+++++ 0.4896	0.3901 0.5310	0.4318 0.5831	0.4582	0.4745	Ave		0.4797				13.2		20.0			
Isopropyl acetate	+++++ 0.7165	0.6034 0.7315	0.6961 0.7812	0.6200	0.7094	Ave		0.6940				9.0		20.0			
Methylcyclohexane	+++++ 0.3431	0.3384 0.5052	0.3486 0.5295	0.1775	0.3787	QuaF		0.4655	0.0001296		0.1000				0.9990		0.9900
Trichloroethene	+++++ 0.2291	0.2708 0.2548	0.3040 0.2712	0.2351	0.2310	Ave		0.2566			0.2000	10.7		20.0			
Dibromomethane	+++++ 0.1728	0.1665 0.1763	0.1881 0.1800	0.1755	0.1761	Ave		0.1765				3.7		20.0			
n-Butanol	+++++ 0.2964	0.2005 0.3197	0.2437 0.3584	0.2491	0.2839	Ave		0.2788				18.9		20.0			
1,2-Dichloropropane	+++++ 0.3100	0.2918 0.3198	0.3140 0.3387	0.2839	0.3111	Ave		0.3099			0.1000	5.8		20.0			
Ethyl acrylate	+++++ 0.4866	0.3745 0.5004	0.4336 0.5454	0.3904	0.4506	Ave		0.4545				13.4		20.0			
Dichlorobromomethane	+++++ 0.3554	0.3160 0.3710	0.3737 0.4006	0.3519	0.3438	Ave		0.3589			0.2000	7.4		20.0			
Methyl methacrylate	+++++ 0.0878	0.0636 0.0907	0.0761 0.0950	0.0736	0.0876	Ave		0.0821				13.7		20.0			
1,4-Dioxane	+++++ 1.1882	0.9319 1.2901	1.5286 1.2149	1.3344	1.2416	Ave		1.2471				14.4		20.0			
n-Propyl acetate	+++++ 0.5484	0.4722 0.5684	0.4409 0.6023	0.4650	0.5244	Ave		0.5174				11.6		20.0			
2-Chloroethyl vinyl ether	+++++ 0.2424	0.1465 0.2458	0.1853 0.2593	0.2307	0.2336	Ave		0.2205				18.1		20.0			
cis-1,3-Dichloropropene	+++++ 0.6629	0.6203 0.6984	0.6354 0.7343	0.5945	0.6428	Ave		0.6555			0.2000	7.3		20.0			
Toluene	+++++ 1.5854	2.2488 1.7010	2.0572 1.7300	1.5789	1.5893	Ave		1.7844			0.4000	14.8		20.0			
Epichlorohydrin	0.2213 0.2404	0.1558 0.2438	0.2161 0.2599	0.2187	0.2344	Ave		0.2238				13.9		20.0			
2-Nitropropane	+++++ 0.0783	0.0670 0.0822	0.0671 0.0906	0.0612	0.0716	Ave		0.0740				13.8		20.0			
Tetrachloroethene	+++++ 0.3014	0.4054 0.3596	0.3490 0.3670	0.2862	0.3080	Ave		0.3395			0.2000	12.5		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.4225	1.6672 2.5702	2.0236 2.7437	2.1702	2.2985	Ave		2.2709			0.0500	15.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	+++++ 0.6239	0.5853 0.6589	0.5185 0.7037	0.5407	0.5975	Ave		0.6041			0.1000	10.7		20.0			
1,1,2-Trichloroethane	+++++ 0.3161	0.3303 0.3266	0.3668 0.3381	0.3179	0.3142	Ave		0.3300			0.1000	5.6		20.0			
Ethyl methacrylate	+++++ 0.4138	0.2956 0.4411	0.3399 0.4759	0.3449	0.3968	Ave		0.3869				16.3		20.0			
Chlorodibromomethane	+++++ 0.3673	0.3278 0.3791	0.3501 0.3969	0.3351	0.3398	Ave		0.3566			0.1000	7.1		20.0			
1,3-Dichloropropane	+++++ 0.6679	0.5810 0.6800	0.6564 0.7016	0.6737	0.6655	Ave		0.6609				5.7		20.0			
Ethylene Dibromide	+++++ 0.3649	0.3435 0.3715	0.3526 0.3792	0.3537	0.3558	Ave		0.3602			0.1000	3.4		20.0			
n-Butyl acetate	+++++ 0.8631	0.6195 0.9111	0.6831 1.0101	0.6629	0.7727	Ave		0.7889				18.3		20.0			
2-Hexanone	+++++ 1.7133	1.2139 1.8083	1.4754 1.9353	1.5438	1.6453	Ave		1.6193			0.0500	14.6		20.0			
Chlorobenzene	+++++ 0.9555	1.2122 1.0043	1.1226 1.0299	0.9887	0.9806	Ave		1.0420			0.5000	8.9		20.0			
Ethylbenzene	+++++ 0.4888	0.6104 0.5603	0.5424 0.5760	0.4838	0.5090	Ave		0.5387			0.1000	8.8		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3197	0.2608 0.3486	0.3453 0.3650	0.3035	0.3123	Ave		0.3222				10.8		20.0			
m-Xylene & p-Xylene	+++++ 0.6167	0.8935 0.6863	0.7263 0.6962	0.6030	0.6248	Ave		0.6924			0.1000	14.4		20.0			
o-Xylene	+++++ 0.6201	0.6294 0.6739	0.6956 0.6844	0.6041	0.5977	Ave		0.6436			0.3000	6.2		20.0			
Bromoform	+++++ 0.2199	0.2304 0.2504	0.2628 0.2627	0.1910	0.2027	Ave		0.2314			0.1000	12.4		20.0			
Styrene	+++++ 1.0550	0.8674 1.1526	0.9740 1.1831	0.9486	1.0354	Ave		1.0309			0.3000	10.9		20.0			
n-Butyl acrylate	+++++ 0.3611	0.2091 0.4004	0.2735 0.4210	0.2769	0.3253	Qua2	-0.061	0.3287	0.0002119						0.9950		0.9900
Isopropylbenzene	+++++ 1.4703	1.6729 1.7539	1.6335 1.7621	1.3335	1.5372	Ave		1.5948			0.1000	9.8		20.0			
Amyl acetate (mixed isomers)	+++++ 2.0516	1.1764 2.1856	1.4539 2.4977	1.5306	1.8753	Qua2	-0.343	1.8258	0.0014352						0.9960		0.9900
Bromobenzene	+++++ 0.7901	0.8089 0.8028	0.8071 0.8729	0.8404	0.7802	Ave		0.8146				3.9		20.0			
N-Propylbenzene	+++++ 3.6829	3.8577 4.2888	4.0625 4.6175	3.3384	3.7846	Ave		3.9475				10.6		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	+++++ 1.0457	0.8609 1.0455	1.0041 1.1466	0.9751	1.0408	Ave		1.0170			0.3000	8.5		20.0			
2-Chlorotoluene	+++++ 2.6131	3.1217 2.8483	2.7988 3.1858	2.5591	2.6274	Ave		2.8220				8.8		20.0			
4-Ethyltoluene	+++++ 3.3113	3.3545 3.4546	3.1004 3.7712	2.9397	3.2355	Ave		3.3096				8.0		20.0			
1,2,3-Trichloropropane	+++++ 0.2905	0.2472 0.2788	0.2572 0.3054	0.2832	0.2911	Ave		0.2790				7.3		20.0			
1,3,5-Trimethylbenzene	+++++ 2.5621	2.6749 2.8402	2.7627 3.0536	2.3690	2.5352	Ave		2.6854				8.4		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3334	0.2026 0.3437	0.3052 0.3959	0.2783	0.2973	Ave		0.3080				19.5		20.0			
4-Chlorotoluene	+++++ 2.4853	2.3677 2.6095	2.6037 2.8574	2.3792	2.4603	Ave		2.5376				6.7		20.0			
tert-Butylbenzene	+++++ 2.0108	2.2167 2.3390	2.3790 2.5042	1.7466	2.0741	Ave		2.1815				11.8		20.0			
Butyl Methacrylate	+++++ 1.0927	0.5776 1.2225	0.6538 1.3965	0.7642	0.9711	Qua2	-0.208	0.9405	0.0009995						0.9920		0.9900
1,2,4-Trimethylbenzene	+++++ 2.7078	2.5976 2.9474	2.7619 3.2070	2.5034	2.7247	Ave		2.7785				8.4		20.0			
sec-Butylbenzene	+++++ 3.0431	3.4530 3.7393	3.1944 3.8999	2.4711	3.1808	Ave		3.2831				14.5		20.0			
1,3-Dichlorobenzene	+++++ 1.4640	1.7758 1.5446	1.6925 1.6698	1.4024	1.4946	Ave		1.5777			0.6000	8.7		20.0			
4-Isopropyltoluene	+++++ 2.6328	2.6486 3.1259	2.7565 3.3781	2.2474	2.6594	Ave		2.7784				13.3		20.0			
1,4-Dichlorobenzene	+++++ 1.5047	1.7486 1.5583	1.8316 1.6663	1.5402	1.5151	Ave		1.6236			0.5000	7.9		20.0			
Indan	+++++ 2.9362	2.7407 2.9012	2.8373 3.0405	2.7411	2.9658	Ave		2.8804				3.9		20.0			
Benzyl chloride	+++++ 2.2644	1.6455 2.4163	1.6003 2.6722	1.5910	2.0640	Qua2	-0.208	1.9573	0.0015904						0.9910		0.9900
p-Diethylbenzene	+++++ 1.6390	1.5851 1.7376	1.5115 1.8487	1.3066	1.5922	Ave		1.6030				10.7		20.0			
n-Butylbenzene	+++++ 2.5309	2.6709 3.0837	2.8043 3.2117	1.9297	2.5883	Ave		2.6885				15.6		20.0			
1,2-Dichlorobenzene	+++++ 1.4615	1.6005 1.4782	1.7191 1.5739	1.3965	1.4448	Ave		1.5249			0.4000	7.3		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 2.6653	2.2082 2.7793	2.2566 3.0434	2.1116	2.5560	Ave		2.5172				13.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	+++++ 0.1955	0.1283 0.1913	0.1590 0.2032	0.1786	0.1803	Ave		0.1766			0.0500	14.5		20.0			
1,3,5-Trichlorobenzene	+++++ 1.1095	1.1566 1.1285	1.0602 1.2133	1.0027	1.0843	Ave		1.1079				6.1		20.0			
1,2,4-Trichlorobenzene	+++++ 1.0221	1.0917 1.0999	1.0811 1.2437	0.8829	0.9652	Ave		1.0552			0.2000	10.8		20.0			
Hexachlorobutadiene	+++++ 0.3912	0.6583 0.4933	0.5068 0.5359	0.3225	0.4026	Qua2	0.1452	0.3614	0.0003928						0.9900		0.9900
Naphthalene	+++++ 2.5010	2.6788 2.8228	2.2954 3.0283	1.8490	2.2366	Ave		2.4874				16.0		20.0			
1,2,3-Trichlorobenzene	+++++ 0.9536	1.1294 1.0183	1.0906 1.1010	0.8752	0.9633	Ave		1.0188				9.1		20.0			
Dibromofluoromethane (Surr)	+++++ 0.1161	0.1216 0.1199	0.1151 0.0669	0.1194	0.1189	Ave		0.1111				17.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.1374 0.1455	0.1465 0.1498	0.1414 0.1305	0.1416	0.1441	Ave		0.1421				4.2		20.0			
Toluene-d8 (Surr)	0.7737 0.7833	0.7948 0.7899	0.7806 0.5997	0.7692	0.8017	Ave		0.7616				8.7		20.0			
4-Bromofluorobenzene	0.3620 0.3723	0.3833 0.3895	0.3598 0.2753	0.3695	0.3767	Ave		0.3610				10.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-385507/2	P16286.D
Level 2	STD05 460-385507/3	P16287.D
Level 3	STD1 460-385507/4	P16288.D
Level 4	STD5 460-385507/14	P16298.D
Level 5	STD20 460-385507/6	P16290.D
Level 6	STD50 460-385507/7	P16291.D
Level 7	STD200 460-385507/8	P16292.D
Level 8	STD500 460-385507/9	P16293.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 106601	1106 554494	2243 1413318	8476	41076	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorodifluoromethane	FB	Ave	+++++ 410686	3972 1682815	4776 4493906	29604	147030	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl chloride	FB	Ave	+++++ 354109	3759 1401057	7316 3968379	28311	128346	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butadiene	FB	Ave	+++++ 315449	2466 1284632	5971 3676990	23808	106736	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloromethane	FB	Ave	+++++ 511626	4738 2031658	10393 5873008	40603	187557	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromomethane	BUT	Ave	+++++ 128634	1105 567489	2356 1741052	10567	46567	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloroethane	FB	Ave	+++++ 162852	1340 620398	2392 1754478	13876	58892	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Pentane	TBAd 9	Ave	+++++ 80347	960 380821	1784 948642	5132	32157	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Trichlorofluoromethane	FB	Ave	+++++ 335309	2809 1305980	6037 3409637	27651	119735	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorofluoromethane	FB	Ave	+++++ 351716	3127 1367515	7866 3557015	32143	135866	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 362189	3727 1686049	7665 4736760	26585	144166	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl ether	FB	Ave	+++++ 223071	2562 929846	4824 2522791	21180	90822	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethanol	TBAd 9	Ave	+++++ 57430	616 263821	802 716614	5695	25464	+++++ 2000	20.0 8000	40.0 20000	200	800
1,1-Dichloroethene	FB	Ave	+++++ 148967	1961 736268	3349 1966870	14079	61480	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 213815	2420 1052924	5099 2327347	18742	90024	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Carbon disulfide	FB	Ave	+++++ 591316	6548 2831068	12624 7743875	49962	240403	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	QuaF	+++++ 125102	1394 778700	2535 2201018	7677	56197	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Iodomethane	FB	QuaF	+++++ 123348	268 625673	955 1603805	5419	34851	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Cyclopentene	FB	Ave	+++++ 474076	5444 2221559	9349 6300910	35388	191490	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrolein	TBAd9	Ave	+++++ 70917	1694 157501	2648 307790	12934	29778	+++++ 100	2.00 200	4.00 400	20.0	40.0
Allyl chloride	FB	Ave	+++++ 104010	1148 382069	2179 881701	9999	39237	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl alcohol	TBAd9	Ave	+++++ 177787	2367 663769	4063 1681086	15743	68058	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methylene Chloride	FB	Ave	+++++ 191769	2125 787579	3343 2054575	17731	77948	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acetone	BUT	Ave	+++++ 374419	5382 1433185	8549 3531425	33235	146099	+++++ 250	2.50 1000	5.00 2500	25.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 155805	1970 681869	3970 1845624	15123	62798	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl acetate	FB	Ave	+++++ 1102998	8639 3908149	21157 10143961	100591	417582	+++++ 250	2.50 1000	5.00 2500	25.0	100
Hexane	FB	QuaF	+++++ 350045	3685 1848170	7355 4997086	23687	152612	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl tert-butyl ether	FB	Ave	+++++ 592084	5466 2386290	11943 6481920	55526	239459	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-2-propanol	TBAd9	Qua	+++++ 245411	4732 961422	7574 2576086	23531	94718	+++++ 500	5.00 2000	10.0 5000	50.0	200
Acetonitrile	TBAd9	Ave	+++++ 359015	2921 1362630	6997 3420869	30230	144739	+++++ 500	5.00 2000	10.0 5000	50.0	200
Isopropyl ether	FB	Ave	+++++ 706099	7295 2900959	13771 7634404	62587	284834	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 134467	1547 618743	2869 1647957	11829	55554	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloroethane	FB	Ave	+++++ 333246	2971 1446753	7992 3838030	33401	138770	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrylonitrile	FB	Ave	3902 1008267	7762 4025872	18796 10442282	89649	399475	2.00 500	5.00 2000	10.0 5000	50.0	200
Tert-butyl ethyl ether	FB	Ave	+++++ 630690	5755 2627558	11951 6936924	58230	250492	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl acetate	FB	Ave	+++++ 910362	7387 4065756	16838 10400482	70866	367528	+++++ 100	1.00 400	2.00 1000	10.0	40.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
cis-1,2-Dichloroethene	FB	Ave	+++++ 175762	1936 722323	3935 1947162	17559	69924	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2,2-Dichloropropane	FB	Ave	+++++ 217371	2209 1001099	4646 2605386	19603	89567	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Cyclohexane	FB	QuaF	+++++ 240554	2708 1391725	4410 3693359	14273	106140	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorobromomethane	FB	Ave	+++++ 67278	823 302400	1638 784131	8178	28817	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloroform	FB	Ave	+++++ 285053	2835 1184206	5559 3123006	27502	114708	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Carbon tetrachloride	FB	Ave	+++++ 157098	1638 819161	3569 2204097	11764	63294	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl acetate	BUT	Ave	+++++ 515116	4551 2048160	9320 5537523	42001	201923	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Methyl acrylate	FB	Ave	+++++ 221267	2049 875754	4155 2372948	18183	84343	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tetrahydrofuran	BUT	Ave	+++++ 203566	2007 799852	3919 2000500	19021	80447	+++++ 100	1.00 400	2.00 1000	10.0	40.0
1,1,1-Trichloroethane	FB	Ave	+++++ 207859	2289 973586	4660 2578531	18685	84996	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Butanone (MEK)	BUT	Ave	+++++ 152855	1643 570942	3114 1578178	13430	62369	+++++ 250	2.50 1000	5.00 2500	25.0	100
1,1-Dichloropropene	FB	Ave	+++++ 201668	2740 998996	5348 2637268	20320	86100	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2,2,4-Trimethylpentane	FB	QuaF	+++++ 573955	5705 2641997	10681 6779491	30008	224239	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Heptane	FB	QuaF	+++++ 101391	1114 676500	2369 1770392	4157	47282	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzene	CBNZ d5	Ave	+++++ 683283	6637 2866780	14492 7557118	64495	277642	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Propionitrile	TBAd 9	Ave	+++++ 362213	2468 1432180	6539 3923729	28604	135651	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methacrylonitrile	FB	Ave	+++++ 970033	7534 3773593	16514 10122243	85008	382139	+++++ 500	5.00 2000	10.0 5000	50.0	200
Tert-amyl methyl ether	FB	Ave	+++++ 539095	4748 2142941	10099 5797083	48813	214390	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloroethane	FB	Ave	+++++ 231122	2735 937121	5248 2501598	22213	94909	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isobutyl alcohol	TBAd 9	Ave	+++++ 249426	2014 1058458	3967 2981824	20473	93206	+++++ 1250	12.5 5000	25.0 12500	125	500
Isopropyl acetate	FB	Ave	+++++ 431991	3496 1759483	7843 4761379	35526	169554	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methylcyclohexane	FB	QuaF	+++++ 206876	1961 1215156	3928 3227421	10170	90526	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Trichloroethene	FB	Ave	+++++ 138107	1569 612822	3425 1652961	13475	55208	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromomethane	FB	Ave	+++++ 104178	965 424155	2119 1096998	10058	42082	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butanol	TBAd9	Ave	+++++ 151013	1035 637337	2239 1832992	11128	55760	+++++ 1250	12.5 5000	25.0 12500	125	500
1,2-Dichloropropane	FB	Ave	+++++ 186885	1691 769145	3538 2064372	16268	74362	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl acrylate	FB	Ave	+++++ 293368	2170 1203645	4885 3324080	22372	107716	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorobromomethane	FB	Ave	+++++ 214300	1831 892339	4210 2442029	20166	82172	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl methacrylate	FB	Ave	+++++ 105865	737 436225	1715 1158463	8439	41881	+++++ 100	1.00 400	2.00 1000	10.0	40.0
1,4-Dioxane	DXE	Ave	+++++ 45048	889 185427	2470 499576	4490	18933	+++++ 1000	25.0 4000	50.0 10000	100	400
n-Propyl acetate	FB	Ave	+++++ 330673	2736 1367282	4968 3670965	26645	125346	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 146139	849 591126	2088 1580691	13218	55828	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 273309	2445 1156796	4903 3173286	23533	105319	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Toluene	CBNZd5	Ave	+++++ 653607	8864 2817400	15873 7475811	62502	260410	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Epichlorohydrin	BUT	Ave	1913 467848	2996 1852497	7633 5112495	38696	177962	5.00 1000	10.0 4000	20.0 10000	100	400
2-Nitropropane	FB	Ave	+++++ 94434	777 395580	1511 1104781	7013	34224	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Tetrachloroethene	CBNZd5	Ave	+++++ 124266	1598 595648	2693 1585987	11329	50473	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 1178635	8017 4881576	17865 13491775	95990	436228	+++++ 250	2.50 1000	5.00 2500	25.0	100
trans-1,3-Dichloropropene	CBNZd5	Ave	+++++ 257200	2307 1091275	4001 3040842	21406	97893	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 130312	1302 540876	2830 1460934	12583	51485	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl methacrylate	FB	Ave	+++++ 249506	1713 1060982	3829 2900513	19767	94836	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorodibromomethane	CBNZd5	Ave	+++++ 151415	1292 627950	2701 1715119	13267	55679	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 275364	2290 1126343	5065 3031760	26668	109042	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 150430	1354 615317	2721 1638626	14003	58303	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acetate	CBNZ d5	Ave	+++++ 355822	2442 1509064	5271 4364978	26242	126602	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Hexanone	BUT	Ave	+++++ 833576	5837 3434531	13025 9516562	68281	312258	+++++ 250	2.50 1000	5.00 2500	25.0	100
Chlorobenzene	CBNZ d5	Ave	+++++ 393936	4778 1663519	8662 4450703	39140	160671	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylbenzene	CBNZ d5	Ave	+++++ 201518	2406 928058	4185 2488940	19153	83401	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 131797	1028 577348	2664 1577431	12016	51163	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 254256	3522 1136739	5604 3008593	23871	102378	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
o-Xylene	CBNZ d5	Ave	+++++ 255669	2481 1116211	5367 2957583	23914	97931	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromoform	CBNZ d5	Ave	+++++ 90666	908 414717	2028 1135436	7563	33216	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Styrene	CBNZ d5	Ave	+++++ 434941	3419 1909003	7515 5112464	37551	169652	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acrylate	CBNZ d5	Qua2	+++++ 148878	824 663136	2110 1819515	10963	53295	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 606158	6594 2905098	12604 7614775	52790	251864	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Amyl acetate (mixed isomers)	DCBd 4	Qua2	+++++ 420357	2375 1866738	5631 5132421	30026	153297	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromobenzene	DCBd 4	Ave	+++++ 161890	1633 685666	3126 1793696	16486	63775	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
N-Propylbenzene	DCBd 4	Ave	+++++ 754590	7788 3663068	15734 9488418	65491	309367	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 214264	1738 892928	3889 2356120	19128	85077	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 535405	6302 2432729	10840 6546464	50202	214774	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 678451	6772 2950558	12008 7749336	57668	264486	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 59524	499 238147	996 627467	5555	23792	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 524961	5400 2425786	10700 6274628	46473	207237	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 68305	409 293535	1182 813479	5460	24303	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 509228	4780 2228728	10084 5871597	46674	201115	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 412007	4475 1997719	9214 5145798	34264	169547	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butyl Methacrylate	DCBd 4	Qua2	+++++ 223890	1166 1044150	2532 2869616	14991	79383	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 554798	5244 2517355	10697 6590014	49110	222724	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 623513	6971 3193760	12372 8013799	48477	260012	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 299958	3585 1319255	6555 3431130	27511	122171	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 539436	5347 2669841	10676 6941613	44088	217388	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 308311	3530 1330965	7094 3424099	30214	123847	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Indan	DCBd 4	Ave	+++++ 601612	5533 2477901	10989 6247815	53772	242437	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzyl chloride	DCBd 4	Qua2	+++++ 463967	3322 2063727	6198 5490928	31211	168720	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 335809	3200 1484050	5854 3798872	25632	130154	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butylbenzene	DCBd 4	Ave	+++++ 518559	5392 2633814	10861 6599541	37856	211580	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 299454	3231 1262490	6658 3234220	27396	118103	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 546108	4458 2373762	8740 6253721	41424	208934	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 40047	259 163379	616 417484	3504	14738	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 227323	2335 963845	4106 2493246	19671	88632	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 209416	2204 939445	4187 2555716	17320	78902	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Hexachlorobutadiene	DCBd 4	Qua2	+++++ 80155	1329 421319	1963 1101288	6327	32907	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Naphthalene	DCBd 4	Ave	+++++ 512439	5408 2410935	8890 6222821	36273	182827	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 195378	2280 869709	4224 2262300	17169	78740	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385507

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2016 10:49 Calibration End Date: 08/18/2016 17:04 Calibration ID: 57296

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	+++++ 70018	70485 72073	64819 40790	68450	71042	+++++ 50.0	50.0 50.0	50.0 50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	78103 87710	84873 90107	79668 79537	81142	86114	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	304115 322929	313272 327071	301161 259136	304506	328378	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	142279 153489	151093 161290	138816 118950	146265	154306	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16286.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-Aug-2016 10:49:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0044608-002
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 16:02:54 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desais Date: 18-Aug-2016 12:22:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	2.095	2.110	-0.015	100	337193	1000.0	1000.0	
33 Acrylonitrile	53	2.418	2.418	0.000	95	3902	2.00	2.11	
* 49 2-Butanone-d5	46	3.134	3.141	-0.007	98	432138	250.0	250.0	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.485	3.478	0.007	98	78103	50.0	48.3	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	568399	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.610	4.602	0.008	90	31188	1000.0	1000.0	
$ 76 Toluene-d8 (Surr)	98	5.269	5.269	0.000	99	304115	50.0	50.8	
78 Epichlorohydrin	57	5.362	5.355	0.008	63	1913	5.00	4.94	
* 90 Chlorobenzene-d5	117	7.145	7.152	-0.007	89	393080	50.0	50.0	
$ 101 4-Bromofluorobenzene	174	8.929	8.922	0.007	89	142279	50.0	50.1	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	97	195443	50.0	50.0	

Reagents:

ACROLEIN W_00053	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00024	Amount Added:	2.00	Units: uL	
14DIOXINTER_00059	Amount Added:	0.00	Units: uL	
GAS Hi_00161	Amount Added:	0.00	Units: uL	
MIX I Hi_00062	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00047	Amount Added:	0.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 19-Aug-2016 16:03:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16286.D

Injection Date: 18-Aug-2016 10:49:30 Instrument ID: CVOAMS13 Operator ID:

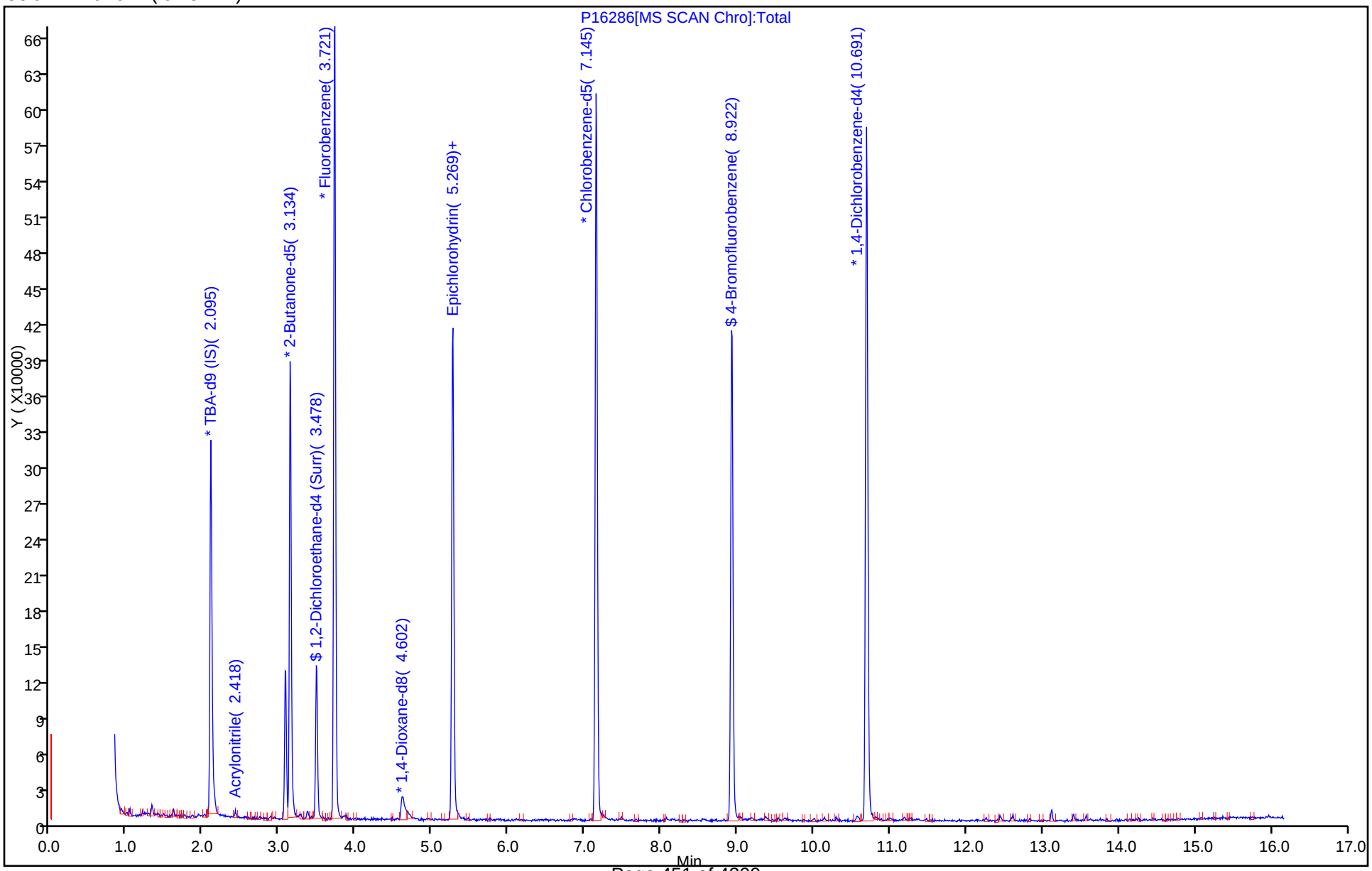
Lims ID: STD8 Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16287.D
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Aug-2016 11:23:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD05
Misc. Info.: 460-0044608-003
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 16:04:35 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desais Date: 18-Aug-2016 12:27:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.878	0.878	0.000	38	1106	0.5000	0.4953	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	96	3972	0.5000	0.5504	M
3 Vinyl chloride	62	1.028	1.028	0.000	54	3759	0.5000	0.5471	M
5 Chloromethane	50	1.035	1.035	0.000	80	4738	0.5000	0.4859	
4 Butadiene	54	1.035	1.035	0.000	91	2466	0.5000	0.4283	
6 Bromomethane	94	1.186	1.193	-0.007	33	1105	0.5000	0.4237	
7 Chloroethane	64	1.250	1.250	0.000	32	1340	0.5000	0.4631	
8 Pentane	72	1.315	1.315	0.000	95	960	1.00	1.09	
9 Trichlorofluoromethane	101	1.315	1.315	0.000	49	2809	0.5000	0.4633	
10 Dichlorofluoromethane	67	1.358	1.350	0.008	96	3127	0.5000	0.4604	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	93	3727	0.5000	0.5037	
12 Ethyl ether	59	1.479	1.486	-0.007	95	2562	0.5000	0.5546	
15 Ethanol	46	1.587	1.580	0.007	27	616	20.0	19.7	
13 1,1-Dichloroethene	96	1.587	1.587	0.000	97	1961	0.5000	0.5880	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	86	2420	0.5000	0.5319	
16 Carbon disulfide	76	1.601	1.601	0.000	100	6548	0.5000	0.5234	
17 1,1,2-Trichloro-1,2,2-trif	101	1.615	1.608	0.007	42	1394	0.5000	0.4239	
18 Iodomethane	142	1.666	1.666	0.000	58	268	0.5000	0.0933	
19 Cyclopentene	67	1.752	1.752	0.000	94	5444	0.5000	0.5544	
20 Acrolein	56	1.773	1.773	0.000	93	1694	2.00	2.18	
21 3-Chloro-1-propene	76	1.845	1.852	-0.007	86	1148	0.5000	0.5749	
22 Isopropyl alcohol	45	1.881	1.888	-0.008	92	2367	5.00	6.15	
23 Methylene Chloride	84	1.909	1.909	0.000	96	2125	0.5000	0.5626	
24 Acetone	43	1.938	1.945	-0.007	87	5382	2.50	3.35	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	92	1970	0.5000	0.5766	
26 Methyl acetate	43	2.017	2.017	0.000	100	8639	2.50	2.18	
27 Hexane	57	2.045	2.052	-0.007	70	3685	0.5000	0.4483	M
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	85	5466	0.5000	0.4709	
* 29 TBA-d9 (IS)	65	2.103	2.110	-0.007	100	413070	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.153	2.153	0.000	95	4732	5.00	2.62	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	2.231	2.224	0.007	58	2921	5.00	4.13	M
32 Isopropyl ether	45	2.310	2.310	0.000	97	7295	0.5000	0.5249	
34 2-Chloro-1,3-butadiene	88	2.360	2.368	-0.008	90	1547	0.5000	0.5461	
35 1,1-Dichloroethane	63	2.375	2.382	-0.007	96	2971	0.5000	0.4304	
33 Acrylonitrile	53	2.411	2.418	-0.007	96	7762	5.00	4.12	
37 Vinyl acetate	43	2.554	2.554	0.000	100	7387	1.00	0.8540	
36 Tert-butyl ethyl ether	59	2.554	2.554	0.000	62	5755	0.5000	0.4701	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	94	1936	0.5000	0.5331	
39 2,2-Dichloropropane	77	2.819	2.812	0.007	93	2209	0.5000	0.4915	
40 Cyclohexane	56	2.876	2.876	0.000	81	2708	0.5000	0.4371	
41 Chlorobromomethane	128	2.876	2.883	-0.007	87	823	0.5000	0.5423	
42 Chloroform	83	2.941	2.941	0.000	91	2835	0.5000	0.5007	
43 Carbon tetrachloride	117	3.034	3.034	0.000	53	1638	0.5000	0.4869	
45 Ethyl acetate	43	3.048	3.041	0.007	95	4551	1.00	0.9102	
44 Methyl acrylate	55	3.048	3.048	0.000	54	2049	0.5000	0.4925	
46 Tetrahydrofuran	42	3.070	3.055	0.015	33	2007	1.00	0.9865	
$ 47 Dibromofluoromethane (Surr	113	3.070	3.077	-0.007	96	70485	50.0	54.7	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	36	2289	0.5000	0.5192	
* 49 2-Butanone-d5	46	3.134	3.141	-0.007	98	480858	250.0	250.0	
50 2-Butanone (MEK)	72	3.170	3.177	-0.007	97	1643	2.50	2.64	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	57	2740	0.5000	0.5818	
53 Isooctane	57	3.270	3.270	0.000	97	5705	0.5000	0.4619	
54 n-Heptane	57	3.363	3.363	0.000	54	1114	0.5000	0.3723	
55 Benzene	78	3.363	3.370	-0.007	97	6637	0.5000	0.4902	
51 Propionitrile	54	3.406	3.399	0.007	45	2468	5.00	3.55	
56 Methacrylonitrile	67	3.413	3.413	0.000	93	7534	5.00	4.26	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	96	84873	50.0	51.5	
57 Tert-amyl methyl ether	73	3.492	3.485	0.007	38	4748	0.5000	0.4625	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	93	2735	0.5000	0.5685	
60 Isobutyl alcohol	43	3.614	3.614	0.000	77	2014	12.5	10.2	
136 t-Amyl alcohol	59	3.678	3.686	-0.008	32	1460	5.00	4.59	
* 61 Fluorobenzene	96	3.714	3.721	-0.007	98	579430	50.0	50.0	
62 Isopropyl acetate	43	3.793	3.786	0.007	95	3496	0.5000	0.4347	
63 Methylcyclohexane	83	3.858	3.850	0.008	69	1961	0.5000	0.3635	
64 Trichloroethene	130	3.865	3.865	0.000	91	1569	0.5000	0.5277	
137 2-ethoxy-2-methyl butane	59	4.108	4.115	-0.007	94	3709	0.5000	0.4394	
65 Dibromomethane	93	4.251	4.244	0.007	64	965	0.5000	0.4719	
66 n-Butanol	56	4.280	4.259	0.021	44	1035	12.5	8.99	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	68	1691	0.5000	0.4709	
68 Ethyl acrylate	55	4.416	4.409	0.007	90	2170	0.5000	0.4120	
69 Dichlorobromomethane	83	4.416	4.416	0.000	92	1831	0.5000	0.4402	
* 72 1,4-Dioxane-d8	96	4.610	4.602	0.008	92	38159	1000.0	1000.0	
70 Methyl methacrylate	100	4.617	4.617	0.000	68	737	1.00	0.7750	
71 1,4-Dioxane	88	4.645	4.645	0.000	27	889	25.0	18.7	
73 n-Propyl acetate	43	4.774	4.774	0.000	97	2736	0.5000	0.4563	
74 2-Chloroethyl vinyl ether	63	5.054	5.032	0.022	53	849	0.5000	0.3322	
75 cis-1,3-Dichloropropene	75	5.075	5.068	0.007	95	2445	0.5000	0.4731	
$ 76 Toluene-d8 (Surr)	98	5.269	5.269	0.000	99	313272	50.0	52.2	
77 Toluene	91	5.326	5.319	0.007	91	8864	0.5000	0.6301	
78 Epichlorohydrin	57	5.362	5.355	0.008	96	2996	10.0	6.96	
79 2-Nitropropane	41	5.584	5.584	0.000	64	777	1.00	0.9060	
80 Tetrachloroethene	166	5.756	5.748	0.008	75	1598	0.5000	0.5970	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
81 4-Methyl-2-pentanone (MIBK	43	5.806	5.799	0.007	97	8017	2.50	1.84	
82 trans-1,3-Dichloropropene	75	5.842	5.827	0.015	83	2307	0.5000	0.4845	
83 1,1,2-Trichloroethane	83	6.006	6.006	0.000	88	1302	0.5000	0.5005	
84 Ethyl methacrylate	69	6.092	6.078	0.014	85	1713	0.5000	0.3821	
85 Chlorodibromomethane	129	6.200	6.207	-0.007	89	1292	0.5000	0.4596	
86 1,3-Dichloropropane	76	6.322	6.322	0.000	89	2290	0.5000	0.4396	
87 Ethylene Dibromide	107	6.458	6.450	0.008	24	1354	0.5000	0.4769	
88 n-Butyl acetate	43	6.809	6.794	0.015	94	2442	0.5000	0.3926	
89 2-Hexanone	43	6.866	6.866	0.000	96	5837	2.50	1.87	
* 90 Chlorobenzene-d5	117	7.145	7.152	-0.007	88	394162	50.0	50.0	
91 Chlorobenzene	112	7.167	7.167	0.000	37	4778	0.5000	0.5817	
92 Ethylbenzene	106	7.253	7.253	0.000	98	2406	0.5000	0.5666	
93 1,1,1,2-Tetrachloroethane	131	7.289	7.281	0.008	79	1028	0.5000	0.4048	
94 m-Xylene & p-Xylene	106	7.475	7.468	0.007	96	3522	0.5000	0.6452	
95 o-Xylene	106	8.062	8.055	0.007	91	2481	0.5000	0.4890	
96 Bromoform	173	8.134	8.127	0.007	43	908	0.5000	0.4977	
97 Styrene	104	8.148	8.148	0.000	87	3419	0.5000	0.4207	
98 n-Butyl acrylate	73	8.492	8.470	0.022	53	824	0.5000	0.5021	
99 Isopropylbenzene	105	8.549	8.549	0.000	93	6594	0.5000	0.5245	
100 Amyl acetate (mixed isomer	43	8.900	8.886	0.014	26	2375	0.5000	0.5098	
$ 101 4-Bromofluorobenzene	174	8.929	8.922	0.007	87	151093	50.0	53.1	
102 Bromobenzene	156	9.036	9.029	0.007	96	1633	0.5000	0.4965	
103 N-Propylbenzene	91	9.187	9.187	0.000	99	7788	0.5000	0.4886	
104 1,1,2,2-Tetrachloroethane	83	9.344	9.330	0.014	89	1738	0.5000	0.4233	
105 2-Chlorotoluene	91	9.359	9.359	0.000	95	6302	0.5000	0.5531	
106 4-Ethyltoluene	105	9.387	9.373	0.014	98	6772	0.5000	0.5068	
107 1,2,3-Trichloropropane	110	9.473	9.466	0.007	22	499	0.5000	0.4429	
108 1,3,5-Trimethylbenzene	105	9.531	9.531	0.000	93	5400	0.5000	0.4980	
109 trans-1,4-Dichloro-2-buten	53	9.617	9.595	0.022	40	409	0.5000	0.3288	
110 4-Chlorotoluene	91	9.638	9.631	0.007	98	4780	0.5000	0.4665	
111 tert-Butylbenzene	119	10.003	10.003	0.000	91	4475	0.5000	0.5081	
112 Butyl Methacrylate	87	10.139	10.132	0.007	45	1166	0.5000	0.5277	M
118 1,2,4-Trimethylbenzene	105	10.147	10.132	0.015	96	5244	0.5000	0.4674	
113 sec-Butylbenzene	105	10.290	10.297	-0.007	98	6971	0.5000	0.5259	
114 1,3-Dichlorobenzene	146	10.569	10.555	0.014	91	3585	0.5000	0.5628	
115 4-Isopropyltoluene	119	10.569	10.576	-0.007	95	5347	0.5000	0.4766	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	97	201880	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.713	10.712	0.001	35	3530	0.5000	0.5385	
119 2,3-Dihydroindene	117	10.999	10.999	0.000	94	5533	0.5000	0.4758	
120 Benzyl chloride	91	11.171	11.164	0.007	86	3322	0.5000	0.5265	M
121 p-Diethylbenzene	119	11.185	11.185	0.000	88	3200	0.5000	0.4944	
122 n-Butylbenzene	91	11.271	11.264	0.007	97	5392	0.5000	0.4967	
123 1,2-Dichlorobenzene	146	11.364	11.364	0.000	91	3231	0.5000	0.5248	
124 1,2,4,5-Tetramethylbenzene	119	12.253	12.253	0.000	96	4458	0.5000	0.4386	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	11	259	0.5000	0.3632	
126 1,3,5-Trichlorobenzene	180	12.453	12.446	0.007	89	2335	0.5000	0.5220	
127 1,2,4-Trichlorobenzene	180	13.112	13.105	0.007	94	2204	0.5000	0.5173	
128 Hexachlorobutadiene	225	13.126	13.119	0.007	81	1329	0.5000	0.5086	
129 Naphthalene	128	13.406	13.399	0.007	99	5408	0.5000	0.5385	
130 1,2,3-Trichlorobenzene	180	13.571	13.571	0.000	91	2280	0.5000	0.5543	
S 131 1,2-Dichloroethene, Total	100				0		1.00	1.11	
S 134 1,3-Dichloropropene, Total	100				0		1.00	0.9576	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 132 Xylenes, Total	100				0		1.00	1.13	
S 133 Total BTEX	1				0		2.50	2.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added: 2.00	Units: uL		
14DIOXINTER_00059	Amount Added: 15.00	Units: uL		
GAS Hi_00161	Amount Added: 0.50	Units: uL		
MIX I Hi_00062	Amount Added: 0.50	Units: uL		
MIX 2 Hi_00047	Amount Added: 0.50	Units: uL		
8260ISNEW_00083	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00135	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 19-Aug-2016 16:04:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16287.D

Injection Date: 18-Aug-2016 11:23:30 Instrument ID: CVOAMS13 Operator ID:

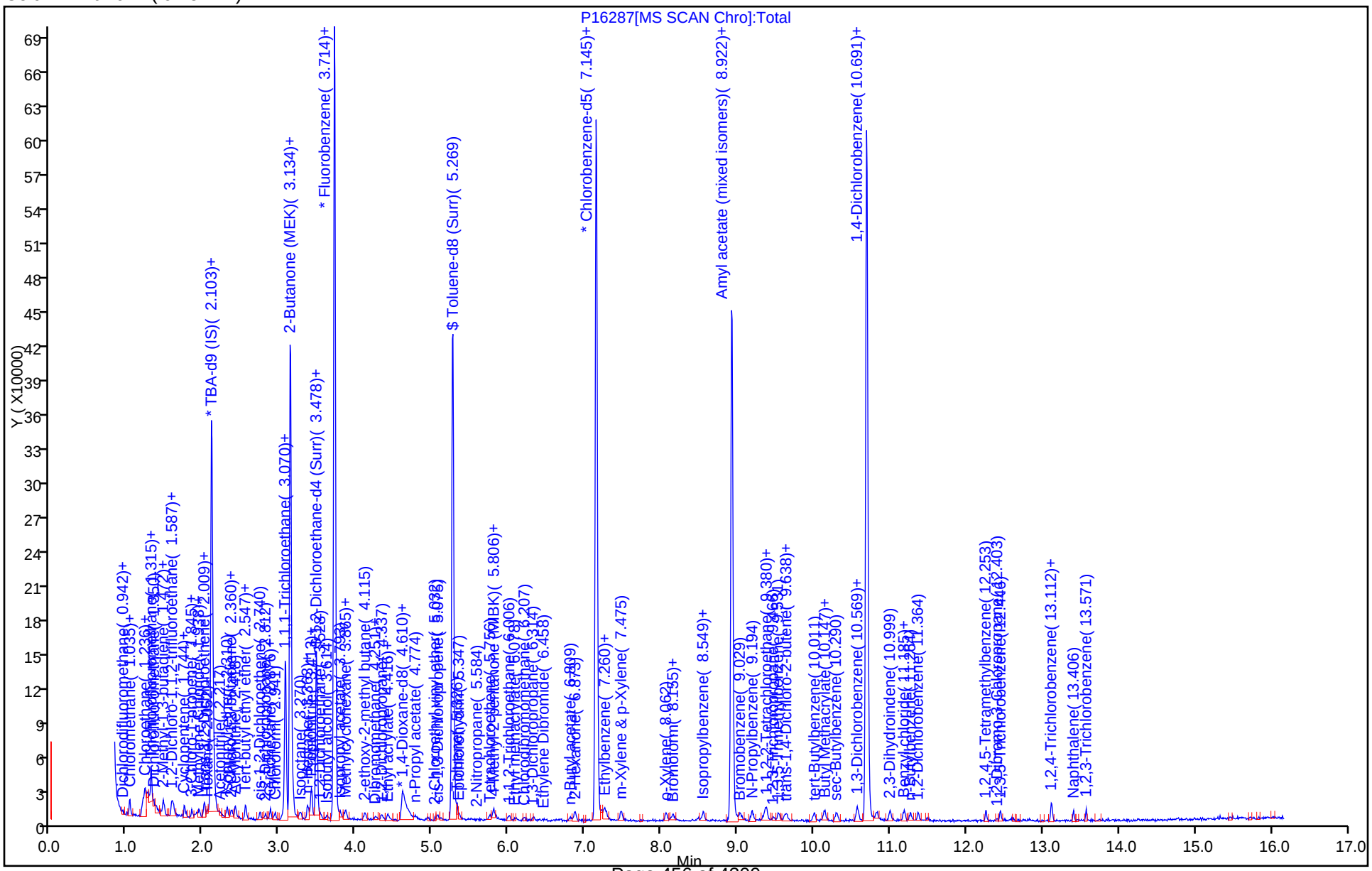
Lims ID: STD05 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

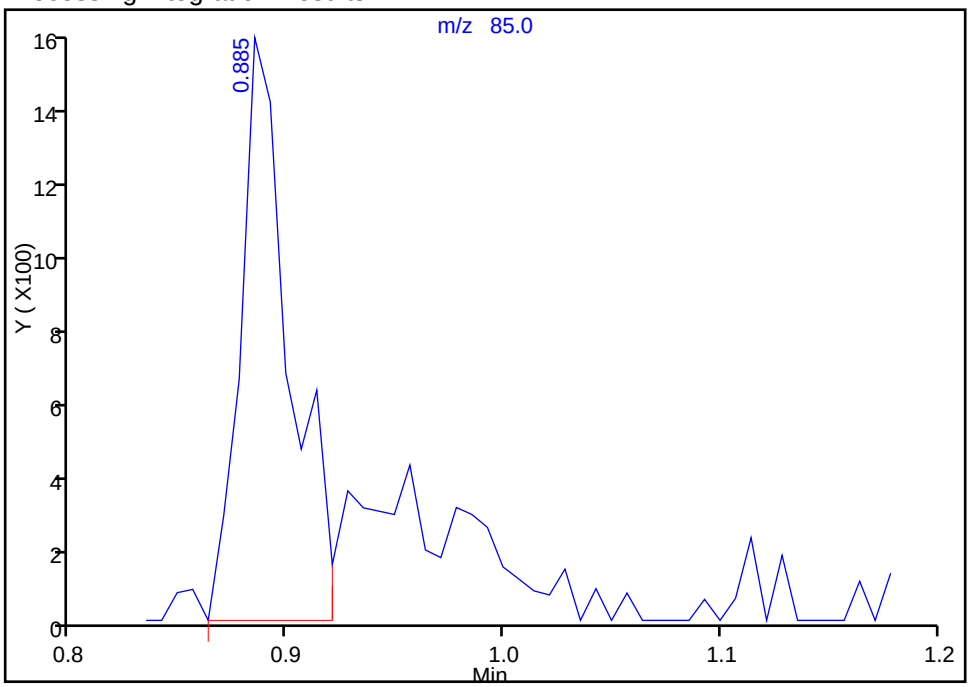
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16287.D
Injection Date: 18-Aug-2016 11:23:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

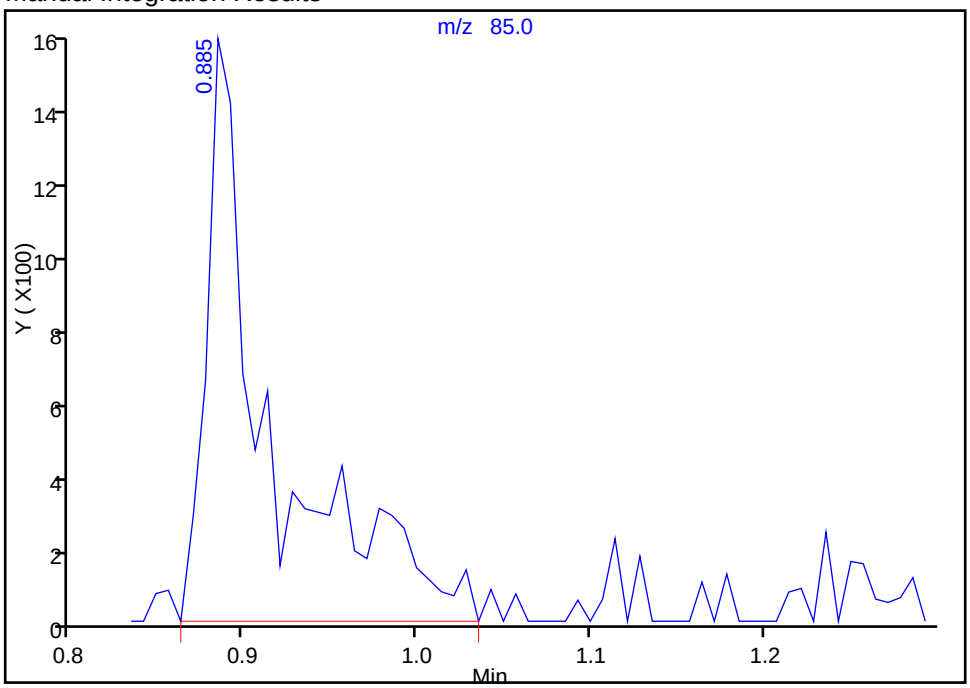
Processing Integration Results

RT: 0.88
Area: 2506
Amount: 0.352072
Amount Units: ug/l



Manual Integration Results

RT: 0.88
Area: 3972
Amount: 0.550392
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:29:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

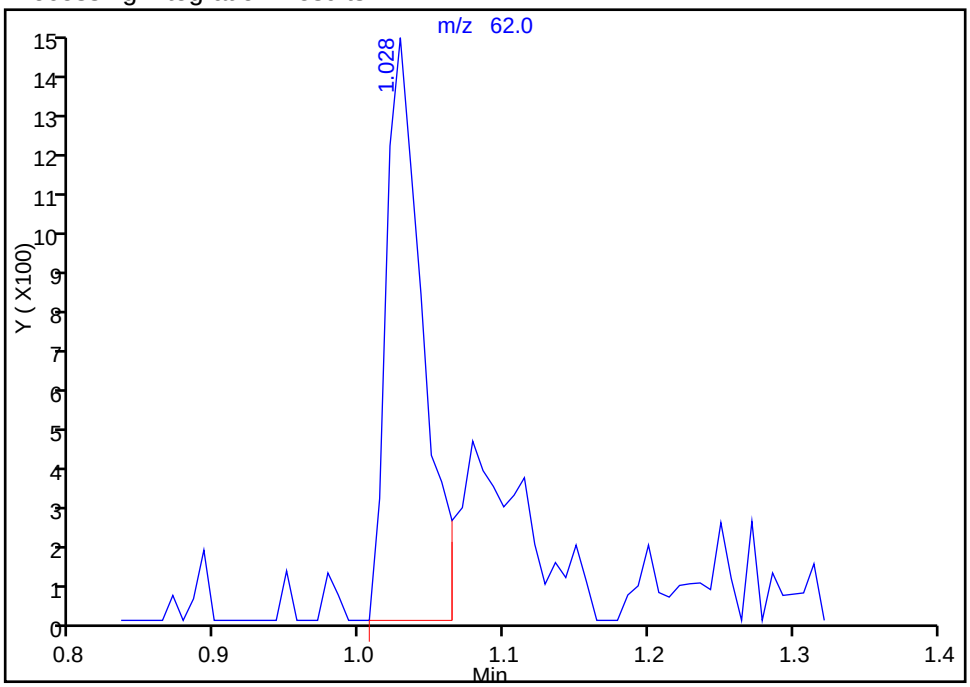
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16287.D
Injection Date: 18-Aug-2016 11:23:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 Vinyl chloride, CAS: 75-01-4

Signal: 1

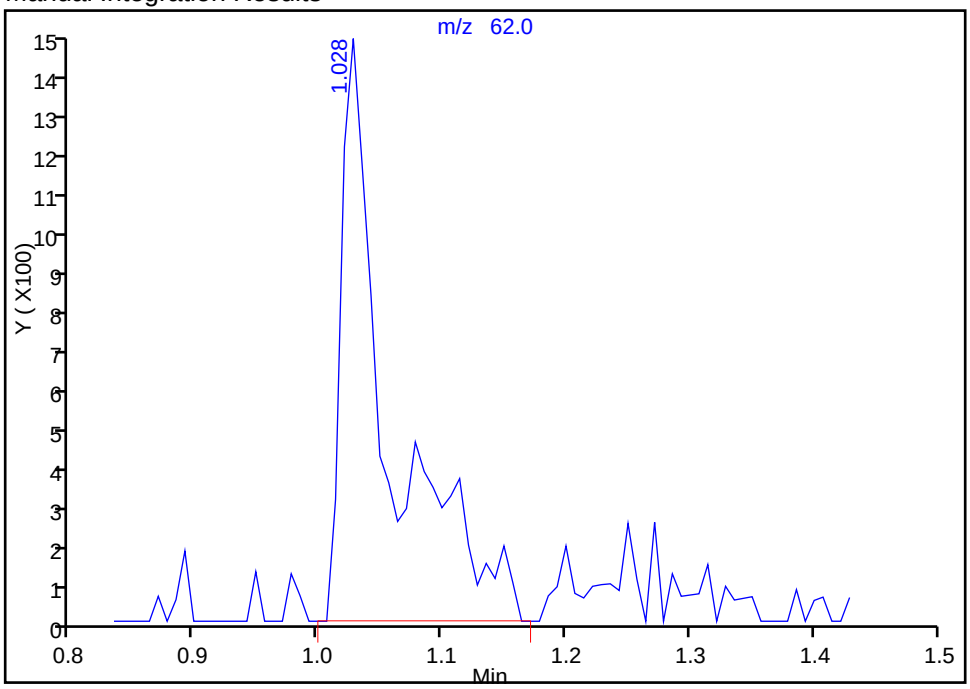
Processing Integration Results

RT: 1.03
Area: 2444
Amount: 0.376315
Amount Units: ug/l



Manual Integration Results

RT: 1.03
Area: 3759
Amount: 0.547140
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:29:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

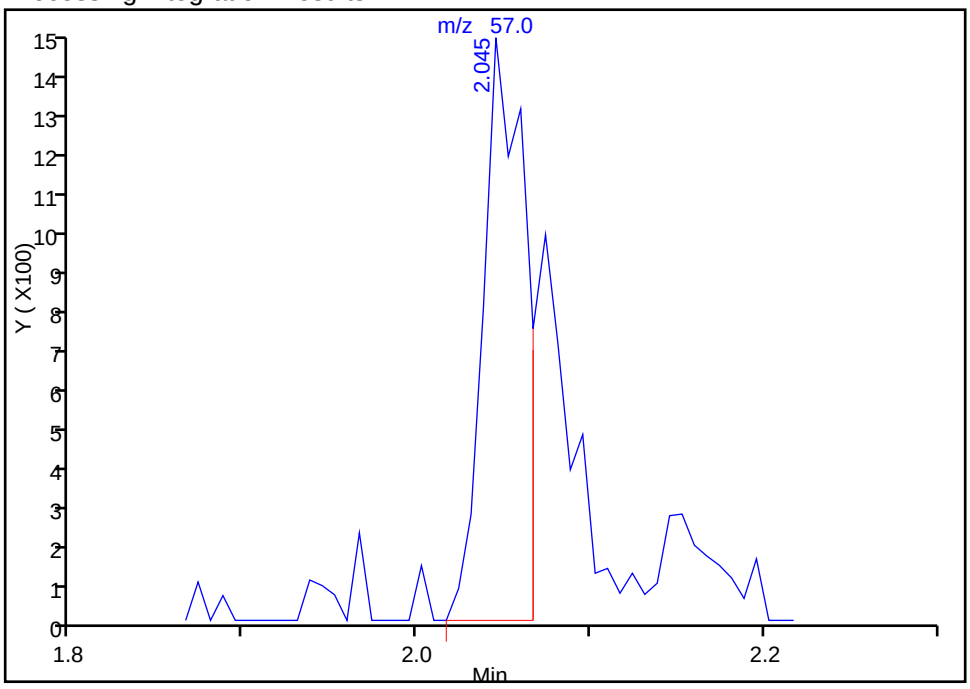
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16287.D
Injection Date: 18-Aug-2016 11:23:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

27 Hexane, CAS: 110-54-3

Signal: 1

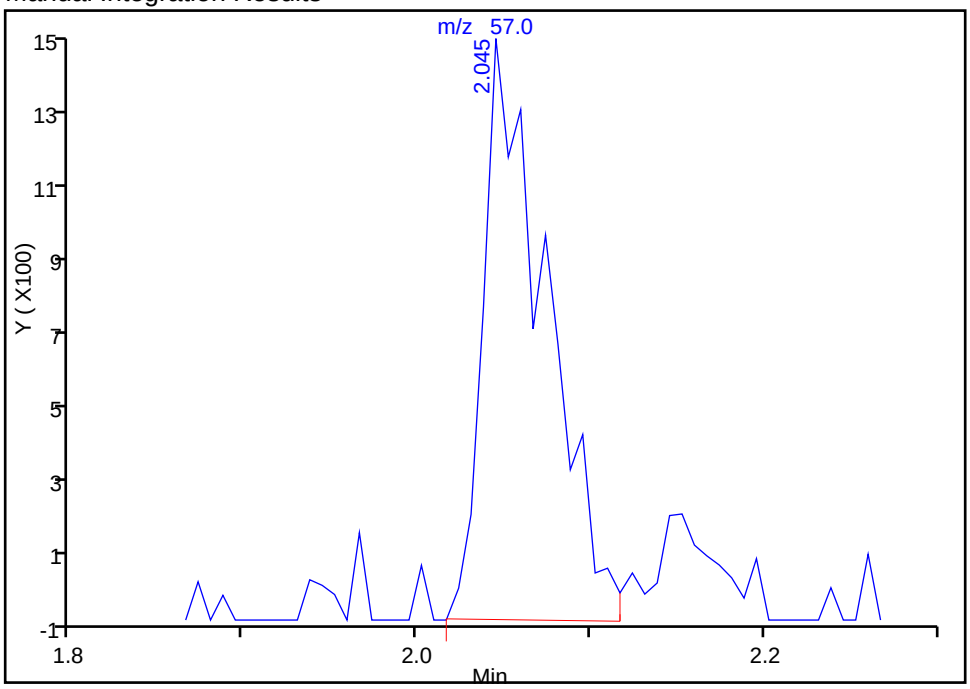
Processing Integration Results

RT: 2.05
Area: 2475
Amount: 0.301139
Amount Units: ug/l



Manual Integration Results

RT: 2.05
Area: 3685
Amount: 0.448340
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:29:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

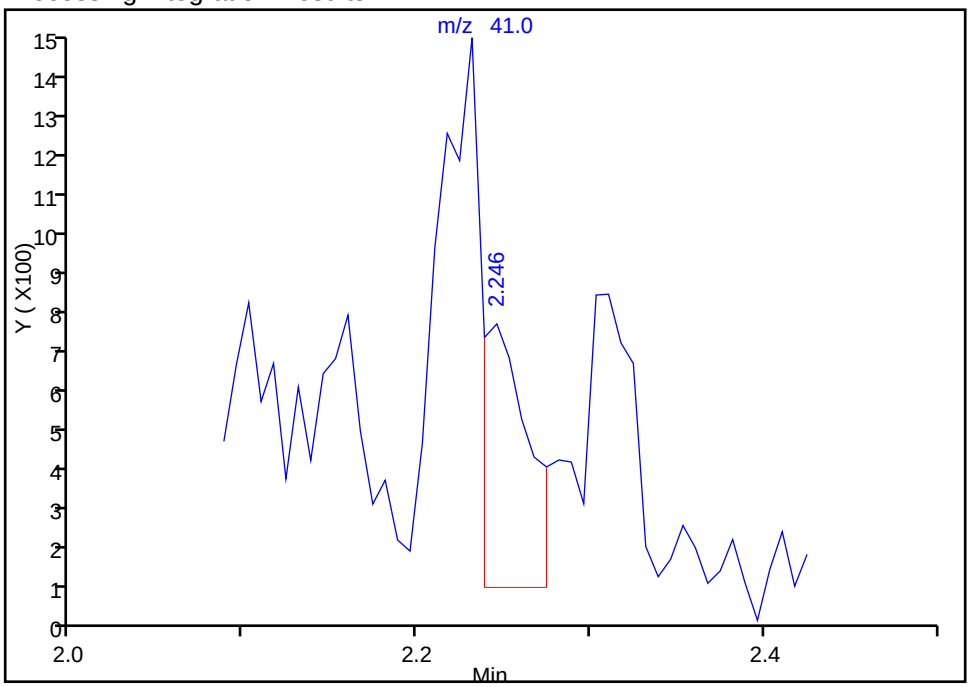
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16287.D
Injection Date: 18-Aug-2016 11:23:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

31 Acetonitrile, CAS: 75-05-8

Signal: 1

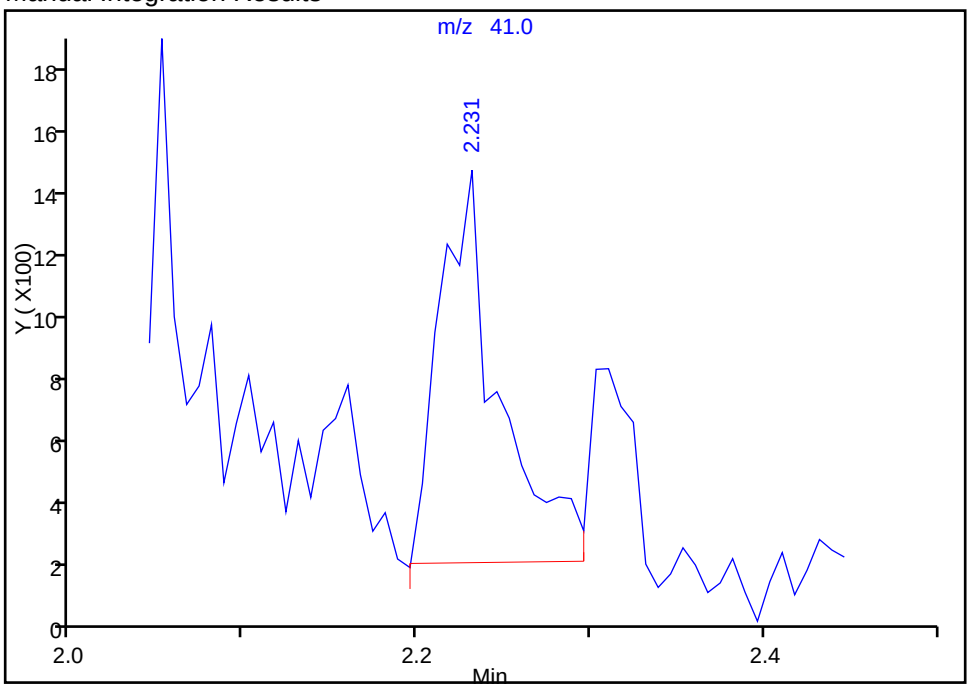
Processing Integration Results

RT: 2.25
Area: 1211
Amount: 1.684277
Amount Units: ug/l



Manual Integration Results

RT: 2.23
Area: 2921
Amount: 4.126743
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:29:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

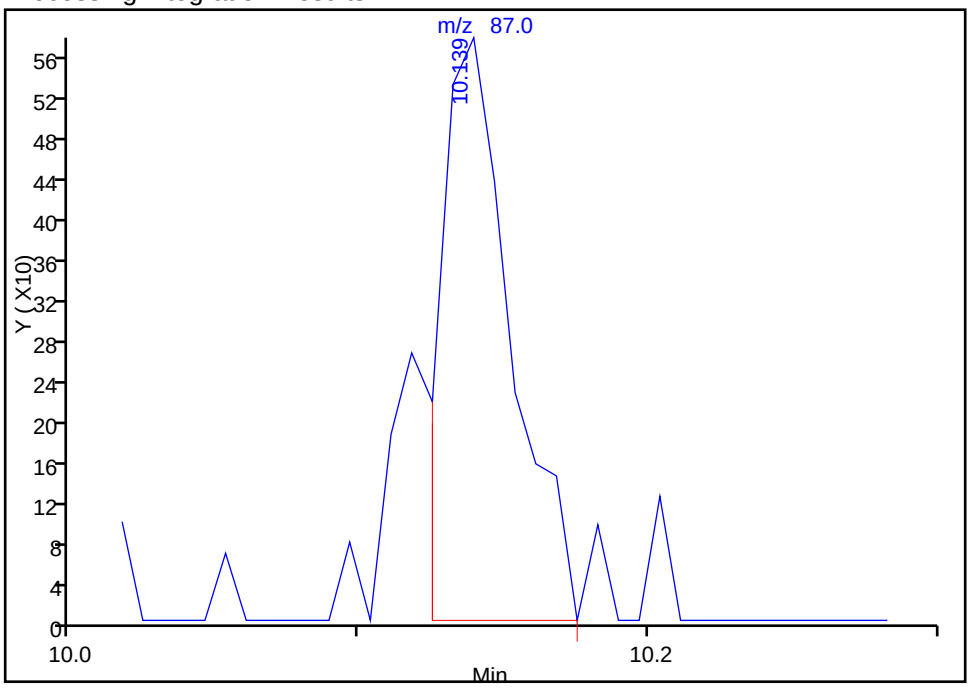
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16287.D
Injection Date: 18-Aug-2016 11:23:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

112 Butyl Methacrylate, CAS: 97-88-1

Signal: 1

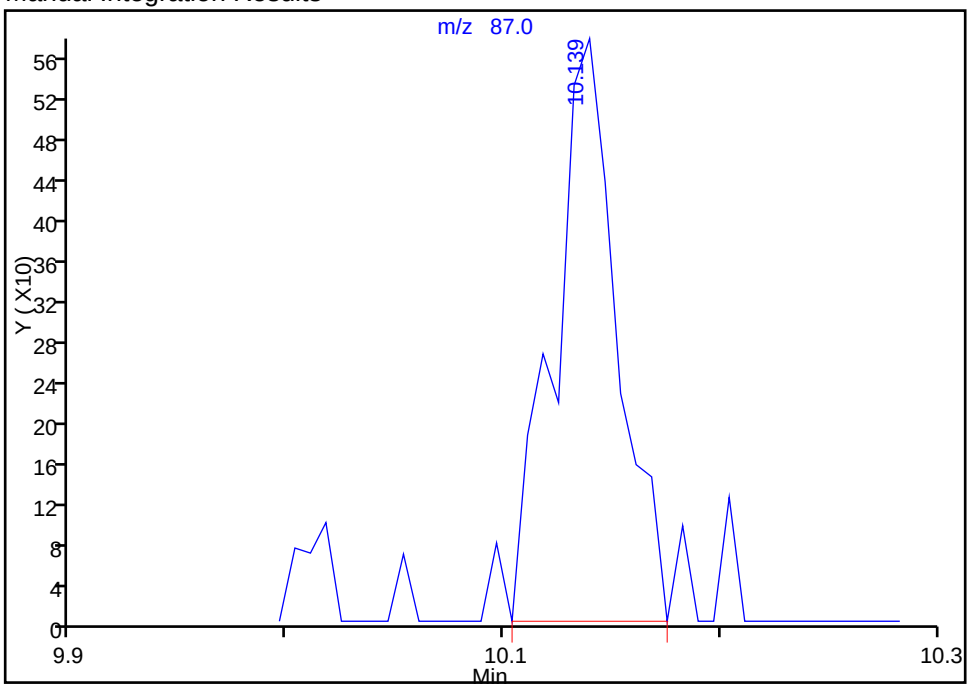
Processing Integration Results

RT: 10.14
Area: 974
Amount: 0.219933
Amount Units: ug/l



Manual Integration Results

RT: 10.14
Area: 1166
Amount: 0.527709
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:29:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

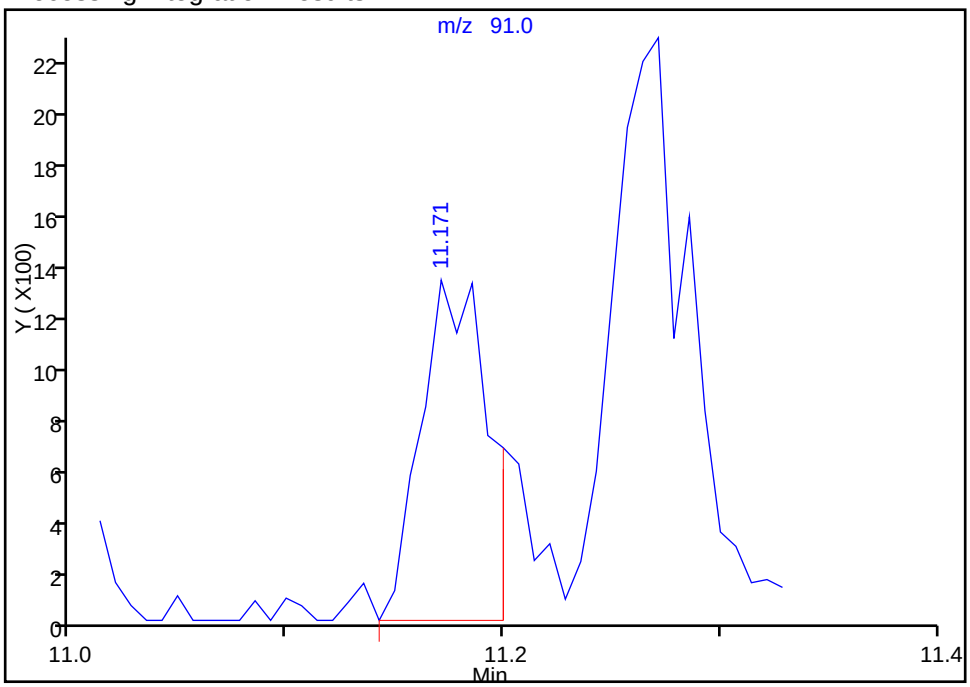
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16287.D
Injection Date: 18-Aug-2016 11:23:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

120 Benzyl chloride, CAS: 100-44-7

Signal: 1

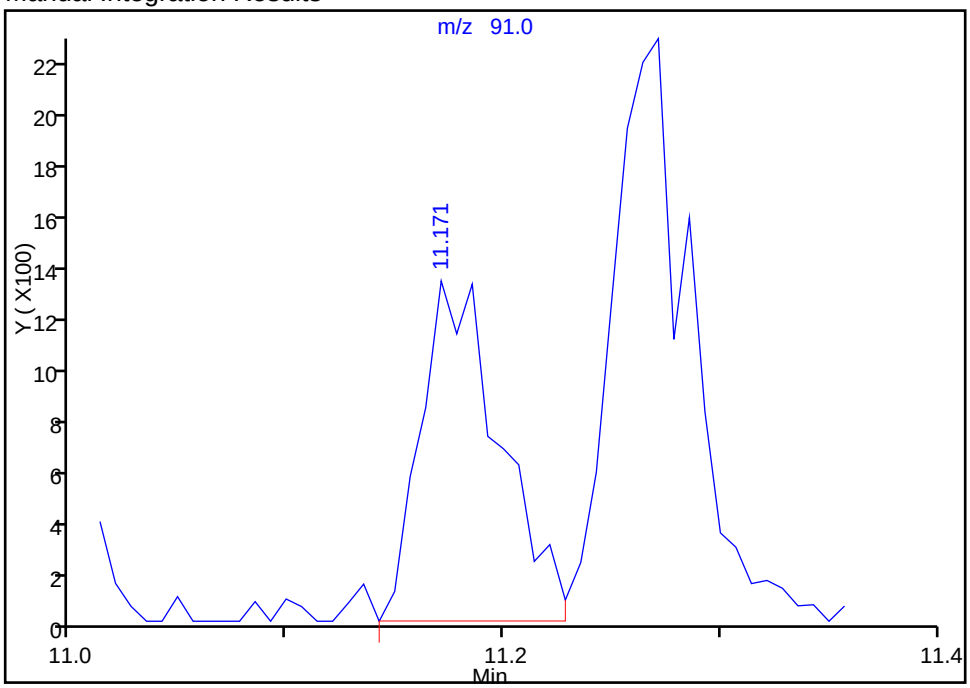
Processing Integration Results

RT: 11.17
Area: 2812
Amount: 0.311332
Amount Units: ug/l



Manual Integration Results

RT: 11.17
Area: 3322
Amount: 0.526480
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:29:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16288.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Aug-2016 11:49:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0044608-004
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 16:04:47 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desais Date: 18-Aug-2016 12:34:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.877	0.878	-0.001	51	2243	1.00	1.03	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	98	4776	1.00	0.6807	
3 Vinyl chloride	62	1.035	1.028	0.007	66	7316	1.00	1.10	
5 Chloromethane	50	1.035	1.035	0.000	69	10393	1.00	1.10	
4 Butadiene	54	1.035	1.035	0.000	94	5971	1.00	1.07	
6 Bromomethane	94	1.200	1.193	0.007	87	2356	1.00	0.9841	
7 Chloroethane	64	1.250	1.250	0.000	44	2392	1.00	0.8502	
8 Pentane	72	1.314	1.315	-0.001	98	1784	2.00	2.28	
9 Trichlorofluoromethane	101	1.314	1.315	-0.001	54	6037	1.00	1.02	
10 Dichlorofluoromethane	67	1.357	1.350	0.007	96	7866	1.00	1.19	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	96	7665	1.00	1.07	
12 Ethyl ether	59	1.486	1.486	0.000	93	4824	1.00	1.07	
15 Ethanol	46	1.594	1.580	0.014	32	802	40.0	28.8	
13 1,1-Dichloroethene	96	1.587	1.587	0.000	92	3349	1.00	1.03	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	80	5099	1.00	1.15	
16 Carbon disulfide	76	1.601	1.601	0.000	99	12624	1.00	1.04	
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	41	2535	1.00	0.7927	
18 Iodomethane	142	1.673	1.666	0.007	1	955	1.00	0.3420	
19 Cyclopentene	67	1.751	1.752	-0.001	97	9349	1.00	0.9792	
20 Acrolein	56	1.773	1.773	0.000	95	2648	4.00	3.84	
21 3-Chloro-1-propene	76	1.852	1.852	0.000	95	2179	1.00	1.12	
22 Isopropyl alcohol	45	1.887	1.888	-0.001	92	4063	10.0	11.9	
23 Methylene Chloride	84	1.909	1.909	0.000	97	3343	1.00	0.9103	
24 Acetone	43	1.945	1.945	0.000	85	8549	5.00	5.79	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	94	3970	1.00	1.20	
26 Methyl acetate	43	2.016	2.017	-0.001	99	21157	5.00	5.48	
27 Hexane	57	2.052	2.052	0.000	72	7355	1.00	0.9203	M
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	89	11943	1.00	1.06	
* 29 TBA-d9 (IS)	65	2.102	2.110	-0.008	100	367467	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.152	2.153	-0.001	95	7574	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	2.217	2.224	-0.007	99	6997	10.0	11.1	
32 Isopropyl ether	45	2.310	2.310	0.000	98	13771	1.00	1.02	
34 2-Chloro-1,3-butadiene	88	2.367	2.368	-0.001	93	2869	1.00	1.04	
35 1,1-Dichloroethane	63	2.382	2.382	0.000	96	7992	1.00	1.19	
33 Acrylonitrile	53	2.418	2.418	0.000	95	18796	10.0	10.3	
37 Vinyl acetate	43	2.554	2.554	0.000	100	16838	2.00	2.00	
36 Tert-butyl ethyl ether	59	2.554	2.554	0.000	61	11951	1.00	1.00	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	95	3935	1.00	1.11	
39 2,2-Dichloropropane	77	2.811	2.812	-0.001	94	4646	1.00	1.06	
40 Cyclohexane	56	2.876	2.876	0.000	90	4410	1.00	0.7322	
41 Chlorobromomethane	128	2.883	2.883	0.000	88	1638	1.00	1.11	
42 Chloroform	83	2.940	2.941	-0.001	96	5559	1.00	1.01	
43 Carbon tetrachloride	117	3.034	3.034	0.000	93	3569	1.00	1.09	
45 Ethyl acetate	43	3.048	3.041	0.007	95	9320	2.00	2.03	
44 Methyl acrylate	55	3.048	3.048	0.000	55	4155	1.00	1.03	
46 Tetrahydrofuran	42	3.062	3.055	0.007	35	3919	2.00	2.10	
$ 47 Dibromofluoromethane (Surr	113	3.077	3.077	-0.001	96	64819	50.0	51.8	
48 1,1,1-Trichloroethane	97	3.077	3.084	-0.008	37	4660	1.00	1.09	
* 49 2-Butanone-d5	46	3.134	3.141	-0.007	98	441420	250.0	250.0	
50 2-Butanone (MEK)	72	3.177	3.177	0.000	97	3114	5.00	5.46	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	61	5348	1.00	1.17	
53 Isooctane	57	3.277	3.270	0.007	97	10681	1.00	0.8895	
54 n-Heptane	57	3.363	3.363	0.000	48	2369	1.00	0.8142	
55 Benzene	78	3.370	3.370	0.000	95	14492	1.00	1.09	
51 Propionitrile	54	3.399	3.399	0.000	51	6539	10.0	10.6	
56 Methacrylonitrile	67	3.413	3.413	0.000	93	16514	10.0	9.60	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	97	79668	50.0	49.8	
57 Tert-amyl methyl ether	73	3.485	3.485	0.000	43	10099	1.00	1.01	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	95	5248	1.00	1.12	
60 Isobutyl alcohol	43	3.614	3.614	0.000	96	3967	25.0	22.5	
136 t-Amyl alcohol	59	3.685	3.686	-0.001	51	2760	10.0	8.92	
* 61 Fluorobenzene	96	3.714	3.721	-0.007	98	563336	50.0	50.0	
62 Isopropyl acetate	43	3.786	3.786	0.000	95	7843	1.00	1.00	
63 Methylcyclohexane	83	3.850	3.850	0.000	89	3928	1.00	0.7489	
64 Trichloroethene	130	3.872	3.865	0.007	93	3425	1.00	1.18	
137 2-ethoxy-2-methyl butane	59	4.115	4.115	0.000	95	7949	1.00	0.9686	
65 Dibromomethane	93	4.244	4.244	0.000	90	2119	1.00	1.07	
66 n-Butanol	56	4.258	4.259	-0.001	48	2239	25.0	21.9	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	88	3538	1.00	1.01	
68 Ethyl acrylate	55	4.423	4.409	0.014	93	4885	1.00	0.9540	
69 Dichlorobromomethane	83	4.423	4.416	0.007	96	4210	1.00	1.04	
* 72 1,4-Dioxane-d8	96	4.617	4.602	0.015	90	32317	1000.0	1000.0	
70 Methyl methacrylate	100	4.617	4.617	0.000	72	1715	2.00	1.85	
71 1,4-Dioxane	88	4.645	4.645	0.000	27	2470	50.0	61.3	M
73 n-Propyl acetate	43	4.767	4.774	-0.007	97	4968	1.00	0.8523	
74 2-Chloroethyl vinyl ether	63	5.039	5.032	0.007	90	2088	1.00	0.8405	
75 cis-1,3-Dichloropropene	75	5.068	5.068	0.000	95	4903	1.00	0.9694	
$ 76 Toluene-d8 (Surr)	98	5.268	5.269	-0.001	100	301161	50.0	51.2	
77 Toluene	91	5.319	5.319	0.000	92	15873	1.00	1.15	
78 Epichlorohydrin	57	5.354	5.355	0.000	97	7633	20.0	19.3	
79 2-Nitropropane	41	5.591	5.584	0.007	62	1511	2.00	1.81	
80 Tetrachloroethene	166	5.755	5.748	0.007	90	2693	1.00	1.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
81 4-Methyl-2-pentanone (MIBK	43	5.798	5.799	-0.001	98	17865	5.00	4.46	
82 trans-1,3-Dichloropropene	75	5.834	5.827	0.007	96	4001	1.00	0.8584	M
83 1,1,2-Trichloroethane	83	6.013	6.006	0.007	94	2830	1.00	1.11	
84 Ethyl methacrylate	69	6.085	6.078	0.007	87	3829	1.00	0.8785	
85 Chlorodibromomethane	129	6.214	6.207	0.007	96	2701	1.00	0.9817	
86 1,3-Dichloropropane	76	6.321	6.322	-0.001	90	5065	1.00	0.99	
87 Ethylene Dibromide	107	6.457	6.450	0.007	95	2721	1.00	0.9791	
88 n-Butyl acetate	43	6.808	6.794	0.014	93	5271	1.00	0.8659	
89 2-Hexanone	43	6.866	6.866	0.000	98	13025	5.00	4.56	
* 90 Chlorobenzene-d5	117	7.145	7.152	-0.007	88	385795	50.0	50.0	
91 Chlorobenzene	112	7.174	7.167	0.007	92	8662	1.00	1.08	
92 Ethylbenzene	106	7.260	7.253	0.007	99	4185	1.00	1.01	
93 1,1,1,2-Tetrachloroethane	131	7.296	7.281	0.015	67	2664	1.00	1.07	M
94 m-Xylene & p-Xylene	106	7.475	7.468	0.007	97	5604	1.00	1.05	
95 o-Xylene	106	8.062	8.055	0.007	93	5367	1.00	1.08	
96 Bromoform	173	8.134	8.127	0.007	93	2028	1.00	1.14	
97 Styrene	104	8.148	8.148	0.000	91	7515	1.00	0.9448	M
98 n-Butyl acrylate	73	8.477	8.470	0.007	98	2110	1.00	1.02	M
99 Isopropylbenzene	105	8.549	8.549	0.000	95	12604	1.00	1.02	
100 Amyl acetate (mixed isomer	43	8.893	8.886	0.007	84	5631	1.00	0.9834	
$ 101 4-Bromofluorobenzene	174	8.929	8.922	0.007	86	138816	50.0	49.8	
102 Bromobenzene	156	9.029	9.029	0.000	92	3126	1.00	0.99	
103 N-Propylbenzene	91	9.187	9.187	0.000	98	15734	1.00	1.03	
104 1,1,2,2-Tetrachloroethane	83	9.330	9.330	0.000	94	3889	1.00	0.9874	
105 2-Chlorotoluene	91	9.358	9.359	-0.001	97	10840	1.00	0.99	
106 4-Ethyltoluene	105	9.380	9.373	0.007	88	12008	1.00	0.9368	
107 1,2,3-Trichloropropane	110	9.473	9.466	0.007	94	996	1.00	0.9216	
108 1,3,5-Trimethylbenzene	105	9.530	9.531	-0.001	96	10700	1.00	1.03	
109 trans-1,4-Dichloro-2-buten	53	9.602	9.595	0.007	22	1182	1.00	0.99	
110 4-Chlorotoluene	91	9.638	9.631	0.007	97	10084	1.00	1.03	
111 tert-Butylbenzene	119	9.996	10.003	-0.007	93	9214	1.00	1.09	
112 Butyl Methacrylate	87	10.125	10.132	-0.007	48	2532	1.00	0.9152	
118 1,2,4-Trimethylbenzene	105	10.139	10.132	0.007	96	10697	1.00	0.99	
113 sec-Butylbenzene	105	10.297	10.297	0.000	98	12372	1.00	0.9730	
114 1,3-Dichlorobenzene	146	10.562	10.555	0.007	88	6555	1.00	1.07	
115 4-Isopropyltoluene	119	10.569	10.576	-0.007	97	10676	1.00	0.99	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	97	193651	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.712	10.712	0.000	86	7094	1.00	1.13	
119 2,3-Dihydroindene	117	10.999	10.999	0.000	94	10989	1.00	0.9850	
120 Benzyl chloride	91	11.171	11.164	0.007	91	6198	1.00	0.9233	
121 p-Diethylbenzene	119	11.185	11.185	0.000	87	5854	1.00	0.9429	
122 n-Butylbenzene	91	11.271	11.264	0.007	98	10861	1.00	1.04	
123 1,2-Dichlorobenzene	146	11.364	11.364	0.000	95	6658	1.00	1.13	
124 1,2,4,5-Tetramethylbenzene	119	12.252	12.253	-0.001	97	8740	1.00	0.8965	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	43	616	1.00	0.9006	
126 1,3,5-Trichlorobenzene	180	12.446	12.446	0.000	91	4106	1.00	0.9569	
127 1,2,4-Trichlorobenzene	180	13.105	13.105	0.000	90	4187	1.00	1.02	
128 Hexachlorobutadiene	225	13.119	13.119	0.000	90	1963	1.00	1.00	
129 Naphthalene	128	13.406	13.399	0.007	99	8890	1.00	0.9228	
130 1,2,3-Trichlorobenzene	180	13.570	13.571	-0.001	95	4224	1.00	1.07	
S 131 1,2-Dichloroethene, Total	100				0		2.00	2.31	
S 134 1,3-Dichloropropene, Total	100				0		2.00	1.83	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 132 Xylenes, Total	100				0		2.00	2.13	
S 133 Total BTEX	1				0		5.00	5.38	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
14DIOXINTER_00059	Amount Added:	30.00	Units: uL	
GAS Hi_00161	Amount Added:	1.00	Units: uL	
MIX I Hi_00062	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00047	Amount Added:	1.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 19-Aug-2016 16:04:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16288.D

Injection Date: 18-Aug-2016 11:49:30 Instrument ID: CVOAMS13 Operator ID:

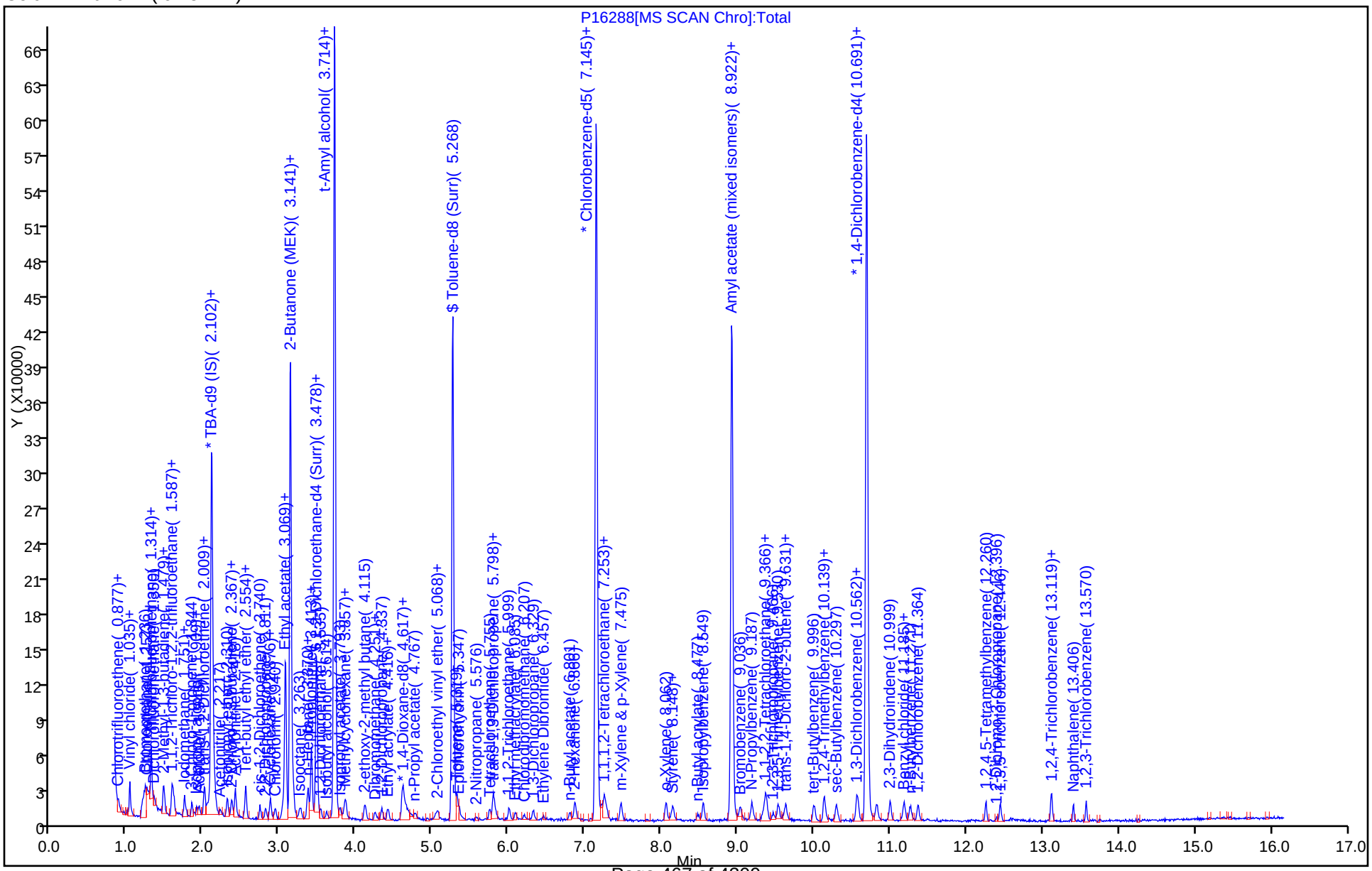
Lims ID: STD1 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

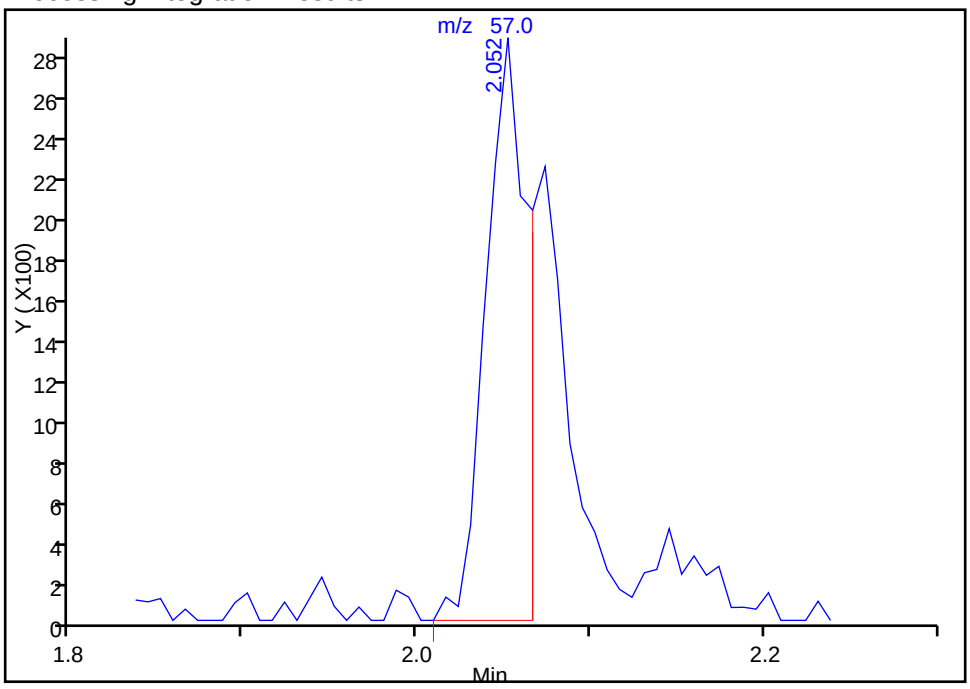
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16288.D
Injection Date: 18-Aug-2016 11:49:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

27 Hexane, CAS: 110-54-3

Signal: 1

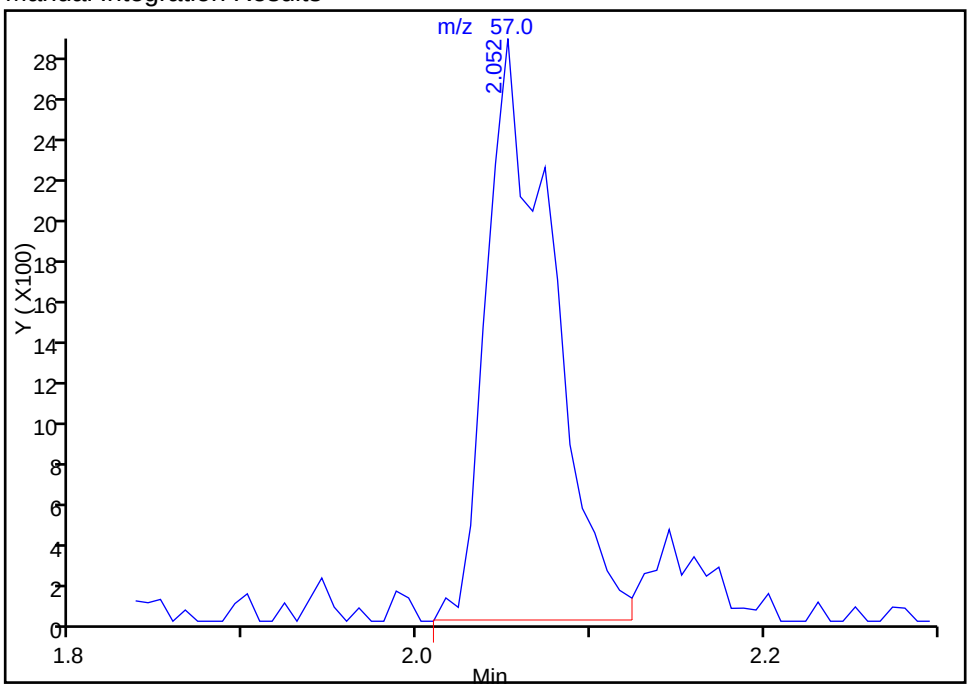
Processing Integration Results

RT: 2.05
Area: 4756
Amount: 0.595160
Amount Units: ug/l



Manual Integration Results

RT: 2.05
Area: 7355
Amount: 0.920284
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:37:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

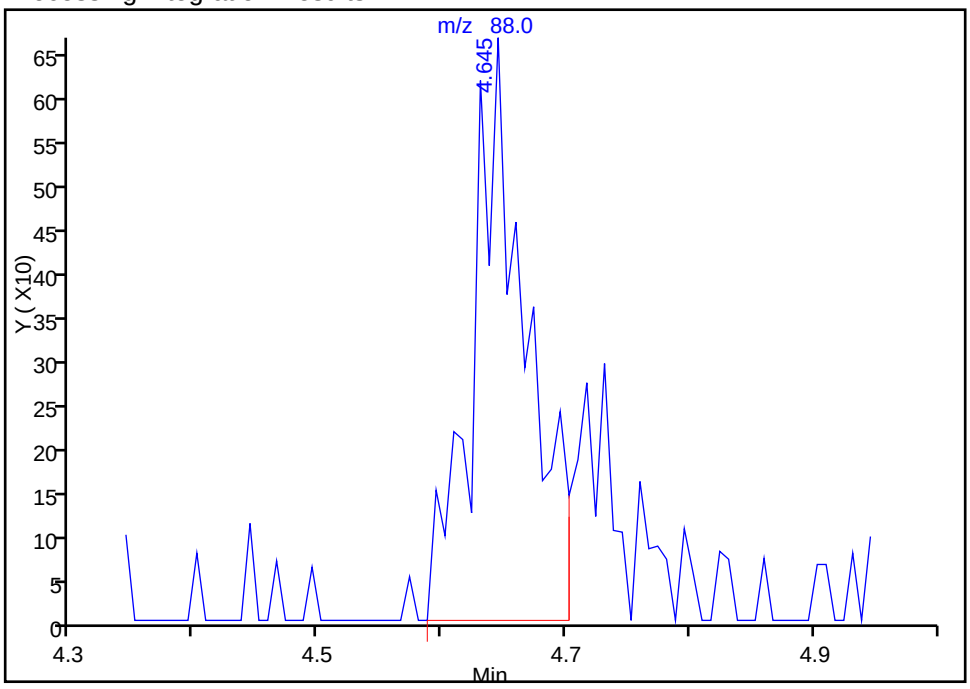
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16288.D
Injection Date: 18-Aug-2016 11:49:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

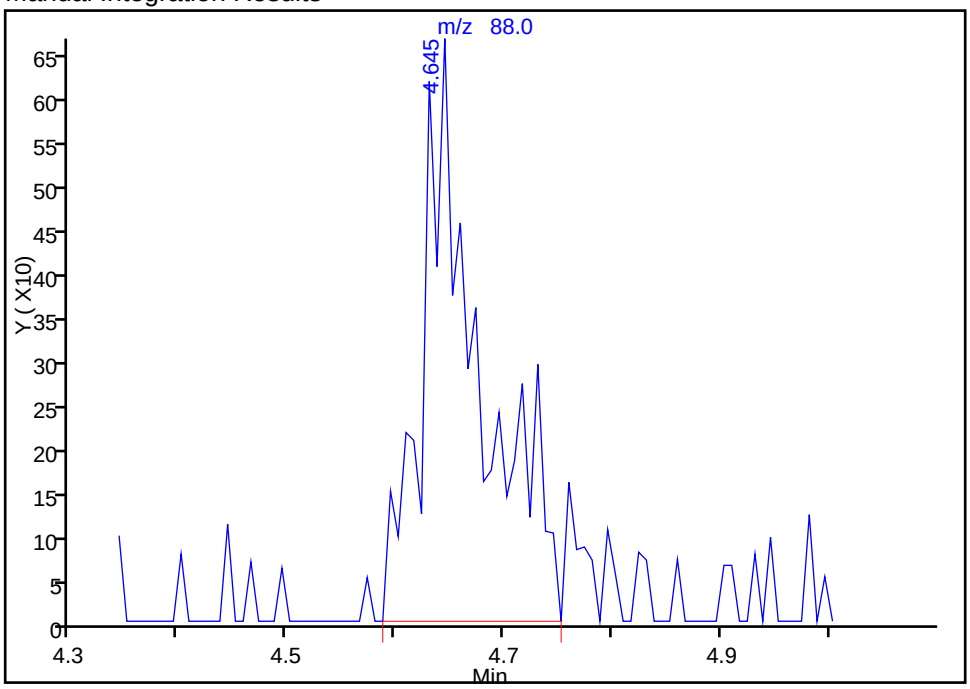
Processing Integration Results

RT: 4.65
Area: 2009
Amount: 51.532042
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Area: 2470
Amount: 61.286377
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:37:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison

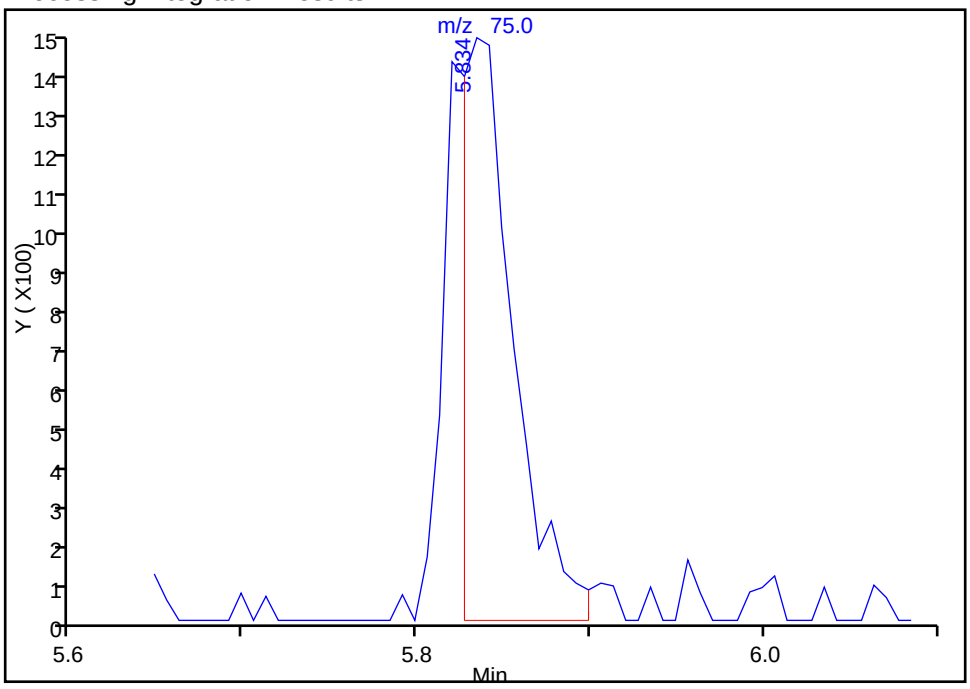
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16288.D
Injection Date: 18-Aug-2016 11:49:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

82 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

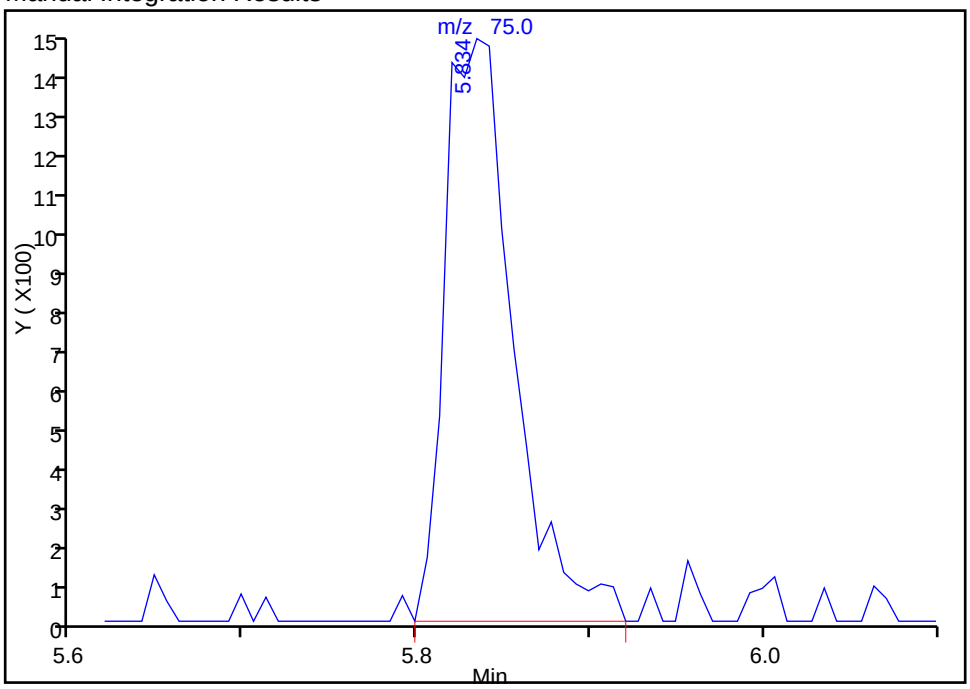
Processing Integration Results

RT: 5.83
Area: 3036
Amount: 0.671236
Amount Units: ug/l



Manual Integration Results

RT: 5.83
Area: 4001
Amount: 0.858426
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:37:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

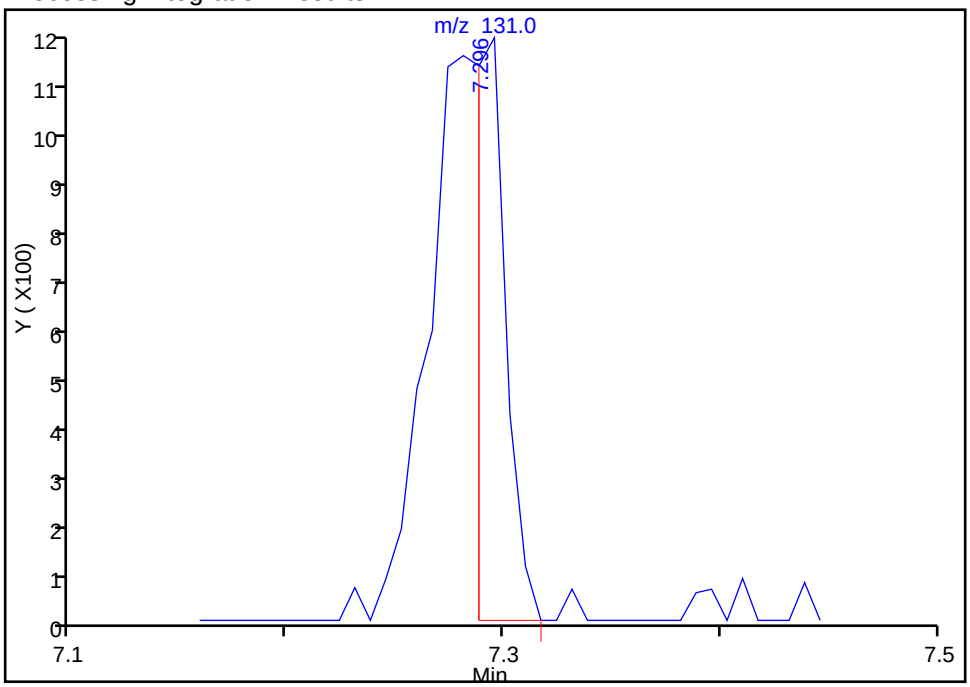
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16288.D
Injection Date: 18-Aug-2016 11:49:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

93 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Signal: 1

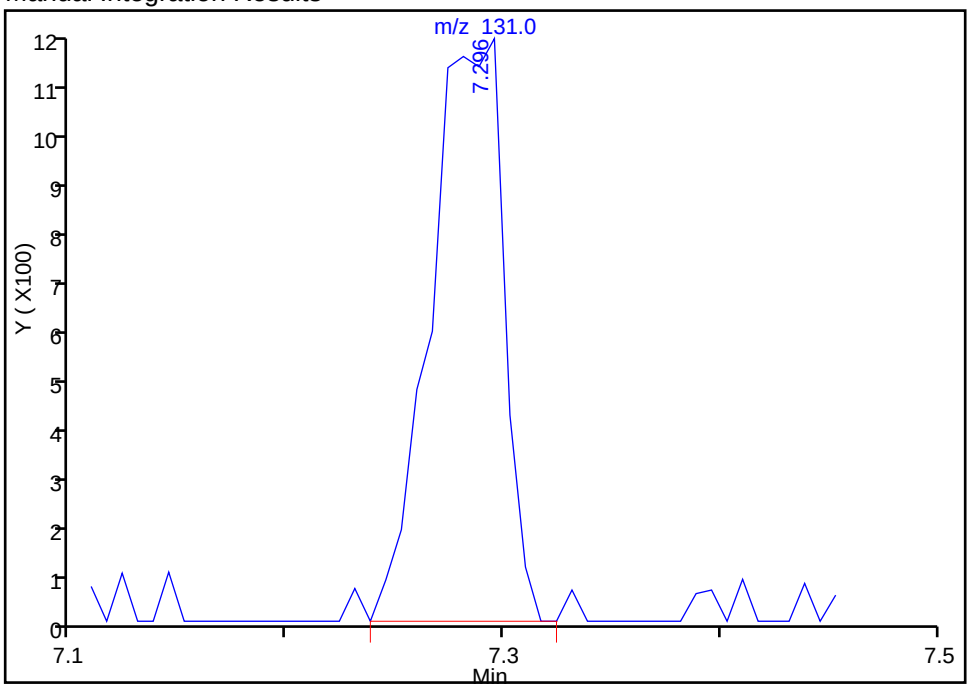
Processing Integration Results

RT: 7.30
Area: 1174
Amount: 0.455369
Amount Units: ug/l



Manual Integration Results

RT: 7.30
Area: 2664
Amount: 1.071695
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:37:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

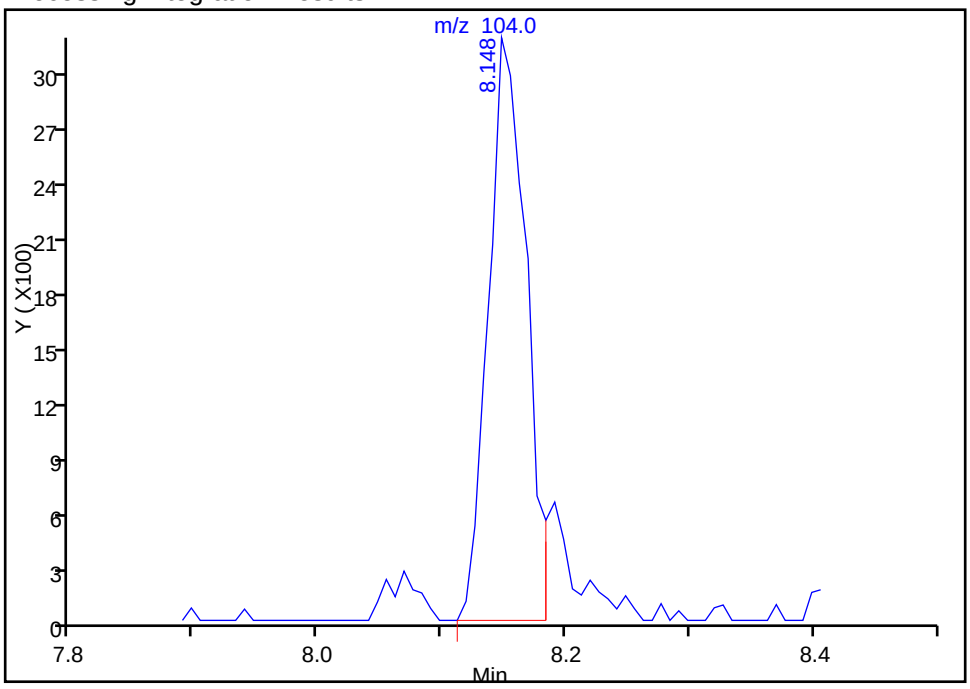
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16288.D
Injection Date: 18-Aug-2016 11:49:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

97 Styrene, CAS: 100-42-5

Signal: 1

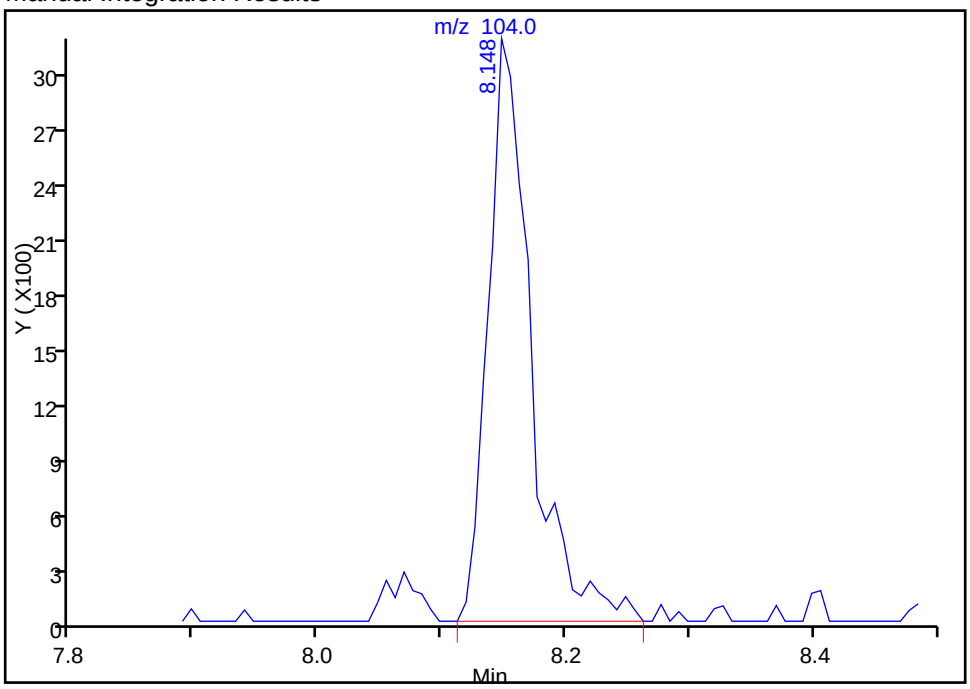
Processing Integration Results

RT: 8.15
Area: 6612
Amount: 0.844990
Amount Units: ug/l



Manual Integration Results

RT: 8.15
Area: 7515
Amount: 0.944814
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:37:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

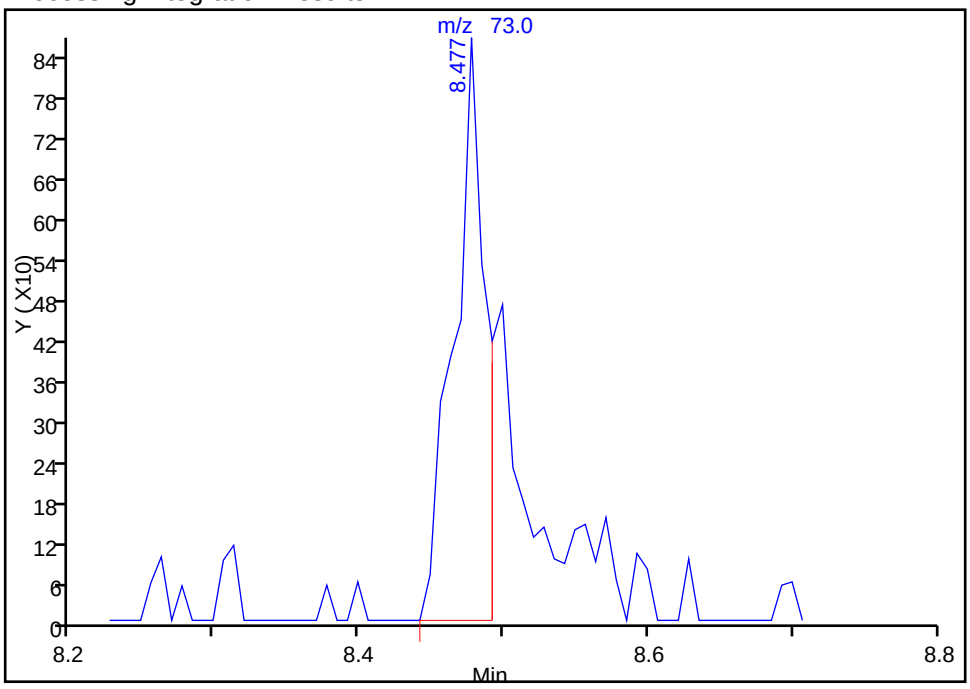
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16288.D
Injection Date: 18-Aug-2016 11:49:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

98 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

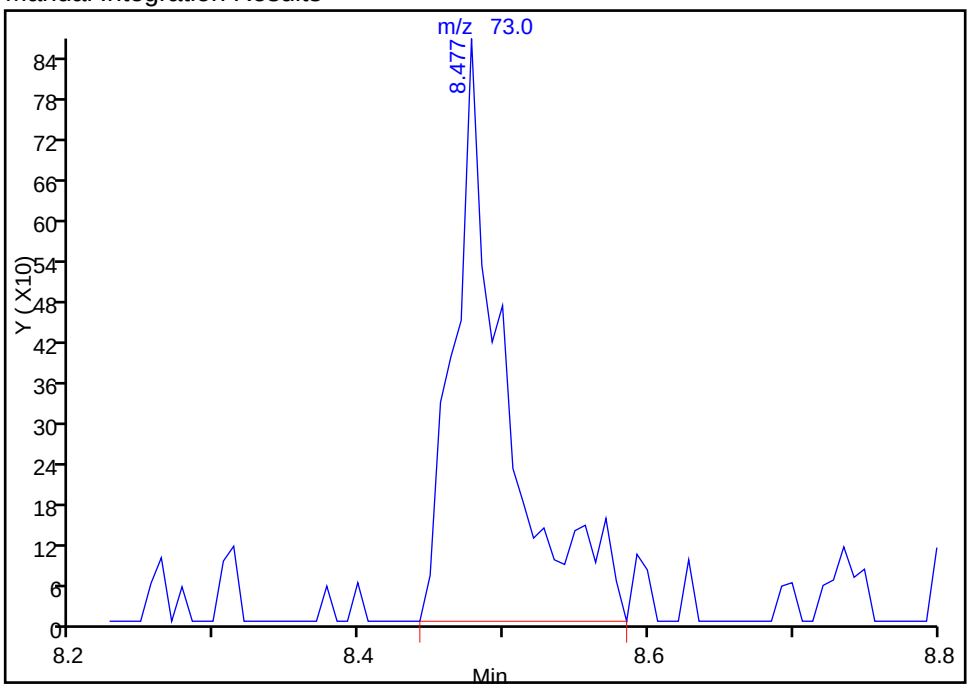
Processing Integration Results

RT: 8.48
Area: 1302
Amount: 0.442859
Amount Units: ug/l



Manual Integration Results

RT: 8.48
Area: 2110
Amount: 1.015445
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:37:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16290.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 18-Aug-2016 12:42:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0044608-006
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 16:05:01 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desais Date: 18-Aug-2016 12:10:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.878	0.878	0.000	90	41076	20.0	17.8	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	99	147030	20.0	19.8	
3 Vinyl chloride	62	1.028	1.028	0.000	99	128346	20.0	18.1	
5 Chloromethane	50	1.035	1.035	0.000	77	187557	20.0	18.7	
4 Butadiene	54	1.035	1.035	0.000	96	106736	20.0	18.0	
6 Bromomethane	94	1.193	1.193	0.000	97	46567	20.0	18.1	
7 Chloroethane	64	1.250	1.250	0.000	100	58892	20.0	19.7	M
8 Pentane	72	1.315	1.315	0.000	97	32157	40.0	38.4	
9 Trichlorofluoromethane	101	1.315	1.315	0.000	54	119735	20.0	19.1	
10 Dichlorofluoromethane	67	1.350	1.350	0.000	99	135866	20.0	19.4	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	97	144166	20.0	18.9	
12 Ethyl ether	59	1.486	1.486	0.000	95	90822	20.0	19.1	
15 Ethanol	46	1.580	1.580	0.000	30	25464	800.0	855.1	M
13 1,1-Dichloroethene	96	1.587	1.587	0.000	95	61480	20.0	17.9	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	84	90024	20.0	19.2	
16 Carbon disulfide	76	1.601	1.601	0.000	100	240403	20.0	18.6	
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	95	56197	20.0	16.4	
18 Iodomethane	142	1.666	1.666	0.000	99	34851	20.0	11.7	
19 Cyclopentene	67	1.752	1.752	0.000	97	191490	20.0	18.9	
20 Acrolein	56	1.773	1.773	0.000	43	29778	40.0	40.3	
21 3-Chloro-1-propene	76	1.852	1.852	0.000	91	39237	20.0	19.1	
22 Isopropyl alcohol	45	1.888	1.888	0.000	98	68058	200.0	185.8	
23 Methylene Chloride	84	1.909	1.909	0.000	99	77948	20.0	20.0	
24 Acetone	43	1.945	1.945	0.000	84	146099	100.0	92.1	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	99	62798	20.0	17.8	
26 Methyl acetate	43	2.017	2.017	0.000	100	417582	100.0	102.0	
27 Hexane	57	2.052	2.052	0.000	94	152612	20.0	17.9	
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	96	239459	20.0	20.0	
* 29 TBA-d9 (IS)	65	2.110	2.110	0.000	100	392875	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.153	2.153	0.000	99	94718	200.0	198.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	2.224	2.224	0.000	100	144739	200.0	215.0	
32 Isopropyl ether	45	2.310	2.310	0.000	98	284834	20.0	19.9	
34 2-Chloro-1,3-butadiene	88	2.368	2.368	0.000	93	55554	20.0	19.0	
35 1,1-Dichloroethane	63	2.382	2.382	0.000	99	138770	20.0	19.5	
33 Acrylonitrile	53	2.418	2.418	0.000	95	399475	200.0	205.4	
37 Vinyl acetate	43	2.554	2.554	0.000	100	367528	40.0	41.2	
36 Tert-butyl ethyl ether	59	2.554	2.554	0.000	88	250492	20.0	19.8	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	93	69924	20.0	18.7	
39 2,2-Dichloropropane	77	2.812	2.812	0.000	89	89567	20.0	19.3	
40 Cyclohexane	56	2.876	2.876	0.000	93	106140	20.0	16.5	
41 Chlorobromomethane	128	2.883	2.883	0.000	95	28817	20.0	18.4	
42 Chloroform	83	2.941	2.941	0.000	98	114708	20.0	19.6	
43 Carbon tetrachloride	117	3.034	3.034	0.000	97	63294	20.0	18.2	
45 Ethyl acetate	43	3.041	3.041	0.000	99	201923	40.0	40.9	
44 Methyl acrylate	55	3.048	3.048	0.000	58	84343	20.0	19.7	
46 Tetrahydrofuran	42	3.055	3.055	0.000	95	80447	40.0	40.1	
$ 47 Dibromofluoromethane (Surr	113	3.077	3.077	0.000	95	71042	50.0	53.5	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	96	84996	20.0	18.7	
* 49 2-Butanone-d5	46	3.141	3.141	0.000	98	474466	250.0	250.0	
50 2-Butanone (MEK)	72	3.177	3.177	0.000	99	62369	100.0	101.7	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	67	86100	20.0	17.7	
53 Isooctane	57	3.270	3.270	0.000	99	224239	20.0	17.6	
54 n-Heptane	57	3.363	3.363	0.000	96	47282	20.0	15.3	
55 Benzene	78	3.370	3.370	0.000	95	277642	20.0	19.7	
51 Propionitrile	54	3.399	3.399	0.000	95	135651	200.0	204.9	
56 Methacrylonitrile	67	3.413	3.413	0.000	93	382139	200.0	209.4	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	97	86114	50.0	50.7	
57 Tert-amyl methyl ether	73	3.485	3.485	0.000	99	214390	20.0	20.3	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	89	94909	20.0	19.1	
60 Isobutyl alcohol	43	3.614	3.614	0.000	95	93206	500.0	494.5	
136 t-Amyl alcohol	59	3.686	3.686	0.000	91	63757	200.0	194.3	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	597566	50.0	50.0	
62 Isopropyl acetate	43	3.786	3.786	0.000	98	169554	20.0	20.4	
63 Methylcyclohexane	83	3.850	3.850	0.000	96	90526	20.0	16.2	
64 Trichloroethene	130	3.865	3.865	0.000	96	55208	20.0	18.0	
137 2-ethoxy-2-methyl butane	59	4.115	4.115	0.000	97	178787	20.0	20.5	
65 Dibromomethane	93	4.244	4.244	0.000	95	42082	20.0	20.0	
66 n-Butanol	56	4.259	4.259	0.000	88	55760	500.0	509.1	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	90	74362	20.0	20.1	
68 Ethyl acrylate	55	4.409	4.409	0.000	98	107716	20.0	19.8	
69 Dichlorobromomethane	83	4.416	4.416	0.000	98	82172	20.0	19.2	
* 72 1,4-Dioxane-d8	96	4.602	4.602	0.000	69	38122	1000.0	1000.0	
70 Methyl methacrylate	100	4.617	4.617	0.000	92	41881	40.0	42.7	
71 1,4-Dioxane	88	4.645	4.645	0.000	93	18933	400.0	398.2	
73 n-Propyl acetate	43	4.774	4.774	0.000	99	125346	20.0	20.3	
74 2-Chloroethyl vinyl ether	63	5.032	5.032	0.000	97	55828	20.0	21.2	
75 cis-1,3-Dichloropropene	75	5.068	5.068	0.000	95	105319	20.0	19.6	
$ 76 Toluene-d8 (Surr)	98	5.269	5.269	0.000	99	328378	50.0	52.6	
77 Toluene	91	5.319	5.319	0.000	93	260410	20.0	17.8	
78 Epichlorohydrin	57	5.355	5.355	0.000	100	177962	400.0	419.0	
79 2-Nitropropane	41	5.584	5.584	0.000	98	34224	40.0	38.7	
80 Tetrachloroethene	166	5.748	5.748	0.000	97	50473	20.0	18.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
81 4-Methyl-2-pentanone (MIBK	43	5.799	5.799	0.000	98	436228	100.0	101.2	
82 trans-1,3-Dichloropropene	75	5.827	5.827	0.000	98	97893	20.0	19.8	
83 1,1,2-Trichloroethane	83	6.006	6.006	0.000	94	51485	20.0	19.0	
84 Ethyl methacrylate	69	6.078	6.078	0.000	91	94836	20.0	20.5	
85 Chlorodibromomethane	129	6.207	6.207	0.000	98	55679	20.0	19.1	
86 1,3-Dichloropropane	76	6.322	6.322	0.000	95	109042	20.0	20.1	
87 Ethylene Dibromide	107	6.450	6.450	0.000	98	58303	20.0	19.8	
88 n-Butyl acetate	43	6.794	6.794	0.000	94	126602	20.0	19.6	
89 2-Hexanone	43	6.866	6.866	0.000	97	312258	100.0	101.6	
* 90 Chlorobenzene-d5	117	7.152	7.152	0.000	88	409627	50.0	50.0	
91 Chlorobenzene	112	7.167	7.167	0.000	92	160671	20.0	18.8	
92 Ethylbenzene	106	7.253	7.253	0.000	99	83401	20.0	18.9	
93 1,1,1,2-Tetrachloroethane	131	7.281	7.281	0.000	92	51163	20.0	19.4	
94 m-Xylene & p-Xylene	106	7.468	7.468	0.000	97	102378	20.0	18.0	
95 o-Xylene	106	8.055	8.055	0.000	93	97931	20.0	18.6	
96 Bromoform	173	8.127	8.127	0.000	93	33216	20.0	17.5	
97 Styrene	104	8.148	8.148	0.000	94	169652	20.0	20.1	
98 n-Butyl acrylate	73	8.470	8.470	0.000	96	53295	20.0	19.7	
99 Isopropylbenzene	105	8.549	8.549	0.000	96	251864	20.0	19.3	
100 Amyl acetate (mixed isomer	43	8.886	8.886	0.000	89	153297	20.0	20.4	
$ 101 4-Bromofluorobenzene	174	8.922	8.922	0.000	87	154306	50.0	52.2	
102 Bromobenzene	156	9.029	9.029	0.000	96	63775	20.0	19.2	
103 N-Propylbenzene	91	9.187	9.187	0.000	98	309367	20.0	19.2	
104 1,1,2,2-Tetrachloroethane	83	9.330	9.330	0.000	98	85077	20.0	20.5	
105 2-Chlorotoluene	91	9.359	9.359	0.000	96	214774	20.0	18.6	
106 4-Ethyltoluene	105	9.373	9.373	0.000	92	264486	20.0	19.6	
107 1,2,3-Trichloropropane	110	9.466	9.466	0.000	97	23792	20.0	20.9	
108 1,3,5-Trimethylbenzene	105	9.531	9.531	0.000	92	207237	20.0	18.9	
109 trans-1,4-Dichloro-2-buten	53	9.595	9.595	0.000	84	24303	20.0	19.3	
110 4-Chlorotoluene	91	9.631	9.631	0.000	98	201115	20.0	19.4	
111 tert-Butylbenzene	119	10.003	10.003	0.000	93	169547	20.0	19.0	
112 Butyl Methacrylate	87	10.132	10.132	0.000	61	79383	20.0	20.4	
118 1,2,4-Trimethylbenzene	105	10.132	10.132	0.000	95	222724	20.0	19.6	
113 sec-Butylbenzene	105	10.297	10.297	0.000	99	260012	20.0	19.4	
114 1,3-Dichlorobenzene	146	10.555	10.555	0.000	95	122171	20.0	18.9	
115 4-Isopropyltoluene	119	10.576	10.576	0.000	97	217388	20.0	19.1	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	97	204360	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.712	10.712	0.000	93	123847	20.0	18.7	
119 2,3-Dihydroindene	117	10.999	10.999	0.000	94	242437	20.0	20.6	
120 Benzyl chloride	91	11.164	11.164	0.000	96	168720	20.0	20.8	
121 p-Diethylbenzene	119	11.185	11.185	0.000	92	130154	20.0	19.9	
122 n-Butylbenzene	91	11.264	11.264	0.000	97	211580	20.0	19.3	
123 1,2-Dichlorobenzene	146	11.364	11.364	0.000	95	118103	20.0	18.9	
124 1,2,4,5-Tetramethylbenzene	119	12.253	12.253	0.000	97	208934	20.0	20.3	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	91	14738	20.0	20.4	
126 1,3,5-Trichlorobenzene	180	12.446	12.446	0.000	97	88632	20.0	19.6	
127 1,2,4-Trichlorobenzene	180	13.105	13.105	0.000	94	78902	20.0	18.3	
128 Hexachlorobutadiene	225	13.119	13.119	0.000	94	32907	20.0	21.4	
129 Naphthalene	128	13.399	13.399	0.000	99	182827	20.0	18.0	
130 1,2,3-Trichlorobenzene	180	13.571	13.571	0.000	95	78740	20.0	18.9	
S 131 1,2-Dichloroethene, Total	100				0		40.0	36.5	
S 134 1,3-Dichloropropene, Total	100				0		40.0	39.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 132 Xylenes, Total	100				0		40.0	36.6	
S 133 Total BTEX	1				0		100.0	93.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
GAS Hi_00161	Amount Added:	2.00	Units: uL	
MIX I Hi_00062	Amount Added:	2.00	Units: uL	
MIX 2 Hi_00047	Amount Added:	2.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

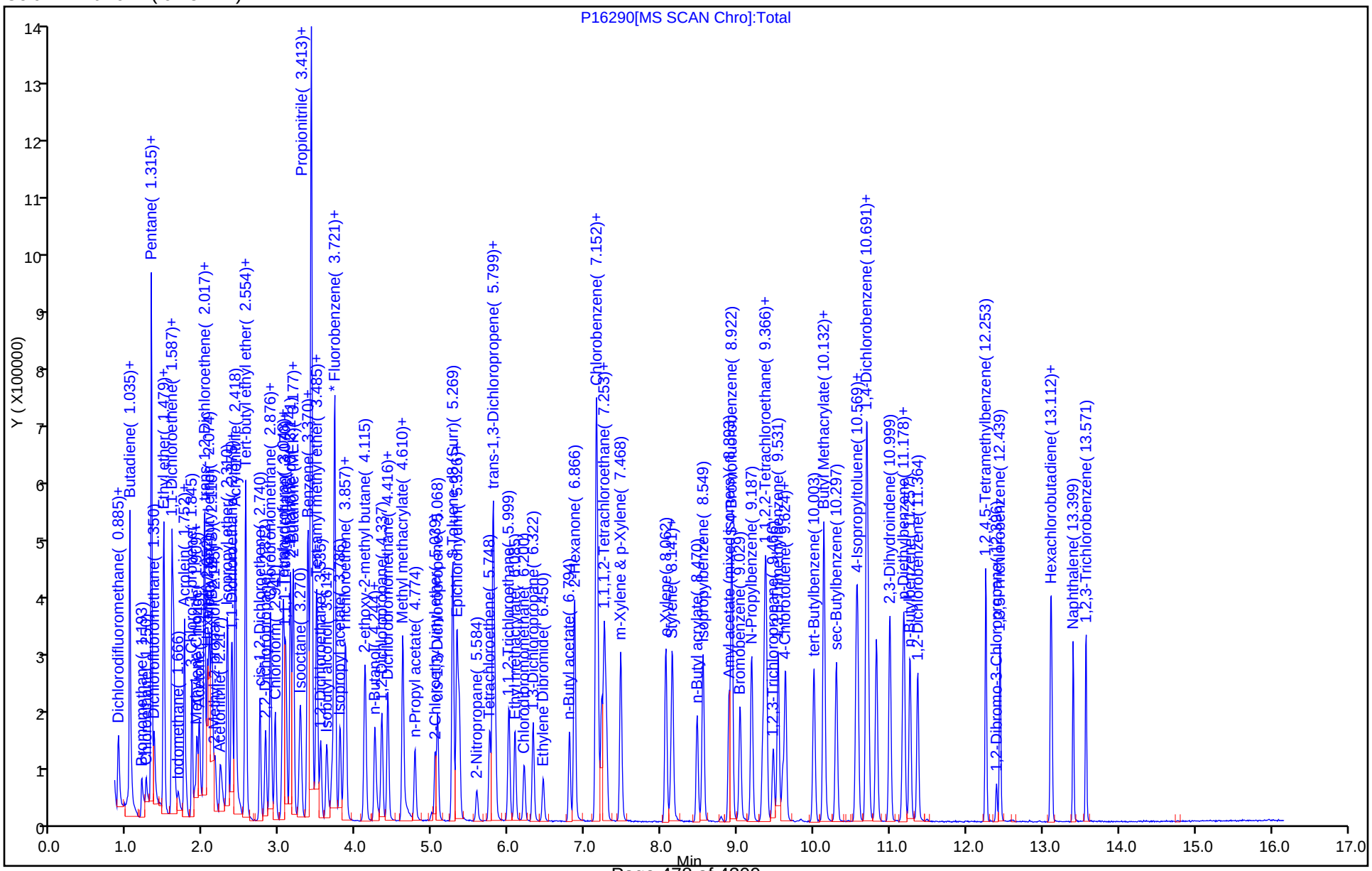
Report Date: 19-Aug-2016 16:05:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16290.D

Injection Date:	18-Aug-2016 12:42:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	STD20			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

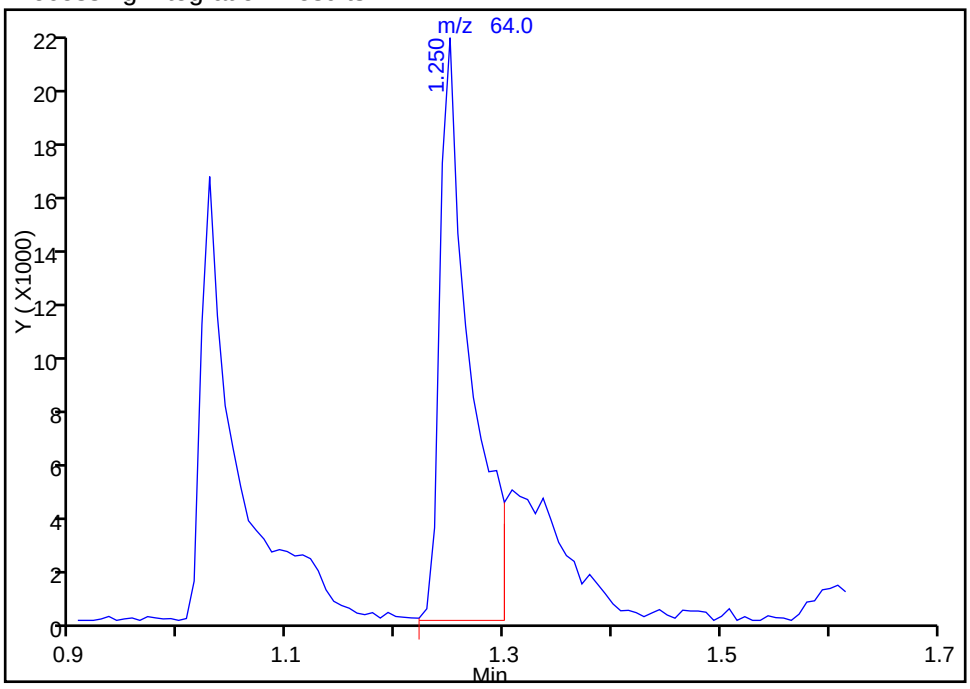
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16290.D
Injection Date: 18-Aug-2016 12:42:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

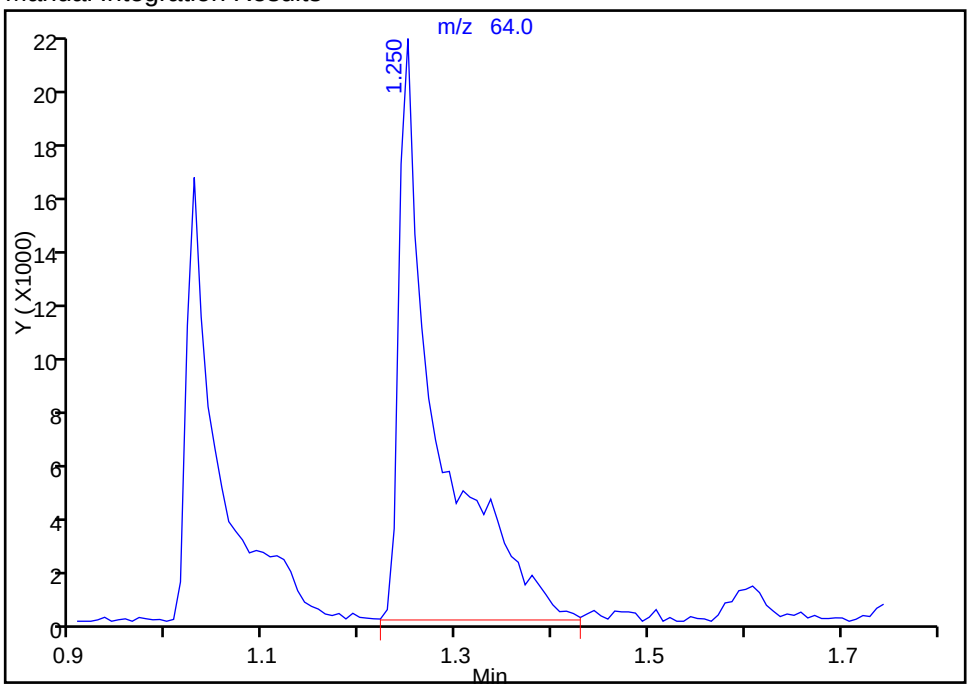
Processing Integration Results

RT: 1.25
Area: 42043
Amount: 14.679791
Amount Units: ug/l



Manual Integration Results

RT: 1.25
Area: 58892
Amount: 19.733575
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:23:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

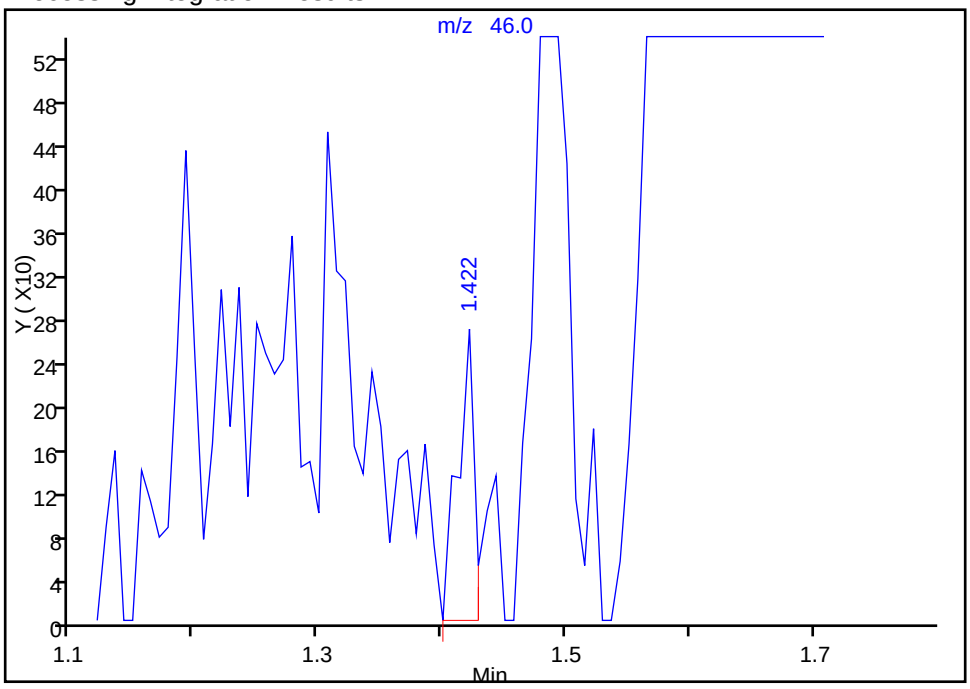
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16290.D
Injection Date: 18-Aug-2016 12:42:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

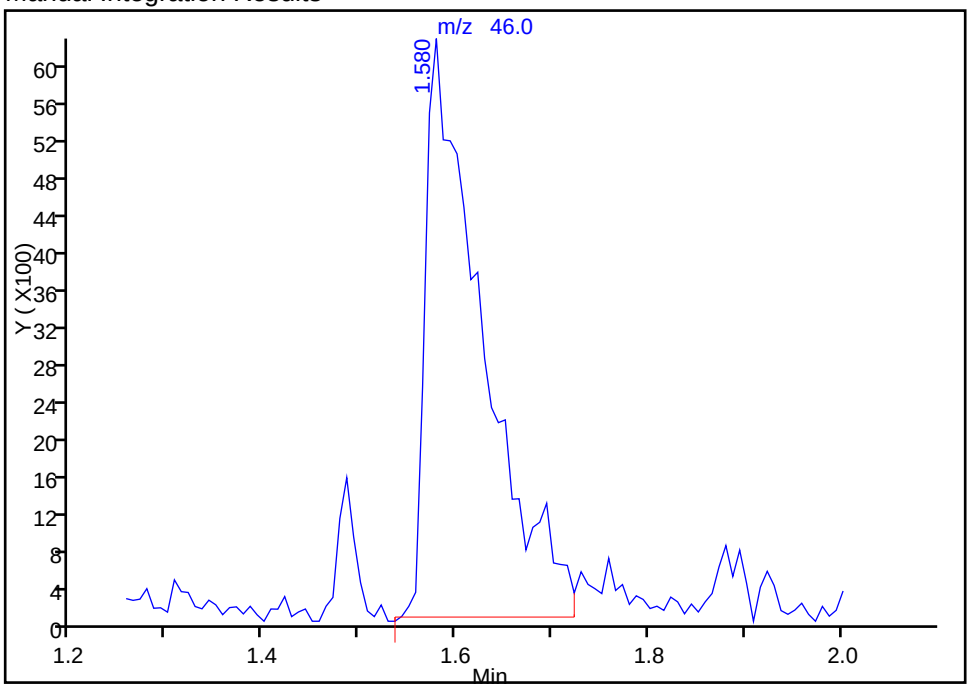
Processing Integration Results

RT: 1.42
Area: 248
Amount: 800.0000
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 25464
Amount: 855.1352
Amount Units: ug/l



Reviewer: desais, 18-Aug-2016 12:18:27
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

TestAmerica Edison

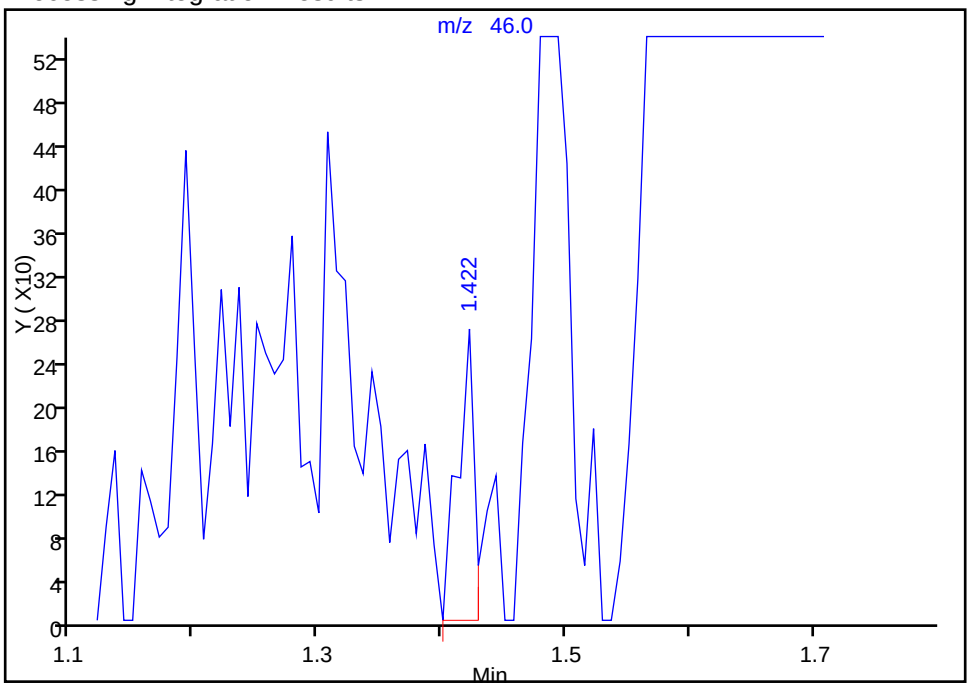
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16290.D
Injection Date: 18-Aug-2016 12:42:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

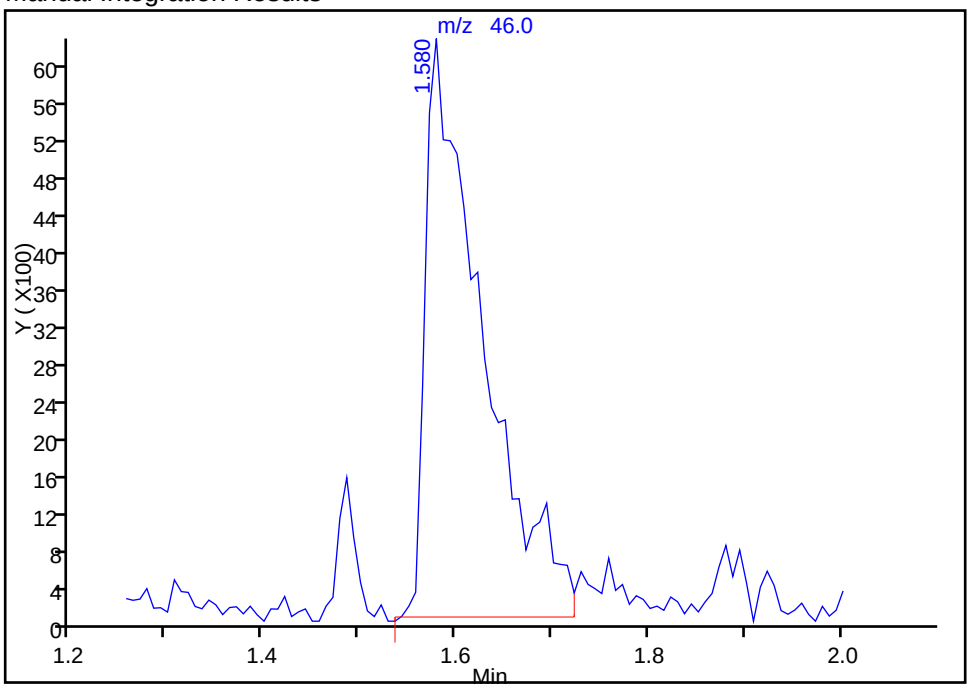
Processing Integration Results

RT: 1.42
Area: 248
Amount: 800.0000
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 25464
Amount: 855.1352
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 14:42:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16291.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Aug-2016 13:08:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0044608-007
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 16:05:11 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desais Date: 18-Aug-2016 12:28:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.878	0.878	0.000	89	106601	50.0	45.9	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	99	410686	50.0	54.7	
3 Vinyl chloride	62	1.028	1.028	0.000	98	354109	50.0	49.5	
5 Chloromethane	50	1.035	1.035	0.000	99	511626	50.0	50.4	
4 Butadiene	54	1.035	1.035	0.000	94	315449	50.0	52.6	
6 Bromomethane	94	1.193	1.193	0.000	98	128634	50.0	48.7	M
7 Chloroethane	64	1.250	1.250	0.000	99	162852	50.0	54.1	M
8 Pentane	72	1.315	1.315	0.000	97	80347	100.0	92.5	
9 Trichlorofluoromethane	101	1.315	1.315	0.000	97	335309	50.0	53.1	
10 Dichlorofluoromethane	67	1.350	1.350	0.000	99	351716	50.0	49.8	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	96	362189	50.0	47.0	
12 Ethyl ether	59	1.486	1.486	0.000	94	223071	50.0	46.4	
15 Ethanol	46	1.580	1.580	0.000	100	57430	2000.0	1859.2	
13 1,1-Dichloroethene	96	1.587	1.587	0.000	96	148967	50.0	42.9	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	85	213815	50.0	45.2	
16 Carbon disulfide	76	1.608	1.601	0.007	100	591316	50.0	45.4	
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	96	125102	50.0	35.9	
18 Iodomethane	142	1.673	1.666	0.007	100	123348	50.0	41.1	
19 Cyclopentene	67	1.751	1.752	-0.001	98	474076	50.0	46.4	
20 Acrolein	56	1.773	1.773	0.000	95	70917	100.0	92.6	
21 3-Chloro-1-propene	76	1.845	1.852	-0.007	91	104010	50.0	50.1	
22 Isopropyl alcohol	45	1.888	1.888	0.000	98	177787	500.0	468.0	
23 Methylene Chloride	84	1.916	1.909	0.007	98	191769	50.0	48.8	
24 Acetone	43	1.945	1.945	0.000	87	374419	250.0	230.2	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	98	155805	50.0	43.8	
26 Methyl acetate	43	2.017	2.017	0.000	100	1102998	250.0	267.0	
27 Hexane	57	2.052	2.052	0.000	96	350045	50.0	40.4	
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	98	592084	50.0	49.0	
* 29 TBA-d9 (IS)	65	2.110	2.110	0.000	100	407546	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.153	2.153	0.000	99	245411	500.0	505.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	2.224	2.224	0.000	99	359015	500.0	514.1	
32 Isopropyl ether	45	2.310	2.310	0.000	98	706099	50.0	48.8	
34 2-Chloro-1,3-butadiene	88	2.368	2.368	0.000	94	134467	50.0	45.6	
35 1,1-Dichloroethane	63	2.382	2.382	0.000	99	333246	50.0	46.4	
33 Acrylonitrile	53	2.418	2.418	0.000	94	1008267	500.0	513.8	
37 Vinyl acetate	43	2.554	2.554	0.000	100	910362	100.0	101.1	
36 Tert-butyl ethyl ether	59	2.554	2.554	0.000	88	630690	50.0	49.5	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	94	175762	50.0	46.5	
39 2,2-Dichloropropane	77	2.812	2.812	0.000	90	217371	50.0	46.5	
40 Cyclohexane	56	2.876	2.876	0.000	94	240554	50.0	37.0	
41 Chlorobromomethane	128	2.883	2.883	0.000	97	67278	50.0	42.6	
42 Chloroform	83	2.941	2.941	0.000	98	285053	50.0	48.4	
43 Carbon tetrachloride	117	3.034	3.034	0.000	98	157098	50.0	44.9	
45 Ethyl acetate	43	3.041	3.041	0.000	98	515116	100.0	101.8	
44 Methyl acrylate	55	3.048	3.048	0.000	58	221267	50.0	51.1	
46 Tetrahydrofuran	42	3.055	3.055	0.000	95	203566	100.0	98.9	
$ 47 Dibromofluoromethane (Surr	113	3.069	3.077	-0.008	95	70018	50.0	52.2	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	97	207859	50.0	45.3	
* 49 2-Butanone-d5	46	3.141	3.141	0.000	100	486545	250.0	250.0	
50 2-Butanone (MEK)	72	3.177	3.177	0.000	99	152855	250.0	243.0	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	96	201668	50.0	41.2	
53 Isooctane	57	3.270	3.270	0.000	98	573955	50.0	44.5	
54 n-Heptane	57	3.363	3.363	0.000	80	101391	50.0	32.3	
55 Benzene	78	3.370	3.370	0.000	96	683283	50.0	48.2	
51 Propionitrile	54	3.399	3.399	0.000	98	362213	500.0	527.5	
56 Methacrylonitrile	67	3.413	3.413	0.000	93	970033	500.0	526.9	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	96	87710	50.0	51.2	
57 Tert-amyl methyl ether	73	3.485	3.485	0.000	99	539095	50.0	50.5	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	97	231122	50.0	46.2	
60 Isobutyl alcohol	43	3.614	3.614	0.000	95	249426	1250.0	1275.7	
136 t-Amyl alcohol	59	3.686	3.686	0.000	92	174816	500.0	528.0	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	602926	50.0	50.0	
62 Isopropyl acetate	43	3.793	3.786	0.007	98	431991	50.0	51.6	
63 Methylcyclohexane	83	3.850	3.850	0.000	95	206876	50.0	36.5	
64 Trichloroethene	130	3.872	3.865	0.007	96	138107	50.0	44.6	
137 2-ethoxy-2-methyl butane	59	4.115	4.115	0.000	97	445051	50.0	50.7	
65 Dibromomethane	93	4.237	4.244	-0.007	94	104178	50.0	49.0	
66 n-Butanol	56	4.251	4.259	-0.008	88	151013	1250.0	1329.0	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	91	186885	50.0	50.0	
68 Ethyl acrylate	55	4.409	4.409	0.000	98	293368	50.0	53.5	
69 Dichlorobromomethane	83	4.416	4.416	0.000	99	214300	50.0	49.5	
* 72 1,4-Dioxane-d8	96	4.617	4.602	0.015	49	37912	1000.0	1000.0	
70 Methyl methacrylate	100	4.610	4.617	-0.007	92	105865	100.0	107.0	
71 1,4-Dioxane	88	4.638	4.645	-0.007	93	45048	1000.0	952.8	
73 n-Propyl acetate	43	4.774	4.774	0.000	99	330673	50.0	53.0	
74 2-Chloroethyl vinyl ether	63	5.032	5.032	0.000	97	146139	50.0	55.0	
75 cis-1,3-Dichloropropene	75	5.068	5.068	0.000	95	273309	50.0	50.6	
$ 76 Toluene-d8 (Surr)	98	5.269	5.269	0.000	99	322929	50.0	51.4	
77 Toluene	91	5.319	5.319	0.000	93	653607	50.0	44.4	
78 Epichlorohydrin	57	5.355	5.355	0.000	100	467848	1000.0	1074.1	
79 2-Nitropropane	41	5.584	5.584	0.000	96	94434	100.0	105.8	
80 Tetrachloroethene	166	5.756	5.748	0.008	97	124266	50.0	44.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
81 4-Methyl-2-pentanone (MIBK	43	5.799	5.799	0.000	97	1178635	250.0	266.7	
82 trans-1,3-Dichloropropene	75	5.827	5.827	0.000	98	257200	50.0	51.6	
83 1,1,2-Trichloroethane	83	6.006	6.006	0.000	94	130312	50.0	47.9	
84 Ethyl methacrylate	69	6.085	6.078	0.007	91	249506	50.0	53.5	
85 Chlorodibromomethane	129	6.200	6.207	-0.007	98	151415	50.0	51.5	
86 1,3-Dichloropropane	76	6.322	6.322	0.000	95	275364	50.0	50.5	
87 Ethylene Dibromide	107	6.450	6.450	0.000	98	150430	50.0	50.7	
88 n-Butyl acetate	43	6.794	6.794	0.000	96	355822	50.0	54.7	
89 2-Hexanone	43	6.866	6.866	0.000	98	833576	250.0	264.5	
* 90 Chlorobenzene-d5	117	7.145	7.152	-0.007	88	412271	50.0	50.0	
91 Chlorobenzene	112	7.167	7.167	0.000	95	393936	50.0	45.9	
92 Ethylbenzene	106	7.253	7.253	0.000	99	201518	50.0	45.4	
93 1,1,1,2-Tetrachloroethane	131	7.281	7.281	0.000	93	131797	50.0	49.6	
94 m-Xylene & p-Xylene	106	7.468	7.468	0.000	97	254256	50.0	44.5	
95 o-Xylene	106	8.062	8.055	0.007	93	255669	50.0	48.2	
96 Bromoform	173	8.127	8.127	0.000	94	90666	50.0	47.5	
97 Styrene	104	8.148	8.148	0.000	94	434941	50.0	51.2	
98 n-Butyl acrylate	73	8.470	8.470	0.000	96	148878	50.0	53.3	
99 Isopropylbenzene	105	8.549	8.549	0.000	96	606158	50.0	46.1	
100 Amyl acetate (mixed isomer	43	8.886	8.886	0.000	88	420357	50.0	54.1	
$ 101 4-Bromofluorobenzene	174	8.922	8.922	0.000	86	153489	50.0	51.6	
102 Bromobenzene	156	9.036	9.029	0.007	96	161890	50.0	48.5	
103 N-Propylbenzene	91	9.187	9.187	0.000	98	754590	50.0	46.6	
104 1,1,2,2-Tetrachloroethane	83	9.330	9.330	0.000	98	214264	50.0	51.4	
105 2-Chlorotoluene	91	9.359	9.359	0.000	96	535405	50.0	46.3	
106 4-Ethyltoluene	105	9.373	9.373	0.000	99	678451	50.0	50.0	
107 1,2,3-Trichloropropane	110	9.466	9.466	0.000	98	59524	50.0	52.1	
108 1,3,5-Trimethylbenzene	105	9.531	9.531	0.000	93	524961	50.0	47.7	
109 trans-1,4-Dichloro-2-buten	53	9.588	9.595	-0.007	90	68305	50.0	54.1	
110 4-Chlorotoluene	91	9.631	9.631	0.000	99	509228	50.0	49.0	
111 tert-Butylbenzene	119	10.003	10.003	0.000	93	412007	50.0	46.1	
112 Butyl Methacrylate	87	10.132	10.132	0.000	66	223890	50.0	55.1	
118 1,2,4-Trimethylbenzene	105	10.132	10.132	0.000	95	554798	50.0	48.7	
113 sec-Butylbenzene	105	10.297	10.297	0.000	99	623513	50.0	46.3	
114 1,3-Dichlorobenzene	146	10.555	10.555	0.000	95	299958	50.0	46.4	
115 4-Isopropyltoluene	119	10.576	10.576	0.000	98	539436	50.0	47.4	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	96	204892	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.720	10.712	0.008	92	308311	50.0	46.3	
119 2,3-Dihydroindene	117	10.999	10.999	0.000	95	601612	50.0	51.0	
120 Benzyl chloride	91	11.164	11.164	0.000	97	463967	50.0	55.5	
121 p-Diethylbenzene	119	11.185	11.185	0.000	94	335809	50.0	51.1	
122 n-Butylbenzene	91	11.257	11.264	-0.007	98	518559	50.0	47.1	
123 1,2-Dichlorobenzene	146	11.364	11.364	0.000	95	299454	50.0	47.9	
124 1,2,4,5-Tetramethylbenzene	119	12.253	12.253	-0.001	97	546108	50.0	52.9	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	95	40047	50.0	55.3	
126 1,3,5-Trichlorobenzene	180	12.439	12.446	-0.007	97	227323	50.0	50.1	
127 1,2,4-Trichlorobenzene	180	13.105	13.105	0.000	94	209416	50.0	48.4	
128 Hexachlorobutadiene	225	13.119	13.119	0.000	94	80155	50.0	50.9	
129 Naphthalene	128	13.399	13.399	0.000	99	512439	50.0	50.3	
130 1,2,3-Trichlorobenzene	180	13.571	13.571	-0.001	96	195378	50.0	46.8	
S 131 1,2-Dichloroethene, Total	100				0		100.0	90.3	
S 134 1,3-Dichloropropene, Total	100				0		100.0	102.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 132 Xylenes, Total	100				0		100.0	92.7	
S 133 Total BTEX	1				0		250.0	230.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	10.00	Units: uL	
GAS Hi_00161	Amount Added:	5.00	Units: uL	
MIX I Hi_00062	Amount Added:	5.00	Units: uL	
MIX 2 Hi_00047	Amount Added:	5.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

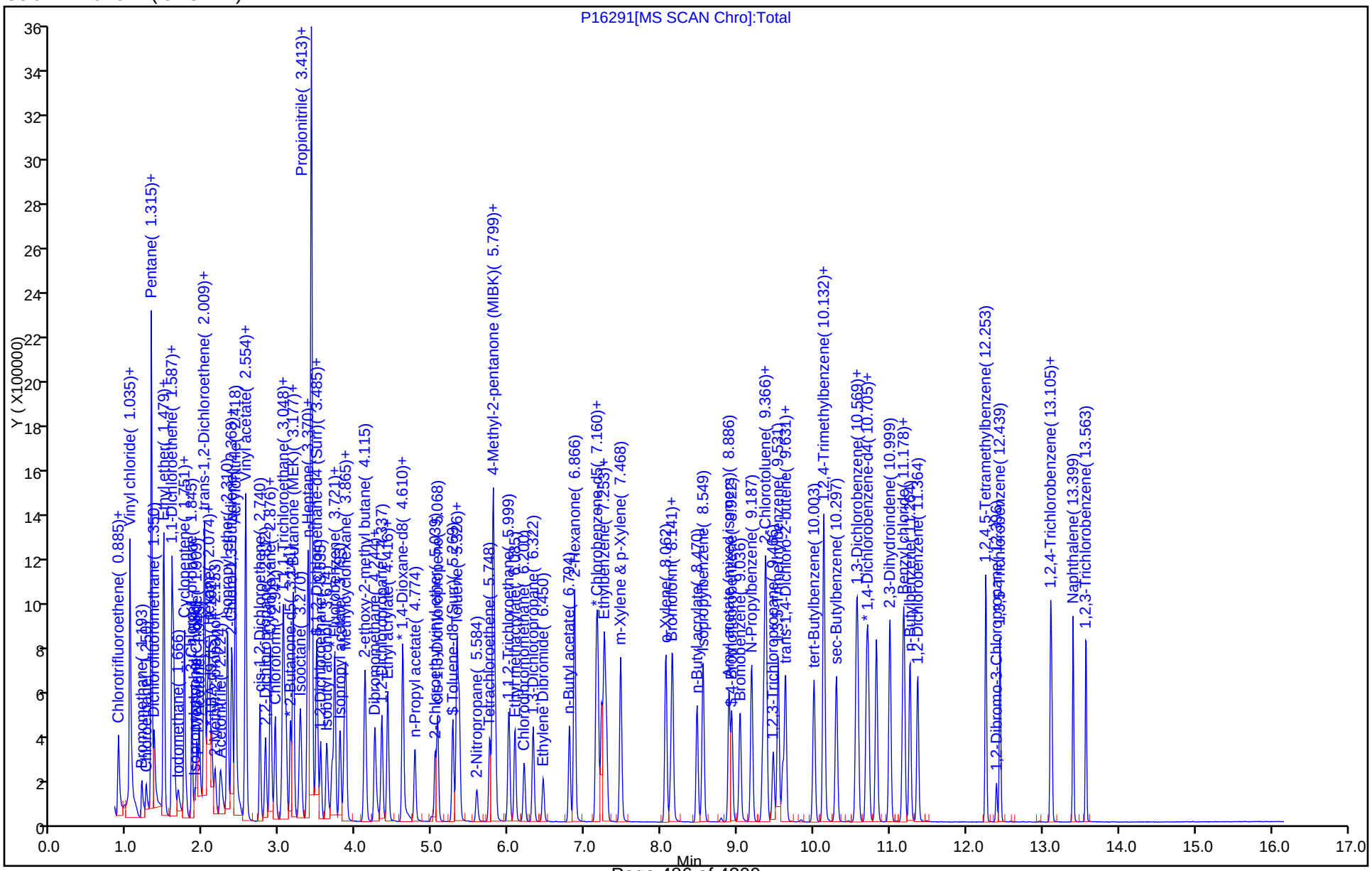
Report Date: 19-Aug-2016 16:05:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16291.D

Injection Date:	18-Aug-2016 13:08:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	STD50			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

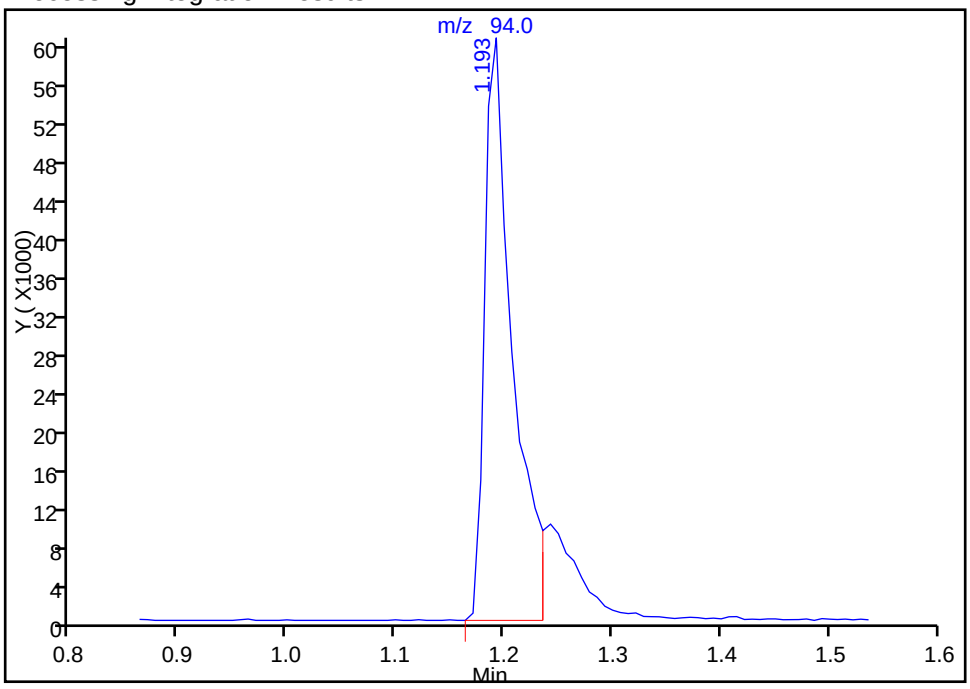
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16291.D
Injection Date: 18-Aug-2016 13:08:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

6 Bromomethane, CAS: 74-83-9

Signal: 1

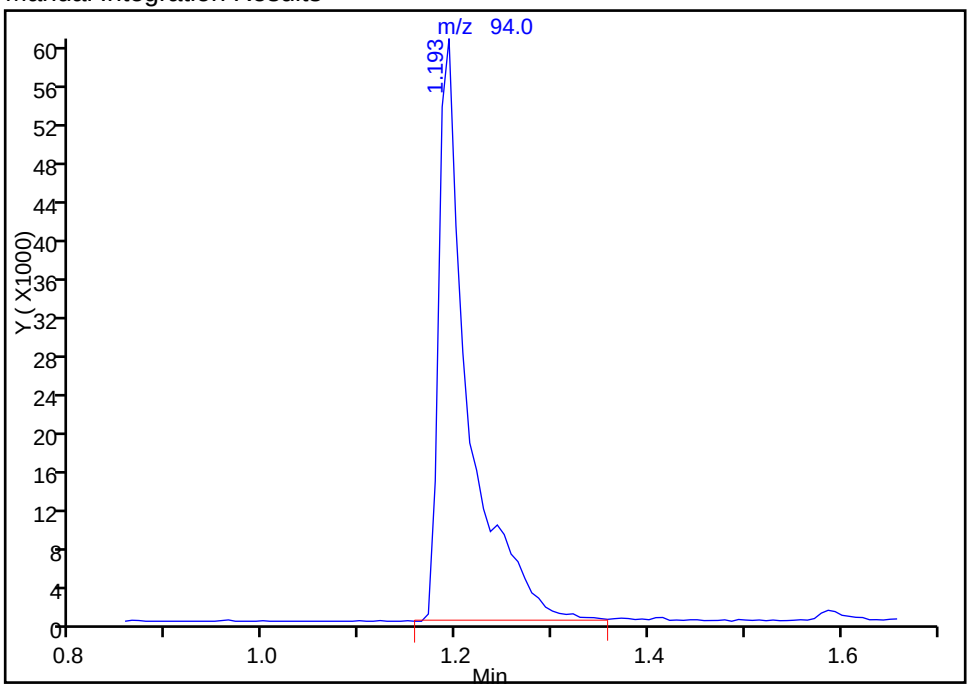
Processing Integration Results

RT: 1.19
Area: 109171
Amount: 42.098658
Amount Units: ug/l



Manual Integration Results

RT: 1.19
Area: 128634
Amount: 48.748851
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:23:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

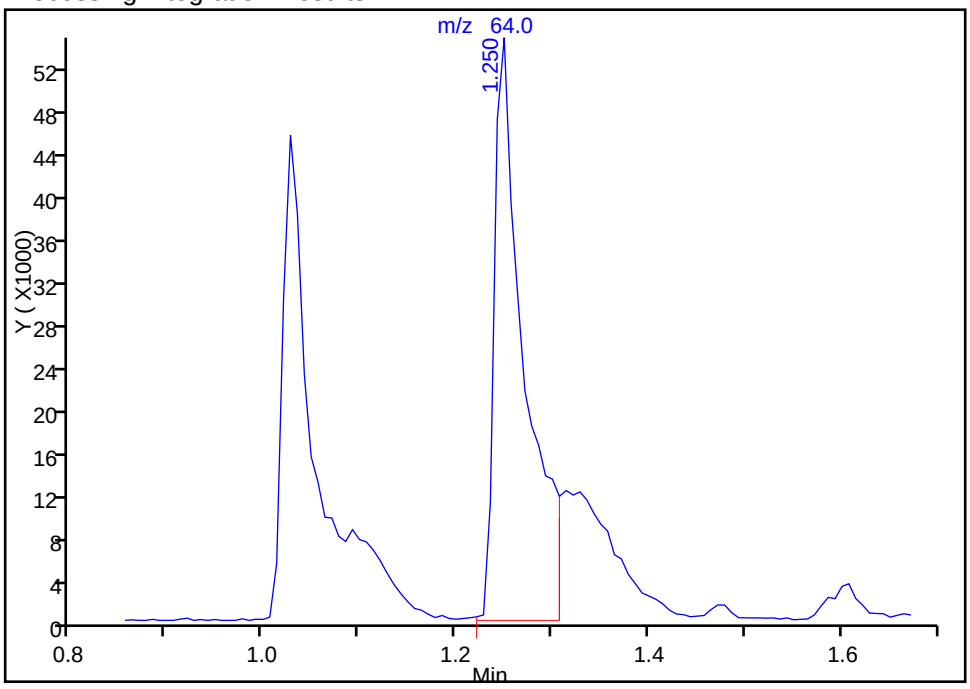
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16291.D
Injection Date: 18-Aug-2016 13:08:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

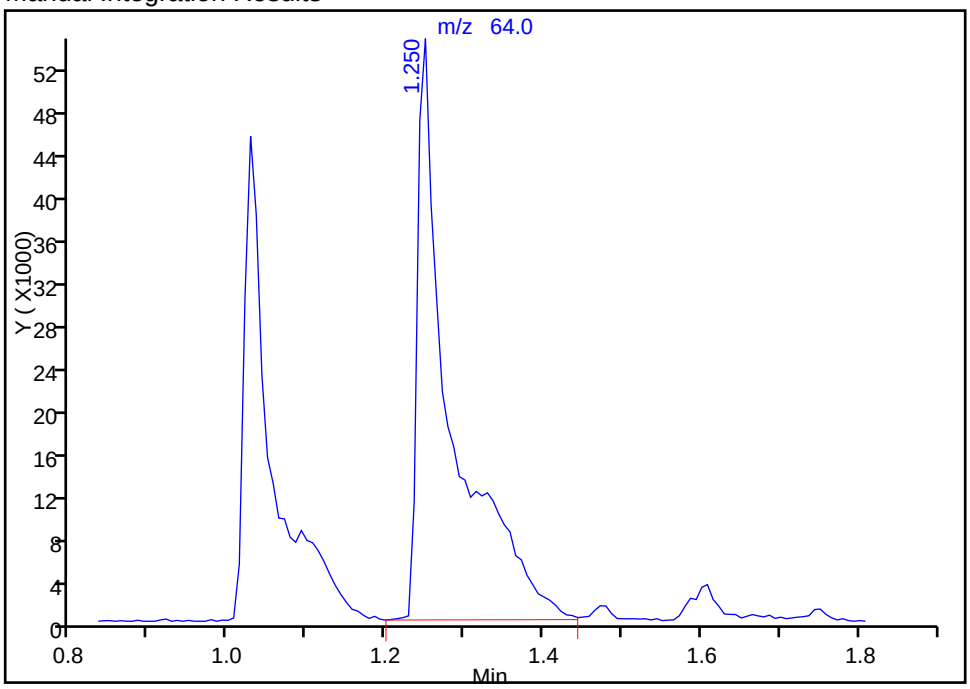
Processing Integration Results

RT: 1.25
Area: 119372
Amount: 43.165236
Amount Units: ug/l



Manual Integration Results

RT: 1.25
Area: 162852
Amount: 54.083454
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:23:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16292.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Aug-2016 13:34:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0044608-008
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 16:05:36 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desais Date: 18-Aug-2016 13:20:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.877	0.878	-0.001	89	554494	200.0	239.3	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	99	1682815	200.0	224.7	
3 Vinyl chloride	62	1.028	1.028	0.000	99	1401057	200.0	196.5	
5 Chloromethane	50	1.035	1.035	0.000	99	2031658	200.0	200.8	
4 Butadiene	54	1.035	1.035	0.000	93	1284632	200.0	215.0	
6 Bromomethane	94	1.193	1.193	0.000	98	567489	200.0	220.4	
7 Chloroethane	64	1.250	1.250	0.000	99	620398	200.0	206.6	M
8 Pentane	72	1.314	1.315	-0.001	96	380821	400.0	448.4	
9 Trichlorofluoromethane	101	1.322	1.315	0.007	99	1305980	200.0	207.5	
10 Dichlorofluoromethane	67	1.350	1.350	0.000	99	1367515	200.0	194.0	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	98	1686049	200.0	219.6	
12 Ethyl ether	59	1.486	1.486	0.000	95	929846	200.0	194.0	
15 Ethanol	46	1.579	1.580	-0.001	99	263821	8000.0	8730.9	
13 1,1-Dichloroethene	96	1.587	1.587	0.000	94	736268	200.0	212.7	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	97	1052924	200.0	223.0	
16 Carbon disulfide	76	1.608	1.601	0.007	100	2831068	200.0	218.1	
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	90	778700	200.0	205.1	
18 Iodomethane	142	1.665	1.666	-0.001	99	625673	200.0	204.6	
19 Cyclopentene	67	1.751	1.752	-0.001	97	2221559	200.0	218.0	
20 Acrolein	56	1.773	1.773	0.000	95	157501	200.0	210.3	
21 3-Chloro-1-propene	76	1.852	1.852	0.000	91	382069	200.0	184.4	
22 Isopropyl alcohol	45	1.887	1.888	-0.001	96	663769	2000.0	1786.0	
23 Methylene Chloride	84	1.916	1.909	0.007	99	787579	200.0	200.9	
24 Acetone	43	1.945	1.945	0.000	86	1433185	1000.0	902.8	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	99	681869	200.0	192.3	
26 Methyl acetate	43	2.016	2.017	-0.001	100	3908149	1000.0	948.6	
27 Hexane	57	2.059	2.052	0.007	97	1848170	200.0	203.7	
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	95	2386290	200.0	198.1	
* 29 TBA-d9 (IS)	65	2.109	2.110	-0.001	99	398671	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.152	2.153	-0.001	99	961422	2000.0	1998.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	2.224	2.224	0.000	99	1362630	2000.0	1994.6	
32 Isopropyl ether	45	2.317	2.310	0.007	98	2900959	200.0	201.1	
34 2-Chloro-1,3-butadiene	88	2.367	2.368	-0.001	94	618743	200.0	210.5	
35 1,1-Dichloroethane	63	2.382	2.382	0.000	100	1446753	200.0	202.0	
33 Acrylonitrile	53	2.417	2.418	-0.001	94	4025872	2000.0	2056.9	
37 Vinyl acetate	43	2.554	2.554	0.000	100	4065756	400.0	452.9	
36 Tert-butyl ethyl ether	59	2.554	2.554	0.000	87	2627558	200.0	206.8	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	94	722323	200.0	191.7	
39 2,2-Dichloropropane	77	2.811	2.812	-0.001	47	1001099	200.0	214.6	
40 Cyclohexane	56	2.876	2.876	0.000	94	1391725	200.0	205.1	
41 Chlorobromomethane	128	2.883	2.883	0.000	96	302400	200.0	192.0	
42 Chloroform	83	2.940	2.941	-0.001	98	1184206	200.0	201.5	
43 Carbon tetrachloride	117	3.033	3.034	-0.001	98	819161	200.0	234.6	
45 Ethyl acetate	43	3.048	3.041	0.007	99	2048160	400.0	414.8	
44 Methyl acrylate	55	3.048	3.048	0.000	88	875754	200.0	202.8	
46 Tetrahydrofuran	42	3.055	3.055	0.000	95	799852	400.0	398.2	
$ 47 Dibromofluoromethane (Surr	113	3.076	3.077	-0.001	96	72073	50.0	53.9	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	97	973586	200.0	212.8	
* 49 2-Butanone-d5	46	3.141	3.141	0.000	99	474819	250.0	250.0	
50 2-Butanone (MEK)	72	3.177	3.177	0.000	99	570942	1000.0	930.1	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	96	998996	200.0	204.4	
53 Isooctane	57	3.270	3.270	0.000	99	2641997	200.0	202.5	
54 n-Heptane	57	3.363	3.363	0.000	96	676500	200.0	207.0	
55 Benzene	78	3.370	3.370	0.000	97	2866780	200.0	201.5	
51 Propionitrile	54	3.413	3.399	0.014	98	1432180	2000.0	2132.3	
56 Methacrylonitrile	67	3.420	3.413	0.007	94	3773593	2000.0	2055.2	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.485	3.478	0.007	95	90107	50.0	52.7	
57 Tert-amyl methyl ether	73	3.485	3.485	0.000	98	2142941	200.0	201.1	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	96	937121	200.0	187.7	
60 Isobutyl alcohol	43	3.621	3.614	0.007	95	1058458	5000.0	5534.1	
136 t-Amyl alcohol	59	3.692	3.686	0.006	92	719049	2000.0	2177.4	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	601344	50.0	50.0	
62 Isopropyl acetate	43	3.793	3.786	0.007	99	1759483	200.0	210.8	
63 Methylcyclohexane	83	3.850	3.850	0.000	95	1215156	200.0	205.3	
64 Trichloroethene	130	3.872	3.865	0.007	96	612822	200.0	198.6	
137 2-ethoxy-2-methyl butane	59	4.122	4.115	0.007	96	1840852	200.0	210.1	
65 Dibromomethane	93	4.244	4.244	0.000	95	424155	200.0	199.8	
66 n-Butanol	56	4.258	4.259	-0.001	88	637337	5000.0	5733.9	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	91	769145	200.0	206.4	
68 Ethyl acrylate	55	4.416	4.409	0.007	98	1203645	200.0	220.2	
69 Dichlorobromomethane	83	4.416	4.416	0.000	99	892339	200.0	206.7	
* 72 1,4-Dioxane-d8	96	4.631	4.602	0.029	48	35934	1000.0	1000.0	
70 Methyl methacrylate	100	4.617	4.617	0.000	94	436225	400.0	442.0	
71 1,4-Dioxane	88	4.638	4.645	-0.007	97	185427	4000.0	4137.8	
73 n-Propyl acetate	43	4.774	4.774	0.000	99	1367282	200.0	219.7	
74 2-Chloroethyl vinyl ether	63	5.039	5.032	0.007	97	591126	200.0	222.9	
75 cis-1,3-Dichloropropene	75	5.068	5.068	0.000	95	1156796	200.0	213.1	
$ 76 Toluene-d8 (Surr)	98	5.268	5.269	-0.001	99	327071	50.0	51.9	
77 Toluene	91	5.326	5.319	0.007	93	2817400	200.0	190.7	
78 Epichlorohydrin	57	5.354	5.355	0.000	99	1852497	4000.0	4357.9	
79 2-Nitropropane	41	5.584	5.584	0.000	96	395580	400.0	444.4	
80 Tetrachloroethene	166	5.755	5.748	0.007	97	595648	200.0	211.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
81 4-Methyl-2-pentanone (MIBK	43	5.806	5.799	0.007	98	4881576	1000.0	1131.8	
82 trans-1,3-Dichloropropene	75	5.834	5.827	0.007	98	1091275	200.0	218.1	
83 1,1,2-Trichloroethane	83	6.006	6.006	0.000	95	540876	200.0	197.9	
84 Ethyl methacrylate	69	6.085	6.078	0.007	91	1060982	200.0	228.0	
85 Chlorodibromomethane	129	6.207	6.207	0.000	97	627950	200.0	212.6	
86 1,3-Dichloropropane	76	6.321	6.322	-0.001	95	1126343	200.0	205.8	
87 Ethylene Dibromide	107	6.450	6.450	0.000	98	615317	200.0	206.3	
88 n-Butyl acetate	43	6.801	6.794	0.007	99	1509064	200.0	231.0	
89 2-Hexanone	43	6.866	6.866	0.000	98	3434531	1000.0	1116.7	
* 90 Chlorobenzene-d5	117	7.152	7.152	0.000	87	414082	50.0	50.0	
91 Chlorobenzene	112	7.174	7.167	0.007	93	1663519	200.0	192.8	
92 Ethylbenzene	106	7.260	7.253	0.007	99	928058	200.0	208.0	
93 1,1,1,2-Tetrachloroethane	131	7.288	7.281	0.007	94	577348	200.0	216.4	
94 m-Xylene & p-Xylene	106	7.467	7.468	-0.001	98	1136739	200.0	198.2	
95 o-Xylene	106	8.062	8.055	0.007	93	1116211	200.0	209.4	
96 Bromoform	173	8.126	8.127	-0.001	94	414717	200.0	216.4	
97 Styrene	104	8.148	8.148	0.000	93	1909003	200.0	223.6	
98 n-Butyl acrylate	73	8.470	8.470	0.000	96	663136	200.0	214.2	
99 Isopropylbenzene	105	8.549	8.549	0.000	96	2905098	200.0	220.0	
100 Amyl acetate (mixed isomer	43	8.893	8.886	0.007	89	1866738	200.0	206.2	
$ 101 4-Bromofluorobenzene	174	8.929	8.922	0.007	86	161290	50.0	53.9	
102 Bromobenzene	156	9.036	9.029	0.007	95	685666	200.0	197.1	
103 N-Propylbenzene	91	9.187	9.187	0.000	98	3663068	200.0	217.3	
104 1,1,2,2-Tetrachloroethane	83	9.337	9.330	0.007	99	892928	200.0	205.6	
105 2-Chlorotoluene	91	9.366	9.359	0.007	97	2432729	200.0	201.9	
106 4-Ethyltoluene	105	9.380	9.373	0.007	98	2950558	200.0	208.8	
107 1,2,3-Trichloropropane	110	9.473	9.466	0.007	98	238147	200.0	199.9	
108 1,3,5-Trimethylbenzene	105	9.538	9.531	0.007	93	2425786	200.0	211.5	
109 trans-1,4-Dichloro-2-buten	53	9.595	9.595	0.000	92	293535	200.0	223.1	
110 4-Chlorotoluene	91	9.631	9.631	0.000	99	2228728	200.0	205.7	
111 tert-Butylbenzene	119	10.010	10.003	0.007	93	1997719	200.0	214.4	
112 Butyl Methacrylate	87	10.139	10.132	0.007	67	1044150	200.0	212.3	
118 1,2,4-Trimethylbenzene	105	10.139	10.132	0.007	95	2517355	200.0	212.2	
113 sec-Butylbenzene	105	10.304	10.297	0.007	99	3193760	200.0	227.8	
114 1,3-Dichlorobenzene	146	10.562	10.555	0.007	94	1319255	200.0	195.8	
115 4-Isopropyltoluene	119	10.583	10.576	0.007	97	2669841	200.0	225.0	
* 116 1,4-Dichlorobenzene-d4	152	10.698	10.691	0.007	96	213524	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.719	10.712	0.007	93	1330965	200.0	192.0	
119 2,3-Dihydroindene	117	11.006	10.999	0.007	94	2477901	200.0	201.4	
120 Benzyl chloride	91	11.171	11.164	0.007	97	2063727	200.0	210.9	
121 p-Diethylbenzene	119	11.185	11.185	0.000	92	1484050	200.0	216.8	
122 n-Butylbenzene	91	11.264	11.264	0.000	98	2633814	200.0	229.4	
123 1,2-Dichlorobenzene	146	11.364	11.364	0.000	95	1262490	200.0	193.9	
124 1,2,4,5-Tetramethylbenzene	119	12.259	12.253	0.006	97	2373762	200.0	220.8	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	96	163379	200.0	216.6	
126 1,3,5-Trichlorobenzene	180	12.446	12.446	0.000	96	963845	200.0	203.7	
127 1,2,4-Trichlorobenzene	180	13.105	13.105	0.000	93	939445	200.0	208.5	
128 Hexachlorobutadiene	225	13.119	13.119	0.000	93	421319	200.0	220.0	
129 Naphthalene	128	13.398	13.399	-0.001	99	2410935	200.0	227.0	
130 1,2,3-Trichlorobenzene	180	13.570	13.571	-0.001	95	869709	200.0	199.9	
S 131 1,2-Dichloroethene, Total	100				0		400.0	384.0	
S 134 1,3-Dichloropropene, Total	100				0		400.0	431.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 132 Xylenes, Total	100				0		400.0	407.6	
S 133 Total BTEX	1				0		1000.0	1007.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	20.00	Units: uL	
GAS Hi_00161	Amount Added:	20.00	Units: uL	
MIX I Hi_00062	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00047	Amount Added:	20.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

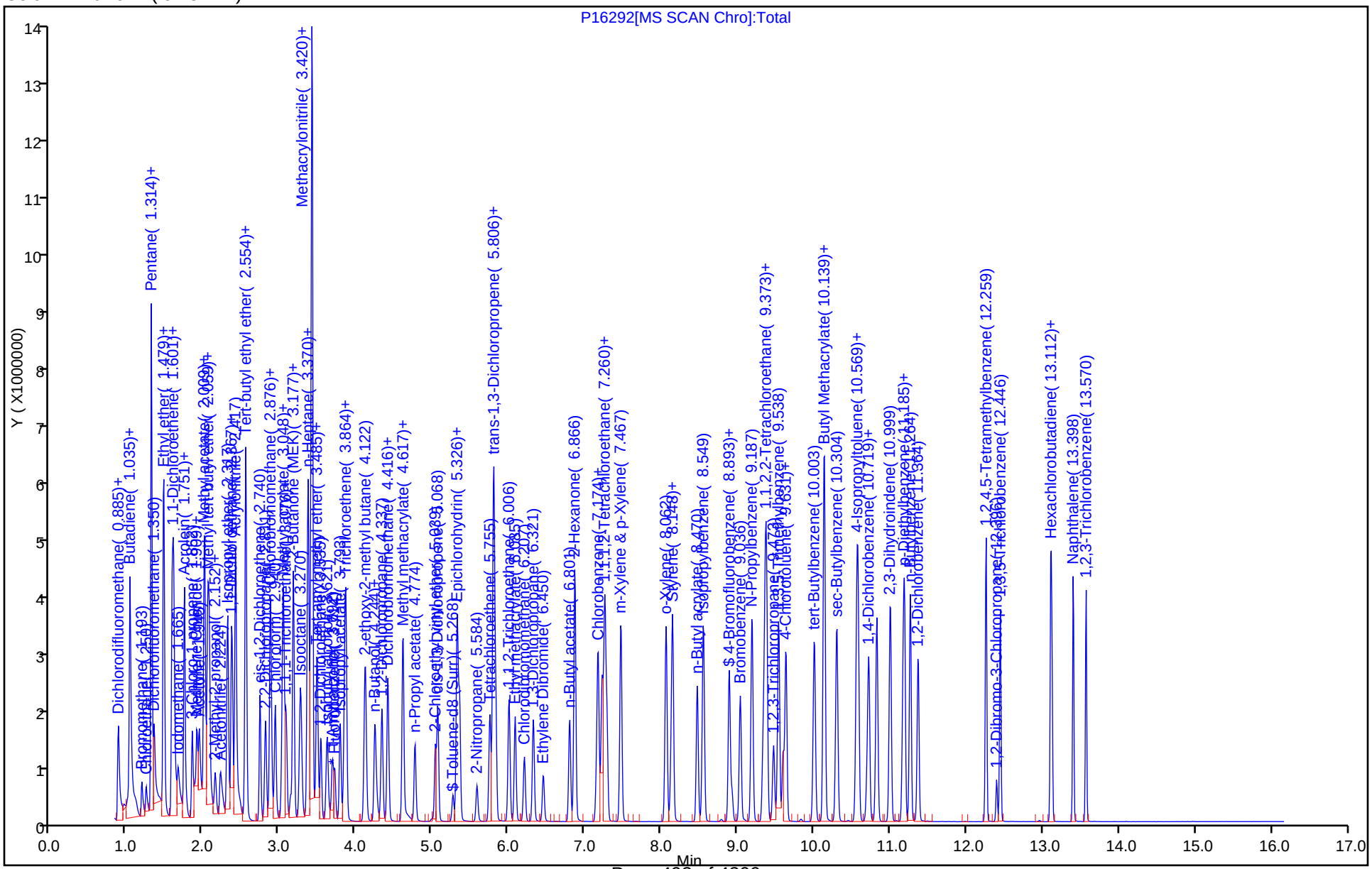
Report Date: 19-Aug-2016 16:05:43 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16292.D

Injection Date:	18-Aug-2016 13:34:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	STD200			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

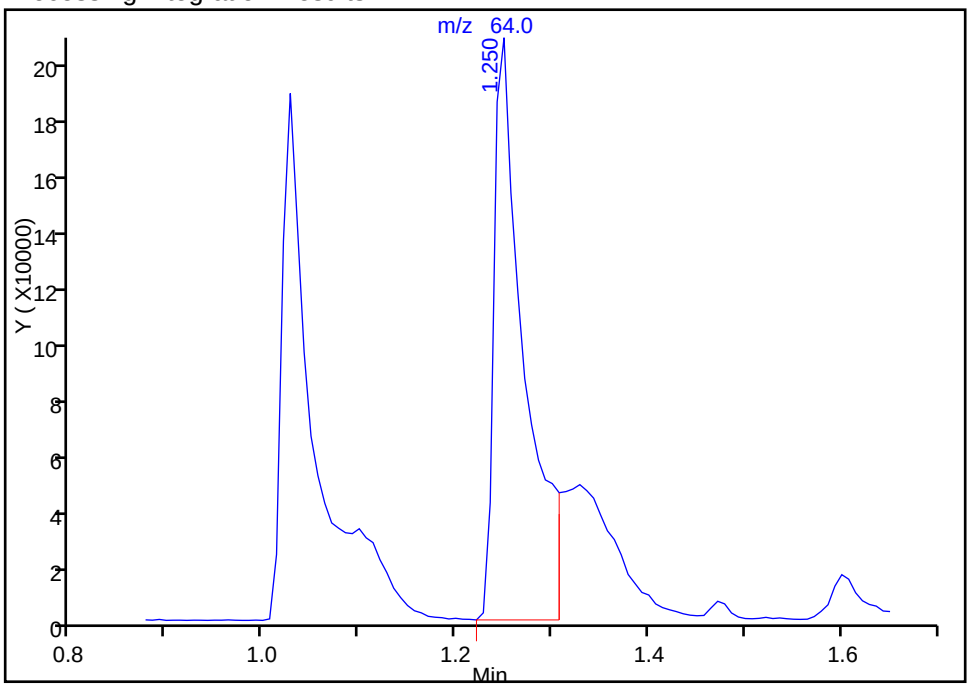
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16292.D
Injection Date: 18-Aug-2016 13:34:30 Instrument ID: CVOAMS13
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

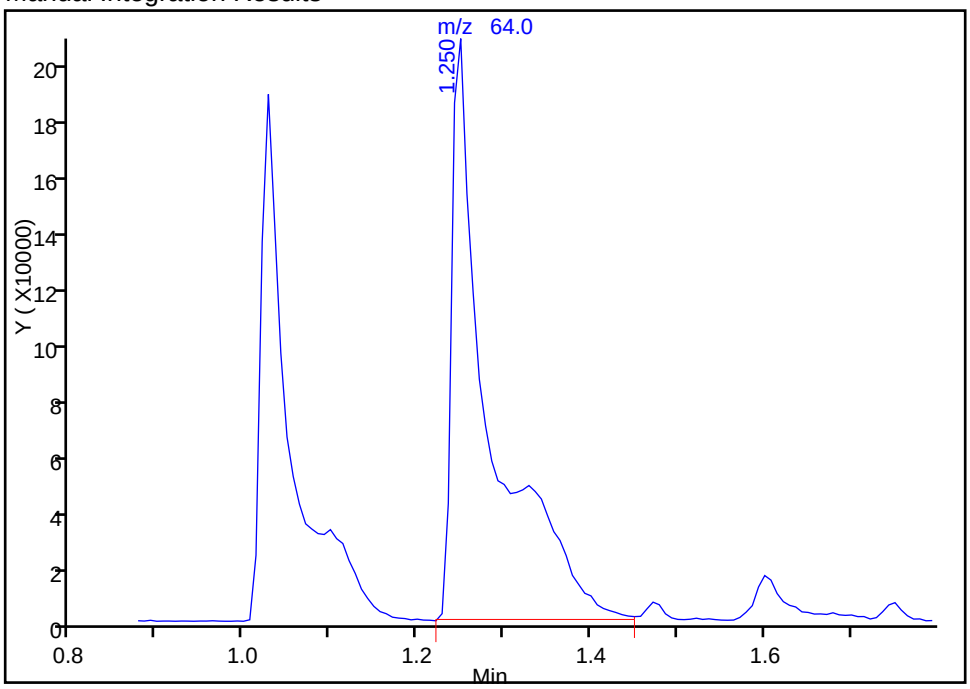
Processing Integration Results

RT: 1.25
Area: 449045
Amount: 170.3629
Amount Units: ug/l



Manual Integration Results

RT: 1.25
Area: 620398
Amount: 206.5774
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:22:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16293.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Aug-2016 14:00:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0044608-009
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 16:05:48 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desais Date: 18-Aug-2016 13:20:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.878	0.878	0.000	90	1413318	500.0	601.6	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	99	4493906	500.0	592.0	
3 Vinyl chloride	62	1.028	1.028	0.000	99	3968379	500.0	549.1	
5 Chloromethane	50	1.035	1.035	0.000	99	5873008	500.0	572.6	
4 Butadiene	54	1.035	1.035	0.000	94	3676990	500.0	607.1	
6 Bromomethane	94	1.193	1.193	0.000	98	1741052	500.0	652.9	
7 Chloroethane	64	1.250	1.250	0.000	100	1754478	500.0	576.4	M
8 Pentane	72	1.314	1.315	-0.001	95	948642	1000.0	1088.5	
9 Trichlorofluoromethane	101	1.322	1.315	0.007	99	3409637	500.0	534.6	
10 Dichlorofluoromethane	67	1.350	1.350	0.000	99	3557015	500.0	497.9	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	98	4736760	500.0	608.6	
12 Ethyl ether	59	1.486	1.486	0.000	96	2522791	500.0	519.2	
15 Ethanol	46	1.580	1.580	0.000	99	716614	20000	23109	
13 1,1-Dichloroethene	96	1.594	1.587	0.007	95	1966870	500.0	560.7	
14 1,2-Dichloro-1,1,2-trifluo	67	1.594	1.587	0.007	77	2327347	500.0	486.3	
16 Carbon disulfide	76	1.608	1.601	0.007	100	7743875	500.0	588.5	
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	92	2201018	500.0	499.5	
18 Iodomethane	142	1.665	1.666	-0.001	99	1603805	500.0	499.4	
19 Cyclopentene	67	1.751	1.752	-0.001	97	6300910	500.0	610.0	
20 Acrolein	56	1.773	1.773	0.000	95	307790	400.0	400.4	
21 3-Chloro-1-propene	76	1.852	1.852	0.000	91	881701	500.0	419.7	
22 Isopropyl alcohol	45	1.895	1.888	0.007	97	1681086	5000.0	4407.7	
23 Methylene Chloride	84	1.916	1.909	0.007	99	2054575	500.0	517.1	
24 Acetone	43	1.945	1.945	0.000	86	3531425	2500.0	2147.9	
25 trans-1,2-Dichloroethene	96	2.009	2.002	0.007	98	1845624	500.0	513.5	
26 Methyl acetate	43	2.016	2.017	-0.001	100	10143961	2500.0	2429.1	
27 Hexane	57	2.059	2.052	0.007	94	4997086	500.0	499.6	
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	95	6481920	500.0	530.8	
* 29 TBA-d9 (IS)	65	2.110	2.110	0.000	99	409129	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.160	2.153	0.007	99	2576086	5000.0	5000.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	2.224	2.224	0.000	99	3420869	5000.0	4879.5	
32 Isopropyl ether	45	2.317	2.310	0.007	97	7634404	500.0	522.2	
34 2-Chloro-1,3-butadiene	88	2.367	2.368	-0.001	93	1647957	500.0	553.0	
35 1,1-Dichloroethane	63	2.389	2.382	0.007	99	3838030	500.0	528.6	
33 Acrylonitrile	53	2.425	2.418	0.007	94	10442282	5000.0	5263.7	
37 Vinyl acetate	43	2.561	2.554	0.007	100	10400482	1000.0	1143.0	
36 Tert-butyl ethyl ether	59	2.554	2.554	0.000	89	6936924	500.0	538.7	
38 cis-1,2-Dichloroethene	96	2.747	2.740	0.007	94	1947162	500.0	509.7	
39 2,2-Dichloropropane	77	2.812	2.812	0.000	46	2605386	500.0	551.1	
40 Cyclohexane	56	2.876	2.876	0.000	94	3693359	500.0	499.4	
41 Chlorobromomethane	128	2.883	2.883	0.000	96	784131	500.0	491.2	
42 Chloroform	83	2.948	2.941	0.007	98	3123006	500.0	524.4	
43 Carbon tetrachloride	117	3.034	3.034	0.000	98	2204097	500.0	622.8	
45 Ethyl acetate	43	3.048	3.041	0.007	99	5537523	1000.0	1083.0	
44 Methyl acrylate	55	3.048	3.048	0.000	87	2372948	500.0	542.2	
46 Tetrahydrofuran	42	3.055	3.055	0.000	94	2000500	1000.0	961.6	
$ 47 Dibromofluoromethane (Surr	113	3.084	3.077	0.007	29	40790	50.0	30.1	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	98	2578531	500.0	556.0	
* 49 2-Butanone-d5	46	3.141	3.141	0.000	98	491733	250.0	250.0	
50 2-Butanone (MEK)	72	3.184	3.177	0.007	99	1578178	2500.0	2482.5	
52 1,1-Dichloropropene	75	3.184	3.177	0.007	72	2637268	500.0	532.3	
53 Isooctane	57	3.277	3.270	0.007	99	6779491	500.0	499.7	
54 n-Heptane	57	3.370	3.363	0.007	96	1770392	500.0	499.2	
55 Benzene	78	3.377	3.370	0.007	97	7557118	500.0	509.1	
51 Propionitrile	54	3.435	3.399	0.036	93	3923729	5000.0	5692.6	
56 Methacrylonitrile	67	3.442	3.413	0.029	93	10122243	5000.0	5439.0	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.492	3.478	0.014	73	79537	50.0	45.9	
57 Tert-amyl methyl ether	73	3.492	3.485	0.007	98	5797083	500.0	536.8	
59 1,2-Dichloroethane	62	3.542	3.535	0.007	96	2501598	500.0	494.3	
60 Isobutyl alcohol	43	3.628	3.614	0.014	95	2981824	12500	15192	
136 t-Amyl alcohol	59	3.700	3.686	0.014	88	2026920	5000.0	6055.4	
* 61 Fluorobenzene	96	3.721	3.721	0.000	97	609524	50.0	50.0	
62 Isopropyl acetate	43	3.800	3.786	0.014	99	4761379	500.0	562.8	
63 Methylcyclohexane	83	3.857	3.850	0.007	94	3227421	500.0	499.4	
64 Trichloroethene	130	3.872	3.865	0.007	95	1652961	500.0	528.5	
137 2-ethoxy-2-methyl butane	59	4.122	4.115	0.007	96	5021682	500.0	565.5	
65 Dibromomethane	93	4.244	4.244	0.000	94	1096998	500.0	509.9	
66 n-Butanol	56	4.266	4.259	0.007	89	1832992	12500	16069	
67 1,2-Dichloropropane	63	4.344	4.337	0.007	91	2064372	500.0	546.5	
68 Ethyl acrylate	55	4.416	4.409	0.007	98	3324080	500.0	600.0	
69 Dichlorobromomethane	83	4.423	4.416	0.007	99	2442029	500.0	558.1	
* 72 1,4-Dioxane-d8	96	4.624	4.602	0.022	41	41121	1000.0	1000.0	
70 Methyl methacrylate	100	4.624	4.617	0.007	93	1158463	1000.0	1158.0	
71 1,4-Dioxane	88	4.645	4.645	0.000	97	499576	10000	9741.7	
73 n-Propyl acetate	43	4.774	4.774	0.000	99	3670965	500.0	582.0	
74 2-Chloroethyl vinyl ether	63	5.046	5.032	0.014	97	1580691	500.0	588.0	
75 cis-1,3-Dichloropropene	75	5.075	5.068	0.007	95	3173286	500.0	560.1	
$ 76 Toluene-d8 (Surr)	98	5.276	5.269	0.007	98	259136	50.0	39.4	
77 Toluene	91	5.333	5.319	0.014	93	7475811	500.0	484.8	
78 Epichlorohydrin	57	5.369	5.355	0.015	100	5112495	10000	11613	
79 2-Nitropropane	41	5.591	5.584	0.007	97	1104781	1000.0	1224.6	
80 Tetrachloroethene	166	5.763	5.748	0.015	97	1585987	500.0	540.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
81 4-Methyl-2-pentanone (MIBK	43	5.820	5.799	0.021	98	13491775	2500.0	3020.6	
82 trans-1,3-Dichloropropene	75	5.842	5.827	0.015	98	3040842	500.0	582.5	
83 1,1,2-Trichloroethane	83	6.013	6.006	0.007	95	1460934	500.0	512.3	
84 Ethyl methacrylate	69	6.092	6.078	0.014	91	2900513	500.0	615.0	
85 Chlorodibromomethane	129	6.214	6.207	0.007	97	1715119	500.0	556.5	
86 1,3-Dichloropropane	76	6.329	6.322	0.007	95	3031760	500.0	530.8	
87 Ethylene Dibromide	107	6.458	6.450	0.008	98	1638626	500.0	526.4	
88 n-Butyl acetate	43	6.809	6.794	0.015	99	4364978	500.0	640.2	
89 2-Hexanone	43	6.880	6.866	0.014	98	9516562	2500.0	2987.9	
* 90 Chlorobenzene-d5	117	7.160	7.152	0.008	91	432139	50.0	50.0	
91 Chlorobenzene	112	7.181	7.167	0.014	91	4450703	500.0	494.2	
92 Ethylbenzene	106	7.274	7.253	0.021	99	2488940	500.0	534.6	
93 1,1,1,2-Tetrachloroethane	131	7.296	7.281	0.015	94	1577431	500.0	566.5	
94 m-Xylene & p-Xylene	106	7.482	7.468	0.014	98	3008593	500.0	502.7	
95 o-Xylene	106	8.069	8.055	0.014	93	2957583	500.0	531.7	
96 Bromoform	173	8.134	8.127	0.007	95	1135436	500.0	567.7	
97 Styrene	104	8.162	8.148	0.014	93	5112464	500.0	573.8	
98 n-Butyl acrylate	73	8.485	8.470	0.015	96	1819515	500.0	487.4	
99 Isopropylbenzene	105	8.563	8.549	0.014	97	7614775	500.0	552.5	
100 Amyl acetate (mixed isomer	43	8.900	8.886	0.014	89	5132421	500.0	493.1	
$ 101 4-Bromofluorobenzene	174	8.936	8.922	0.014	85	118950	50.0	38.1	
102 Bromobenzene	156	9.043	9.029	0.014	94	1793696	500.0	535.8	
103 N-Propylbenzene	91	9.201	9.187	0.014	98	9488418	500.0	584.9	
104 1,1,2,2-Tetrachloroethane	83	9.351	9.330	0.021	99	2356120	500.0	563.7	
105 2-Chlorotoluene	91	9.373	9.359	0.014	96	6546464	500.0	564.5	
106 4-Ethyltoluene	105	9.394	9.373	0.021	99	7749336	500.0	569.7	
107 1,2,3-Trichloropropane	110	9.480	9.466	0.014	98	627467	500.0	547.2	
108 1,3,5-Trimethylbenzene	105	9.552	9.531	0.021	92	6274628	500.0	568.6	
109 trans-1,4-Dichloro-2-buten	53	9.609	9.595	0.014	91	813479	500.0	642.6	
110 4-Chlorotoluene	91	9.645	9.631	0.014	99	5871597	500.0	563.0	
111 tert-Butylbenzene	119	10.018	10.003	0.015	92	5145798	500.0	574.0	
112 Butyl Methacrylate	87	10.147	10.132	0.015	71	2869616	500.0	488.8	
118 1,2,4-Trimethylbenzene	105	10.147	10.132	0.015	95	6590014	500.0	577.1	
113 sec-Butylbenzene	105	10.311	10.297	0.014	98	8013799	500.0	593.9	
114 1,3-Dichlorobenzene	146	10.576	10.555	0.021	93	3431130	500.0	529.2	
115 4-Isopropyltoluene	119	10.591	10.576	0.015	97	6941613	500.0	607.9	
* 116 1,4-Dichlorobenzene-d4	152	10.712	10.691	0.021	97	205486	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.734	10.712	0.022	93	3424099	500.0	513.2	
119 2,3-Dihydroindene	117	11.013	10.999	0.014	94	6247815	500.0	527.8	
120 Benzyl chloride	91	11.178	11.164	0.014	97	5490928	500.0	488.7	
121 p-Diethylbenzene	119	11.199	11.185	0.014	91	3798872	500.0	576.7	
122 n-Butylbenzene	91	11.278	11.264	0.014	98	6599541	500.0	597.3	
123 1,2-Dichlorobenzene	146	11.379	11.364	0.015	95	3234220	500.0	516.1	
124 1,2,4,5-Tetramethylbenzene	119	12.267	12.253	0.014	97	6253721	500.0	604.5	
125 1,2-Dibromo-3-Chloropropan	157	12.403	12.396	0.007	96	417484	500.0	575.2	
126 1,3,5-Trichlorobenzene	180	12.453	12.446	0.007	96	2493246	500.0	547.6	
127 1,2,4-Trichlorobenzene	180	13.112	13.105	0.007	93	2555716	500.0	589.3	
128 Hexachlorobutadiene	225	13.126	13.119	0.007	94	1101288	500.0	485.2	
129 Naphthalene	128	13.406	13.399	0.007	98	6222821	500.0	608.7	
130 1,2,3-Trichlorobenzene	180	13.570	13.571	-0.001	95	2262300	500.0	540.3	
S 131 1,2-Dichloroethene, Total	100				0		1000.0	1023.3	
S 134 1,3-Dichloropropene, Total	100				0		1000.0	1142.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 132 Xylenes, Total	100				0		1000.0	1034.4	
S 133 Total BTEX	1				0		2500.0	2562.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00161	Amount Added:	50.00	Units: uL	
ACROLEIN W_00053	Amount Added:	40.00	Units: uL	
MIX I Hi_00062	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00047	Amount Added:	50.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 19-Aug-2016 16:05:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16293.D

Injection Date: 18-Aug-2016 14:00:30 Instrument ID: CVOAMS13 Operator ID:

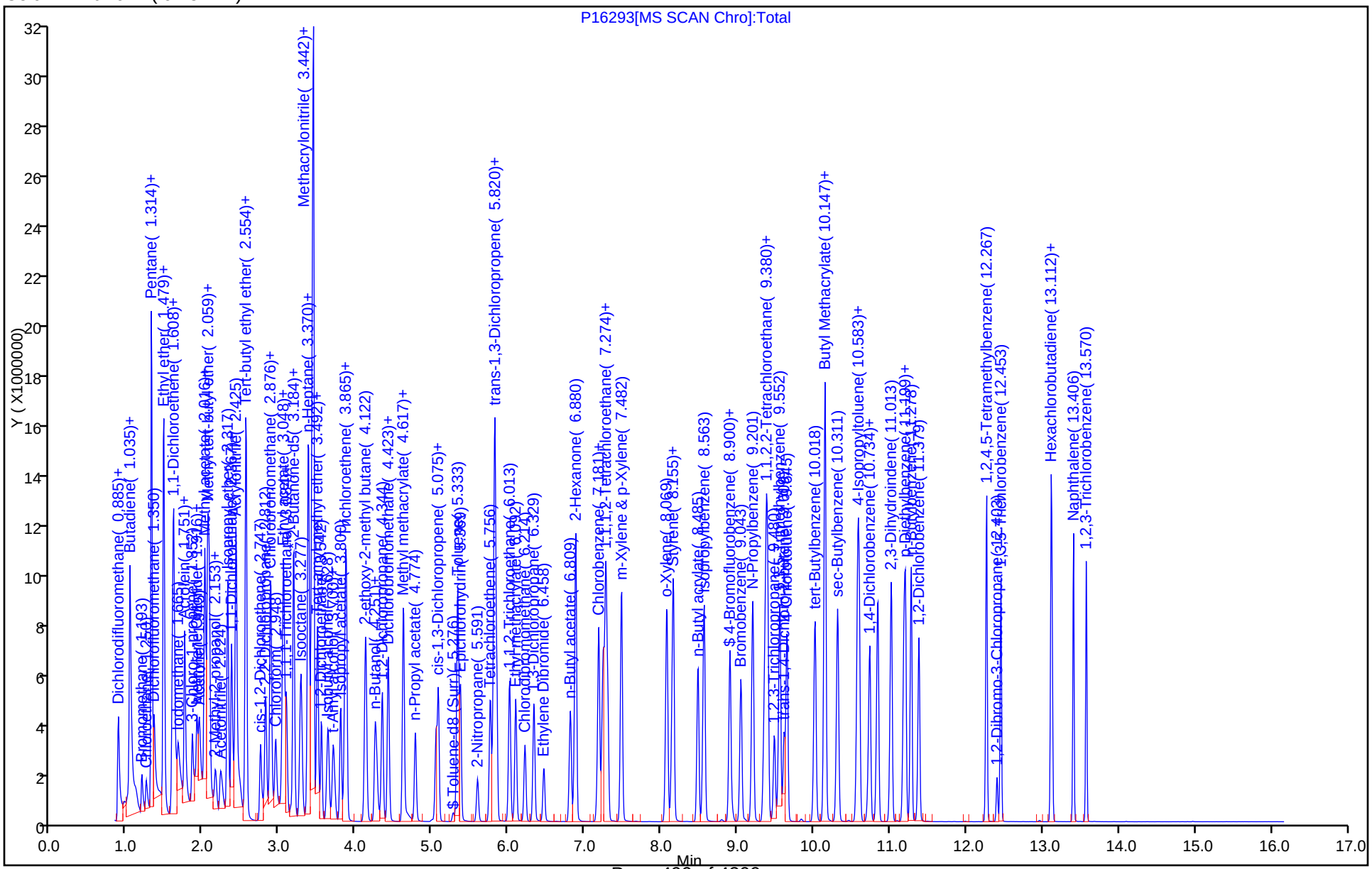
Lims ID: STD500 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

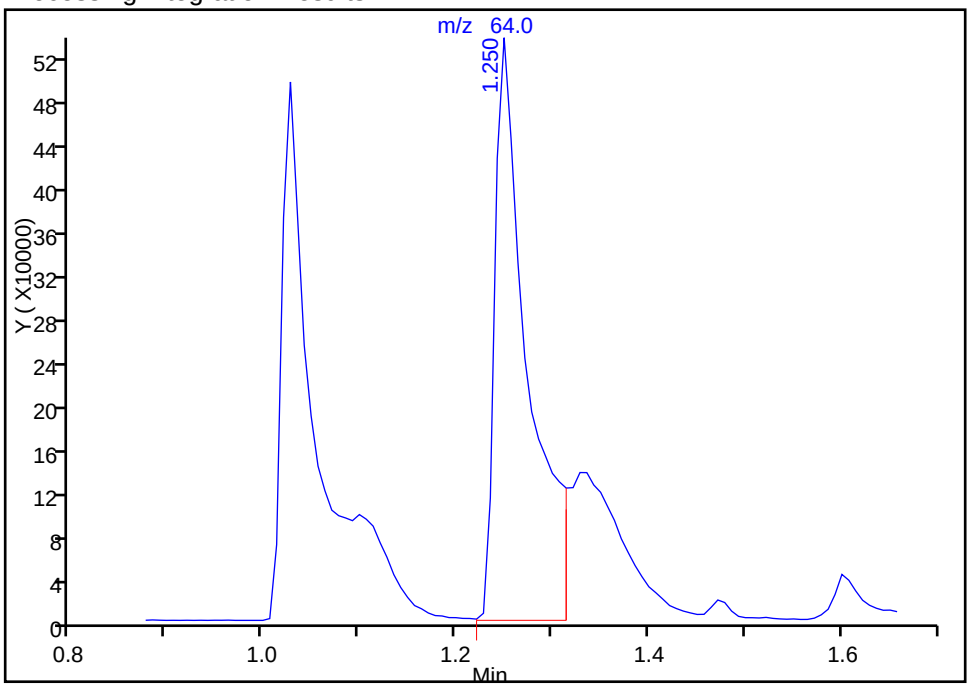
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16293.D
Injection Date: 18-Aug-2016 14:00:30 Instrument ID: CVOAMS13
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

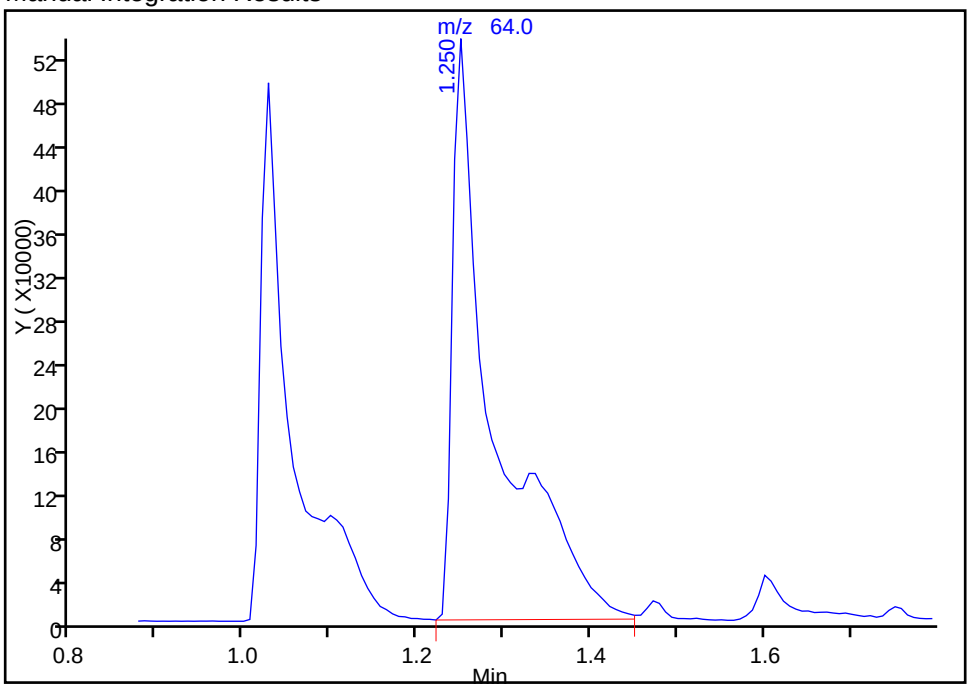
Processing Integration Results

RT: 1.25
Area: 1272599
Amount: 502.2116
Amount Units: ug/l



Manual Integration Results

RT: 1.25
Area: 1754478
Amount: 576.3582
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:22:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Aug-2016 17:04:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0044608-014
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 16:06:11 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: starzecm Date: 18-Aug-2016 18:51:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.878	0.878	0.000	88	8476	5.00	3.84	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	99	29604	5.00	4.15	
3 Vinyl chloride	62	1.028	1.028	0.000	63	28311	5.00	4.17	
5 Chloromethane	50	1.035	1.035	0.000	69	40603	5.00	4.21	
4 Butadiene	54	1.035	1.035	0.000	94	23808	5.00	4.18	
6 Bromomethane	94	1.193	1.193	0.000	97	10567	5.00	4.41	
7 Chloroethane	64	1.250	1.250	0.000	97	13876	5.00	4.85	M
8 Pentane	72	1.322	1.315	0.007	97	5132	10.0	6.74	
9 Trichlorofluoromethane	101	1.322	1.315	0.007	96	27651	5.00	4.61	
10 Dichlorofluoromethane	67	1.357	1.350	0.007	98	32143	5.00	4.79	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	97	26585	5.00	3.63	
12 Ethyl ether	59	1.486	1.486	0.000	94	21180	5.00	4.64	
15 Ethanol	46	1.580	1.580	0.000	31	5695	200.0	210.2	M
13 1,1-Dichloroethene	96	1.587	1.587	0.000	95	14079	5.00	4.27	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	80	18742	5.00	4.17	
16 Carbon disulfide	76	1.601	1.601	0.000	100	49962	5.00	4.04	
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	42	7677	5.00	2.36	
18 Iodomethane	142	1.666	1.666	0.000	95	5419	5.00	1.91	
19 Cyclopentene	67	1.751	1.752	-0.001	97	35388	5.00	3.64	
20 Acrolein	56	1.773	1.773	0.000	90	12934	20.0	19.3	
21 3-Chloro-1-propene	76	1.852	1.852	0.000	91	9999	5.00	5.06	
22 Isopropyl alcohol	45	1.888	1.888	0.000	98	15743	50.0	47.2	
23 Methylene Chloride	84	1.916	1.909	0.007	96	17731	5.00	4.75	
24 Acetone	43	1.945	1.945	0.000	87	33235	25.0	22.5	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	99	15123	5.00	4.48	
26 Methyl acetate	43	2.016	2.017	-0.001	100	100591	25.0	25.6	
27 Hexane	57	2.074	2.052	0.022	29	23687	5.00	2.91	
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	97	55526	5.00	4.84	
* 29 TBA-d9 (IS)	65	2.102	2.110	-0.008	100	357450	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.153	2.153	0.000	98	23531	50.0	49.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	2.224	2.224	0.000	98	30230	50.0	49.4	
32 Isopropyl ether	45	2.310	2.310	0.000	97	62587	5.00	4.55	
34 2-Chloro-1,3-butadiene	88	2.367	2.368	-0.001	93	11829	5.00	4.22	
35 1,1-Dichloroethane	63	2.382	2.382	0.000	100	33401	5.00	4.89	
33 Acrylonitrile	53	2.418	2.418	0.000	97	89649	50.0	48.1	
37 Vinyl acetate	43	2.554	2.554	0.000	100	70866	10.0	8.28	
36 Tert-butyl ethyl ether	59	2.547	2.554	-0.007	87	58230	5.00	4.81	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	94	17559	5.00	4.89	
39 2,2-Dichloropropane	77	2.812	2.812	0.000	77	19603	5.00	4.41	
40 Cyclohexane	56	2.876	2.876	0.000	88	14273	5.00	2.33	
41 Chlorobromomethane	128	2.883	2.883	0.000	96	8178	5.00	5.45	
42 Chloroform	83	2.941	2.941	0.000	98	27502	5.00	4.91	
43 Carbon tetrachloride	117	3.026	3.034	-0.008	95	11764	5.00	3.54	
45 Ethyl acetate	43	3.048	3.041	0.007	96	42001	10.0	9.13	
44 Methyl acrylate	55	3.048	3.048	0.000	58	18183	5.00	4.42	
46 Tetrahydrofuran	42	3.055	3.055	0.000	53	19021	10.0	10.2	
$ 47 Dibromofluoromethane (Surr	113	3.069	3.077	-0.008	96	68450	50.0	53.7	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	95	18685	5.00	4.29	
* 49 2-Butanone-d5	46	3.141	3.141	0.000	98	442305	250.0	250.0	
50 2-Butanone (MEK)	72	3.177	3.177	0.000	99	13430	25.0	23.5	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	66	20320	5.00	4.36	
53 Isooctane	57	3.263	3.270	-0.007	99	30008	5.00	2.46	
54 n-Heptane	57	3.363	3.363	0.000	40	4157	5.00	1.40	
55 Benzene	78	3.370	3.370	0.000	96	64495	5.00	4.74	
51 Propionitrile	54	3.399	3.399	0.000	97	28604	50.0	47.5	
56 Methacrylonitrile	67	3.413	3.413	0.000	93	85008	50.0	48.6	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	96	81142	50.0	49.8	
57 Tert-amyl methyl ether	73	3.485	3.485	0.000	72	48813	5.00	4.81	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	96	22213	5.00	4.67	
60 Isobutyl alcohol	43	3.607	3.614	-0.007	97	20473	125.0	119.4	
136 t-Amyl alcohol	59	3.685	3.686	-0.001	83	13580	50.0	43.2	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	573044	50.0	50.0	
62 Isopropyl acetate	43	3.793	3.786	0.007	99	35526	5.00	4.47	
63 Methylcyclohexane	83	3.843	3.850	-0.007	91	10170	5.00	1.91	
64 Trichloroethene	130	3.865	3.865	0.000	94	13475	5.00	4.58	
137 2-ethoxy-2-methyl butane	59	4.115	4.115	0.000	97	38851	5.00	4.65	
65 Dibromomethane	93	4.244	4.244	0.000	93	10058	5.00	4.97	
66 n-Butanol	56	4.251	4.259	-0.008	64	11128	125.0	111.7	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	87	16268	5.00	4.58	
68 Ethyl acrylate	55	4.416	4.409	0.007	93	22372	5.00	4.29	
69 Dichlorobromomethane	83	4.416	4.416	0.000	98	20166	5.00	4.90	
* 72 1,4-Dioxane-d8	96	4.617	4.602	0.015	56	33647	1000.0	1000.0	
70 Methyl methacrylate	100	4.610	4.617	-0.007	92	8439	10.0	8.97	
71 1,4-Dioxane	88	4.638	4.645	-0.007	84	4490	100.0	107.0	
73 n-Propyl acetate	43	4.774	4.774	0.000	99	26645	5.00	4.49	
74 2-Chloroethyl vinyl ether	63	5.039	5.032	0.007	98	13218	5.00	5.23	
75 cis-1,3-Dichloropropene	75	5.068	5.068	0.000	95	23533	5.00	4.53	
$ 76 Toluene-d8 (Surr)	98	5.269	5.269	-0.001	99	304506	50.0	50.5	
77 Toluene	91	5.326	5.319	0.007	94	62502	5.00	4.42	
78 Epichlorohydrin	57	5.354	5.355	0.000	100	38696	100.0	97.7	
79 2-Nitropropane	41	5.584	5.584	0.000	97	7013	10.0	8.27	
80 Tetrachloroethene	166	5.748	5.748	0.000	95	11329	5.00	4.21	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
81 4-Methyl-2-pentanone (MIBK	43	5.799	5.799	0.000	98	95990	25.0	23.9	
82 trans-1,3-Dichloropropene	75	5.827	5.827	0.000	97	21406	5.00	4.48	
83 1,1,2-Trichloroethane	83	6.006	6.006	0.000	94	12583	5.00	4.82	
84 Ethyl methacrylate	69	6.092	6.078	0.014	88	19767	5.00	4.46	
85 Chlorodibromomethane	129	6.200	6.207	-0.007	97	13267	5.00	4.70	
86 1,3-Dichloropropane	76	6.321	6.322	-0.001	94	26668	5.00	5.10	
87 Ethylene Dibromide	107	6.450	6.450	0.000	98	14003	5.00	4.91	
88 n-Butyl acetate	43	6.801	6.794	0.007	98	26242	5.00	4.20	
89 2-Hexanone	43	6.866	6.866	0.000	97	68281	25.0	23.8	
* 90 Chlorobenzene-d5	117	7.145	7.152	-0.007	88	395865	50.0	50.0	
91 Chlorobenzene	112	7.174	7.167	0.007	91	39140	5.00	4.74	
92 Ethylbenzene	106	7.253	7.253	0.000	99	19153	5.00	4.49	
93 1,1,1,2-Tetrachloroethane	131	7.281	7.281	0.000	91	12016	5.00	4.71	
94 m-Xylene & p-Xylene	106	7.475	7.468	0.007	97	23871	5.00	4.35	
95 o-Xylene	106	8.062	8.055	0.007	93	23914	5.00	4.69	
96 Bromoform	173	8.127	8.127	0.000	93	7563	5.00	4.13	
97 Styrene	104	8.148	8.148	0.000	94	37551	5.00	4.60	
98 n-Butyl acrylate	73	8.470	8.470	0.000	96	10963	5.00	4.38	
99 Isopropylbenzene	105	8.549	8.549	0.000	97	52790	5.00	4.18	
100 Amyl acetate (mixed isomer	43	8.893	8.886	0.007	88	30026	5.00	4.36	
$ 101 4-Bromofluorobenzene	174	8.929	8.922	0.007	89	146265	50.0	51.2	
102 Bromobenzene	156	9.036	9.029	0.007	96	16486	5.00	5.16	
103 N-Propylbenzene	91	9.187	9.187	0.000	98	65491	5.00	4.23	
104 1,1,2,2-Tetrachloroethane	83	9.330	9.330	0.000	98	19128	5.00	4.79	
105 2-Chlorotoluene	91	9.359	9.359	0.000	97	50202	5.00	4.53	
106 4-Ethyltoluene	105	9.373	9.373	0.000	98	57668	5.00	4.44	
107 1,2,3-Trichloropropane	110	9.473	9.466	0.007	98	5555	5.00	5.07	
108 1,3,5-Trimethylbenzene	105	9.538	9.531	0.007	93	46473	5.00	4.41	
109 trans-1,4-Dichloro-2-buten	53	9.595	9.595	0.000	74	5460	5.00	4.52	
110 4-Chlorotoluene	91	9.631	9.631	0.000	98	46674	5.00	4.69	
111 tert-Butylbenzene	119	10.003	10.003	0.000	93	34264	5.00	4.00	
112 Butyl Methacrylate	87	10.132	10.132	0.000	54	14991	5.00	4.26	
118 1,2,4-Trimethylbenzene	105	10.132	10.132	0.000	96	49110	5.00	4.50	
113 sec-Butylbenzene	105	10.297	10.297	0.000	98	48477	5.00	3.76	
114 1,3-Dichlorobenzene	146	10.562	10.555	0.007	93	27511	5.00	4.44	
115 4-Isopropyltoluene	119	10.576	10.576	0.000	97	44088	5.00	4.04	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	97	196172	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.720	10.712	0.008	91	30214	5.00	4.74	
119 2,3-Dihydroindene	117	10.999	10.999	0.000	93	53772	5.00	4.76	
120 Benzyl chloride	91	11.171	11.164	0.007	96	31211	5.00	4.16	
121 p-Diethylbenzene	119	11.185	11.185	0.000	89	25632	5.00	4.08	
122 n-Butylbenzene	91	11.264	11.264	0.000	98	37856	5.00	3.59	
123 1,2-Dichlorobenzene	146	11.364	11.364	0.000	94	27396	5.00	4.58	
124 1,2,4,5-Tetramethylbenzene	119	12.252	12.253	-0.001	96	41424	5.00	4.19	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	90	3504	5.00	5.06	
126 1,3,5-Trichlorobenzene	180	12.446	12.446	0.000	95	19671	5.00	4.53	
127 1,2,4-Trichlorobenzene	180	13.105	13.105	0.000	93	17320	5.00	4.18	
128 Hexachlorobutadiene	225	13.119	13.119	0.000	94	6327	5.00	4.04	
129 Naphthalene	128	13.399	13.399	0.000	98	36273	5.00	3.72	
130 1,2,3-Trichlorobenzene	180	13.570	13.571	-0.001	94	17169	5.00	4.30	
S 131 1,2-Dichloroethene, Total	100				0		10.0	9.36	
S 134 1,3-Dichloropropene, Total	100				0		10.0	9.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 132 Xylenes, Total	100				0		10.0	9.05	
S 133 Total BTEX	1				0		25.0	22.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00161	Amount Added:	1.00	Units: uL	
MIX I Hi_00062	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00047	Amount Added:	1.00	Units: uL	
ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 19-Aug-2016 16:06:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Injection Date: 18-Aug-2016 17:04:30 Instrument ID: CVOAMS13 Operator ID:

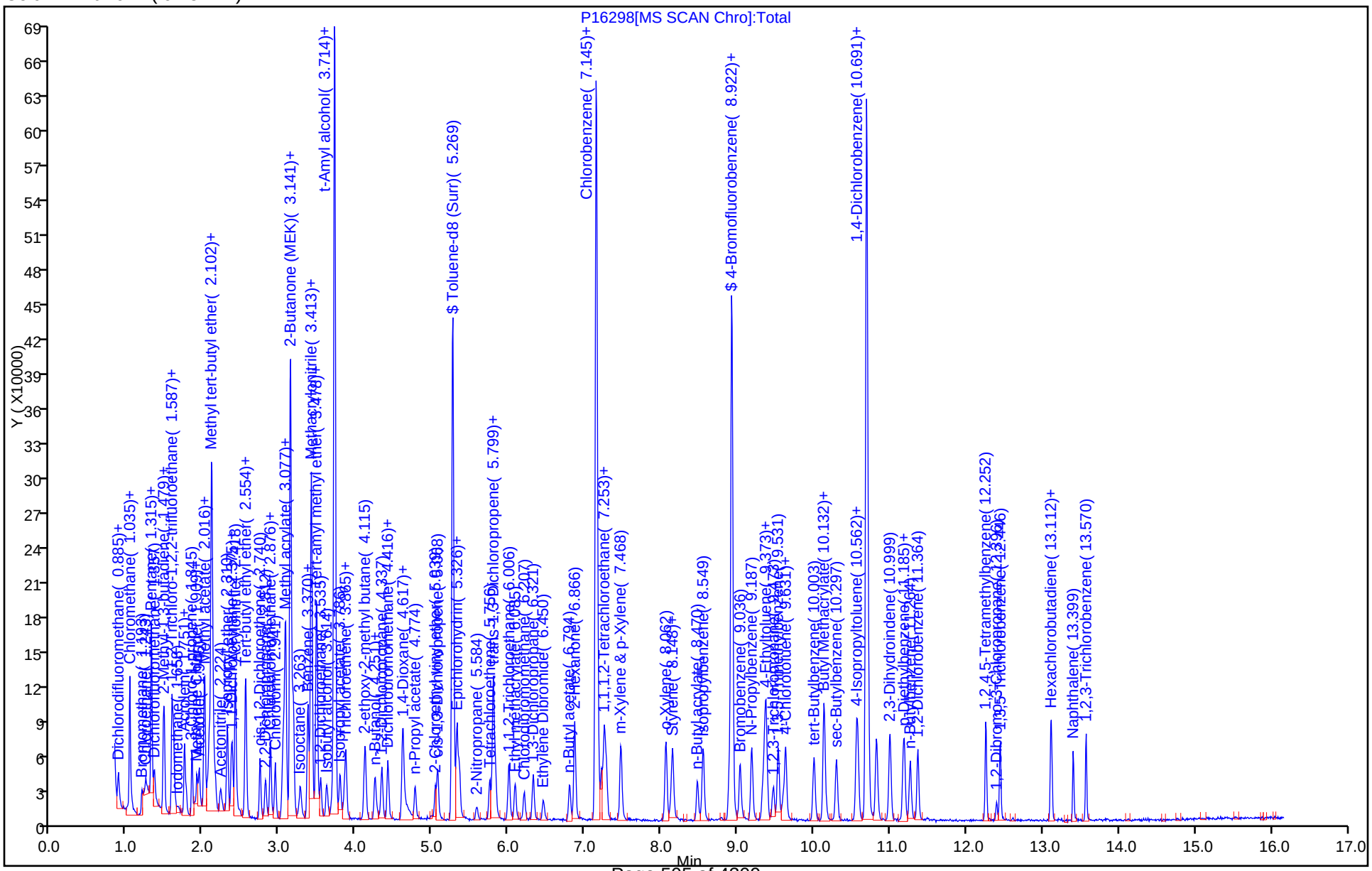
Lims ID: STD5 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

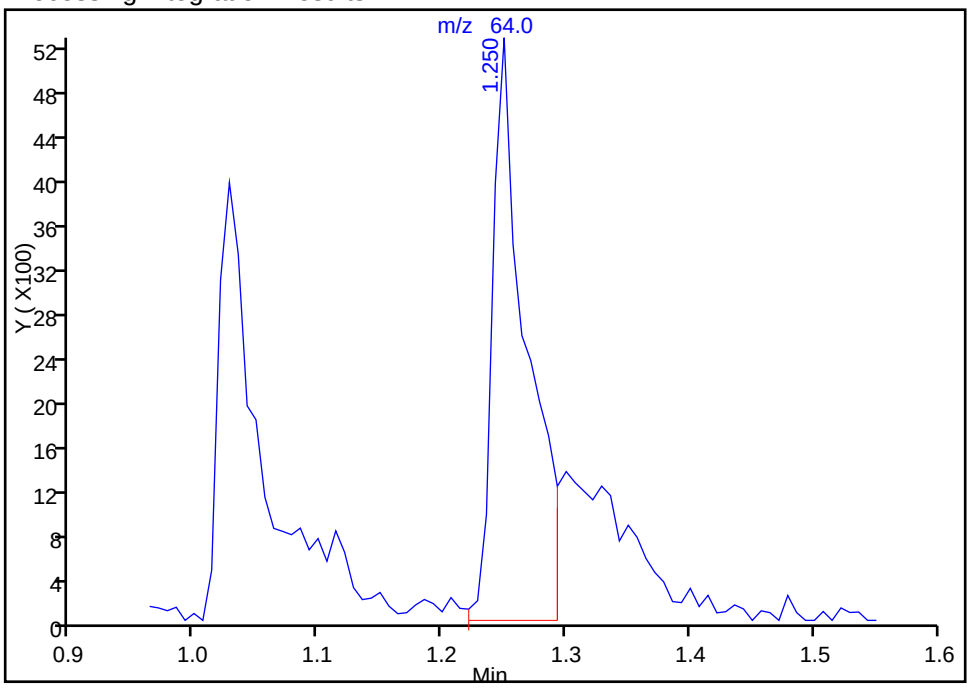
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D
Injection Date: 18-Aug-2016 17:04:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

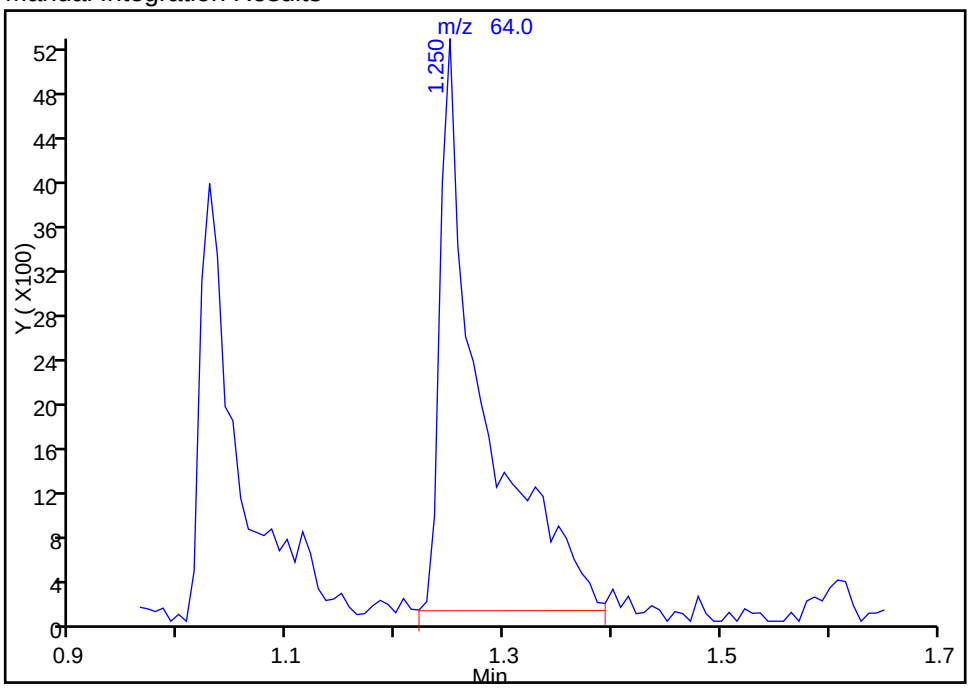
Processing Integration Results

RT: 1.25
Area: 10110
Amount: 4.444482
Amount Units: ug/l



Manual Integration Results

RT: 1.25
Area: 13876
Amount: 4.848548
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 15:21:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

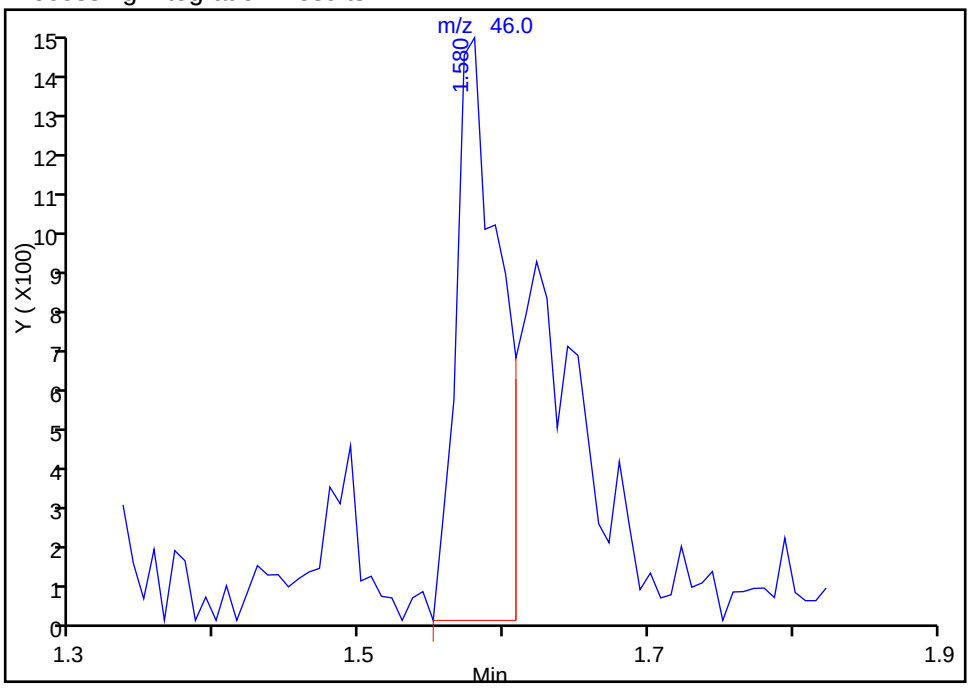
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D
Injection Date: 18-Aug-2016 17:04:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

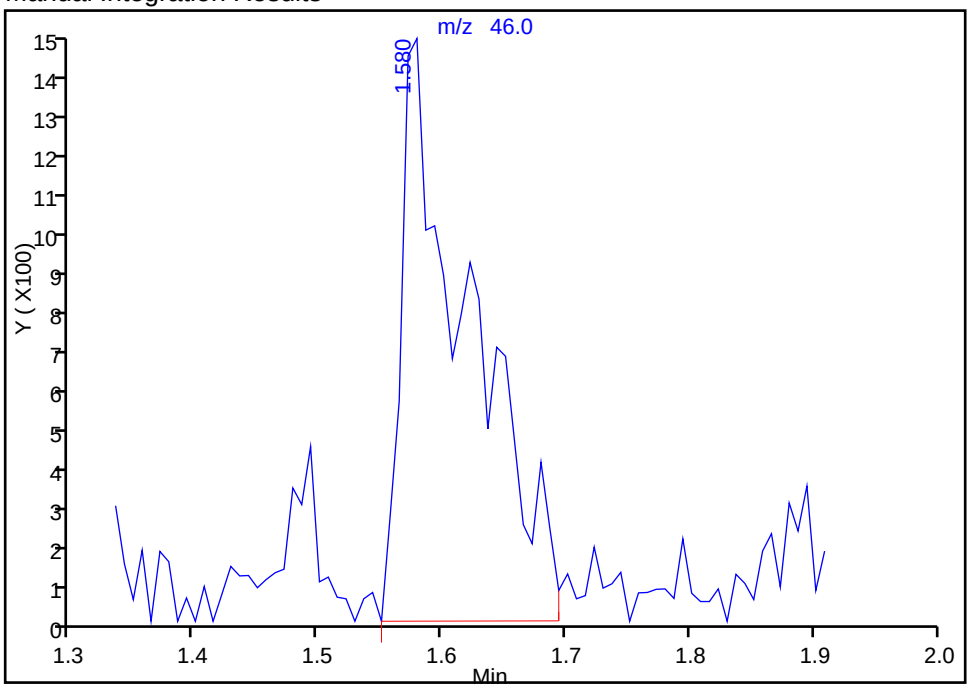
Processing Integration Results

RT: 1.58
Area: 3130
Amount: 112.0240
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 5695
Amount: 210.2040
Amount Units: ug/l



Reviewer: baronm, 19-Aug-2016 14:57:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-385437/11	D25068b.D
Level 2	STD5 460-385437/3	D25060.D
Level 3	STD20 460-385437/4	D25061.D
Level 4	STD50 460-385437/5	D25062.D
Level 5	STD200 460-385437/6	D25063.D
Level 6	STD500 460-385437/7	D25064.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.1192 0.1620	0.1465	0.2246	0.2036	0.1645	QuaF		0.1726	-0.000022						0.9990		0.9900
Dichlorodifluoromethane	0.3366 0.4671	0.3587	0.4738	0.4411	0.4783	Ave		0.4259			0.1000	14.6		20.0			
Chloromethane	0.5149 0.3971	0.3741	0.3811	0.3839	0.3792	Ave		0.4050			0.1000	13.4		20.0			
Vinyl chloride	0.3204 0.3382	0.2374	0.2838	0.3166	0.2812	Ave		0.2963			0.1000	12.3		20.0			
Butadiene	0.2101 0.1714	0.1413	0.1930	0.1728	0.1704	Ave		0.1765				13.2		20.0			
Bromomethane	0.3282 0.2887	0.2809	0.3026	0.3021	0.3043	Ave		0.3011			0.1000	5.4		20.0			
Chloroethane	0.1883 0.1688	0.1816	0.2027	0.1992	0.1810	Ave		0.1869			0.1000	6.7		20.0			
Dichlorofluoromethane	0.4298 0.4597	0.5123	0.5410	0.5221	0.4741	Ave		0.4898				8.6		20.0			
Trichlorofluoromethane	0.4171 0.3825	0.3884	0.4656	0.4437	0.3993	Ave		0.4161			0.1000	7.9		20.0			
Pentane	0.0425 0.0510	0.0547	0.0718	0.0659	0.0560	Ave		0.0570				18.4		20.0			
Ethyl ether	0.2590 0.2692	0.2809	0.2945	0.2937	0.2697	Ave		0.2778				5.2		20.0			
Ethanol	0.0169 0.0716	0.0671	0.0737	0.0718	0.0680	Lin2	-2.210	0.0733							0.9970		0.9900
2-Methyl-1,3-butadiene	0.2342 0.2930	0.2778	0.3603	0.3399	0.2991	Ave		0.3007				14.9		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	0.1945 0.1928	0.2259	0.2664	0.2410	0.2018	Ave		0.2204				13.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1092 0.1548	0.1639	0.2170	0.1962	0.1536	Qua2	-0.091	0.1986	-0.000104		0.1000				0.9900		0.9900

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrolein	1.4115 1.7134	1.8683	1.7982	1.8249	1.6867	Ave		1.7172				9.6		20.0			
1,1-Dichloroethene	0.2575 0.2683	0.3033	0.3490	0.3214	0.2825	Ave		0.2970			0.1000	11.6		20.0			
Acetone	1.7690 0.8379	1.1121	0.9406	0.9257	0.9368	Lin2	4.3779	0.9007			0.0500				0.9980		0.9900
Iodomethane	0.6399 0.5695	0.6389	0.6943	0.6481	0.5956	Ave		0.6311				6.9		20.0			
Carbon disulfide	0.9248 1.0864	1.0702	1.2520	1.1763	1.0958	Ave		1.1009			0.1000	10.0		20.0			
Isopropyl alcohol	1.1414 0.9086	0.8960	0.9432	0.9125	0.8610	Ave		0.9438				10.6		20.0			
Allyl chloride	0.1928 0.2785	0.2309	0.2418	0.2532	0.2557	Ave		0.2422				12.0		20.0			
Cyclopentene	0.6157 0.7692	0.7701	0.9627	0.8975	0.7844	Ave		0.7999				15.0		20.0			
Methyl acetate	0.2491 0.2376	0.2492	0.2564	0.2565	0.2287	Ave		0.2463			0.1000	4.5		20.0			
Acetonitrile	1.9000 1.3338	1.8511	1.8284	1.4445	1.5715	Ave		1.6549				14.4		20.0			
Methylene Chloride	0.4820 0.3336	0.4076	0.4094	0.3789	0.3413	Ave		0.3921			0.1000	13.9		20.0			
TBA	1.9180 1.2665	1.5176	1.3786	1.3361	1.2691	Ave		1.4476				17.1		20.0			
Methyl tert-butyl ether	0.7972 0.6905	0.7689	0.8234	0.8034	0.6811	Ave		0.7608			0.1000	8.0		20.0			
trans-1,2-Dichloroethene	0.3764 0.3488	0.3764	0.4008	0.3849	0.3471	Ave		0.3724			0.1000	5.6		20.0			
Acrylonitrile	4.3009 4.4355	4.5052	4.7995	4.5078	4.2961	Ave		4.4741				4.1		20.0			
Hexane	0.3311 0.5117	0.4142	0.5785	0.5567	0.5079	Ave		0.4834				19.4		20.0			
Isopropyl ether	0.9890 0.9704	1.1156	1.1998	1.1552	1.0066	Ave		1.0728				9.0		20.0			
1,1-Dichloroethane	0.6246 0.6388	0.6600	0.7264	0.6933	0.6310	Ave		0.6623			0.2000	6.0		20.0			
Vinyl acetate	0.0496 0.0581	0.0474	0.0540	0.0531	0.0548	Ave		0.0528				7.2		20.0			
2-Chloro-1,3-butadiene	0.2636 0.3016	0.2995	0.3434	0.3281	0.2922	Ave		0.3047				9.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tert-butyl ethyl ether	0.9467 0.7597	0.9109	0.9768	0.9460	0.7840	Ave		0.8873				10.4		20.0			
2,2-Dichloropropane	0.1635 0.1212	0.1401	0.1620	0.1479	0.1273	Ave		0.1437				12.2		20.0			
cis-1,2-Dichloroethene	0.4121 0.3788	0.4077	0.4287	0.4099	0.3733	Ave		0.4017			0.1000	5.3		20.0			
2-Butanone (MEK)	0.4521 0.3248	0.3420	0.3481	0.3458	0.3199	Ave		0.3554			0.0500	13.7		20.0			
Ethyl acetate	0.3472 0.2847	0.2990	0.3156	0.3020	0.2694	Ave		0.3030				8.8		20.0			
Methyl acrylate	0.2533 0.2598	0.2405	0.2560	0.2561	0.2232	Ave		0.2482				5.6		20.0			
Propionitrile	0.0438 0.0419	0.0441	0.0450	0.0453	0.0394	Ave		0.0433				5.2		20.0			
Tetrahydrofuran	0.5373 0.3549	0.3976	0.4004	0.3953	0.3541	Ave		0.4066				16.6		20.0			
Chlorobromomethane	0.2095 0.1878	0.1996	0.2115	0.2016	0.1867	Ave		0.1994				5.3		20.0			
Methacrylonitrile	0.1162 0.1136	0.1127	0.1216	0.1211	0.1067	Ave		0.1153				4.9		20.0			
Chloroform	0.6394 0.6054	0.6394	0.6891	0.6548	0.5945	Ave		0.6371			0.2000	5.4		20.0			
Cyclohexane	0.3382 0.4360	0.4738	0.6166	0.5559	0.4664	Qua2	-0.238	0.5702	-0.000297		0.1000				0.9930		0.9900
1,1,1-Trichloroethane	0.4746 0.4498	0.5095	0.5746	0.5301	0.4700	Ave		0.5014			0.1000	9.2		20.0			
Carbon tetrachloride	0.4156 0.4401	0.4494	0.5223	0.4975	0.4515	Ave		0.4627			0.1000	8.5		20.0			
1,1-Dichloropropene	0.4172 0.4793	0.4319	0.5049	0.4905	0.4561	Ave		0.4633				7.4		20.0			
Isobutyl alcohol	0.8136 0.8373	0.8164	0.9684	0.9149	0.8265	Ave		0.8628				7.4		20.0			
Benzene	1.6102 2.3083	1.6949	1.7989	1.7484	1.6183	Ave		1.7965			0.5000	14.5		20.0			
Tert-amyl methyl ether	1.1576 0.8910	1.0463	1.1102	1.1050	0.9386	Ave		1.0414				10.1		20.0			
Isopropyl acetate	0.8967 0.9363	0.8787	1.0367	1.0379	0.9242	Ave		0.9517				7.3		20.0			
1,2-Dichloroethane	0.4980 0.4348	0.4337	0.4551	0.4439	0.4133	Ave		0.4465			0.1000	6.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Heptane	0.1913 0.2882	0.2276	0.3160	0.3059	0.2851	Ave		0.2690				18.2		20.0			
n-Butanol	0.2790 0.3997	0.2754	0.3207	0.3356	0.3466	Ave		0.3262				14.2		20.0			
Trichloroethene	0.3496 0.3492	0.3207	0.3583	0.3548	0.3287	Ave		0.3436			0.2000	4.4		20.0			
Methylcyclohexane	0.4164 0.4975	0.4814	0.6679	0.6346	0.5455	Ave		0.5405			0.1000	17.7		20.0			
Ethyl acrylate	0.0189 0.0240	0.0200	0.0234	0.0247	0.0234	Ave		0.0224				10.6		20.0			
1,2-Dichloropropane	0.3073 0.3278	0.3179	0.3445	0.3374	0.3121	Ave		0.3245			0.1000	4.5		20.0			
Methyl methacrylate	0.0809 0.0769	0.0701	0.0772	0.0784	0.0724	Ave		0.0760				5.3		20.0			
1,4-Dioxane	1.3372 1.8303	1.5012	1.5546	1.4762	1.2562	Ave		1.4926				13.3		20.0			
Dibromomethane	0.2242 0.2036	0.2003	0.2198	0.2113	0.1959	Ave		0.2092				5.4		20.0			
n-Propyl acetate	0.4095 0.4199	0.3993	0.4222	0.4326	0.3884	Ave		0.4120				3.9		20.0			
Dichlorobromomethane	0.3966 0.4545	0.3864	0.4349	0.4351	0.4229	Ave		0.4217			0.2000	6.1		20.0			
2-Nitropropane	0.0779 0.0707	0.0564	0.0610	0.0634	0.0623	Ave		0.0653				11.8		20.0			
2-Chloroethyl vinyl ether	0.1309 0.1677	0.1339	0.1577	0.1643	0.1566	Ave		0.1518				10.3		20.0			
Epichlorohydrin	0.2990 0.2649	0.2556	0.2829	0.2884	0.2625	Ave		0.2756				6.2		20.0			
cis-1,3-Dichloropropene	0.5266 +++++	0.5525	0.6437	0.6549	0.6360	Ave		0.6028			0.2000	9.8		20.0			
4-Methyl-2-pentanone (MIBK)	2.9802 2.8226	2.9434	3.2043	3.1732	2.9087	Ave		3.0054			0.0500	5.0		20.0			
Toluene	1.9413 2.3257	1.7516	1.8511	1.7800	1.6340	Ave		1.8806			0.4000	12.8		20.0			
trans-1,3-Dichloropropene	0.4778 +++++	0.4625	0.5234	0.5474	0.5431	Ave		0.5109			0.1000	7.6		20.0			
Ethyl methacrylate	0.3265 0.3522	0.2892	0.3538	0.3613	0.3458	Ave		0.3381				7.9		20.0			
1,1,2-Trichloroethane	0.2772 0.3993	0.2858	0.3055	0.3014	0.2831	Ave		0.3087			0.1000	14.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrachloroethene	0.5362 0.6658	0.4708	0.5391	0.5192	0.4789	Ave		0.5350			0.2000	13.1		20.0			
1,3-Dichloropropane	0.5595 +++++	0.5279	0.5750	0.5752	0.5446	Ave		0.5564				3.7		20.0			
2-Hexanone	2.1677 1.5684	1.8039	2.0759	1.9865	1.8886	Ave		1.9152			0.0500	11.2		20.0			
n-Butyl acetate	0.0902 0.1097	0.0844	0.1003	0.0979	0.0883	Ave		0.0951				9.8		20.0			
Chlorodibromomethane	0.3665 0.5635	0.3781	0.4228	0.4369	0.4319	Ave		0.4333			0.1000	16.2		20.0			
Ethylene Dibromide	0.3402 0.4243	0.3368	0.3587	0.3616	0.3418	Ave		0.3606			0.1000	9.1		20.0			
Chlorobenzene	1.2394 1.1283	1.1259	1.1958	1.1579	1.0707	Ave		1.1530			0.5000	5.1		20.0			
Ethylbenzene	0.6441 0.6273	0.5794	0.6554	0.6373	0.5792	Ave		0.6205			0.1000	5.3		20.0			
1,1,1,2-Tetrachloroethane	0.4455 0.4935	0.4217	0.4692	0.4703	0.4482	Ave		0.4581				5.4		20.0			
m-Xylene & p-Xylene	0.8530 0.7504	0.7192	0.8023	0.7758	0.7001	Ave		0.7668			0.1000	7.3		20.0			
n-Butyl acrylate	0.2421 0.3155	0.2159	0.2598	0.2731	0.2622	Ave		0.2614				12.7		20.0			
o-Xylene	0.7626 0.7677	0.7222	0.8238	0.8032	0.7385	Ave		0.7697			0.3000	5.0		20.0			
Styrene	1.1646 1.1867	1.0839	1.2639	1.2475	1.1462	Ave		1.1821			0.3000	5.6		20.0			
Amyl acetate (mixed isomers)	0.9714 1.2049	1.3139	1.2856	1.4785	1.5421	Ave		1.2994				15.7		20.0			
Bromoform	0.3098 0.3691	0.2502	0.2806	0.2879	0.2883	Ave		0.2977			0.1000	13.4		20.0			
Isopropylbenzene	1.8768 1.9821	1.8453	2.1923	2.1549	1.9703	Ave		2.0036			0.1000	7.1		20.0			
Bromobenzene	1.0606 0.9897	1.1034	1.0061	1.0854	1.1522	Ave		1.0663				5.7		20.0			
1,1,2,2-Tetrachloroethane	0.8068 0.8573	1.0042	0.8723	0.9713	1.0377	Ave		0.9249			0.3000	10.0		20.0			
N-Propylbenzene	3.7962 4.4283	4.8726	4.6920	5.1050	5.3621	Ave		4.7093				11.7		20.0			
1,2,3-Trichloropropane	0.2506 0.2490	0.3022	0.2678	0.2852	0.2978	Ave		0.2754				8.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
trans-1,4-Dichloro-2-butene	0.2167 0.2593	0.2790	0.2556	0.2804	0.3061	Ave		0.2662				11.3		20.0			
4-Ethyltoluene	3.3008 3.4103	4.0710	3.8814	4.2110	4.0878	Ave		3.8271				10.0		20.0			
2-Chlorotoluene	2.7297 2.9712	3.4418	3.1279	3.3731	3.5115	Ave		3.1925				9.5		20.0			
1,3,5-Trimethylbenzene	2.7142 3.3179	3.4550	3.2898	3.5896	3.8230	Ave		3.3649				11.1		20.0			
4-Chlorotoluene	2.4208 2.4730	2.9543	2.6821	2.8742	2.9515	Ave		2.7260				8.7		20.0			
Butyl Methacrylate	0.7642 0.9919	0.9562	0.9623	1.1199	1.1367	Ave		0.9885				13.7		20.0			
tert-Butylbenzene	2.0601 2.6553	2.2605	2.5804	2.6739	2.9456	Ave		2.5293				12.6		20.0			
1,2,4-Trimethylbenzene	2.8336 2.7038	2.6510	3.3508	3.3841	3.4168	Ave		3.0567				11.9		20.0			
sec-Butylbenzene	3.2999 3.4460	3.1483	4.2338	3.6088	3.7659	Ave		3.5838				10.8		20.0			
4-Isopropyltoluene	2.9845 3.3292	2.8483	3.6794	3.5100	3.3718	Ave		3.2872				9.6		20.0			
1,3-Dichlorobenzene	2.0390 1.6240	1.7474	1.9045	1.8141	1.6559	Ave		1.7975			0.6000	8.7		20.0			
1,4-Dichlorobenzene	2.1380 1.6842	1.7470	1.8932	1.8181	1.6652	Ave		1.8243			0.5000	9.6		20.0			
Benzyl chloride	0.2478 0.3233	0.2446	0.3038	0.3086	0.3530	Ave		0.2969				14.4		20.0			
Indan	1.5410 0.9630	1.0626	1.5854	1.1826	1.1255	QuaF		1.2388	-0.000552						1.0000		0.9900
p-Diethylbenzene	1.9954 1.7276	1.8469	2.2881	2.0255	2.1220	Ave		2.0009				9.9		20.0			
n-Butylbenzene	1.6677 1.4944	1.5744	1.9830	1.8091	1.9247	Ave		1.7422				11.2		20.0			
1,2-Dichlorobenzene	2.0193 1.6156	1.8715	1.8618	1.7459	1.7833	Ave		1.8162			0.4000	7.5		20.0			
1,2,4,5-Tetramethylbenzene	3.1036 3.0227	2.6081	3.2954	3.1196	3.1569	Ave		3.0510				7.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1938 0.2190	0.1858	0.1973	0.1921	0.2239	Ave		0.2020			0.0500	7.7		20.0			
1,3,5-Trichlorobenzene	1.9734 1.2123	1.6282	1.6773	1.5244	1.3615	Ave		1.5628				16.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trichlorobenzene	1.8369 1.3563	1.3523	1.5015	1.5055	1.6120	Ave		1.5274			0.2000	11.9		20.0			
Hexachlorobutadiene	0.8312 0.8526	0.7039	0.8200	0.7632	0.8883	Ave		0.8098				8.2		20.0			
Naphthalene	3.5625 3.0986	2.5800	2.9924	2.9515	2.8952	Ave		3.0134				10.6		20.0			
1,2,3-Trichlorobenzene	1.9340 1.5601	1.4414	1.4152	1.2926	1.5101	Ave		1.5256				14.4		20.0			
Dibromofluoromethane (Surr)	0.2830 0.2878	0.2995	0.3127	0.3073	0.3011	Ave		0.2985				3.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2723 0.3162	0.2951	0.3068	0.3052	0.3101	Ave		0.3010				5.2		20.0			
Toluene-d8 (Surr)	1.1782 1.7285	1.2896	1.3504	1.3224	1.3068	Ave		1.3626				13.9		20.0			
4-Bromofluorobenzene	0.7338 0.7774	0.9597	0.8249	0.8887	1.0181	Ave		0.8671				12.6		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-385437/11	D25068b.D
Level 2	STD5 460-385437/3	D25060.D
Level 3	STD20 460-385437/4	D25061.D
Level 4	STD50 460-385437/5	D25062.D
Level 5	STD200 460-385437/6	D25063.D
Level 6	STD500 460-385437/7	D25064.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	QuaF	1049 1128286	9809	57769	136871	449519	1.00 500	5.00	20.0	50.0	200
Dichlorodifluoromethane	FB	Ave	2963 3253536	24025	121840	296587	1307433	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	4533 2765751	25057	98009	258074	1036453	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	2821 2355486	15898	72985	212838	768677	1.00 500	5.00	20.0	50.0	200
Butadiene	FB	Ave	1850 1194098	9461	49638	116170	465680	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	2889 2010800	18811	77827	203079	831678	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	1658 1175719	12161	52118	133929	494626	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	Ave	3784 3201981	34311	139140	351012	1295841	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	3672 2663930	26014	119750	298313	1091319	1.00 500	5.00	20.0	50.0	200
Pentane	FB	Ave	749 710735	7321	36922	88561	306276	2.00 1000	10.0	40.0	100	400
Ethyl ether	FB	Ave	2280 1874828	18815	75736	197451	737212	1.00 500	5.00	20.0	50.0	200
Ethanol	TBAd9	Lin2	162 494691	4749	19365	51581	187192	40.0 20000	200	800	2000	8000
2-Methyl-1,3-butadiene	FB	Ave	2062 2041212	18605	92674	228540	817485	1.00 500	5.00	20.0	50.0	200
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	1712 1342945	15128	68519	162005	551596	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Qua2	961 1078084	10975	55796	131878	419757	1.00 500	5.00	20.0	50.0	200
Acrolein	TBAd9	Ave	33735 354918	132154	177102	262290	290239	100 600	200	300	400	500

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	2267 1868964	20312	89754	216071	772039	1.00 500	5.00	20.0	50.0	200
Acetone	BUT	Lin2	6930 3243620	37403	123623	326696	1374796	5.00 2500	25.0	100	250	1000
Iodomethane	FB	Ave	5633 3966743	42786	178571	435724	1628060	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	8141 7567113	71672	321975	790818	2995007	1.00 500	5.00	20.0	50.0	200
Isopropyl alcohol	TBAd9	Ave	2728 1568492	15844	61932	163938	592610	10.0 5000	50.0	200	500	2000
Allyl chloride	FB	Ave	1697 1940047	15462	62196	170254	698804	1.00 500	5.00	20.0	50.0	200
Cyclopentene	FB	Ave	5420 5357587	51575	247588	603400	2143933	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	10965 8276009	83442	329760	862104	3125653	5.00 2500	25.0	100	250	1000
Acetonitrile	TBAd9	Ave	4541 2302499	32734	120054	259523	1081685	10.0 5000	50.0	200	500	2000
Methylene Chloride	FB	Ave	4243 2323590	27295	105296	254756	932919	1.00 500	5.00	20.0	50.0	200
TBA	TBAd9	Ave	4584 2186246	26836	90516	240037	873543	10.0 5000	50.0	200	500	2000
Methyl tert-butyl ether	FB	Ave	7018 4809939	51496	211758	540158	1861709	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	3314 2429878	25209	103088	258785	948721	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	TBAd9	Ave	10279 7656650	79667	315133	809862	2957024	10.0 5000	50.0	200	500	2000
Hexane	FB	Ave	2915 3564381	27738	148774	374261	1388301	1.00 500	5.00	20.0	50.0	200
Isopropyl ether	FB	Ave	8707 6759481	74716	308555	776680	2751387	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	5499 4449652	44202	186805	466084	1724570	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	874 808800	6347	27771	71430	299550	2.00 1000	10.0	40.0	100	400
2-Chloro-1,3-butadiene	FB	Ave	2321 2100717	20059	88304	220588	798744	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	8334 5291366	61006	251212	635975	2142917	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	1439 844380	9382	41673	99433	347891	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,2-Dichloroethene	FB	Ave	3628 2638357	27303	110242	275566	1020459	1.00 500	5.00	20.0	50.0	200
2-Butanone (MEK)	BUT	Ave	1771 1257153	11501	45756	122038	469517	5.00 2500	25.0	100	250	1000
Ethyl acetate	BUT	Ave	544 440747	4023	16590	42627	158112	2.00 1000	10.0	40.0	100	400
Methyl acrylate	FB	Ave	2230 1809552	16108	65847	172189	610088	1.00 500	5.00	20.0	50.0	200
Propionitrile	FB	Ave	3856 2915839	29564	115853	304686	1077228	10.0 5000	50.0	200	500	2000
Tetrahydrofuran	BUT	Ave	842 549580	5349	21052	55809	207840	2.00 1000	10.0	40.0	100	400
Chlorobromomethane	FB	Ave	1844 1308258	13366	54402	135508	510201	1.00 500	5.00	20.0	50.0	200
Methacrylonitrile	FB	Ave	10226 7912002	75470	312612	814099	2916053	10.0 5000	50.0	200	500	2000
Chloroform	FB	Ave	5629 4216871	42822	177232	440201	1624949	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Qua2	2977 3037107	31729	158580	373725	1274682	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	4178 3132817	34123	147787	356396	1284703	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	3659 3065717	30097	134334	334461	1234043	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	3673 3338292	28923	129843	329775	1246548	1.00 500	5.00	20.0	50.0	200
Isobutyl alcohol	TBAd9	Ave	4861 3613384	36091	158966	410927	1422182	25.0 12500	125	500	1250	5000
Benzene	CBNZd5	Ave	11252 8889208	86400	358931	900384	3366407	1.00 500	5.00	20.0	50.0	200
Tert-amyl methyl ether	FB	Ave	10191 6205901	70073	285513	742899	2565427	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	7894 6521424	58846	266608	697821	2526149	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	4384 3028226	29045	117030	298422	1129796	1.00 500	5.00	20.0	50.0	200
n-Heptane	FB	Ave	1684 2007202	15244	81274	205691	779163	1.00 500	5.00	20.0	50.0	200
n-Butanol	TBAd9	Ave	1667 1724954	12173	52639	150738	596341	25.0 12500	125	500	1250	5000
Trichloroethene	FB	Ave	3078 2432111	21481	92154	238542	898523	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methylcyclohexane	FB	Ave	3666 3465224	32239	171759	426661	1490991	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	166 166908	1339	6029	16626	63868	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	2705 2283506	21291	88602	226817	853111	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	1425 1070977	9391	39722	105421	395921	2.00 1000	10.0	40.0	100	400
1,4-Dioxane	DXE	Ave	558 448180	4438	18508	48319	178213	20.0 10000	100	400	1000	4000
Dibromomethane	FB	Ave	1974 1418173	13413	56522	142038	535428	1.00 500	5.00	20.0	50.0	200
n-Propyl acetate	FB	Ave	3605 2925088	26744	108568	290875	1061675	1.00 500	5.00	20.0	50.0	200
Dichlorobromomethane	FB	Ave	3491 3165707	25876	111834	292499	1156027	1.00 500	5.00	20.0	50.0	200
2-Nitropropane	FB	Ave	1372 984805	7560	31387	85206	340732	2.00 1000	10.0	40.0	100	400
2-Chloroethyl vinyl ether	FB	Ave	1152 1167932	8967	40550	110457	428147	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	BUT	Ave	4686 4101864	34393	148751	407100	1540812	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBNZ d5	Ave	3680 +++++	28167	128446	337262	1322961	1.00 +++++	5.00	20.0	50.0	200
4-Methyl-2-pentanone (MIBK)	BUT	Ave	11675 10925931	98995	421137	1119899	4268584	5.00 2500	25.0	100	250	1000
Toluene	CBNZ d5	Ave	13566 8956255	89291	369339	916640	3399169	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBNZ d5	Ave	3339 +++++	23577	104442	281878	1129852	1.00 +++++	5.00	20.0	50.0	200
Ethyl methacrylate	FB	Ave	2874 2453028	19370	90985	242936	945170	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBNZ d5	Ave	1937 1537697	14568	60946	155206	588940	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBNZ d5	Ave	3747 2563808	24002	107573	267388	996297	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBNZ d5	Ave	3910 +++++	26909	114719	296209	1132810	1.00 +++++	5.00	20.0	50.0	200
2-Hexanone	BUT	Ave	8492 6071036	60671	272834	701089	2771467	5.00 2500	25.0	100	250	1000
n-Butyl acetate	CBNZ d5	Ave	630 422272	4304	20013	50438	183685	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorodibromomethane	CBNZ d5	Ave	2561 2169924	19277	84365	225004	898511	1.00 500	5.00	20.0	50.0	200
Ethylene Dibromide	CBNZ d5	Ave	2377 1633805	17171	71564	186217	711107	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBNZ d5	Ave	8661 4345207	57397	238591	596269	2227290	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBNZ d5	Ave	4501 2415855	29537	130774	328213	1204863	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3113 1900370	21498	93622	242194	932369	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBNZ d5	Ave	5961 2889870	36662	160082	399536	1456408	1.00 500	5.00	20.0	50.0	200
n-Butyl acrylate	CBNZ d5	Ave	1692 1214871	11007	51840	140645	545438	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBNZ d5	Ave	5329 2956346	36817	164370	413622	1536281	1.00 500	5.00	20.0	50.0	200
Styrene	CBNZ d5	Ave	8138 4569819	55256	252185	642425	2384418	1.00 500	5.00	20.0	50.0	200
Amyl acetate (mixed isomers)	DCBd 4	Ave	4191 2900961	30912	143883	380627	1395484	1.00 500	5.00	20.0	50.0	200
Bromoform	CBNZ d5	Ave	2165 1421568	12754	55996	148269	599636	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBNZ d5	Ave	13115 7632868	94067	437427	1109697	4098620	1.00 500	5.00	20.0	50.0	200
Bromobenzene	DCBd 4	Ave	4576 2382959	25961	112603	279436	1042608	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3481 2064111	23627	97626	250046	939043	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCBd 4	Ave	16378 10662082	114638	525125	1314226	4852192	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCBd 4	Ave	1081 599461	7110	29977	73412	269494	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	935 624428	6564	28609	72176	276973	1.00 500	5.00	20.0	50.0	200
4-Ethyltoluene	DCBd 4	Ave	14241 8211102	95780	434407	1084094	3699055	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCBd 4	Ave	11777 7153849	80976	350078	868371	3177607	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCBd 4	Ave	11710 7988682	81287	368200	924104	3459489	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCBd 4	Ave	10444 5954285	69507	300182	739930	2670829	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Butyl Methacrylate	DCBd 4	Ave	3297 2388164	22496	107696	288308	1028607	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCBd 4	Ave	8888 6393297	53183	288798	688384	2665500	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCBd 4	Ave	12225 6510051	62371	375017	871194	3091879	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCBd 4	Ave	14237 8297107	74072	473848	929042	3407793	1.00 500	5.00	20.0	50.0	200
4-Isopropyltoluene	DCBd 4	Ave	12876 8015734	67012	411799	903612	3051153	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCBd 4	Ave	8797 3910244	41111	213152	467028	1498403	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCBd 4	Ave	9224 4055050	41103	211886	468045	1506802	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCBd 4	Ave	1069 778500	5754	34006	79452	319417	1.00 500	5.00	20.0	50.0	200
Indan	FB	QuaF	13566 6707753	71167	407741	795060	3076434	1.00 500	5.00	20.0	50.0	200
p-Diethylbenzene	DCBd 4	Ave	8609 4159491	43452	256081	521448	1920232	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCBd 4	Ave	7195 3598186	37041	221938	465749	1741675	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCBd 4	Ave	8712 3889959	44031	208378	449462	1613714	1.00 500	5.00	20.0	50.0	200
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	13390 7277755	61362	368820	803108	2856686	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	836 527236	4372	22086	49465	202628	1.00 500	5.00	20.0	50.0	200
1,3,5-Trichlorobenzene	DCBd 4	Ave	8514 2918969	38306	187720	392433	1232033	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCBd 4	Ave	7925 3265516	31815	168045	387585	1458693	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCBd 4	Ave	3586 2052863	16561	91772	196468	803795	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCBd 4	Ave	15370 7460539	60701	334906	759832	2619891	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCBd 4	Ave	8344 3756296	33912	158394	332780	1366469	1.00 500	5.00	20.0	50.0	200
Dibromofluoromethane (Surr)	FB	Ave	124564 200442	200576	201035	206569	205758	50.0 50.0	50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	119875 220226	197646	197229	205181	211928	50.0 50.0	50.0	50.0	50.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 385437

SDG No.:

Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/18/2016 01:53 Calibration End Date: 08/18/2016 06:20 Calibration ID: 57280

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBNZ d5	Ave	411652 665640	657421	673615	680985	679586	50.0 50.0	50.0	50.0	50.0	50.0
4-Bromofluorobenzene	DCBd 4	Ave	158292 187183	225798	230821	228775	230326	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25060.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Aug-2016 01:53:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0044588-003
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Aug-2016 13:36:45 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: tupayachia Date: 18-Aug-2016 04:24:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.509	1.521	-0.012	54	9809	5.00	4.24	
2 Dichlorodifluoromethane	85	1.539	1.545	-0.006	97	24025	5.00	4.21	
3 Chloromethane	50	1.752	1.753	-0.001	99	25057	5.00	4.62	
4 Vinyl chloride	62	1.826	1.826	0.000	97	15898	5.00	4.01	
5 Butadiene	54	1.862	1.869	-0.006	96	9461	5.00	4.00	
6 Bromomethane	94	2.185	2.192	-0.007	97	18811	5.00	4.66	
7 Chloroethane	64	2.283	2.289	-0.006	99	12161	5.00	4.86	
8 Dichlorofluoromethane	67	2.502	2.509	-0.007	95	34311	5.00	5.23	
9 Trichlorofluoromethane	101	2.496	2.509	-0.013	79	26014	5.00	4.67	
10 Pentane	72	2.557	2.563	-0.006	96	7321	10.0	9.59	
11 Ethyl ether	59	2.801	2.807	-0.006	92	18815	5.00	5.06	
12 Ethanol	46	2.807	2.813	-0.006	71	4749	200.0	213.3	
13 2-Methyl-1,3-butadiene	53	2.819	2.826	-0.007	96	18605	5.00	4.62	
14 1,2-Dichloro-1,1,2-trifluo	117	2.862	2.874	-0.012	95	15128	5.00	5.12	
15 1,1,2-Trichloro-1,2,2-trif	101	3.008	3.009	-0.001	31	10975	5.00	4.60	
16 Acrolein	56	3.008	3.015	-0.007	96	132154	200.0	217.6	
17 1,1-Dichloroethene	96	3.039	3.045	-0.006	98	20312	5.00	5.11	
18 Acetone	43	3.161	3.167	-0.006	86	37403	25.0	26.0	
19 Iodomethane	142	3.209	3.222	-0.013	99	42786	5.00	5.06	
20 Carbon disulfide	76	3.252	3.252	0.000	100	71672	5.00	4.86	
21 Isopropyl alcohol	45	3.295	3.307	-0.012	98	15844	50.0	47.5	
22 3-Chloro-1-propene	76	3.429	3.435	-0.006	86	15462	5.00	4.77	
23 Cyclopentene	67	3.447	3.454	-0.007	91	51575	5.00	4.81	
24 Methyl acetate	43	3.453	3.460	-0.007	100	83442	25.0	25.3	
25 Acetonitrile	41	3.533	3.533	0.000	99	32734	50.0	55.9	
26 Methylene Chloride	84	3.587	3.588	-0.001	95	27295	5.00	5.20	
* 27 TBA-d9 (IS)	65	3.600	3.612	-0.012	39	353668	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.685	3.691	-0.006	94	26836	50.0	52.4	
29 Methyl tert-butyl ether	73	3.782	3.789	-0.007	97	51496	5.00	5.05	
30 trans-1,2-Dichloroethene	96	3.813	3.819	-0.006	97	25209	5.00	5.05	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.911	3.911	0.000	94	79667	50.0	50.3	
32 Hexane	57	4.008	4.014	-0.006	95	27738	5.00	4.28	
33 Isopropyl ether	45	4.276	4.277	-0.001	96	74716	5.00	5.20	
34 1,1-Dichloroethane	63	4.295	4.301	-0.006	99	44202	5.00	4.98	
35 Vinyl acetate	86	4.331	4.331	0.000	100	6347	10.0	8.97	
36 2-Chloro-1,3-butadiene	88	4.349	4.356	-0.007	91	20059	5.00	4.91	
37 Tert-butyl ethyl ether	59	4.654	4.661	-0.007	89	61006	5.00	5.13	
* 38 2-Butanone-d5	46	4.892	4.898	-0.006	0	336334	250.0	250.0	
39 2,2-Dichloropropane	79	4.898	4.904	-0.006	50	9382	5.00	4.88	
40 cis-1,2-Dichloroethene	96	4.935	4.935	0.000	99	27303	5.00	5.07	
41 2-Butanone (MEK)	72	4.965	4.972	-0.007	97	11501	25.0	24.1	
42 Ethyl acetate	70	4.971	4.984	-0.013	95	4023	10.0	9.87	
43 Methyl acrylate	55	5.032	5.039	-0.007	89	16108	5.00	4.85	
44 Propionitrile	54	5.124	5.130	-0.006	98	29564	50.0	51.0	
45 Tetrahydrofuran	72	5.209	5.209	0.000	59	5349	10.0	9.78	
46 Chlorobromomethane	128	5.209	5.215	-0.006	92	13366	5.00	5.00	
47 Methacrylonitrile	67	5.246	5.246	0.000	94	75470	50.0	48.9	
48 Chloroform	83	5.282	5.289	-0.007	99	42822	5.00	5.02	
49 Cyclohexane	56	5.422	5.423	-0.001	93	31729	5.00	4.58	
50 1,1,1-Trichloroethane	97	5.447	5.447	0.000	98	34123	5.00	5.08	
$ 51 Dibromofluoromethane (Surr	113	5.471	5.478	-0.007	97	200576	50.0	50.2	
52 Carbon tetrachloride	117	5.587	5.593	-0.006	97	30097	5.00	4.86	
53 1,1-Dichloropropene	75	5.624	5.630	-0.006	96	28923	5.00	4.66	
54 Isobutyl alcohol	43	5.831	5.837	-0.006	29	36091	125.0	118.3	
55 Benzene	78	5.867	5.874	-0.007	96	86400	5.00	4.72	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	99	197646	50.0	49.0	
57 Tert-amyl methyl ether	73	5.965	5.965	0.000	84	70073	5.00	5.02	
58 Isopropyl acetate	43	5.971	5.971	0.000	93	58846	5.00	4.62	
59 1,2-Dichloroethane	62	5.983	5.990	-0.007	96	29045	5.00	4.86	
60 n-Heptane	57	6.075	6.087	-0.012	95	15244	5.00	4.23	
* 61 Fluorobenzene	96	6.227	6.234	-0.007	98	669721	50.0	50.0	
62 n-Butanol	56	6.636	6.642	-0.006	91	12173	125.0	105.5	
63 Trichloroethene	95	6.660	6.666	-0.006	96	21481	5.00	4.67	
64 Methylcyclohexane	83	6.806	6.807	-0.001	93	32239	5.00	4.45	
65 Ethyl acrylate	73	6.837	6.831	0.006	97	1339	5.00	4.46	
66 1,2-Dichloropropane	63	6.995	6.996	-0.001	88	21291	5.00	4.90	
* 67 1,4-Dioxane-d8	96	7.062	7.069	-0.007	0	29563	1000.0	1000.0	
68 Methyl methacrylate	100	7.099	7.099	0.000	92	9391	10.0	9.23	
69 1,4-Dioxane	88	7.123	7.124	-0.001	43	4438	100.0	100.6	
70 Dibromomethane	93	7.135	7.136	-0.001	93	13413	5.00	4.79	
71 n-Propyl acetate	43	7.166	7.166	0.000	99	26744	5.00	4.85	
72 Dichlorobromomethane	83	7.294	7.300	-0.006	98	25876	5.00	4.58	
73 2-Nitropropane	41	7.623	7.630	-0.007	89	7560	10.0	8.64	
74 2-Chloroethyl vinyl ether	63	7.635	7.636	-0.001	87	8967	5.00	4.41	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	34393	100.0	92.8	
76 cis-1,3-Dichloropropene	75	7.770	7.776	-0.006	95	28167	5.00	4.58	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	99	98995	25.0	24.5	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	99	657421	50.0	47.3	
79 Toluene	91	8.050	8.050	0.000	94	89291	5.00	4.66	
80 trans-1,3-Dichloropropene	75	8.330	8.337	-0.007	97	23577	5.00	4.53	
81 Ethyl methacrylate	69	8.355	8.361	-0.006	93	19370	5.00	4.28	
82 1,1,2-Trichloroethane	83	8.495	8.501	-0.006	95	14568	5.00	4.63	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.532	8.532	0.000	97	24002	5.00	4.40	
84 1,3-Dichloropropane	76	8.647	8.654	-0.007	94	26909	5.00	4.74	
85 2-Hexanone	43	8.696	8.696	0.000	98	60671	25.0	23.5	
86 n-Butyl acetate	73	8.775	8.776	-0.001	98	4304	5.00	4.44	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	19277	5.00	4.36	
88 Ethylene Dibromide	107	8.928	8.928	0.000	97	17171	5.00	4.67	
* 89 Chlorobenzene-d5	117	9.288	9.288	0.000	86	509772	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	95	57397	5.00	4.88	
91 Ethylbenzene	106	9.373	9.373	0.000	99	29537	5.00	4.67	
92 1,1,1,2-Tetrachloroethane	131	9.385	9.391	-0.006	93	21498	5.00	4.60	
93 m-Xylene & p-Xylene	106	9.470	9.471	-0.001	99	36662	5.00	4.69	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	11007	5.00	4.13	
95 o-Xylene	106	9.794	9.794	0.000	93	36817	5.00	4.69	
96 Styrene	104	9.812	9.812	0.000	95	55256	5.00	4.58	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	90	30912	5.00	5.06	
98 Bromoform	173	9.983	9.983	-0.001	97	12754	5.00	4.20	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	94067	5.00	4.60	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	96	225798	50.0	55.3	
101 Bromobenzene	156	10.330	10.330	0.000	93	25961	5.00	5.17	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	97	23627	5.00	5.43	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	114638	5.00	5.17	
104 1,2,3-Trichloropropane	110	10.385	10.385	0.000	97	7110	5.00	5.49	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	85	6564	5.00	5.24	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	95780	5.00	5.32	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	80976	5.00	5.39	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	81287	5.00	5.13	
109 4-Chlorotoluene	91	10.543	10.544	-0.001	97	69507	5.00	5.42	
110 Butyl Methacrylate	87	10.556	10.556	0.000	93	22496	5.00	4.84	
111 tert-Butylbenzene	119	10.732	10.733	-0.001	95	53183	5.00	4.47	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	97	62371	5.00	4.34	
113 sec-Butylbenzene	105	10.885	10.891	-0.006	99	74072	5.00	4.39	
114 4-Isopropyltoluene	119	10.988	10.989	-0.001	98	67012	5.00	4.33	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	98	41111	5.00	4.86	
* 116 1,4-Dichlorobenzene-d4	152	11.055	11.056	-0.001	94	235273	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	97	41103	5.00	4.79	
118 Benzyl chloride	126	11.177	11.178	-0.001	99	5754	5.00	4.12	
119 2,3-Dihydroindene	117	11.232	11.233	-0.001	94	71167	5.00	4.30	
120 p-Diethylbenzene	119	11.257	11.257	0.000	94	43452	5.00	4.62	
121 n-Butylbenzene	92	11.275	11.275	0.000	98	37041	5.00	4.52	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	98	44031	5.00	5.15	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	98	61362	5.00	4.27	
124 1,2-Dibromo-3-Chloropropan	157	11.958	11.958	0.000	93	4372	5.00	4.60	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	97	38306	5.00	5.21	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	93	31815	5.00	4.43	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	97	16561	5.00	4.35	
128 Naphthalene	128	12.951	12.952	-0.001	99	60701	5.00	4.28	
129 1,2,3-Trichlorobenzene	180	13.220	13.220	0.000	96	33912	5.00	4.72	
S 130 1,2-Dichloroethene, Total	100				0		10.0	10.1	
S 135 1,3-Dichloropropene, Total	100				0		10.0	9.11	
S 131 Xylenes, Total	100				0		10.0	9.38	
S 132 Total BTEX	1				0		25.0	23.4	

Reagents:

GASES Li_00167	Amount Added:	0.50	Units: uL	
8260MIX1COMB_00042	Amount Added:	0.50	Units: uL	
ACROLEIN W_00053	Amount Added:	2.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Aug-2016 13:36:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25060.D

Injection Date: 18-Aug-2016 01:53:30 Instrument ID: CVOAMS4 Operator ID:

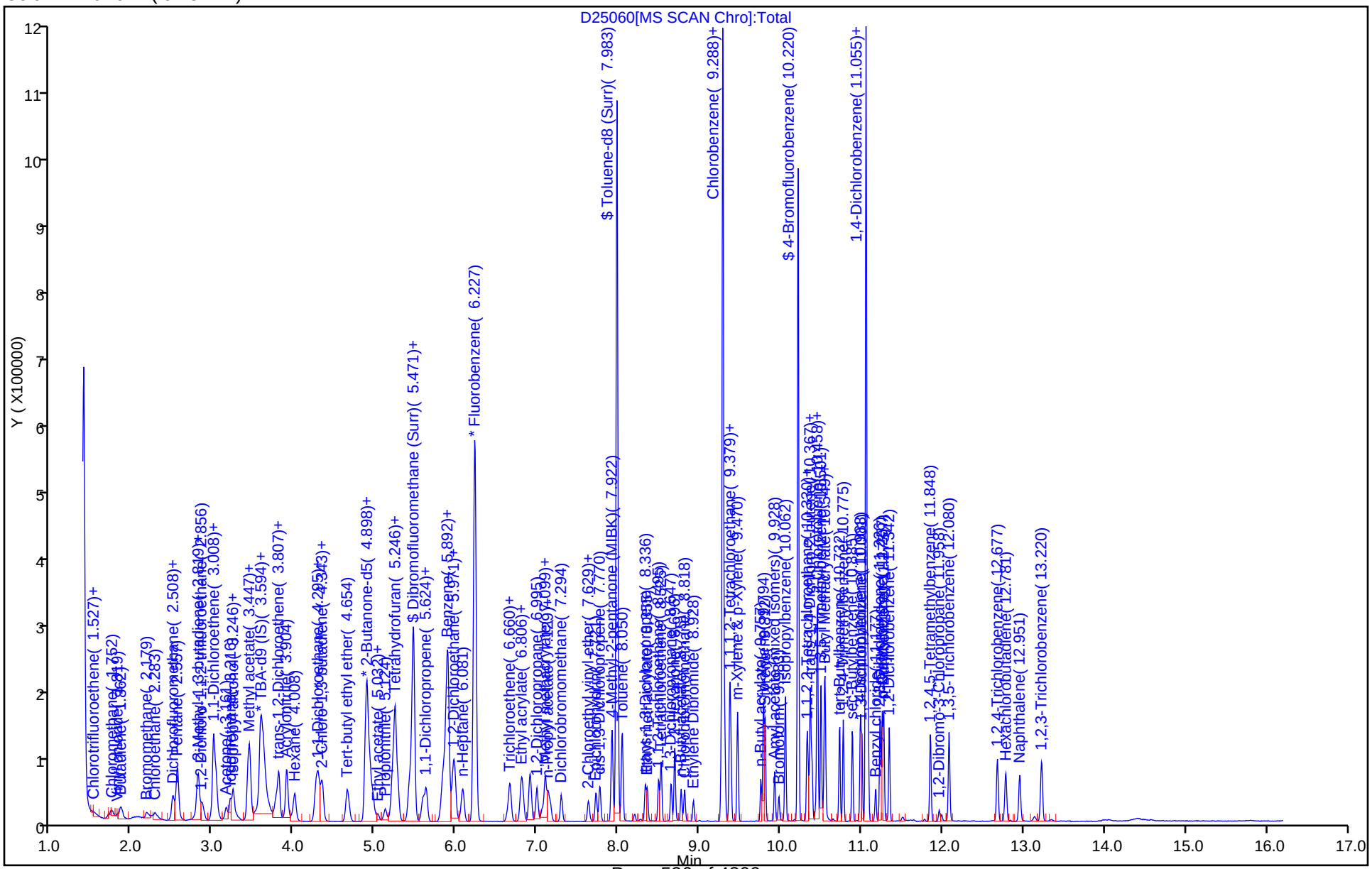
Lims ID: STD5 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25061.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 18-Aug-2016 02:18:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0044588-004
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 20:26:29 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: baronm Date: 19-Aug-2016 20:26:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.521	1.521	0.000	92	57769	20.0	26.1	
2 Dichlorodifluoromethane	85	1.545	1.545	0.000	98	121840	20.0	22.2	
3 Chloromethane	50	1.753	1.753	0.000	99	98009	20.0	18.8	
4 Vinyl chloride	62	1.826	1.826	0.000	98	72985	20.0	19.2	
5 Butadiene	54	1.869	1.869	0.000	95	49638	20.0	21.9	
6 Bromomethane	94	2.192	2.192	0.000	97	77827	20.0	20.1	
7 Chloroethane	64	2.289	2.289	0.000	99	52118	20.0	21.7	
8 Dichlorofluoromethane	67	2.509	2.509	0.000	95	139140	20.0	22.1	
9 Trichlorofluoromethane	101	2.509	2.509	0.000	87	119750	20.0	22.4	
10 Pentane	72	2.563	2.563	0.000	97	36922	40.0	50.4	
11 Ethyl ether	59	2.807	2.807	0.000	92	75736	20.0	21.2	
12 Ethanol	46	2.813	2.813	0.000	74	19365	800.0	834.9	
13 2-Methyl-1,3-butadiene	53	2.826	2.826	0.000	99	92674	20.0	24.0	
14 1,2-Dichloro-1,1,2-trifluo	117	2.874	2.874	0.000	85	68519	20.0	24.2	
15 1,1,2-Trichloro-1,2,2-trif	101	3.009	3.009	0.000	97	55796	20.0	22.6	
16 Acrolein	56	3.015	3.015	0.000	97	177102	300.0	314.2	
17 1,1-Dichloroethene	96	3.045	3.045	0.000	97	89754	20.0	23.5	
18 Acetone	43	3.167	3.167	0.000	85	123623	100.0	99.6	
19 Iodomethane	142	3.222	3.222	0.000	100	178571	20.0	22.0	
20 Carbon disulfide	76	3.252	3.252	0.000	100	321975	20.0	22.7	
21 Isopropyl alcohol	45	3.307	3.307	0.000	100	61932	200.0	199.9	
22 3-Chloro-1-propene	76	3.435	3.435	0.000	86	62196	20.0	20.0	
23 Cyclopentene	67	3.454	3.454	0.000	94	247588	20.0	24.1	
24 Methyl acetate	43	3.460	3.460	0.000	100	329760	100.0	104.1	
25 Acetonitrile	41	3.533	3.533	0.000	99	120054	200.0	221.0	
26 Methylene Chloride	84	3.588	3.588	0.000	95	105296	20.0	20.9	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	39	328300	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.691	3.691	0.000	99	90516	200.0	190.5	
29 Methyl tert-butyl ether	73	3.789	3.789	0.000	97	211758	20.0	21.6	
30 trans-1,2-Dichloroethene	96	3.819	3.819	0.000	96	103088	20.0	21.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.911	3.911	0.000	94	315133	200.0	214.5	
32 Hexane	57	4.014	4.014	0.000	93	148774	20.0	23.9	
33 Isopropyl ether	45	4.277	4.277	0.000	96	308555	20.0	22.4	
34 1,1-Dichloroethane	63	4.301	4.301	0.000	99	186805	20.0	21.9	
35 Vinyl acetate	86	4.331	4.331	0.000	100	27771	40.0	40.9	
36 2-Chloro-1,3-butadiene	88	4.356	4.356	0.000	92	88304	20.0	22.5	
37 Tert-butyl ethyl ether	59	4.661	4.661	0.000	89	251212	20.0	22.0	
* 38 2-Butanone-d5	46	4.898	4.898	0.000	0	328573	250.0	250.0	
39 2,2-Dichloropropane	79	4.904	4.904	0.000	70	41673	20.0	22.6	
40 cis-1,2-Dichloroethene	96	4.935	4.935	0.000	98	110242	20.0	21.3	
41 2-Butanone (MEK)	72	4.972	4.972	0.000	96	45756	100.0	97.9	
42 Ethyl acetate	70	4.984	4.984	0.000	95	16590	40.0	41.7	
43 Methyl acrylate	55	5.039	5.039	0.000	100	65847	20.0	20.6	
44 Propionitrile	54	5.130	5.130	0.000	98	115853	200.0	208.2	
45 Tetrahydrofuran	72	5.209	5.209	0.000	80	21052	40.0	39.4	
46 Chlorobromomethane	128	5.215	5.215	0.000	91	54402	20.0	21.2	
47 Methacrylonitrile	67	5.246	5.246	0.000	94	312612	200.0	210.9	
48 Chloroform	83	5.289	5.289	0.000	98	177232	20.0	21.6	
49 Cyclohexane	56	5.423	5.423	0.000	93	158580	20.0	22.3	
50 1,1,1-Trichloroethane	97	5.447	5.447	0.000	98	147787	20.0	22.9	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.478	0.000	97	201035	50.0	52.4	
52 Carbon tetrachloride	117	5.593	5.593	0.000	97	134334	20.0	22.6	
53 1,1-Dichloropropene	75	5.630	5.630	0.000	96	129843	20.0	21.8	
54 Isobutyl alcohol	43	5.837	5.837	0.000	12	158966	500.0	561.2	
55 Benzene	78	5.874	5.874	0.000	96	358931	20.0	20.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	98	197229	50.0	51.0	
57 Tert-amyl methyl ether	73	5.965	5.965	0.000	91	285513	20.0	21.3	
58 Isopropyl acetate	43	5.971	5.971	0.000	98	266608	20.0	21.8	
59 1,2-Dichloroethane	62	5.990	5.990	0.000	97	117030	20.0	20.4	
60 n-Heptane	57	6.087	6.087	0.000	95	81274	20.0	23.5	
* 61 Fluorobenzene	96	6.234	6.234	0.000	98	642945	50.0	50.0	
62 n-Butanol	56	6.642	6.642	0.000	92	52639	500.0	491.6	
63 Trichloroethene	95	6.666	6.666	0.000	97	92154	20.0	20.9	
64 Methylcyclohexane	83	6.807	6.807	0.000	95	171759	20.0	24.7	
65 Ethyl acrylate	73	6.831	6.831	0.000	96	6029	20.0	20.9	
66 1,2-Dichloropropane	63	6.996	6.996	0.000	89	88602	20.0	21.2	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	29764	1000.0	1000.0	
68 Methyl methacrylate	100	7.099	7.099	0.000	91	39722	40.0	40.6	
69 1,4-Dioxane	88	7.124	7.124	0.000	44	18508	400.0	416.6	
70 Dibromomethane	93	7.136	7.136	0.000	94	56522	20.0	21.0	
71 n-Propyl acetate	43	7.166	7.166	0.000	100	108568	20.0	20.5	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	111834	20.0	20.6	
73 2-Nitropropane	41	7.630	7.630	0.000	99	31387	40.0	37.4	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	97	40550	20.0	20.8	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	148751	400.0	410.7	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	94	128446	20.0	21.4	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	421137	100.0	106.6	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	99	673615	50.0	49.6	
79 Toluene	91	8.050	8.050	0.000	93	369339	20.0	19.7	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	99	104442	20.0	20.5	
81 Ethyl methacrylate	69	8.361	8.361	0.000	91	90985	20.0	20.9	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	60946	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.532	8.532	0.000	97	107573	20.0	20.2	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	95	114719	20.0	20.7	
85 2-Hexanone	43	8.696	8.696	0.000	99	272834	100.0	108.4	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	20013	20.0	21.1	
87 Chlorodibromomethane	129	8.818	8.818	0.000	97	84365	20.0	19.5	
88 Ethylene Dibromide	107	8.928	8.928	0.000	99	71564	20.0	19.9	
* 89 Chlorobenzene-d5	117	9.288	9.288	0.000	86	498820	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	95	238591	20.0	20.7	
91 Ethylbenzene	106	9.373	9.373	0.000	99	130774	20.0	21.1	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	93622	20.0	20.5	
93 m-Xylene & p-Xylene	106	9.471	9.471	0.000	99	160082	20.0	20.9	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	51840	20.0	19.9	
95 o-Xylene	106	9.794	9.794	0.000	93	164370	20.0	21.4	
96 Styrene	104	9.812	9.812	0.000	95	252185	20.0	21.4	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	143883	20.0	19.8	
98 Bromoform	173	9.983	9.983	0.000	97	55996	20.0	18.9	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	437427	20.0	21.9	
$ 100 4-Bromofluorobenzene	174	10.221	10.221	0.000	96	230821	50.0	47.6	
101 Bromobenzene	156	10.330	10.330	0.000	92	112603	20.0	18.9	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	97	97626	20.0	18.9	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	525125	20.0	19.9	
104 1,2,3-Trichloropropane	110	10.385	10.385	0.000	98	29977	20.0	19.4	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	80	28609	20.0	19.2	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	434407	20.0	20.3	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	350078	20.0	19.6	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	368200	20.0	19.6	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	300182	20.0	19.7	
110 Butyl Methacrylate	87	10.556	10.556	0.000	95	107696	20.0	19.5	
111 tert-Butylbenzene	119	10.733	10.733	0.000	94	288798	20.0	20.4	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	375017	20.0	21.9	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	473848	20.0	23.6	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	97	411799	20.0	22.4	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	97	213152	20.0	21.2	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	95	279800	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	95	211886	20.0	20.8	
118 Benzyl chloride	126	11.178	11.178	0.000	98	34006	20.0	20.5	
119 2,3-Dihydroindene	117	11.233	11.233	0.000	94	407741	20.0	25.9	
120 p-Diethylbenzene	119	11.257	11.257	0.000	93	256081	20.0	22.9	
121 n-Butylbenzene	92	11.275	11.275	0.000	98	221938	20.0	22.8	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	96	208378	20.0	20.5	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	98	368820	20.0	21.6	
124 1,2-Dibromo-3-Chloropropan	157	11.958	11.958	0.000	95	22086	20.0	19.5	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	98	187720	20.0	21.5	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	168045	20.0	19.7	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	96	91772	20.0	20.3	
128 Naphthalene	128	12.952	12.952	0.000	99	334906	20.0	19.9	
129 1,2,3-Trichlorobenzene	180	13.220	13.220	0.000	95	158394	20.0	18.6	
S 130 1,2-Dichloroethene, Total	100				0		40.0	42.9	
S 131 1,3-Dichloropropene, Total	100				0		40.0	41.9	
S 132 Xylenes, Total	100				0		40.0	42.3	
S 133 Total BTEX	1				0		100.0	103.2	

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00053	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 19-Aug-2016 20:26:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25061.D

Injection Date: 18-Aug-2016 02:18:30 Instrument ID: CVOAMS4 Operator ID:

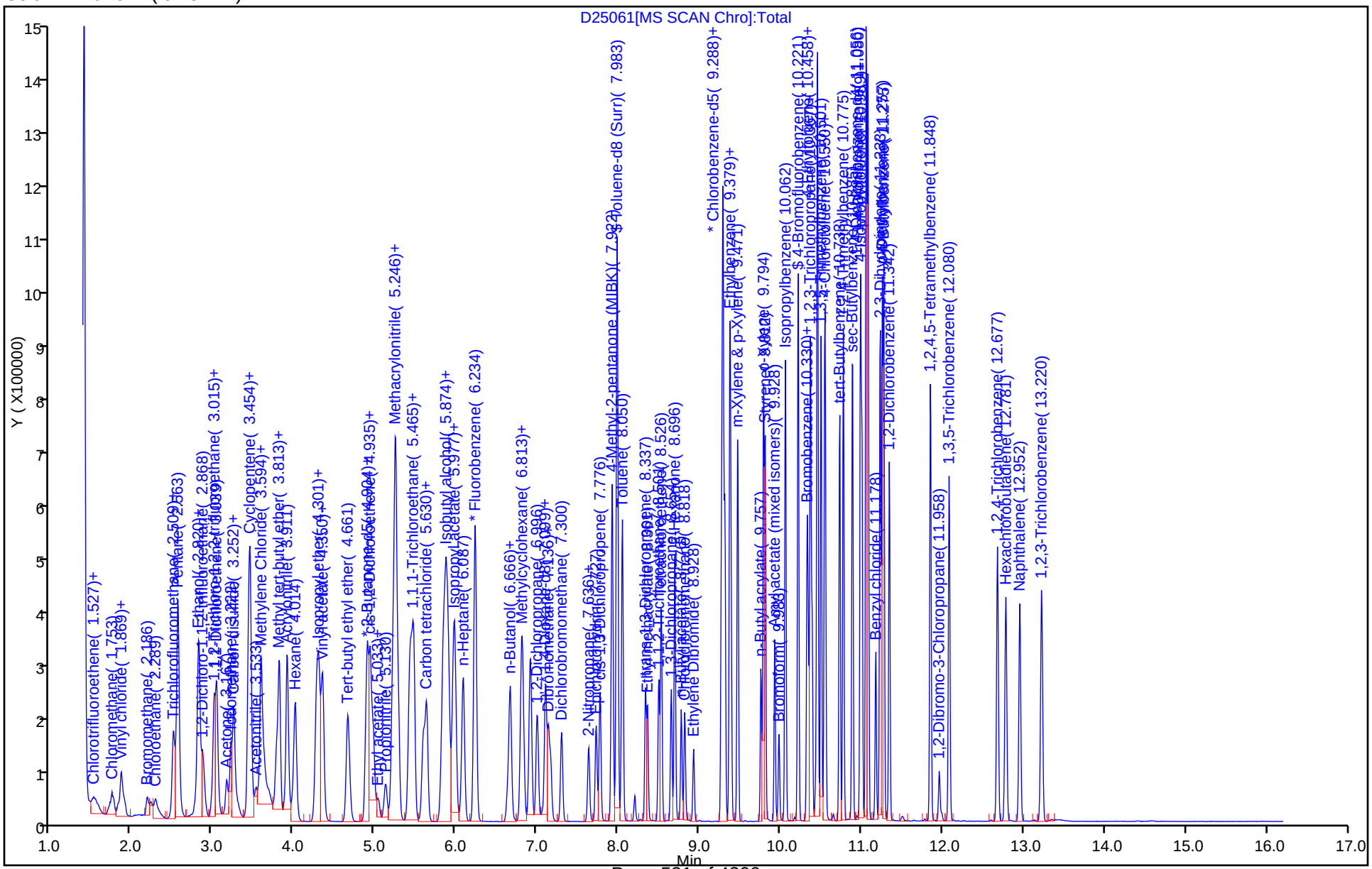
Lims ID: STD20 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25062.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Aug-2016 02:42:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0044588-005
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Aug-2016 13:36:53 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: tupayachia Date: 18-Aug-2016 04:16:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.497	1.521	-0.024	60	136871	50.0	59.4	
2 Dichlorodifluoromethane	85	1.558	1.545	0.013	87	296587	50.0	51.8	
3 Chloromethane	50	1.753	1.753	0.000	99	258074	50.0	47.4	
4 Vinyl chloride	62	1.826	1.826	0.000	98	212838	50.0	53.4	
5 Butadiene	54	1.862	1.869	-0.006	97	116170	50.0	48.9	
6 Bromomethane	94	2.185	2.192	-0.007	97	203079	50.0	50.2	
7 Chloroethane	64	2.289	2.289	0.000	100	133929	50.0	53.3	
8 Dichlorofluoromethane	67	2.509	2.509	0.000	95	351012	50.0	53.3	
9 Trichlorofluoromethane	101	2.509	2.509	0.000	83	298313	50.0	53.3	
10 Pentane	72	2.563	2.563	0.000	96	88561	100.0	115.6	
11 Ethyl ether	59	2.807	2.807	0.000	92	197451	50.0	52.9	
12 Ethanol	46	2.813	2.813	0.000	87	51581	2000.0	1988.7	
13 2-Methyl-1,3-butadiene	53	2.820	2.826	-0.006	98	228540	50.0	56.5	
14 1,2-Dichloro-1,1,2-trifluo	117	2.868	2.874	-0.006	85	162005	50.0	54.7	
15 1,1,2-Trichloro-1,2,2-trif	101	3.002	3.009	-0.007	96	131878	50.0	51.2	
16 Acrolein	56	3.015	3.015	0.000	97	262290	400.0	425.1	
17 1,1-Dichloroethene	96	3.045	3.045	0.000	97	216071	50.0	54.1	
18 Acetone	43	3.167	3.167	0.000	85	326696	250.0	252.1	
19 Iodomethane	142	3.216	3.222	-0.006	100	435724	50.0	51.4	
20 Carbon disulfide	76	3.252	3.252	0.000	100	790818	50.0	53.4	
21 Isopropyl alcohol	45	3.295	3.307	-0.012	100	163938	500.0	483.4	
22 3-Chloro-1-propene	76	3.435	3.435	0.000	87	170254	50.0	52.3	
23 Cyclopentene	67	3.454	3.454	0.000	96	603400	50.0	56.1	
24 Methyl acetate	43	3.460	3.460	0.000	100	862104	250.0	260.4	
25 Acetonitrile	41	3.527	3.533	-0.006	98	259523	500.0	436.4	
26 Methylene Chloride	84	3.588	3.588	0.000	95	254756	50.0	48.3	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	39	359316	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.697	3.691	0.006	99	240037	500.0	461.5	
29 Methyl tert-butyl ether	73	3.789	3.789	0.000	97	540158	50.0	52.8	
30 trans-1,2-Dichloroethene	96	3.813	3.819	-0.006	96	258785	50.0	51.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.911	3.911	0.000	94	809862	500.0	503.8	
32 Hexane	57	4.008	4.014	-0.006	94	374261	50.0	57.6	
33 Isopropyl ether	45	4.277	4.277	0.000	96	776680	50.0	53.8	
34 1,1-Dichloroethane	63	4.301	4.301	0.000	99	466084	50.0	52.3	
35 Vinyl acetate	86	4.338	4.331	0.007	100	71430	100.0	100.5	
36 2-Chloro-1,3-butadiene	88	4.356	4.356	0.000	93	220588	50.0	53.8	
37 Tert-butyl ethyl ether	59	4.661	4.661	0.000	89	635975	50.0	53.3	
* 38 2-Butanone-d5	46	4.898	4.898	0.000	0	352927	250.0	250.0	
39 2,2-Dichloropropane	79	4.898	4.904	-0.006	94	99433	50.0	51.5	
40 cis-1,2-Dichloroethene	96	4.935	4.935	0.000	98	275566	50.0	51.0	
41 2-Butanone (MEK)	72	4.965	4.972	-0.007	96	122038	250.0	243.2	
42 Ethyl acetate	70	4.978	4.984	-0.006	95	42627	100.0	99.7	
43 Methyl acrylate	55	5.039	5.039	0.000	100	172189	50.0	51.6	
44 Propionitrile	54	5.130	5.130	0.000	98	304686	500.0	523.7	
45 Tetrahydrofuran	72	5.209	5.209	0.000	55	55809	100.0	97.2	
46 Chlorobromomethane	128	5.215	5.215	0.000	89	135508	50.0	50.5	
47 Methacrylonitrile	67	5.246	5.246	0.000	94	814099	500.0	525.1	
48 Chloroform	83	5.282	5.289	-0.007	98	440201	50.0	51.4	
49 Cyclohexane	56	5.423	5.423	0.000	93	373725	50.0	50.5	
50 1,1,1-Trichloroethane	97	5.447	5.447	0.000	98	356396	50.0	52.9	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.478	0.000	97	206569	50.0	51.5	
52 Carbon tetrachloride	117	5.593	5.593	0.000	98	334461	50.0	53.8	
53 1,1-Dichloropropene	75	5.636	5.630	0.006	96	329775	50.0	52.9	
54 Isobutyl alcohol	43	5.831	5.837	-0.006	89	410927	1250.0	1325.4	
55 Benzene	78	5.874	5.874	0.000	97	900384	50.0	48.7	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	98	205181	50.0	50.7	
57 Tert-amyl methyl ether	73	5.965	5.965	0.000	92	742899	50.0	53.1	
58 Isopropyl acetate	43	5.971	5.971	0.000	99	697821	50.0	54.5	
59 1,2-Dichloroethane	62	5.990	5.990	0.000	97	298422	50.0	49.7	
60 n-Heptane	57	6.081	6.087	-0.006	95	205691	50.0	56.9	
* 61 Fluorobenzene	96	6.233	6.234	-0.001	98	672313	50.0	50.0	
62 n-Butanol	56	6.636	6.642	-0.006	91	150738	1250.0	1286.3	
63 Trichloroethene	95	6.666	6.666	0.000	98	238542	50.0	51.6	
64 Methylcyclohexane	83	6.807	6.807	0.000	96	426661	50.0	58.7	
65 Ethyl acrylate	73	6.831	6.831	0.000	96	16626	50.0	55.2	
66 1,2-Dichloropropane	63	6.996	6.996	0.000	88	226817	50.0	52.0	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	32732	1000.0	1000.0	
68 Methyl methacrylate	100	7.099	7.099	0.000	91	105421	100.0	103.2	
69 1,4-Dioxane	88	7.130	7.124	0.006	40	48319	1000.0	989.0	
70 Dibromomethane	93	7.136	7.136	0.000	93	142038	50.0	50.5	
71 n-Propyl acetate	43	7.166	7.166	0.000	100	290875	50.0	52.5	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	292499	50.0	51.6	
73 2-Nitropropane	41	7.623	7.630	-0.007	99	85206	100.0	97.0	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	97	110457	50.0	54.1	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	407100	1000.0	1046.5	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	93	337262	50.0	54.3	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	1119899	250.0	264.0	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	99	680985	50.0	48.5	
79 Toluene	91	8.050	8.050	0.000	93	916640	50.0	47.3	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	99	281878	50.0	53.6	
81 Ethyl methacrylate	69	8.361	8.361	0.000	90	242936	50.0	53.4	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	155206	50.0	48.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.532	8.532	0.000	97	267388	50.0	48.5	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	94	296209	50.0	51.7	
85 2-Hexanone	43	8.696	8.696	0.000	98	701089	250.0	259.3	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	50438	50.0	51.5	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	225004	50.0	50.4	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	186217	50.0	50.1	
* 89 Chlorobenzene-d5	117	9.288	9.288	0.000	85	514969	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	94	596269	50.0	50.2	
91 Ethylbenzene	106	9.373	9.373	0.000	99	328213	50.0	51.4	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	242194	50.0	51.3	
93 m-Xylene & p-Xylene	106	9.471	9.471	0.000	99	399536	50.0	50.6	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	140645	50.0	52.2	
95 o-Xylene	106	9.794	9.794	0.000	93	413622	50.0	52.2	
96 Styrene	104	9.812	9.812	0.000	95	642425	50.0	52.8	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	380627	50.0	56.9	
98 Bromoform	173	9.983	9.983	0.000	97	148269	50.0	48.4	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	1109697	50.0	53.8	
$ 100 4-Bromofluorobenzene	174	10.221	10.221	-0.001	95	228775	50.0	51.2	
101 Bromobenzene	156	10.330	10.330	0.000	92	279436	50.0	50.9	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	250046	50.0	52.5	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	1314226	50.0	54.2	
104 1,2,3-Trichloropropane	110	10.385	10.385	0.000	97	73412	50.0	51.8	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	79	72176	50.0	52.7	
106 4-Ethyltoluene	105	10.452	10.452	0.000	99	1084094	50.0	55.0	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	868371	50.0	52.8	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	924104	50.0	53.3	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	739930	50.0	52.7	
110 Butyl Methacrylate	87	10.556	10.556	0.000	95	288308	50.0	56.6	
111 tert-Butylbenzene	119	10.733	10.733	0.000	95	688384	50.0	52.9	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	871194	50.0	55.4	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	929042	50.0	50.3	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	903612	50.0	53.4	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	97	467028	50.0	50.5	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	93	257441	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	95	468045	50.0	49.8	
118 Benzyl chloride	126	11.178	11.178	0.000	99	79452	50.0	52.0	
119 2,3-Dihydroindene	117	11.233	11.233	-0.001	94	795060	50.0	48.8	
120 p-Diethylbenzene	119	11.257	11.257	0.000	94	521448	50.0	50.6	
121 n-Butylbenzene	92	11.275	11.275	0.000	98	465749	50.0	51.9	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	97	449462	50.0	48.1	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	98	803108	50.0	51.1	
124 1,2-Dibromo-3-Chloropropan	157	11.958	11.958	0.000	94	49465	50.0	47.6	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	98	392433	50.0	48.8	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	387585	50.0	49.3	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	97	196468	50.0	47.1	
128 Naphthalene	128	12.952	12.952	0.000	99	759832	50.0	49.0	
129 1,2,3-Trichlorobenzene	180	13.220	13.220	0.000	95	332780	50.0	42.4	
S 130 1,2-Dichloroethene, Total	100				0		100.0	102.7	
S 135 1,3-Dichloropropene, Total	100				0		100.0	107.9	
S 131 Xylenes, Total	100				0		100.0	102.8	
S 132 Total BTEX	1				0		250.0	250.1	

Reagents:

8260MIX1COMB_00042	Amount Added:	5.00	Units: uL	
ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
GASES Li_00167	Amount Added:	5.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Aug-2016 13:36:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25062.D

Injection Date: 18-Aug-2016 02:42:30 Instrument ID: CVOAMS4 Operator ID:

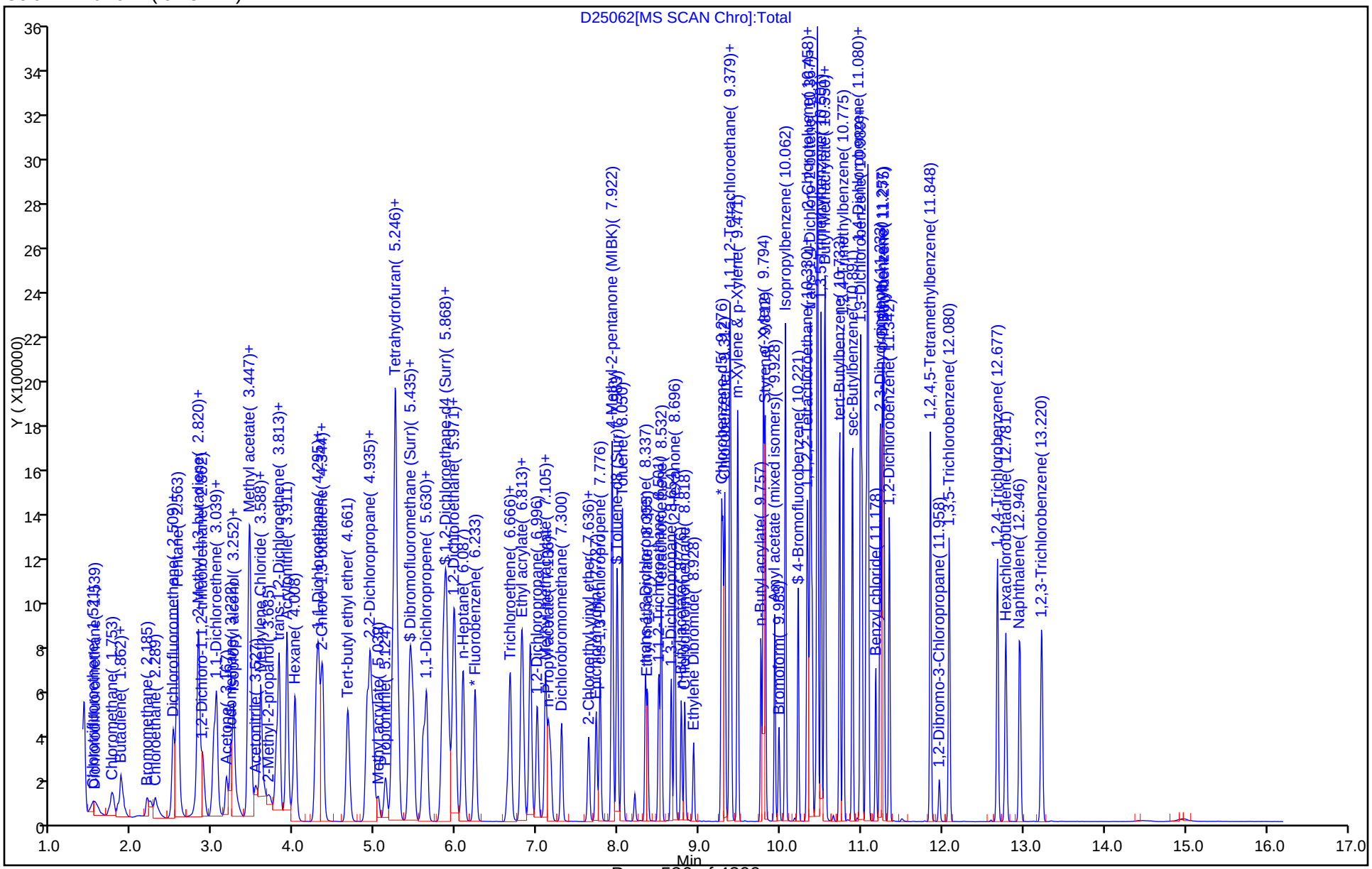
Lims ID: STD50 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Report Date: 18-Aug-2016 13:36:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25063.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Aug-2016 03:06:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0044588-006
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Aug-2016 13:36:57 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: tupayachia Date: 18-Aug-2016 04:03:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.515	1.521	-0.006	94	449519	200.0	195.3	
2 Dichlorodifluoromethane	85	1.539	1.545	-0.006	87	1307433	200.0	224.6	
3 Chloromethane	50	1.759	1.753	0.006	99	1036453	200.0	187.2	
4 Vinyl chloride	62	1.832	1.826	0.006	98	768677	200.0	189.8	
5 Butadiene	54	1.862	1.869	-0.006	96	465680	200.0	193.1	
6 Bromomethane	94	2.185	2.192	-0.007	98	831678	200.0	202.1	
7 Chloroethane	64	2.289	2.289	0.000	100	494626	200.0	193.6	
8 Dichlorofluoromethane	67	2.509	2.509	0.000	95	1295841	200.0	193.6	
9 Trichlorofluoromethane	101	2.509	2.509	0.000	87	1091319	200.0	191.9	
10 Pentane	72	2.563	2.563	0.000	96	306276	400.0	393.3	
11 Ethyl ether	59	2.807	2.807	0.000	93	737212	200.0	194.2	
12 Ethanol	46	2.807	2.813	-0.006	94	187192	8000.0	7451.0	
13 2-Methyl-1,3-butadiene	53	2.819	2.826	-0.007	98	817485	200.0	198.9	
14 1,2-Dichloro-1,1,2-trifluo	117	2.874	2.874	0.000	94	551596	200.0	183.1	
15 1,1,2-Trichloro-1,2,2-trif	101	3.002	3.009	-0.007	98	419757	200.0	170.3	
16 Acrolein	56	3.015	3.015	0.000	96	290239	500.0	491.1	
17 1,1-Dichloroethene	96	3.045	3.045	0.000	97	772039	200.0	190.2	
18 Acetone	43	3.167	3.167	0.000	86	1374796	1000.0	1035.3	
19 Iodomethane	142	3.216	3.222	-0.006	100	1628060	200.0	188.8	
20 Carbon disulfide	76	3.252	3.252	0.000	99	2995007	200.0	199.1	
21 Isopropyl alcohol	45	3.295	3.307	-0.012	100	592610	2000.0	1824.5	
22 3-Chloro-1-propene	76	3.435	3.435	0.000	87	698804	200.0	211.2	
23 Cyclopentene	67	3.453	3.454	-0.001	90	2143933	200.0	196.1	
24 Methyl acetate	43	3.460	3.460	0.000	100	3125653	1000.0	928.7	
25 Acetonitrile	41	3.527	3.533	-0.006	99	1081685	2000.0	1899.2	
26 Methylene Chloride	84	3.588	3.588	0.000	95	932919	200.0	174.1	
* 27 TBA-d9 (IS)	65	3.618	3.612	0.006	36	344152	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.697	3.691	0.006	99	873543	2000.0	1753.4	
29 Methyl tert-butyl ether	73	3.789	3.789	0.000	97	1861709	200.0	179.1	
30 trans-1,2-Dichloroethene	96	3.819	3.819	0.000	96	948721	200.0	186.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.911	3.911	0.000	94	2957024	2000.0	1920.4	
32 Hexane	57	4.008	4.014	-0.006	94	1388301	200.0	210.2	
33 Isopropyl ether	45	4.276	4.277	-0.001	97	2751387	200.0	187.7	
34 1,1-Dichloroethane	63	4.301	4.301	0.000	99	1724570	200.0	190.5	
35 Vinyl acetate	86	4.337	4.331	0.006	100	299550	400.0	414.9	
36 2-Chloro-1,3-butadiene	88	4.356	4.356	0.000	92	798744	200.0	191.8	
37 Tert-butyl ethyl ether	59	4.661	4.661	0.000	88	2142917	200.0	176.7	
* 38 2-Butanone-d5	46	4.898	4.898	0.000	0	366877	250.0	250.0	
39 2,2-Dichloropropane	79	4.904	4.904	0.000	94	347891	200.0	177.2	
40 cis-1,2-Dichloroethene	96	4.935	4.935	0.000	98	1020459	200.0	185.9	
41 2-Butanone (MEK)	72	4.965	4.972	-0.007	97	469517	1000.0	900.1	
42 Ethyl acetate	70	4.984	4.984	0.000	96	158112	400.0	355.6	
43 Methyl acrylate	55	5.039	5.039	-0.001	100	610088	200.0	179.9	
44 Propionitrile	54	5.130	5.130	0.000	98	1077228	2000.0	1821.9	
45 Tetrahydrofuran	72	5.209	5.209	0.000	97	207840	400.0	348.3	
46 Chlorobromomethane	128	5.215	5.215	0.000	90	510201	200.0	187.2	
47 Methacrylonitrile	67	5.252	5.246	0.006	94	2916053	2000.0	1850.7	
48 Chloroform	83	5.288	5.289	-0.001	98	1624949	200.0	186.6	
49 Cyclohexane	56	5.423	5.423	0.000	93	1274682	200.0	181.1	
50 1,1,1-Trichloroethane	97	5.453	5.447	0.006	98	1284703	200.0	187.5	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.478	-0.001	97	205758	50.0	50.4	
52 Carbon tetrachloride	117	5.593	5.593	0.000	97	1234043	200.0	195.1	
53 1,1-Dichloropropene	75	5.636	5.630	0.006	96	1246548	200.0	196.9	
54 Isobutyl alcohol	43	5.831	5.837	-0.006	93	1422182	5000.0	4789.3	
55 Benzene	78	5.874	5.874	0.000	97	3366407	200.0	180.2	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.898	0.006	99	211928	50.0	51.5	
57 Tert-amyl methyl ether	73	5.965	5.965	0.000	92	2565427	200.0	180.2	
58 Isopropyl acetate	43	5.971	5.971	0.000	99	2526149	200.0	194.2	
59 1,2-Dichloroethane	62	5.996	5.990	0.006	97	1129796	200.0	185.2	
60 n-Heptane	57	6.087	6.087	0.000	94	779163	200.0	211.9	
* 61 Fluorobenzene	96	6.233	6.234	-0.001	98	683322	50.0	50.0	
62 n-Butanol	56	6.642	6.642	0.000	90	596341	5000.0	5312.8	
63 Trichloroethene	95	6.666	6.666	0.000	97	898523	200.0	191.4	
64 Methylcyclohexane	83	6.806	6.807	-0.001	96	1490991	200.0	201.8	
65 Ethyl acrylate	73	6.831	6.831	0.000	98	63868	200.0	208.7	
66 1,2-Dichloropropane	63	7.002	6.996	0.006	88	853111	200.0	192.4	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	35467	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.099	0.006	91	395921	400.0	381.2	
69 1,4-Dioxane	88	7.136	7.124	0.012	38	178213	4000.0	3366.4	
70 Dibromomethane	93	7.136	7.136	0.000	94	535428	200.0	187.3	
71 n-Propyl acetate	43	7.166	7.166	0.000	100	1061675	200.0	188.6	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	1156027	200.0	200.6	
73 2-Nitropropane	41	7.629	7.630	-0.001	99	340732	400.0	381.8	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	97	428147	200.0	206.3	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	1540812	4000.0	3810.1	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	93	1322961	200.0	211.0	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	4268584	1000.0	967.8	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	99	679586	50.0	47.9	
79 Toluene	91	8.050	8.050	0.000	93	3399169	200.0	173.8	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	98	1129852	200.0	212.6	
81 Ethyl methacrylate	69	8.361	8.361	0.000	91	945170	200.0	204.5	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	588940	200.0	183.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.532	8.532	0.000	98	996297	200.0	179.0	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	94	1132810	200.0	195.7	
85 2-Hexanone	43	8.696	8.696	0.000	99	2771467	1000.0	986.1	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	183685	200.0	185.6	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	898511	200.0	199.4	
88 Ethylene Dibromide	107	8.928	8.928	0.000	99	711107	200.0	189.6	
* 89 Chlorobenzene-d5	117	9.294	9.288	0.006	91	520057	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	94	2227290	200.0	185.7	
91 Ethylbenzene	106	9.379	9.373	0.006	99	1204863	200.0	186.7	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	95	932369	200.0	195.7	
93 m-Xylene & p-Xylene	106	9.477	9.471	0.006	99	1456408	200.0	182.6	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	545438	200.0	200.6	
95 o-Xylene	106	9.794	9.794	0.000	93	1536281	200.0	191.9	
96 Styrene	104	9.812	9.812	0.000	95	2384418	200.0	193.9	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	1395484	200.0	237.4	
98 Bromoform	173	9.983	9.983	0.000	98	599636	200.0	193.7	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	4098620	200.0	196.7	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	96	230326	50.0	58.7	
101 Bromobenzene	156	10.330	10.330	0.000	93	1042608	200.0	216.1	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	939043	200.0	224.4	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	4852192	200.0	227.7	
104 1,2,3-Trichloropropane	110	10.391	10.385	0.006	98	269494	200.0	216.3	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	91	276973	200.0	230.0	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	3699055	200.0	213.6	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	3177607	200.0	220.0	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	3459489	200.0	227.2	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	2670829	200.0	216.5	
110 Butyl Methacrylate	87	10.556	10.556	0.000	94	1028607	200.0	230.0	
111 tert-Butylbenzene	119	10.733	10.733	0.000	94	2665500	200.0	232.9	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	3091879	200.0	223.6	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	3407793	200.0	210.2	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	3051153	200.0	205.1	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	97	1498403	200.0	184.2	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	91	226226	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	95	1506802	200.0	182.6	
118 Benzyl chloride	126	11.178	11.178	0.000	100	319417	200.0	237.8	
119 2,3-Dihydroindene	117	11.232	11.233	-0.001	94	3076434	200.0	199.4	
120 p-Diethylbenzene	119	11.257	11.257	0.000	93	1920232	200.0	212.1	
121 n-Butylbenzene	92	11.275	11.275	0.000	97	1741675	200.0	220.9	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	97	1613714	200.0	196.4	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	98	2856686	200.0	206.9	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.958	0.006	94	202628	200.0	221.7	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	98	1232033	200.0	174.2	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	1458693	200.0	211.1	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	97	803795	200.0	219.4	
128 Naphthalene	128	12.952	12.952	0.000	99	2619891	200.0	192.2	
129 1,2,3-Trichlorobenzene	180	13.226	13.220	0.006	95	1366469	200.0	198.0	
S 130 1,2-Dichloroethene, Total	100				0		400.0	372.3	
S 135 1,3-Dichloropropene, Total	100				0		400.0	423.7	
S 131 Xylenes, Total	100				0		400.0	374.5	
S 132 Total BTEX	1				0		1000.0	915.1	

Reagents:

8260MIX1COMB_00042	Amount Added:	20.00	Units: uL	
ACROLEIN W_00053	Amount Added:	5.00	Units: uL	
GASES Li_00167	Amount Added:	20.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Aug-2016 13:36:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25063.D

Injection Date: 18-Aug-2016 03:06:30 Instrument ID: CVOAMS4 Operator ID:

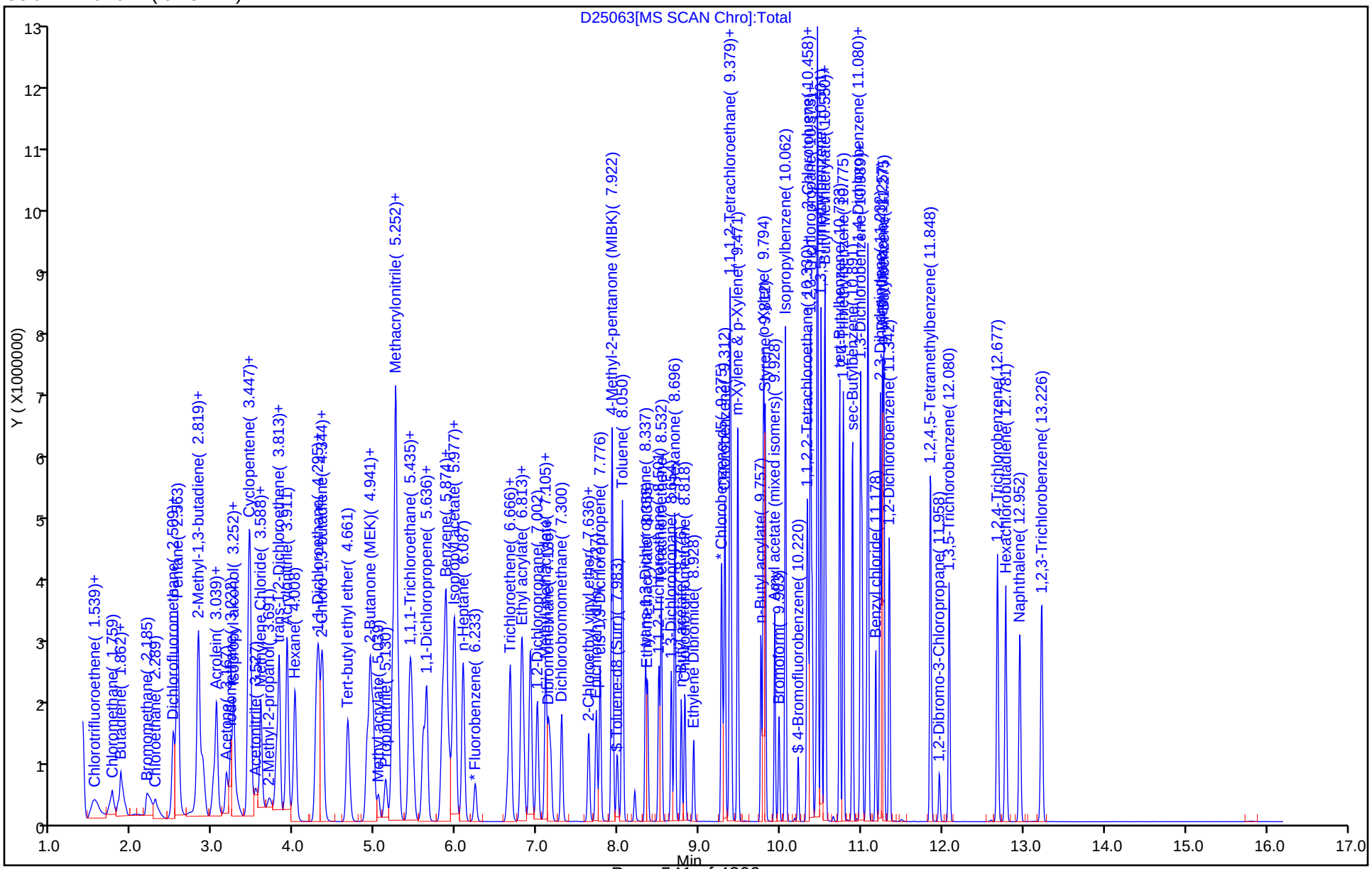
Lims ID: STD200 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25064.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Aug-2016 03:31:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0044588-007
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Aug-2016 13:37:01 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: tupayachia Date: 18-Aug-2016 04:03:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.521	1.521	0.000	46	1128286	500.0	500.7	
2 Dichlorodifluoromethane	85	1.551	1.545	0.006	99	3253536	500.0	548.3	
3 Chloromethane	50	1.759	1.753	0.006	99	2765751	500.0	490.2	
4 Vinyl chloride	62	1.832	1.826	0.006	98	2355486	500.0	570.7	
5 Butadiene	54	1.868	1.869	0.000	96	1194098	500.0	485.6	
6 Bromomethane	94	2.210	2.192	0.018	99	2010800	500.0	479.4	
7 Chloroethane	64	2.289	2.289	0.000	100	1175719	500.0	451.5	
8 Dichlorofluoromethane	67	2.508	2.509	-0.001	95	3201981	500.0	469.2	
9 Trichlorofluoromethane	101	2.508	2.509	-0.001	86	2663930	500.0	459.6	
10 Pentane	72	2.563	2.563	0.000	96	710735	1000.0	895.4	
11 Ethyl ether	59	2.807	2.807	0.000	97	1874828	500.0	484.4	
12 Ethanol	46	2.807	2.813	-0.006	83	494691	20000	19579	
13 2-Methyl-1,3-butadiene	53	2.825	2.826	-0.001	98	2041212	500.0	487.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.874	2.874	0.000	90	1342945	500.0	437.4	
15 1,1,2-Trichloro-1,2,2-trif	101	3.008	3.009	-0.001	98	1078084	500.0	545.6	
16 Acrolein	56	3.014	3.015	-0.001	94	354918	600.0	598.7	
17 1,1-Dichloroethene	96	3.045	3.045	0.000	96	1868964	500.0	451.7	
18 Acetone	43	3.167	3.167	0.000	86	3243620	2500.0	2321.0	
19 Iodomethane	142	3.222	3.222	0.000	100	3966743	500.0	451.2	
20 Carbon disulfide	76	3.258	3.252	0.006	99	7567113	500.0	493.4	
21 Isopropyl alcohol	45	3.301	3.307	-0.006	99	1568492	5000.0	4813.7	
22 3-Chloro-1-propene	76	3.435	3.435	0.000	90	1940047	500.0	575.1	
23 Cyclopentene	67	3.453	3.454	-0.001	95	5357587	500.0	480.8	
24 Methyl acetate	43	3.459	3.460	-0.001	100	8276009	2500.0	2412.4	
25 Acetonitrile	41	3.533	3.533	0.000	98	2302499	5000.0	4029.9	
26 Methylene Chloride	84	3.594	3.588	0.006	95	2323590	500.0	425.4	
* 27 TBA-d9 (IS)	65	3.618	3.612	0.006	34	345245	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.703	3.691	0.012	98	2186246	5000.0	4374.3	
29 Methyl tert-butyl ether	73	3.789	3.789	0.000	96	4809939	500.0	453.8	
30 trans-1,2-Dichloroethene	96	3.819	3.819	0.000	97	2429878	500.0	468.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.917	3.911	0.006	94	7656650	5000.0	4956.8	
32 Hexane	57	4.014	4.014	0.000	93	3564381	500.0	529.4	
33 Isopropyl ether	45	4.276	4.277	-0.001	99	6759481	500.0	452.3	
34 1,1-Dichloroethane	63	4.307	4.301	0.006	99	4449652	500.0	482.2	
35 Vinyl acetate	86	4.337	4.331	0.006	100	808800	1000.0	1098.9	
36 2-Chloro-1,3-butadiene	88	4.356	4.356	0.000	92	2100717	500.0	494.8	
37 Tert-butyl ethyl ether	59	4.667	4.661	0.006	89	5291366	500.0	428.1	
* 38 2-Butanone-d5	46	4.904	4.898	0.006	0	387091	250.0	250.0	
39 2,2-Dichloropropane	79	4.904	4.904	0.000	95	844380	500.0	421.9	
40 cis-1,2-Dichloroethene	96	4.941	4.935	0.006	98	2638357	500.0	471.4	
41 2-Butanone (MEK)	72	4.971	4.972	-0.001	97	1257153	2500.0	2284.2	
42 Ethyl acetate	70	4.984	4.984	0.000	96	440747	1000.0	939.6	
43 Methyl acrylate	55	5.045	5.039	0.006	100	1809552	500.0	523.4	
44 Propionitrile	54	5.136	5.130	0.006	98	2915839	5000.0	4837.9	
45 Tetrahydrofuran	72	5.209	5.209	0.000	78	549580	1000.0	872.9	
46 Chlorobromomethane	128	5.215	5.215	0.000	88	1308258	500.0	470.9	
47 Methacrylonitrile	67	5.258	5.246	0.012	95	7912002	5000.0	4926.1	
48 Chloroform	83	5.288	5.289	-0.001	98	4216871	500.0	475.1	
49 Cyclohexane	56	5.429	5.423	0.006	93	3037107	500.0	527.7	
50 1,1,1-Trichloroethane	97	5.453	5.447	0.006	98	3132817	500.0	448.5	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.478	-0.001	97	200442	50.0	48.2	
52 Carbon tetrachloride	117	5.593	5.593	0.000	97	3065717	500.0	475.6	
53 1,1-Dichloropropene	75	5.636	5.630	0.006	96	3338292	500.0	517.2	
54 Isobutyl alcohol	43	5.831	5.837	-0.006	93	3613384	12500	12130	
55 Benzene	78	5.880	5.874	0.006	97	8889208	500.0	642.4	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.898	0.006	96	220226	50.0	52.5	
57 Tert-amyl methyl ether	73	5.971	5.965	0.006	91	6205901	500.0	427.8	
58 Isopropyl acetate	43	5.977	5.971	0.006	98	6521424	500.0	491.9	
59 1,2-Dichloroethane	62	5.996	5.990	0.006	97	3028226	500.0	486.9	
60 n-Heptane	57	6.087	6.087	0.000	95	2007202	500.0	535.6	
* 61 Fluorobenzene	96	6.239	6.234	0.005	98	696543	50.0	50.0	
62 n-Butanol	56	6.648	6.642	0.006	90	1724954	12500	15319	
63 Trichloroethene	95	6.672	6.666	0.006	98	2432111	500.0	508.1	
64 Methylcyclohexane	83	6.812	6.807	0.005	95	3465224	500.0	460.2	
65 Ethyl acrylate	73	6.837	6.831	0.006	97	166908	500.0	535.1	
66 1,2-Dichloropropane	63	7.001	6.996	0.005	89	2283506	500.0	505.1	
* 67 1,4-Dioxane-d8	96	7.081	7.069	0.012	0	24487	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.099	0.006	91	1070977	1000.0	1011.6	
69 1,4-Dioxane	88	7.142	7.124	0.018	41	448180	10000	12262	
70 Dibromomethane	93	7.142	7.136	0.006	93	1418173	500.0	486.7	
71 n-Propyl acetate	43	7.166	7.166	0.000	100	2925088	500.0	509.6	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	3165707	500.0	538.9	
73 2-Nitropropane	41	7.629	7.630	-0.001	98	984805	1000.0	1082.6	
74 2-Chloroethyl vinyl ether	63	7.635	7.636	-0.001	97	1167932	500.0	552.1	
75 Epichlorohydrin	57	7.733	7.727	0.006	99	4101864	10000	9613.4	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	94	3601600	500.0	775.8	
77 4-Methyl-2-pentanone (MIBK	43	7.928	7.922	0.006	98	10925931	2500.0	2347.9	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	99	665640	50.0	63.4	
79 Toluene	91	8.050	8.050	0.000	93	8956255	500.0	618.3	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	96	3060906	500.0	777.9	
81 Ethyl methacrylate	69	8.361	8.361	0.000	90	2453028	500.0	520.8	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	1537697	500.0	646.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.532	8.532	0.000	97	2563808	500.0	622.2	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	94	2977903	500.0	694.9	
85 2-Hexanone	43	8.696	8.696	0.000	99	6071036	2500.0	2047.3	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	422272	500.0	576.3	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	2169924	500.0	650.2	
88 Ethylene Dibromide	107	8.934	8.928	0.006	98	1633805	500.0	588.3	
* 89 Chlorobenzene-d5	117	9.294	9.288	0.006	84	385098	50.0	50.0	
90 Chlorobenzene	112	9.318	9.312	0.006	96	4345207	500.0	489.3	
91 Ethylbenzene	106	9.379	9.373	0.006	99	2415855	500.0	505.5	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	95	1900370	500.0	538.7	
93 m-Xylene & p-Xylene	106	9.477	9.471	0.006	99	2889870	500.0	489.3	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	1214871	500.0	603.3	
95 o-Xylene	106	9.794	9.794	0.000	94	2956346	500.0	498.7	
96 Styrene	104	9.812	9.812	0.000	96	4569819	500.0	501.9	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	2900961	500.0	463.6	
98 Bromoform	173	9.983	9.983	0.000	98	1421568	500.0	620.1	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	7632868	500.0	494.6	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	97	187183	50.0	44.8	
101 Bromobenzene	156	10.330	10.330	0.000	92	2382959	500.0	464.1	
102 1,1,2,2-Tetrachloroethane	83	10.348	10.342	0.006	98	2064111	500.0	463.4	
103 N-Propylbenzene	91	10.373	10.367	0.006	99	10662082	500.0	470.2	e
104 1,2,3-Trichloropropane	110	10.391	10.385	0.006	97	599461	500.0	452.0	
105 trans-1,4-Dichloro-2-buten	53	10.397	10.391	0.006	91	624428	500.0	487.1	
106 4-Ethyltoluene	105	10.458	10.452	0.006	97	8211102	500.0	445.6	
107 2-Chlorotoluene	91	10.458	10.458	0.000	95	7153849	500.0	465.3	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	96	7988682	500.0	493.0	
109 4-Chlorotoluene	91	10.550	10.544	0.006	96	5954285	500.0	453.6	
110 Butyl Methacrylate	87	10.556	10.556	0.000	94	2388164	500.0	501.7	
111 tert-Butylbenzene	119	10.732	10.733	-0.001	94	6393297	500.0	524.9	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	6510051	500.0	442.3	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	8297107	500.0	480.8	
114 4-Isopropyltoluene	119	10.989	10.989	-0.001	98	8015734	500.0	506.4	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	96	3910244	500.0	451.8	
* 116 1,4-Dichlorobenzene-d4	152	11.062	11.056	0.006	92	240773	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	94	4055050	500.0	461.6	
118 Benzyl chloride	126	11.177	11.178	-0.001	99	778500	500.0	544.6	
119 2,3-Dihydroindene	117	11.232	11.233	-0.001	94	6707753	500.0	500.1	
120 p-Diethylbenzene	119	11.257	11.257	0.000	94	4159491	500.0	431.7	
121 n-Butylbenzene	92	11.275	11.275	0.000	97	3598186	500.0	428.9	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	97	3889959	500.0	444.8	
123 1,2,4,5-Tetramethylbenzene	119	11.854	11.848	0.006	97	7277755	500.0	495.3	
124 1,2-Dibromo-3-Chloropropan	157	11.958	11.958	0.000	96	527236	500.0	542.0	
125 1,3,5-Trichlorobenzene	180	12.086	12.080	0.006	98	2918969	500.0	387.9	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	3265516	500.0	444.0	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	96	2052863	500.0	526.4	
128 Naphthalene	128	12.952	12.952	0.000	99	7460539	500.0	514.1	
129 1,2,3-Trichlorobenzene	180	13.226	13.220	0.006	96	3756296	500.0	511.3	
S 130 1,2-Dichloroethene, Total	100				0		1000.0	939.8	
S 135 1,3-Dichloropropene, Total	100				0		1000.0	1553.7	
S 131 Xylenes, Total	100				0		1000.0	988.0	
S 132 Total BTEX	1				0		2500.0	2754.3	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

8260MIX1COMB_00042	Amount Added:	50.00	Units: uL	
ACROLEIN W_00053	Amount Added:	6.00	Units: uL	
GASES Li_00167	Amount Added:	50.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Aug-2016 13:37:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25064.D

Injection Date: 18-Aug-2016 03:31:30 Instrument ID: CVOAMS4 Operator ID:

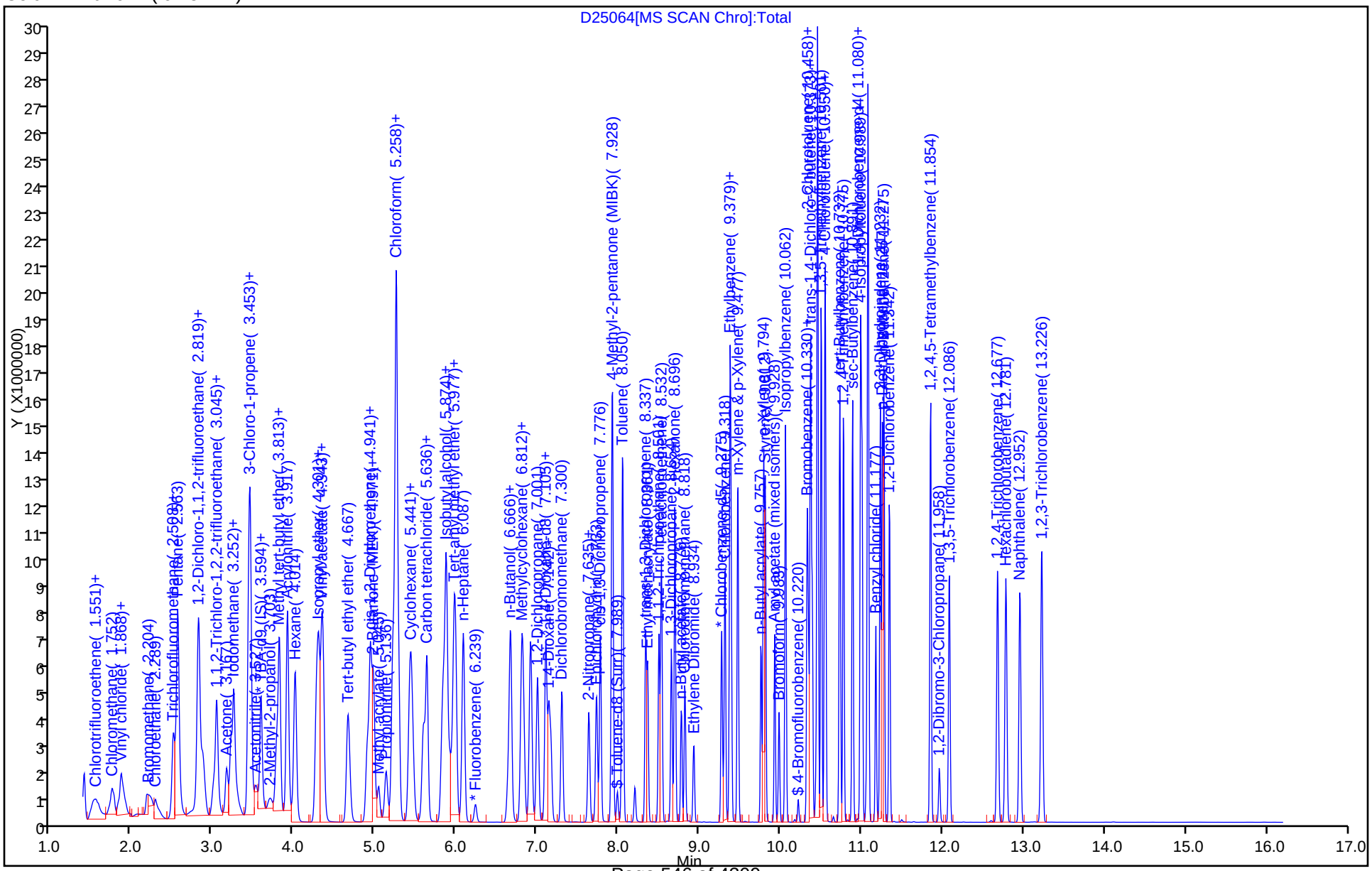
Lims ID: STD500 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Aug-2016 06:20:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0044588-011
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Aug-2016 13:37:06 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: tupayachia Date: 18-Aug-2016 06:52:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.496	1.521	-0.025	1	1049	1.00	0.6904	
2 Dichlorodifluoromethane	85	1.551	1.545	0.006	1	2963	1.00	0.7902	
3 Chloromethane	50	1.759	1.753	0.006	70	4533	1.00	1.27	
4 Vinyl chloride	62	1.820	1.826	-0.006	84	2821	1.00	1.08	
5 Butadiene	54	1.862	1.869	-0.006	92	1850	1.00	1.19	
6 Bromomethane	94	2.173	2.192	-0.019	71	2889	1.00	1.09	
7 Chloroethane	64	2.289	2.289	0.000	95	1658	1.00	1.01	
8 Dichlorofluoromethane	67	2.496	2.509	-0.013	84	3784	1.00	0.8775	
9 Trichlorofluoromethane	101	2.508	2.509	-0.001	96	3672	1.00	1.00	
10 Pentane	72	2.551	2.563	-0.012	94	749	2.00	1.49	
11 Ethyl ether	59	2.801	2.807	-0.006	97	2280	1.00	0.9322	
12 Ethanol	46	2.813	2.813	0.000	63	162	40.0	39.4	
13 2-Methyl-1,3-butadiene	53	2.819	2.826	-0.007	95	2062	1.00	0.7788	
14 1,2-Dichloro-1,1,2-trifluo	117	2.856	2.874	-0.018	41	1712	1.00	0.8824	
15 1,1,2-Trichloro-1,2,2-trif	101	3.002	3.009	-0.007	29	961	1.00	1.01	
16 Acrolein	56	3.008	3.015	-0.007	97	33735	100.0	82.2	
17 1,1-Dichloroethene	96	3.039	3.045	-0.006	95	2267	1.00	0.8671	
18 Acetone	43	3.161	3.167	-0.006	86	6930	5.00	4.96	
19 Iodomethane	142	3.216	3.222	-0.006	99	5633	1.00	1.01	
20 Carbon disulfide	76	3.246	3.252	-0.006	100	8141	1.00	0.8400	
21 Isopropyl alcohol	45	3.301	3.307	-0.006	24	2728	10.0	12.1	
22 3-Chloro-1-propene	76	3.429	3.435	-0.006	87	1697	1.00	0.7961	
23 Cyclopentene	67	3.453	3.454	-0.001	76	5420	1.00	0.7697	
24 Methyl acetate	43	3.453	3.460	-0.007	98	10965	5.00	5.06	
25 Acetonitrile	41	3.520	3.533	-0.013	40	4541	10.0	11.5	
26 Methylene Chloride	84	3.588	3.588	0.000	87	4243	1.00	1.23	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	39	238999	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.691	3.691	0.000	97	4584	10.0	13.2	
29 Methyl tert-butyl ether	73	3.783	3.789	-0.006	94	7018	1.00	1.05	
30 trans-1,2-Dichloroethene	96	3.807	3.819	-0.012	95	3314	1.00	1.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.911	3.911	0.000	93	10279	10.0	9.61	
32 Hexane	57	4.008	4.014	-0.006	91	2915	1.00	0.6851	
33 Isopropyl ether	45	4.276	4.277	-0.001	86	8707	1.00	0.9219	
34 1,1-Dichloroethane	63	4.295	4.301	-0.006	99	5499	1.00	0.9431	
35 Vinyl acetate	86	4.337	4.331	0.006	100	874	2.00	1.88	
36 2-Chloro-1,3-butadiene	88	4.350	4.356	-0.006	90	2321	1.00	0.8652	
37 Tert-butyl ethyl ether	59	4.660	4.661	-0.001	88	8334	1.00	1.07	
* 38 2-Butanone-d5	46	4.892	4.898	-0.006	0	195874	250.0	250.0	
39 2,2-Dichloropropane	79	4.892	4.904	-0.012	47	1439	1.00	1.14	
40 cis-1,2-Dichloroethene	96	4.935	4.935	0.000	94	3628	1.00	1.03	
41 2-Butanone (MEK)	72	4.971	4.972	-0.001	96	1771	5.00	6.36	
42 Ethyl acetate	70	4.984	4.984	0.000	94	544	2.00	2.29	
43 Methyl acrylate	55	5.051	5.039	0.012	37	2230	1.00	1.02	
44 Propionitrile	54	5.130	5.130	0.000	97	3856	10.0	10.1	
45 Tetrahydrofuran	72	5.215	5.209	0.006	53	842	2.00	2.64	
46 Chlorobromomethane	128	5.209	5.215	-0.006	76	1844	1.00	1.05	
47 Methacrylonitrile	67	5.246	5.246	0.000	91	10226	10.0	10.1	
48 Chloroform	83	5.288	5.289	-0.001	97	5629	1.00	1.00	
49 Cyclohexane	56	5.429	5.423	0.006	89	2977	1.00	1.01	
50 1,1,1-Trichloroethane	97	5.447	5.447	0.000	98	4178	1.00	0.9465	
$ 51 Dibromofluoromethane (Surr	113	5.471	5.478	-0.007	98	124564	50.0	47.4	
52 Carbon tetrachloride	117	5.587	5.593	-0.006	98	3659	1.00	0.8982	
53 1,1-Dichloropropene	75	5.636	5.630	0.006	95	3673	1.00	0.9005	
54 Isobutyl alcohol	43	5.843	5.837	0.006	46	4861	25.0	23.6	
55 Benzene	78	5.874	5.874	0.000	96	11252	1.00	0.8963	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	99	119875	50.0	45.2	
57 Tert-amyl methyl ether	73	5.965	5.965	0.000	83	10191	1.00	1.11	
58 Isopropyl acetate	43	5.965	5.971	-0.006	93	7894	1.00	0.9422	
59 1,2-Dichloroethane	62	5.989	5.990	-0.001	94	4384	1.00	1.12	
60 n-Heptane	57	6.075	6.087	-0.012	82	1684	1.00	0.7111	
* 61 Fluorobenzene	96	6.233	6.234	-0.001	99	440170	50.0	50.0	
62 n-Butanol	56	6.660	6.642	0.018	96	1667	25.0	21.4	
63 Trichloroethene	95	6.666	6.666	0.000	95	3078	1.00	1.02	
64 Methylcyclohexane	83	6.812	6.807	0.005	92	3666	1.00	0.7704	
65 Ethyl acrylate	73	6.825	6.831	-0.006	97	166	1.00	0.8421	
66 1,2-Dichloropropane	63	7.001	6.996	0.005	90	2705	1.00	0.9469	
* 67 1,4-Dioxane-d8	96	7.075	7.069	0.006	0	20865	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.099	0.006	91	1425	2.00	2.13	
69 1,4-Dioxane	88	7.123	7.124	-0.001	72	558	20.0	17.9	
70 Dibromomethane	93	7.136	7.136	0.000	90	1974	1.00	1.07	
71 n-Propyl acetate	43	7.166	7.166	0.000	98	3605	1.00	0.99	
72 Dichlorobromomethane	83	7.300	7.300	0.000	96	3491	1.00	0.9403	
73 2-Nitropropane	41	7.623	7.630	-0.007	87	1372	2.00	2.39	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	82	1152	1.00	0.8618	
75 Epichlorohydrin	57	7.721	7.727	-0.006	98	4686	20.0	21.7	
76 cis-1,3-Dichloropropene	75	7.770	7.776	-0.006	92	3680	1.00	0.8737	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	97	11675	5.00	4.96	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	99	411652	50.0	43.2	
79 Toluene	91	8.050	8.050	0.000	94	13566	1.00	1.03	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	97	3339	1.00	0.9353	
81 Ethyl methacrylate	69	8.355	8.361	-0.006	87	2874	1.00	0.9655	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	94	1937	1.00	0.8979	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.526	8.532	-0.006	94	3747	1.00	1.00	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	92	3910	1.00	1.01	
85 2-Hexanone	43	8.696	8.696	0.000	96	8492	5.00	5.66	
86 n-Butyl acetate	73	8.776	8.776	0.000	97	630	1.00	0.9477	
87 Chlorodibromomethane	129	8.818	8.818	0.000	96	2561	1.00	0.8458	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	2377	1.00	0.9434	
* 89 Chlorobenzene-d5	117	9.288	9.288	0.000	85	349398	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	96	8661	1.00	1.07	
91 Ethylbenzene	106	9.373	9.373	0.000	98	4501	1.00	1.04	
92 1,1,1,2-Tetrachloroethane	131	9.385	9.391	-0.006	91	3113	1.00	0.9725	
93 m-Xylene & p-Xylene	106	9.471	9.471	-0.001	99	5961	1.00	1.11	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	1692	1.00	0.9261	
95 o-Xylene	106	9.788	9.794	-0.006	92	5329	1.00	0.99	
96 Styrene	104	9.812	9.812	0.000	97	8138	1.00	0.9851	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	90	4191	1.00	0.7476	
98 Bromoform	173	9.983	9.983	0.000	85	2165	1.00	1.04	
99 Isopropylbenzene	105	10.062	10.062	0.000	95	13115	1.00	0.9367	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	96	158292	50.0	42.3	
101 Bromobenzene	156	10.330	10.330	0.000	90	4576	1.00	0.99	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	95	3481	1.00	0.8723	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	16378	1.00	0.8061	
104 1,2,3-Trichloropropane	110	10.385	10.385	0.000	95	1081	1.00	0.9097	
105 trans-1,4-Dichloro-2-buten	53	10.397	10.391	0.006	66	935	1.00	0.8142	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	14241	1.00	0.8625	
107 2-Chlorotoluene	91	10.458	10.458	0.000	98	11777	1.00	0.8550	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	11710	1.00	0.8066	
109 4-Chlorotoluene	91	10.543	10.544	-0.001	97	10444	1.00	0.8880	
110 Butyl Methacrylate	87	10.556	10.556	0.000	92	3297	1.00	0.7731	
111 tert-Butylbenzene	119	10.732	10.733	-0.001	95	8888	1.00	0.8145	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	12225	1.00	0.9270	
113 sec-Butylbenzene	105	10.885	10.891	-0.006	99	14237	1.00	0.9208	
114 4-Isopropyltoluene	119	10.989	10.989	-0.001	97	12876	1.00	0.9079	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	97	8797	1.00	1.13	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	94	215718	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	91	9224	1.00	1.17	
118 Benzyl chloride	126	11.177	11.178	-0.001	98	1069	1.00	0.8347	
119 2,3-Dihydroindene	117	11.232	11.233	-0.001	93	13566	1.00	1.24	
120 p-Diethylbenzene	119	11.257	11.257	0.000	93	8609	1.00	1.00	
121 n-Butylbenzene	92	11.275	11.275	0.000	98	7195	1.00	0.9572	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	97	8712	1.00	1.11	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	97	13390	1.00	1.02	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.958	0.006	94	836	1.00	0.9593	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	97	8514	1.00	1.26	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	7925	1.00	1.20	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	95	3586	1.00	1.03	
128 Naphthalene	128	12.952	12.952	0.000	99	15370	1.00	1.18	
129 1,2,3-Trichlorobenzene	180	13.226	13.220	0.006	95	8344	1.00	1.27	
S 130 1,2-Dichloroethene, Total	100				0		2.00	2.04	
S 135 1,3-Dichloropropene, Total	100				0		2.00	1.81	
S 131 Xylenes, Total	100				0		2.00	2.10	
S 132 Total BTEX	1				0		5.00	5.07	

Reagents:

8260MIX1COMB_00042	Amount Added:	1.00	Units: uL	
ACROLEIN W_00053	Amount Added:	10.00	Units: uL	
GASES Li_00167	Amount Added:	1.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Aug-2016 13:37:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Injection Date: 18-Aug-2016 06:20:30 Instrument ID: CVOAMS4 Operator ID:

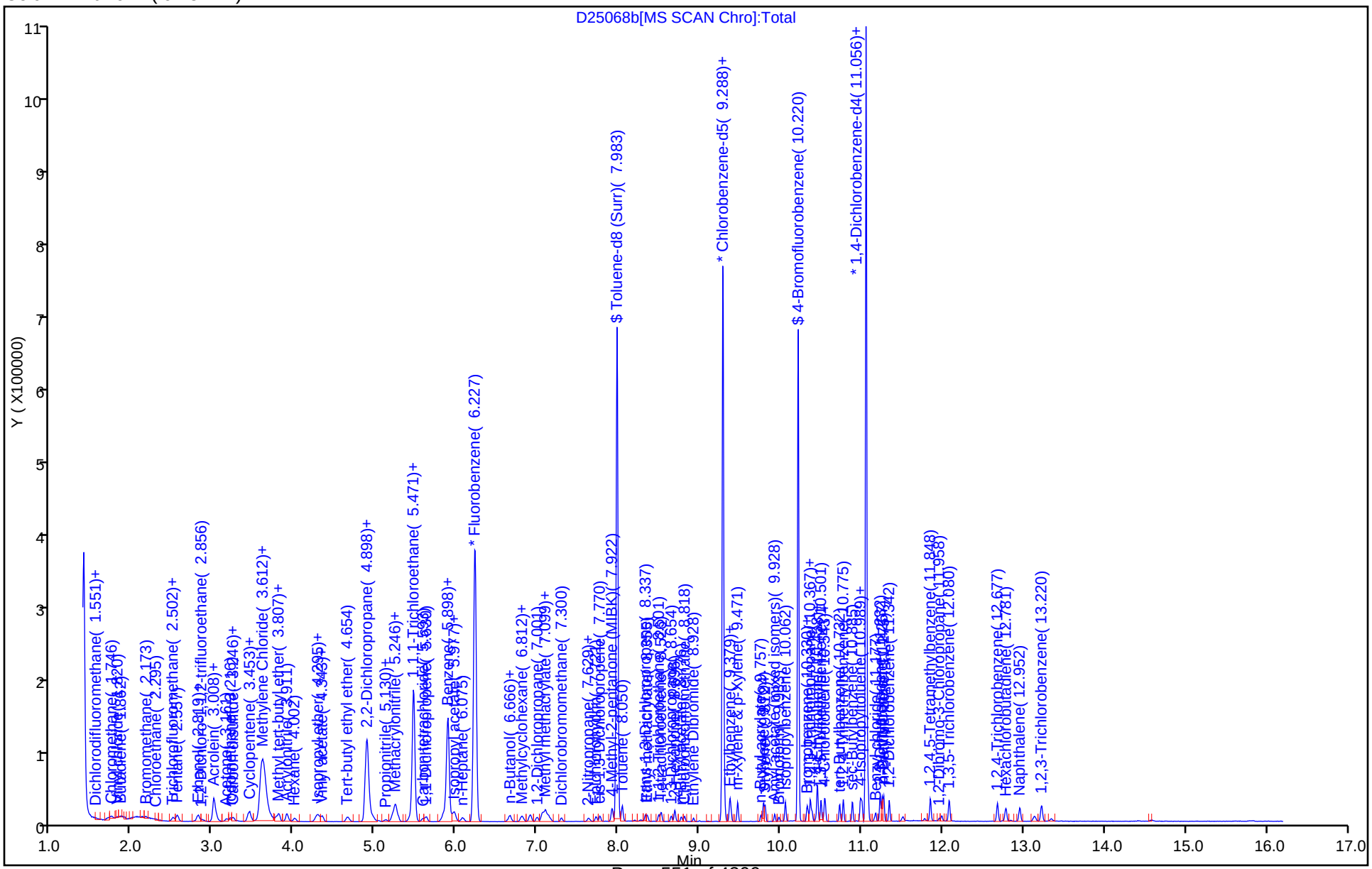
Lims ID: STD1 Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-384133/2	J44242.D
Level 2	STD1 460-384133/3	J44243.D
Level 3	STD5 460-384133/15	J44255.D
Level 4	STD20 460-384133/5	J44245.D
Level 5	STD50 460-384133/6	J44246.D
Level 6	STD200 460-384133/7	J44247.D
Level 7	STD500 460-384133/8	J44248.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0304	0.0577 0.0290	0.0330	0.0264	0.0355	Qua	0.0254	0.0316	-0.000005						1.0000		0.9900
Dichlorodifluoromethane	+++++ 0.2437	0.2852 0.2408	0.2861	0.2516	0.2519	Ave		0.2599			0.1000	7.9		20.0			
Chloromethane	+++++ 0.2891	0.3989 0.2560	0.2999	0.3055	0.3036	Ave		0.3088			0.1000	15.5		20.0			
Vinyl chloride	+++++ 0.2726	0.3215 0.2418	0.2901	0.2789	0.2858	Ave		0.2818			0.1000	9.2		20.0			
Butadiene	+++++ 0.2245	0.2767 0.2115	0.2801	0.2338	0.2511	Ave		0.2463				11.4		20.0			
Bromomethane	+++++ 0.1422	0.2143 0.1418	0.1857	0.1666	0.1445	Ave		0.1658			0.1000	17.8		20.0			
Chloroethane	+++++ 0.1412	0.1937 0.1327	0.1475	0.1559	0.1473	Ave		0.1531			0.1000	13.9		20.0			
Dichlorofluoromethane	+++++ 0.3879	0.4763 0.3551	0.4332	0.4194	0.4120	Ave		0.4140				9.9		20.0			
Trichlorofluoromethane	+++++ 0.3196	0.3462 0.3065	0.3505	0.3215	0.3416	Ave		0.3310			0.1000	5.3		20.0			
Pentane	+++++ 1.1593	1.7545 1.2005	1.3110	0.8630	1.3596	Qua	2.0150	1.1456	0.0000522						0.9990		0.9900
Ethanol	+++++ 0.0415	0.0428 0.0421	0.0469	0.0313	0.0431	Ave		0.0413				12.7		20.0			
Ethyl ether	+++++ 0.1706	0.2247 0.1506	0.1939	0.1819	0.1858	Ave		0.1846				13.4		20.0			
2-Methyl-1,3-butadiene	+++++ 0.1862	0.1953 0.1796	0.1760	0.1477	0.2062	Ave		0.1818				11.0		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.1645	0.2296 0.1510	0.1755	0.1390	0.1764	Ave		0.1727				18.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1739	0.1582 0.1677	0.0944	0.0927	0.1914	Lin	-0.049	0.1688			0.1000				0.9990		0.9900
Acrolein	+++++ 1.9932	2.4905 1.5589	1.8522	1.9727	1.6953	Ave		1.9271				16.7		20.0			
1,1-Dichloroethene	+++++ 0.2081	0.2739 0.1852	0.2056	0.1861	0.2262	Ave		0.2142			0.1000	15.4		20.0			
Acetone	+++++ 0.6405	1.1288 0.7512	0.9183	0.8297	0.8886	Ave		0.8595			0.0500	19.3		20.0			
Iodomethane	+++++ 0.3336	0.3496 0.2850	0.3197	0.3084	0.3434	Ave		0.3233				7.5		20.0			
Carbon disulfide	+++++ 0.7214	1.0122 0.6224	0.7891	0.6933	0.7723	Ave		0.7685			0.1000	17.4		20.0			
Isopropyl alcohol	+++++ 0.5793	0.9048 0.5985	0.6213	0.6136	0.6152	Ave		0.6555				18.8		20.0			
Allyl chloride	+++++ 0.1203	0.1543 0.1058	0.1395	0.1197	0.1306	Ave		0.1284				13.3		20.0			
Cyclopentene	+++++ 0.5343	0.5623 0.5002	0.5456	0.4545	0.6018	Ave		0.5331				9.6		20.0			
Methyl acetate	+++++ 0.1433	0.1765 0.1215	0.1637	0.1556	0.1668	Ave		0.1546			0.1000	12.7		20.0			
Acetonitrile	+++++ 1.4175	1.4820 1.4724	1.5022	1.4367	1.4839	Ave		1.4658				2.2		20.0			
Methylene Chloride	+++++ 0.2209	0.3237 0.1987	0.2618	0.2309	0.2375	Ave		0.2456			0.1000	17.7		20.0			
2-Methyl-2-propanol	+++++ 0.9599	3.7736 0.9203	1.3385	1.1081	1.0453	Lin2	28.241	0.9232							0.9920		0.9900
Methyl tert-butyl ether	+++++ 0.6105	0.7544 0.5522	0.7307	0.6612	0.6948	Ave		0.6673			0.1000	11.4		20.0			
trans-1,2-Dichloroethene	+++++ 0.2214	0.3035 0.1968	0.2409	0.2221	0.2434	Ave		0.2380			0.1000	15.2		20.0			
Acrylonitrile	4.5577 4.0272	4.9121 3.4207	4.7188	4.3030	4.3326	Ave		4.3246				11.4		20.0			
Hexane	+++++ 0.1540	0.1823 0.1399	0.0728	0.0596	0.1735	QuaF		0.1626	-0.000045						0.9990		0.9900
Isopropyl ether	+++++ 0.6591	0.7801 0.6005	0.7417	0.7199	0.7485	Ave		0.7083				9.4		20.0			
1,1-Dichloroethane	+++++ 0.4087	0.5059 0.3706	0.4677	0.4216	0.4439	Ave		0.4364			0.2000	10.8		20.0			
Vinyl acetate	+++++ 0.4090	0.4693 0.2123	0.3928	0.4117	0.1915	Ave		0.3478				33.4	*	20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chloro-1,3-butadiene	+++++ 0.2004	0.2032 0.1966	0.1891	0.1886	0.2215	Ave		0.1999				6.1		20.0			
Tert-butyl ethyl ether	+++++ 0.6777	0.8083 0.6542	0.7453	0.7471	0.7639	Ave		0.7328				7.8		20.0			
2,2-Dichloropropane	+++++ 0.0946	0.1840 0.0841	0.1218	0.1066	0.1044	Qua2	0.0800	0.1043	-0.000042						1.0000		0.9900
cis-1,2-Dichloroethene	+++++ 0.2481	0.3175 0.2171	0.2842	0.2520	0.2666	Ave		0.2642			0.1000	13.0		20.0			
2-Butanone (MEK)	+++++ 0.2563	0.2994 0.2611	0.3169	0.2897	0.3038	Ave		0.2879			0.0500	8.4		20.0			
Ethyl acetate	+++++ 0.2808	0.4189 0.2910	0.3279	0.3029	0.2877	Ave		0.3182				16.3		20.0			
Methyl acrylate	+++++ 0.1846	0.2595 0.1831	0.1945	0.1981	0.1996	Ave		0.2032				14.0		20.0			
Propionitrile	+++++ 1.5377	1.7368 1.5718	1.6359	1.5627	1.6160	Ave		1.6101				4.5		20.0			
Tetrahydrofuran	+++++ 0.2940	0.4207 0.2773	0.3461	0.2999	0.3151	Ave		0.3255				16.0		20.0			
Chlorobromomethane	+++++ 0.1174	0.1652 0.1062	0.1253	0.1234	0.1267	Ave		0.1274				15.7		20.0			
Methacrylonitrile	+++++ 0.0816	0.0996 0.0734	0.0934	0.0941	0.0955	Ave		0.0896				11.1		20.0			
Chloroform	+++++ 0.3799	0.4938 0.3284	0.4252	0.4035	0.4192	Ave		0.4083			0.2000	13.4		20.0			
Cyclohexane	+++++ 0.2866	0.2344 0.2604	0.1516	0.1266	0.3132	QuaF		0.3016	-0.000082		0.1000				0.9990		0.9900
1,1,1-Trichloroethane	+++++ 0.3270	0.4202 0.2940	0.3335	0.2958	0.3454	Ave		0.3360			0.1000	13.7		20.0			
Carbon tetrachloride	+++++ 0.2818	0.3188 0.2583	0.2418	0.2136	0.2996	Ave		0.2690			0.1000	14.4		20.0			
1,1-Dichloropropene	+++++ 0.3095	0.3789 0.2805	0.3005	0.2563	0.3246	Ave		0.3084				13.6		20.0			
Isobutyl alcohol	+++++ 0.5300	0.6173 0.4910	0.5608	0.5244	0.5608	Ave		0.5474				7.9		20.0			
2,2,4-Trimethylpentane	+++++ 0.3085	0.3600 0.3126	0.3629	0.2492	0.3483	Ave		0.3236				13.4		20.0			
Benzene	+++++ 1.1375	1.4165 0.9869	1.3697	1.1952	1.2386	Ave		1.2241			0.5000	12.8		20.0			
Tert-amyl methyl ether	+++++ 0.6348	0.7561 0.6174	0.6759	0.6741	0.6902	Ave		0.6747				7.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropyl acetate	+++++ 0.5962	0.7049 0.5617	0.6531	0.6505	0.6534	Ave		0.6366				7.9		20.0			
1,2-Dichloroethane	+++++ 0.3133	0.4023 0.2842	0.3477	0.3219	0.3306	Ave		0.3333			0.1000	11.9		20.0			
n-Heptane	+++++ 0.0700	0.0931 0.0639	0.0292	0.0245	0.0750	QuaF		0.0731	-0.000018						0.9990		0.9900
n-Butanol	+++++ 0.2594	0.3587 0.2715	0.2830	0.2853	0.2918	Ave		0.2916				11.9		20.0			
Trichloroethene	+++++ 0.2288	0.2894 0.2171	0.2608	0.2205	0.2635	Ave		0.2467			0.2000	11.7		20.0			
Methylcyclohexane	+++++ 0.2178	0.2352 0.2029	0.0947	0.0846	0.2404	QuaF		0.2262	-0.000046		0.1000				0.9990		0.9900
Ethyl acrylate	+++++ 0.4368	0.4553 0.4178	0.3622	0.3583	0.4839	Ave		0.4191				12.1		20.0			
1,2-Dichloropropane	+++++ 0.2277	0.2942 0.2086	0.2416	0.2356	0.2482	Ave		0.2427			0.1000	11.8		20.0			
Methyl methacrylate	+++++ 0.0647	0.0785 0.0648	0.0732	0.0705	0.0705	Ave		0.0704				7.4		20.0			
1,4-Dioxane	+++++ 0.8696	0.9313 0.6656	0.8785	0.9159	0.9654	Ave		0.8710				12.2		20.0			
Dibromomethane	+++++ 0.1389	0.1950 0.1234	0.1549	0.1415	0.1512	Ave		0.1508				16.1		20.0			
n-Propyl acetate	+++++ 0.2892	0.3767 0.2877	0.3061	0.3233	0.3131	Ave		0.3160				10.4		20.0			
Dichlorobromomethane	+++++ 0.3115	0.3950 0.2835	0.3629	0.3157	0.3292	Ave		0.3329			0.2000	12.0		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1389	0.1589 0.1517	0.1587	0.1592	0.1695	Ave		0.1561				6.5		20.0			
2-Nitropropane	+++++ 0.0662	0.0911 0.0662	0.0716	0.0695	0.0689	Ave		0.0722				13.1		20.0			
Epichlorohydrin	0.2718 0.2306	0.3047 0.2146	0.2773	0.2458	0.2482	Ave		0.2561				11.9		20.0			
cis-1,3-Dichloropropene	+++++ 0.4923	0.6093 0.4571	0.5912	0.5272	0.5299	Ave		0.5345			0.2000	10.8		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.1074	2.6924 1.8820	2.5530	2.2881	2.2951	Ave		2.3030			0.0500	12.7		20.0			
Toluene	+++++ 1.2159	1.6983 1.0662	1.4145	1.2379	1.3319	Ave		1.3275			0.4000	16.3		20.0			
trans-1,3-Dichloropropene	+++++ 0.4573	0.5614 0.4195	0.5238	0.4722	0.4832	Ave		0.4863			0.1000	10.3		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	+++++ 0.2944	0.3960 0.2636	0.3157	0.3068	0.3091	Ave		0.3143				14.0		20.0			
1,1,2-Trichloroethane	+++++ 0.2244	0.3183 0.2100	0.2576	0.2381	0.2436	Ave		0.2487			0.1000	15.2		20.0			
Tetrachloroethene	+++++ 0.2846	0.3358 0.2649	0.2738	0.2281	0.2994	Ave		0.2811			0.2000	12.8		20.0			
1,3-Dichloropropane	+++++ 0.4501	0.5104 0.4103	0.4901	0.4664	0.4733	Ave		0.4668				7.4		20.0			
2-Hexanone	+++++ 0.8726	1.1946 0.8321	0.9899	0.9583	0.9671	Ave		0.9691			0.0500	13.0		20.0			
n-Butyl acetate	+++++ 0.4117	0.5226 0.4178	0.4377	0.4543	0.4386	Ave		0.4471				9.0		20.0			
Chlorodibromomethane	+++++ 0.3236	0.3717 0.3039	0.3429	0.3247	0.3436	Ave		0.3351			0.1000	6.9		20.0			
Ethylene Dibromide	+++++ 0.2733	0.3428 0.2586	0.3028	0.2865	0.2974	Ave		0.2936			0.1000	9.9		20.0			
Chlorobenzene	+++++ 0.8175	1.0104 0.7278	0.9307	0.8325	0.8834	Ave		0.8670			0.5000	11.3		20.0			
Ethylbenzene	+++++ 0.4103	0.4818 0.3670	0.4703	0.3854	0.4458	Ave		0.4267			0.1000	10.9		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3007	0.3262 0.2745	0.3391	0.3017	0.3255	Ave		0.3113				7.5		20.0			
m-Xylene & p-Xylene	+++++ 0.5276	0.6293 0.4740	0.5837	0.4977	0.5659	Ave		0.5464			0.1000	10.6		20.0			
n-Butyl acrylate	+++++ 0.2308	0.2953 0.2317	0.2588	0.2566	0.2471	Ave		0.2534				9.4		20.0			
o-Xylene	+++++ 0.5285	0.5774 0.4631	0.5875	0.5292	0.5704	Ave		0.5427			0.3000	8.5		20.0			
Styrene	+++++ 0.9184	1.1698 0.7853	1.0482	0.9323	1.0087	Ave		0.9771			0.3000	13.4		20.0			
Amyl acetate (mixed isomers)	+++++ 0.8044	1.0696 0.8147	1.0184	0.9850	0.9379	Ave		0.9383				11.6		20.0			
Bromoform	+++++ 0.2129	0.2984 0.2022	0.2327	0.2070	0.2202	Ave		0.2289			0.1000	15.6		20.0			
Isopropylbenzene	+++++ 1.1397	1.3116 0.9653	1.1972	1.0027	1.2296	Ave		1.1410			0.1000	11.8		20.0			
Bromobenzene	+++++ 0.5923	0.7636 0.5575	0.6786	0.6436	0.6761	Ave		0.6520				11.1		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5732	0.7623 0.5094	0.7031	0.6493	0.5810	Ave		0.6297			0.3000	14.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	+++++ 2.0148	2.8394 1.7580	2.3970	1.9659	2.4067	Ave		2.2303				17.6		20.0			
1,2,3-Trichloropropane	+++++ 0.1600	0.2367 0.1545	0.2097	0.1852	0.1848	Ave		0.1885				16.4		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1594	0.2682 0.1568	0.1860	0.1879	0.1785	Qua2	0.0917	0.1755	-0.000043						0.9980		0.9900
4-Ethyltoluene	+++++ 1.7608	2.4330 1.6474	2.1160	1.9969	2.1604	Ave		2.0191				14.1		20.0			
2-Chlorotoluene	+++++ 1.5593	2.1906 1.3588	2.0171	1.7054	1.8879	Ave		1.7865				17.1		20.0			
1,3,5-Trimethylbenzene	+++++ 1.5986	2.0802 1.4042	1.8920	1.6515	1.8757	Ave		1.7503				13.9		20.0			
4-Chlorotoluene	+++++ 1.5412	2.1009 1.3663	1.8623	1.6542	1.8136	Ave		1.7231				15.0		20.0			
Butyl Methacrylate	+++++ 0.7330	0.8365 0.7155	0.8281	0.8279	0.8364	Ave		0.7962				7.1		20.0			
tert-Butylbenzene	+++++ 1.2181	1.5846 1.1030	1.3109	1.0957	1.3816	Ave		1.2823				14.5		20.0			
1,2,4-Trimethylbenzene	+++++ 1.6865	2.2101 1.4293	2.0398	1.8114	2.0203	Ave		1.8662				15.1		20.0			
sec-Butylbenzene	+++++ 1.6088	2.0825 1.4203	1.6290	1.3574	1.8767	Ave		1.6625				16.5		20.0			
4-Isopropyltoluene	+++++ 1.4902	1.9521 1.2478	1.6228	1.3643	1.7353	Ave		1.5688				16.3		20.0			
1,3-Dichlorobenzene	+++++ 0.9960	1.4177 0.8550	1.1779	1.0785	1.1489	Ave		1.1123			0.6000	17.0		20.0			
1,4-Dichlorobenzene	+++++ 1.0311	1.4052 0.8736	1.2140	1.0984	1.2151	Ave		1.1396			0.5000	16.0		20.0			
Benzyl chloride	+++++ 0.9384	1.5554 +++++	1.3493	1.3964	1.1158	Ave		1.2711				19.2		20.0			
Indan	+++++ 1.9590	2.3440 1.7246	2.3642	2.2887	2.3567	Ave		2.1729				12.3		20.0			
p-Diethylbenzene	+++++ 0.8677	1.1559 0.8169	1.0365	0.8985	1.0293	Ave		0.9675				13.2		20.0			
n-Butylbenzene	+++++ 1.4487	1.8528 +++++	1.5786	1.3281	1.6940	Ave		1.5804				13.0		20.0			
1,2-Dichlorobenzene	+++++ 1.0182	1.3479 0.8896	1.1982	1.0919	1.1848	Ave		1.1218			0.4000	14.2		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.4187	1.8086 1.3129	1.6572	1.6079	1.7285	Ave		1.5890				11.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	+++++ 0.0980	0.1435 0.0952	0.1112	0.1080	0.1087	Ave		0.1108			0.0500	15.6		20.0			
1,3,5-Trichlorobenzene	+++++ 0.5533	0.7284 0.5552	0.6530	0.6141	0.6682	Ave		0.6287				10.9		20.0			
1,2,4-Trichlorobenzene	+++++ 0.5419	0.6920 0.5057	0.5628	0.5159	0.6110	Ave		0.5716			0.2000	12.2		20.0			
Hexachlorobutadiene	+++++ 0.2150	0.3199 0.2010	0.2719	0.1660	0.2457	QuaF		0.2262	-0.000050						1.0000		0.9900
Naphthalene	+++++ 1.4399	1.3959 1.3201	1.4318	1.4051	1.6081	Ave		1.4335				6.7		20.0			
1,2,3-Trichlorobenzene	+++++ 0.4624	0.4540 0.4411	0.4755	0.4471	0.5265	Ave		0.4678				6.7		20.0			
Dibromofluoromethane (Surr)	0.2373 0.2346	0.2413 0.2338	0.2301	0.2353	0.2389	Ave		0.2359				1.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2793 0.2872	0.2829 0.2796	0.2684	0.2809	0.2818	Ave		0.2800				2.1		20.0			
Toluene-d8 (Surr)	1.2717 1.3061	1.3218 1.3323	1.2941	1.2837	1.2618	Ave		1.2959				2.0		20.0			
4-Bromofluorobenzene	0.4112 0.4148	0.4189 0.4374	0.3989	0.4127	0.4039	Ave		0.4140				3.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-384133/2	J44242.D
Level 2	STD1 460-384133/3	J44243.D
Level 3	STD5 460-384133/15	J44255.D
Level 4	STD20 460-384133/5	J44245.D
Level 5	STD50 460-384133/6	J44246.D
Level 6	STD200 460-384133/7	J44247.D
Level 7	STD500 460-384133/8	J44248.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Qua	+++++ 76630	715 189962	2142	6523	22010	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 614233	3533 1577681	18558	62117	155999	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 728753	4941 1676788	19449	75429	188007	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 687185	3982 1584124	18816	68873	176985	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	+++++ 565894	3427 1385615	18163	57731	155481	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 358483	2655 928613	12045	41133	89446	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 355974	2400 869577	9569	38482	91217	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 977838	5900 2326117	28096	103541	255083	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 805580	4288 2008052	22729	79378	211502	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Qua	+++++ 109758	814 293425	2954	8106	32613	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd 9	Ave	+++++ 78612	397 205972	2114	5885	20699	+++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	+++++ 430037	2783 986773	12574	44917	115023	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 469358	2419 1176449	11417	36458	127678	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 414710	2844 988877	11383	34309	109223	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin	+++++ 438262	1960 1098910	6123	22876	118491	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acrolein	TBAd9	Ave	+++++ 94355	2311 152410	8347	18530	40666	+++++ 200	4.00 400	20.0	40.0	100
1,1-Dichloroethene	FB	Ave	+++++ 524640	3393 1212937	13335	45953	140070	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 710667	6137 2077292	25430	94089	247942	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 840890	4331 1867013	20737	76133	212607	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon disulfide	FB	Ave	+++++ 1818442	12538 4077238	51179	171184	478190	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 274231	2099 731451	7000	28816	73784	+++++ 2000	10.0 5000	50.0	200	500
Allyl chloride	FB	Ave	+++++ 303107	1911 693294	9046	29552	80871	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclopentene	FB	Ave	+++++ 1346867	6965 3276840	35384	112230	372614	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 1805925	10934 3979592	53078	192091	516489	+++++ 1000	5.00 2500	25.0	100	250
Acetonitrile	TBAd9	Ave	+++++ 671013	3438 1799417	16924	67474	177981	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 556716	4010 1301930	16978	57008	147054	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Lin2	+++++ 454393	8754 1124675	15080	52043	125375	+++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	+++++ 1538737	9345 3617177	47390	163245	430198	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 558140	3759 1289325	15622	54833	150726	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	TBAd9	Ave	1978 1906412	11395 4180482	53163	202092	519655	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	QuaF	+++++ 388219	2258 916347	4723	14711	107422	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 1661325	9663 3933589	48103	177745	463476	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1030187	6267 2427721	30336	104091	274842	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 2062028	11627 2782057	50956	203283	237174	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 505231	2517 1288228	12266	46556	137143	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 1708233	10013 4285575	48338	184455	472976	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,2-Dichloropropane	FB	Qua2	+++++ 238353	2279 551137	7901	26322	64617	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 625244	3933 1422046	18435	62210	165102	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	+++++ 284420	1628 722088	8776	32853	84760	+++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Ave	+++++ 124644	911 321900	3632	13741	32113	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 465367	3215 1199370	12616	48914	123563	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd9	Ave	+++++ 727934	4029 1920897	18430	73393	193818	+++++ 2000	10.0 5000	50.0	200	500
Tetrahydrofuran	BUT	Ave	+++++ 130470	915 306793	3834	13602	35172	+++++ 400	2.00 1000	10.0	40.0	100
Chlorobromomethane	FB	Ave	+++++ 295986	2047 695657	8124	30465	78468	+++++ 200	1.00 500	5.00	20.0	50.0
Methacrylonitrile	FB	Ave	+++++ 2057893	12334 4811039	60557	232426	591481	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 957616	6117 2151241	27579	99635	259546	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	QuaF	+++++ 722467	2903 1706142	9835	31266	193943	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 824273	5205 1926086	21628	73025	213872	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 710287	3949 1692136	15683	52749	185504	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 780229	4693 1837589	19489	63287	200970	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	+++++ 627255	3580 1500287	15794	61574	168144	+++++ 5000	25.0 12500	125	500	1250
2,2,4-Trimethylpentane	FB	Ave	+++++ 777476	4459 2048092	23535	61525	215641	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZd5	Ave	+++++ 2281795	13710 5021261	68029	232437	611640	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 1600117	9366 4044781	43834	166428	427366	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 1502674	8732 3679340	42360	160613	404540	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 789770	4983 1861489	22548	79484	204703	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	QuaF	+++++ 176463	1153 418587	1891	6050	46444	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butanol	TBAd9	Ave	+++++ 306961	2080 829405	7970	33497	87498	+++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	+++++ 576746	3585 1422273	16913	54433	163169	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	QuaF	+++++ 548919	2914 1329484	6140	20880	148843	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 1100936	5640 2737211	23489	88471	299638	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 573896	3644 1366611	15672	58177	153660	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 326242	1944 849331	9494	34838	87279	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 108235	1413 267535	2724	11468	29628	+++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	+++++ 350121	2416 808588	10045	34941	93638	+++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	+++++ 728955	4666 1884420	19854	79822	193891	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 785087	4893 1857008	23537	77942	203811	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 350208	1968 993508	10294	39299	104947	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Ave	+++++ 333550	2258 867847	9286	34314	85275	+++++ 400	2.00 1000	10.0	40.0	100
Epichlorohydrin	BUT	Ave	1474 1023270	6626 2373609	30717	111502	277049	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 987502	5897 2325753	29362	102527	261685	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 2338349	14638 5204511	70699	259467	640392	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZd5	Ave	+++++ 2438942	16438 5424467	70254	240743	657708	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZd5	Ave	+++++ 917348	5434 2134528	26015	91834	238615	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	Ave	+++++ 741949	4905 1726521	20475	75755	191389	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 450190	3081 1068235	12793	46297	120314	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZd5	Ave	+++++ 570931	3250 1347891	13600	44360	147839	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZd5	Ave	+++++ 902826	4940 2087394	24342	90699	233710	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Hexanone	BUT	Ave	+++++ 968252	6495 2301165	27414	108666	269850	+++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ d5	Ave	+++++ 825756	5058 2125662	21739	88339	216594	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 649090	3598 1545966	17030	63145	169660	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 548253	3318 1315566	15039	55707	146851	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1639825	9780 3702742	46225	161901	436211	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 823083	4663 1867113	23357	74943	220129	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 603264	3157 1396574	16842	58664	160737	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1058360	6091 2411450	28991	96797	279436	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 463035	2858 1178903	12855	49892	122008	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1060150	5589 2356234	29178	102924	281689	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1842307	11322 3995669	52060	181302	498111	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 998406	5838 2485778	29014	110378	265687	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 426993	2888 1028971	11555	40248	108740	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 2286132	12695 4911366	59460	194989	607194	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 735185	4168 1700928	19332	72120	191529	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 711471	4161 1554252	20032	72765	164566	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 2500748	15498 5364158	68288	220293	681738	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 198602	1292 471272	5974	20748	52359	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Qua2	+++++ 197789	1464 478528	5299	21060	50561	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 2185493	13280 5026450	60283	223775	611964	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 1935381	11957 4146088	57466	191105	534774	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 1984126	11354 4284432	53902	185065	531316	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 1912971	11467 4168773	53054	185366	513723	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 909742	4566 2183218	23592	92779	236915	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 1511929	8649 3365546	37347	122782	391362	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 2093313	12063 4361023	58111	202983	572280	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1996875	11367 4333620	46409	152105	531592	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 1849609	10655 3807344	46233	152880	491565	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1236171	7738 2608929	33558	120854	325441	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1279808	7670 2665424	34587	123082	344188	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 1164748	8490 +++++	38440	156482	316059	+++++ 200	1.00 +++++	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 2431504	12794 5262230	67354	256471	667564	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 1077030	6309 2492516	29530	100688	291573	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1798126	10113 +++++	44974	148822	479846	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1263752	7357 2714462	34137	122361	335610	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 1760810	9872 4005855	47211	180184	489621	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 121691	783 290437	3169	12097	30783	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 686716	3976 1694194	18603	68815	189287	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 672580	3777 1543095	16034	57816	173067	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	QuaF	+++++ 266808	1746 613444	7747	18597	69586	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 1787209	7619 4028064	40791	157454	455527	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 573971	2478 1345803	13546	50102	149126	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384133

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2016 21:16 Calibration End Date: 08/11/2016 03:30 Calibration ID: 57218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	145955 147817	149436 153170	149264	145256	147900	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	171780 180962	175207 183131	174065	173359	174472	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	633701 655014	639669 677865	642735	624121	623068	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	204916 208013	202726 222547	198109	200645	199472	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44242.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 10-Aug-2016 21:16:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0044330-002
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub49

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Aug-2016 15:32:45 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: martineze Date: 11-Aug-2016 11:31:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	2.832	2.833	-0.001	80	216994	1000.0	1000.0	
31 Acrylonitrile	53	3.173	3.174	-0.001	67	1978	2.00	2.11	
* 38 2-Butanone-d5	46	4.178	4.179	-0.001	86	271165	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.742	4.749	-0.007	97	145955	50.0	50.3	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.165	5.160	0.005	97	171780	50.0	49.9	
* 62 Fluorobenzene	96	5.482	5.483	-0.001	98	615121	50.0	50.0	
* 68 1,4-Dioxane-d8	96	6.293	6.288	0.005	92	27466	1000.0	1000.0	
76 Epichlorohydrin	57	7.057	7.052	0.005	55	1474	5.00	5.31	
$ 79 Toluene-d8 (Surr)	98	7.380	7.381	-0.001	100	633701	50.0	49.1	
* 90 Chlorobenzene-d5	117	9.313	9.314	-0.001	87	498302	50.0	50.0	
$ 101 4-Bromofluorobenzene	174	10.505	10.501	0.004	90	204916	50.0	49.7	
* 117 1,4-Dichlorobenzene-d4	152	11.387	11.382	0.005	96	280252	50.0	50.0	

Reagents:

ACROLEIN W_00053	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00046	Amount Added:	0.00	Units: uL	
MIX I Hi_00061	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00023	Amount Added:	2.00	Units: uL	
14DIOXINTER_00059	Amount Added:	0.00	Units: uL	
GAS Hi_00160	Amount Added:	0.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

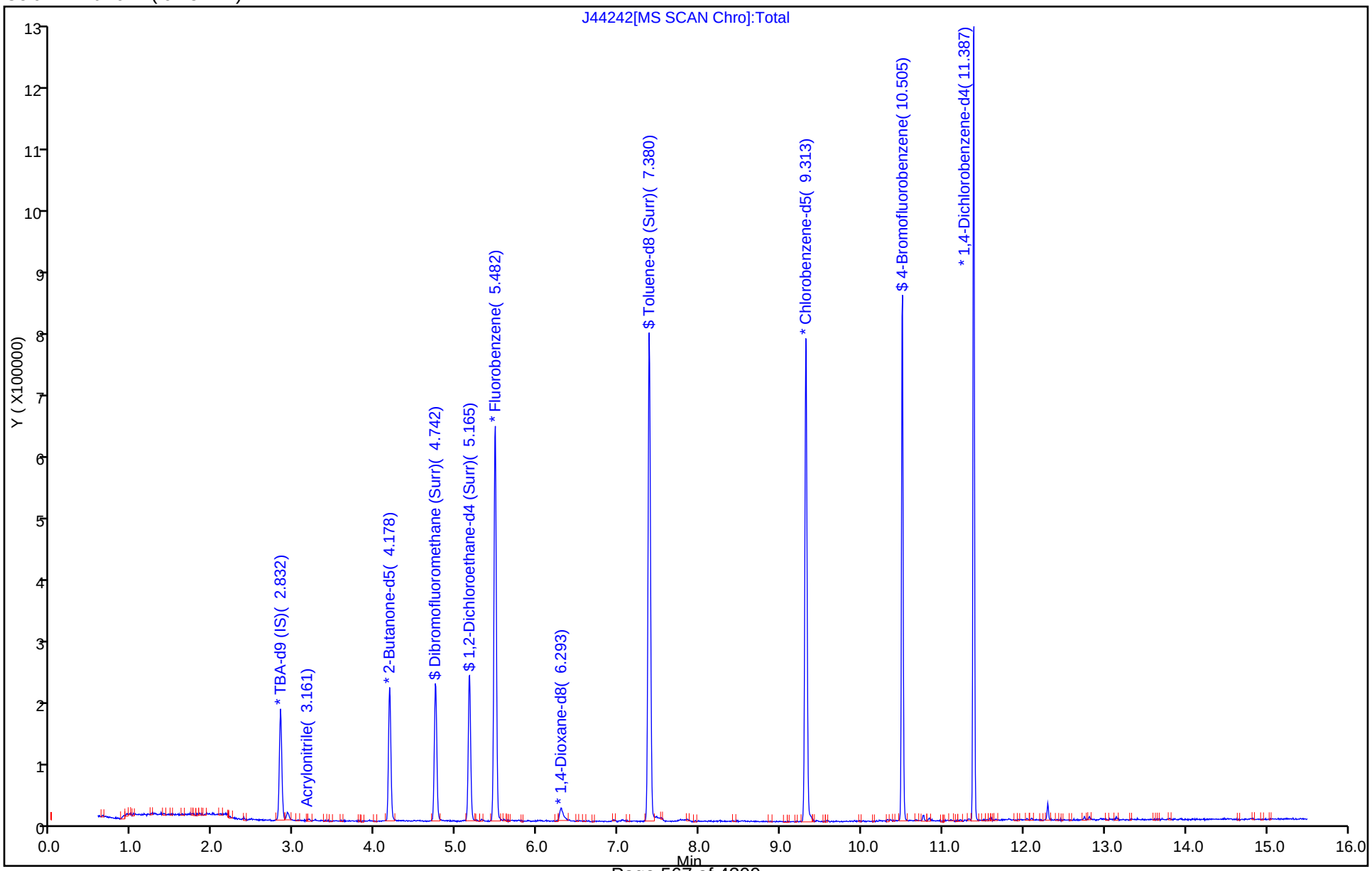
Report Date: 12-Aug-2016 15:33:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44242.D

Injection Date:	10-Aug-2016 21:16:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 10-Aug-2016 21:54:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0044330-003
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub49

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Aug-2016 15:34:09 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 10-Aug-2016 22:16:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.635	0.636	-0.001	87	715	1.00	1.02	M
2 Dichlorodifluoromethane	85	0.676	0.671	0.005	68	3533	1.00	1.10	
3 Chloromethane	50	0.882	0.877	0.005	99	4941	1.00	1.29	
4 Vinyl chloride	62	0.988	0.983	0.005	95	3982	1.00	1.14	
5 Butadiene	54	1.023	1.018	0.005	94	3427	1.00	1.12	
6 Bromomethane	94	1.358	1.347	0.011	95	2655	1.00	1.29	
7 Chloroethane	64	1.463	1.459	0.004	70	2400	1.00	1.27	M
8 Dichlorofluoromethane	67	1.687	1.682	0.005	95	5900	1.00	1.15	
9 Trichlorofluoromethane	101	1.693	1.688	0.005	75	4288	1.00	1.05	
10 Pentane	72	1.751	1.747	0.004	85	814	2.00	1.30	
11 Ethanol	46	1.951	1.952	-0.001	1	397	40.0	41.4	M
12 Ethyl ether	59	2.004	1.999	0.005	95	2783	1.00	1.22	
13 2-Methyl-1,3-butadiene	53	2.028	2.023	0.005	78	2419	1.00	1.07	
14 1,2-Dichloro-1,1,2-trifluo	117	2.069	2.064	0.005	59	2844	1.00	1.33	
15 1,1,2-Trichloro-1,2,2-trif	101	2.204	2.211	-0.007	71	1960	1.00	1.23	
16 Acrolein	56	2.227	2.222	0.005	85	2311	4.00	5.17	M
17 1,1-Dichloroethene	96	2.263	2.252	0.011	95	3393	1.00	1.28	
18 Acetone	43	2.380	2.381	-0.001	86	6137	5.00	6.57	M
19 Iodomethane	142	2.439	2.440	-0.001	91	4331	1.00	1.08	
20 Carbon disulfide	76	2.480	2.475	0.005	100	12538	1.00	1.32	
21 Isopropyl alcohol	45	2.503	2.499	0.004	55	2099	10.0	13.8	M
22 3-Chloro-1-propene	76	2.674	2.669	0.005	68	1911	1.00	1.20	
24 Cyclopentene	67	2.686	2.687	-0.001	76	6965	1.00	1.05	
23 Methyl acetate	43	2.697	2.692	0.005	91	10934	5.00	5.71	
25 Acetonitrile	41	2.768	2.763	0.005	38	3438	10.0	10.1	
27 Methylene Chloride	84	2.832	2.833	-0.001	31	4010	1.00	1.32	
* 26 TBA-d9 (IS)	65	2.832	2.833	-0.001	81	231977	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.926	2.922	0.004	96	8754	10.0	10.3	
29 Methyl tert-butyl ether	73	3.032	3.033	-0.001	94	9345	1.00	1.13	
30 trans-1,2-Dichloroethene	96	3.067	3.069	-0.001	76	3759	1.00	1.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.179	3.174	0.005	98	11395	10.0	11.4	
32 Hexane	57	3.256	3.262	-0.006	71	2258	1.00	1.12	M
33 Isopropyl ether	45	3.538	3.539	-0.001	95	9663	1.00	1.10	
34 1,1-Dichloroethane	63	3.573	3.574	-0.001	98	6267	1.00	1.16	
35 Vinyl acetate	43	3.608	3.603	0.005	99	11627	2.00	2.70	
36 2-Chloro-1,3-butadiene	88	3.632	3.627	0.005	89	2517	1.00	1.02	
37 Tert-butyl ethyl ether	59	3.925	3.926	-0.001	87	10013	1.00	1.10	
* 38 2-Butanone-d5	46	4.178	4.179	-0.001	87	271838	250.0	250.0	
39 2,2-Dichloropropane	79	4.172	4.185	-0.013	47	2279	1.00	1.00	M
40 cis-1,2-Dichloroethene	96	4.225	4.214	0.011	93	3933	1.00	1.20	
41 2-Butanone (MEK)	72	4.248	4.244	0.004	97	1628	5.00	5.20	
42 Ethyl acetate	70	4.254	4.255	-0.001	93	911	2.00	2.63	M
43 Methyl acrylate	55	4.313	4.314	-0.001	73	3215	1.00	1.28	
44 Propionitrile	54	4.413	4.414	-0.001	80	4029	10.0	10.8	M
45 Tetrahydrofuran	72	4.483	4.484	-0.001	60	915	2.00	2.58	
46 Chlorobromomethane	128	4.495	4.490	0.005	79	2047	1.00	1.30	
47 Methacrylonitrile	67	4.536	4.537	-0.001	91	12334	10.0	11.1	
48 Chloroform	83	4.560	4.555	0.005	97	6117	1.00	1.21	
49 Cyclohexane	56	4.695	4.690	0.005	65	2903	1.00	0.7772	
50 1,1,1-Trichloroethane	97	4.719	4.720	-0.002	83	5205	1.00	1.25	
$ 51 Dibromofluoromethane (Surr	113	4.748	4.749	-0.001	97	149436	50.0	51.1	
52 Carbon tetrachloride	117	4.865	4.855	0.010	93	3949	1.00	1.19	
53 1,1-Dichloropropene	75	4.895	4.902	-0.007	91	4693	1.00	1.23	
54 Isobutyl alcohol	43	5.071	5.066	0.005	24	3580	25.0	28.2	
55 Isooctane	57	5.100	5.096	0.004	92	4459	1.00	1.11	
56 Benzene	78	5.136	5.137	-0.001	92	13710	1.00	1.16	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.165	5.160	0.005	97	175207	50.0	50.5	
59 Tert-amyl methyl ether	73	5.212	5.213	-0.001	76	9366	1.00	1.12	
58 Isopropyl acetate	43	5.218	5.225	-0.007	83	8732	1.00	1.11	
60 1,2-Dichloroethane	62	5.253	5.254	-0.001	80	4983	1.00	1.21	
61 n-Heptane	57	5.324	5.325	-0.001	83	1153	1.00	1.27	
* 62 Fluorobenzene	96	5.482	5.483	-0.001	98	619368	50.0	50.0	
63 n-Butanol	56	5.852	5.842	0.010	54	2080	25.0	30.7	
64 Trichloroethene	95	5.894	5.889	0.005	93	3585	1.00	1.17	
66 Methylcyclohexane	83	6.023	6.024	-0.001	75	2914	1.00	1.04	
65 Ethyl acrylate	55	6.040	6.036	0.004	66	5640	1.00	1.09	
67 1,2-Dichloropropane	63	6.223	6.224	-0.001	91	3644	1.00	1.21	
* 68 1,4-Dioxane-d8	96	6.287	6.288	-0.001	92	30344	1000.0	1000.0	
69 Methyl methacrylate	100	6.323	6.318	0.004	72	1944	2.00	2.23	
70 1,4-Dioxane	88	6.358	6.359	-0.001	24	1413	50.0	53.5	
72 Dibromomethane	93	6.375	6.371	0.005	64	2416	1.00	1.29	
71 n-Propyl acetate	43	6.387	6.382	0.005	96	4666	1.00	1.19	
73 Dichlorobromomethane	83	6.546	6.547	-0.001	97	4893	1.00	1.19	
74 2-Chloroethyl vinyl ether	63	6.928	6.935	-0.007	69	1968	1.00	1.02	
75 2-Nitropropane	41	6.928	6.935	-0.007	84	2258	2.00	2.52	
76 Epichlorohydrin	57	7.045	7.052	-0.007	96	6626	20.0	23.8	
77 cis-1,3-Dichloropropene	75	7.104	7.111	-0.007	91	5897	1.00	1.14	
78 4-Methyl-2-pentanone (MIBK	43	7.298	7.293	0.005	97	14638	5.00	5.85	
$ 79 Toluene-d8 (Surr)	98	7.386	7.381	0.005	99	639669	50.0	51.0	
80 Toluene	91	7.468	7.469	-0.001	92	16438	1.00	1.28	
81 trans-1,3-Dichloropropene	75	7.856	7.857	-0.001	96	5434	1.00	1.15	
82 Ethyl methacrylate	69	7.891	7.886	0.005	70	4905	1.00	1.26	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	8.091	8.098	-0.007	69	3081	1.00	1.28	
84 Tetrachloroethene	166	8.132	8.127	0.005	34	3250	1.00	1.19	M
85 1,3-Dichloropropane	76	8.332	8.321	0.011	93	4940	1.00	1.09	M
86 2-Hexanone	58	8.391	8.392	-0.001	94	6495	5.00	6.16	
87 n-Butyl acetate	43	8.520	8.509	0.011	83	5058	1.00	1.17	
88 Chlorodibromomethane	129	8.579	8.574	0.005	97	3598	1.00	1.11	
89 Ethylene Dibromide	107	8.749	8.744	0.005	98	3318	1.00	1.17	
* 90 Chlorobenzene-d5	117	9.313	9.314	-0.001	86	483944	50.0	50.0	
91 Chlorobenzene	112	9.348	9.349	-0.001	66	9780	1.00	1.17	
92 Ethylbenzene	106	9.437	9.438	-0.002	98	4663	1.00	1.13	
93 1,1,1,2-Tetrachloroethane	131	9.454	9.455	-0.001	54	3157	1.00	1.05	
94 m-Xylene & p-Xylene	106	9.578	9.579	0.000	96	6091	1.00	1.15	
95 n-Butyl acrylate	73	9.965	9.966	-0.001	96	2858	1.00	1.17	
96 o-Xylene	106	9.995	9.996	-0.001	93	5589	1.00	1.06	
97 Styrene	104	10.024	10.019	0.005	97	11322	1.00	1.20	
98 Amyl acetate (mixed isomer	43	10.183	10.184	-0.001	92	5838	1.00	1.14	
99 Bromoform	173	10.224	10.225	-0.001	95	2888	1.00	1.30	
100 Isopropylbenzene	105	10.324	10.325	-0.001	97	12695	1.00	1.15	
$ 101 4-Bromofluorobenzene	174	10.506	10.501	0.005	89	202726	50.0	50.6	
102 Bromobenzene	156	10.629	10.624	0.005	95	4168	1.00	1.17	
103 1,1,2,2-Tetrachloroethane	83	10.653	10.654	-0.001	92	4161	1.00	1.21	
104 N-Propylbenzene	91	10.676	10.671	0.005	98	15498	1.00	1.27	
105 1,2,3-Trichloropropane	110	10.688	10.695	-0.007	86	1292	1.00	1.26	
106 trans-1,4-Dichloro-2-buten	53	10.706	10.707	-0.001	80	1464	1.00	1.01	
107 4-Ethyltoluene	105	10.764	10.765	-0.001	88	13280	1.00	1.21	
108 2-Chlorotoluene	91	10.770	10.765	0.005	96	11957	1.00	1.23	
109 1,3,5-Trimethylbenzene	105	10.823	10.818	0.005	94	11354	1.00	1.19	
110 4-Chlorotoluene	91	10.864	10.859	0.005	95	11467	1.00	1.22	
111 Butyl Methacrylate	87	10.894	10.889	0.005	93	4566	1.00	1.05	
112 tert-Butylbenzene	119	11.058	11.059	-0.001	95	8649	1.00	1.24	
113 1,2,4-Trimethylbenzene	105	11.105	11.106	-0.001	97	12063	1.00	1.18	
114 sec-Butylbenzene	105	11.217	11.218	-0.001	98	11367	1.00	1.25	
115 4-Isopropyltoluene	119	11.317	11.318	-0.001	97	10655	1.00	1.24	
116 1,3-Dichlorobenzene	146	11.328	11.329	-0.001	80	7738	1.00	1.27	
* 117 1,4-Dichlorobenzene-d4	152	11.381	11.382	-0.001	95	272912	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.399	11.394	0.005	45	7670	1.00	1.23	
119 Benzyl chloride	91	11.499	11.500	-0.001	97	8490	1.00	1.22	
120 2,3-Dihydroindene	117	11.552	11.547	0.005	94	12794	1.00	1.08	
121 p-Diethylbenzene	119	11.575	11.576	-0.001	94	6309	1.00	1.19	
122 n-Butylbenzene	91	11.593	11.594	-0.001	98	10113	1.00	1.17	
123 1,2-Dichlorobenzene	146	11.657	11.653	0.004	95	7357	1.00	1.20	
124 1,2,4,5-Tetramethylbenzene	119	12.092	12.093	-0.001	96	9872	1.00	1.14	
125 1,2-Dibromo-3-Chloropropan	155	12.192	12.187	0.005	49	783	1.00	1.30	
126 1,3,5-Trichlorobenzene	180	12.280	12.281	-0.001	96	3976	1.00	1.16	
127 1,2,4-Trichlorobenzene	180	12.739	12.740	-0.001	91	3777	1.00	1.21	
128 Hexachlorobutadiene	225	12.809	12.804	0.005	88	1746	1.00	1.41	
129 Naphthalene	128	12.944	12.945	-0.001	99	7619	1.00	0.9738	
130 1,2,3-Trichlorobenzene	180	13.126	13.127	-0.001	90	2478	1.00	0.9706	
S 131 1,2-Dichloroethene, Total	100				0		2.00	2.48	
S 132 Xylenes, Total	100				0		2.00	2.22	
S 133 Total BTEX	1				0		5.00	5.78	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
MIX 2 Hi_00046	Amount Added:	1.00	Units: uL	
MIX I Hi_00061	Amount Added:	1.00	Units: uL	
14DIOXINTER_00059	Amount Added:	30.00	Units: uL	
GAS Hi_00160	Amount Added:	1.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 12-Aug-2016 15:34:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D

Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8 Operator ID:

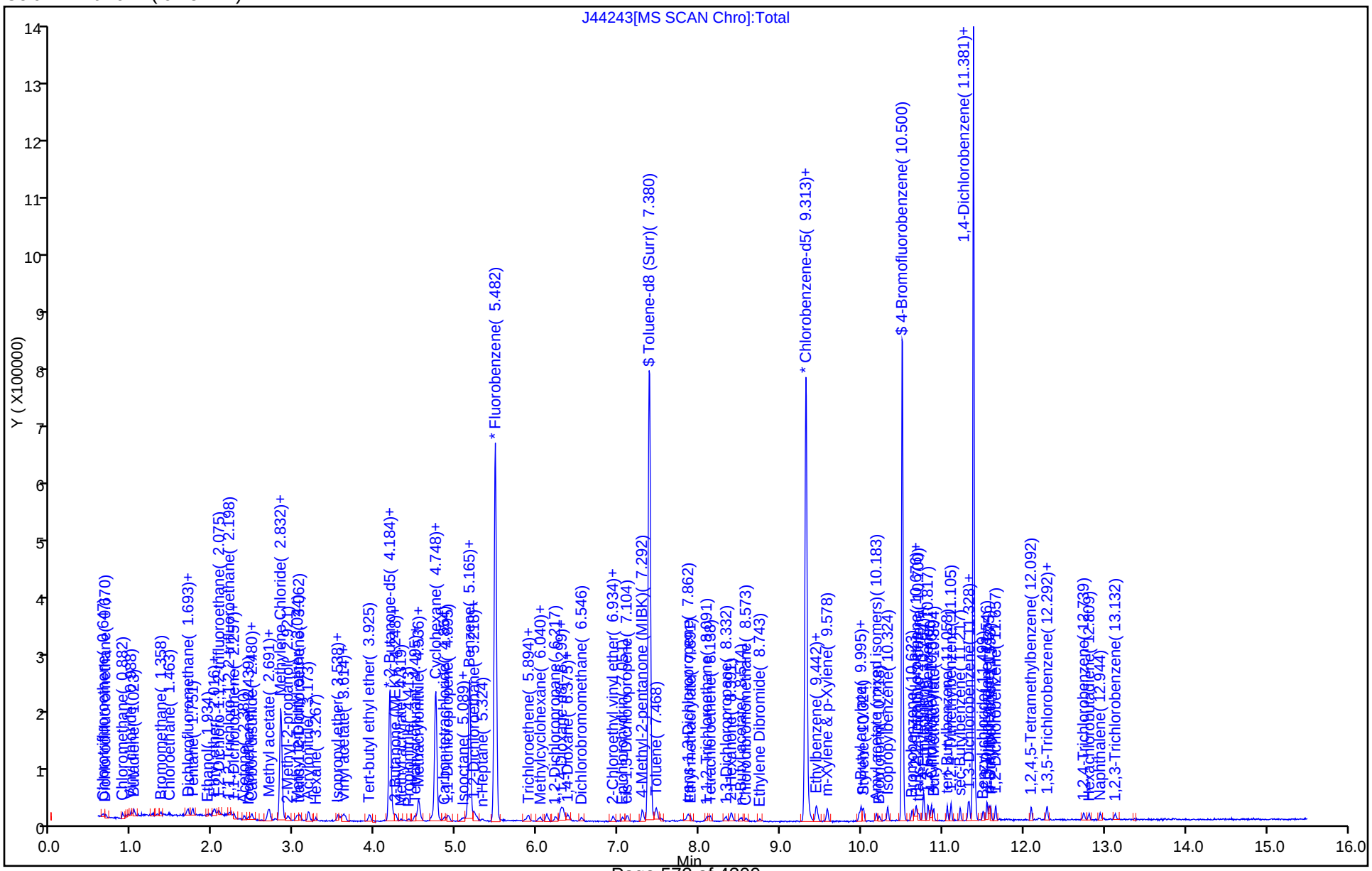
Lims ID: STD1 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

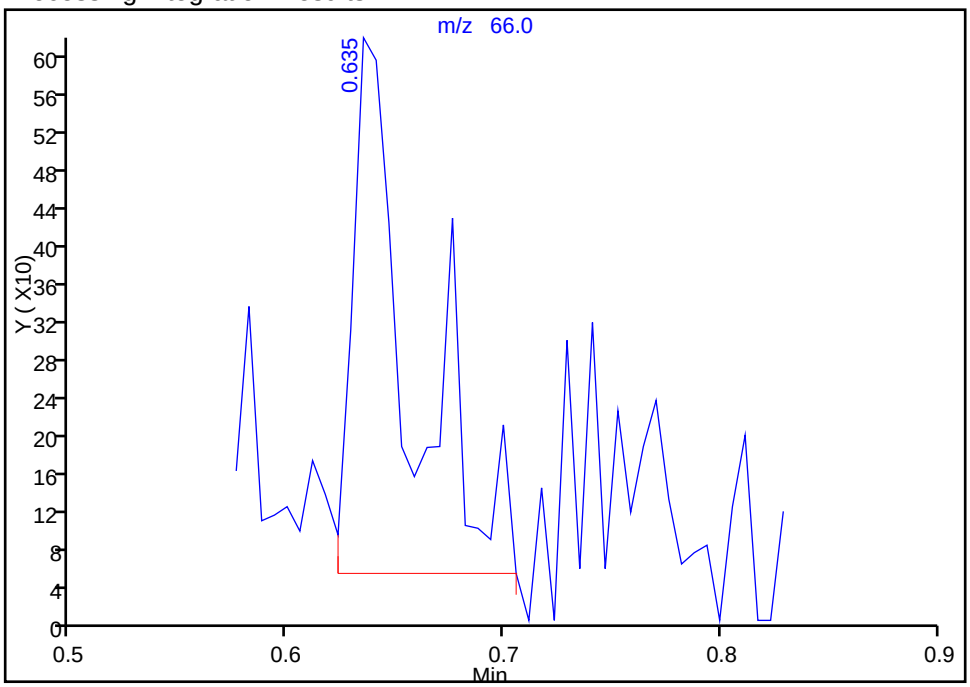
Data File:	\\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D				
Injection Date:	10-Aug-2016 21:54:30	Instrument ID:	CVOAMS8		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

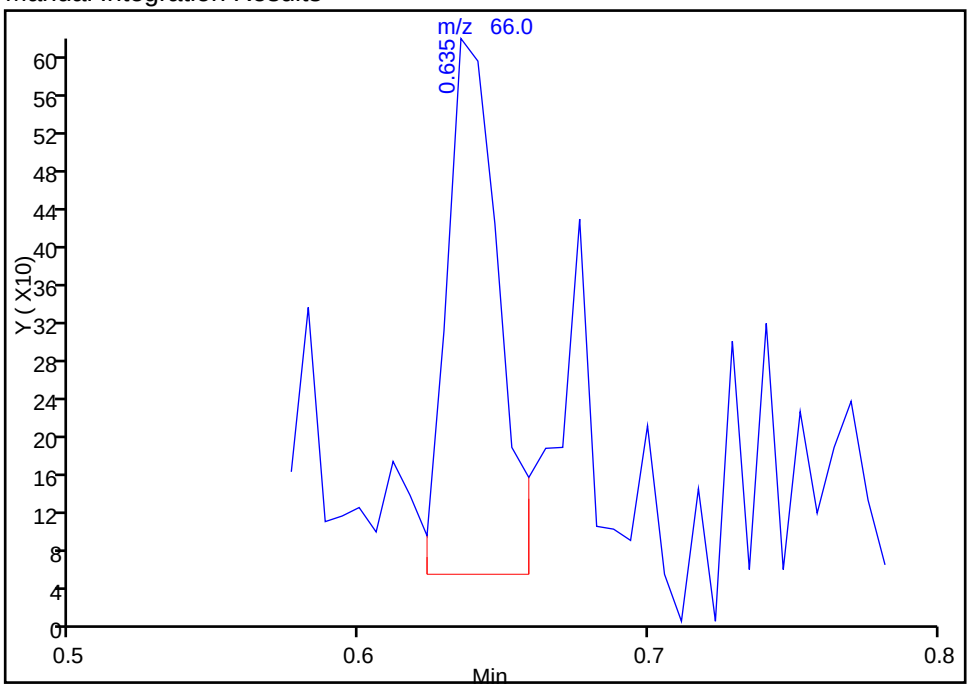
Processing Integration Results

RT: 0.64
Area: 1046
Amount: 2.651919
Amount Units: ug/l



Manual Integration Results

RT: 0.64
Area: 715
Amount: 1.024329
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:06:26
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

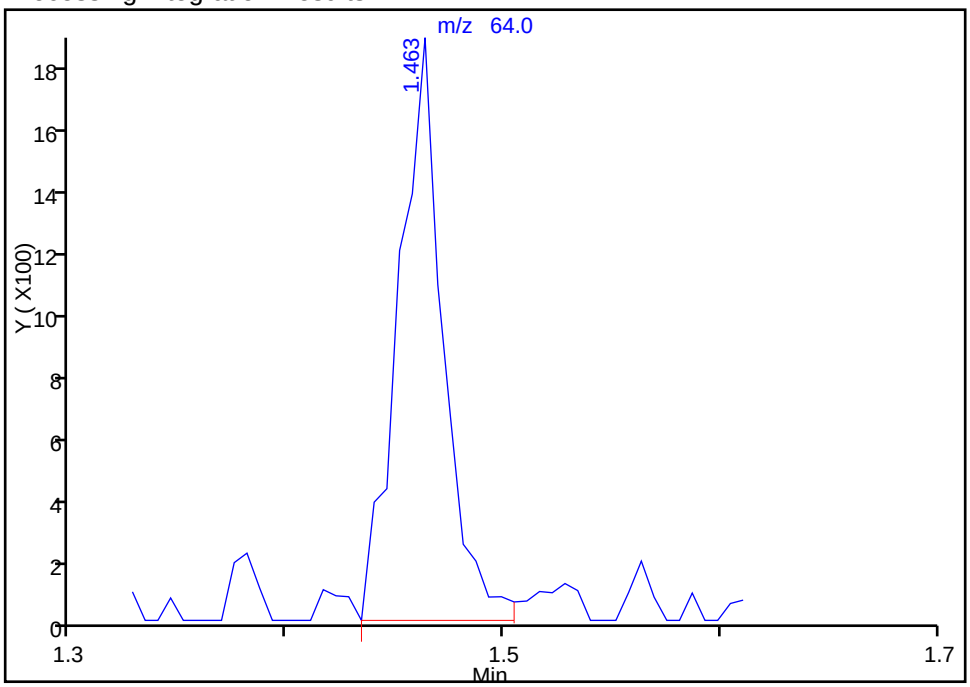
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

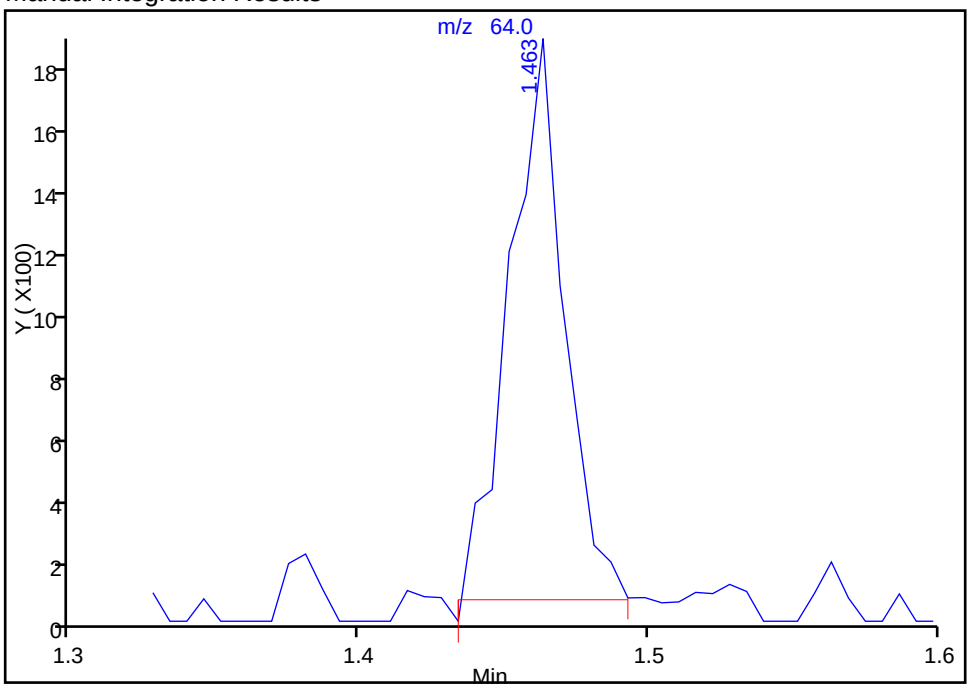
Processing Integration Results

RT: 1.46
Area: 2720
Amount: 1.491702
Amount Units: ug/l



Manual Integration Results

RT: 1.46
Area: 2400
Amount: 1.265713
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:06:26
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

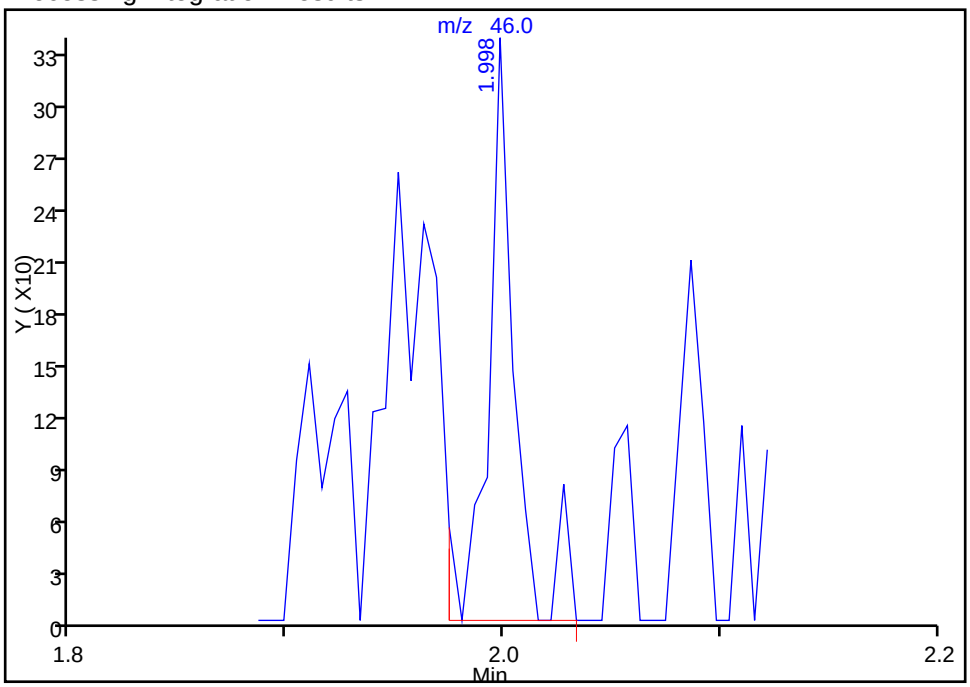
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

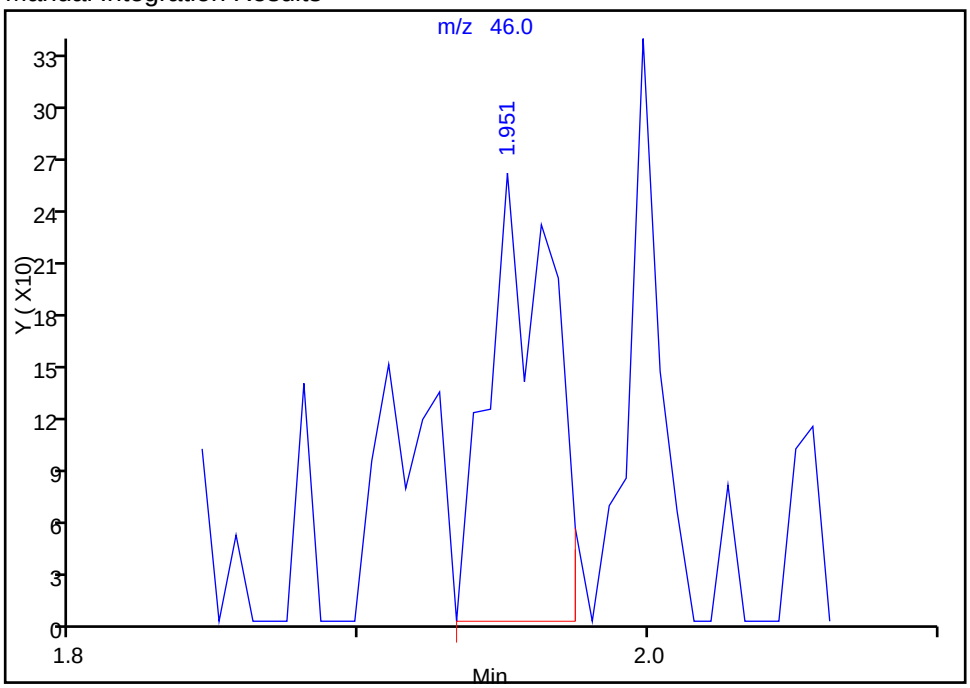
Processing Integration Results

RT: 2.00
Area: 293
Amount: 32.072514
Amount Units: ug/l



Manual Integration Results

RT: 1.95
Area: 397
Amount: 41.435092
Amount Units: ug/l



Reviewer: delpolitov, 11-Aug-2016 23:05:36
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

TestAmerica Edison

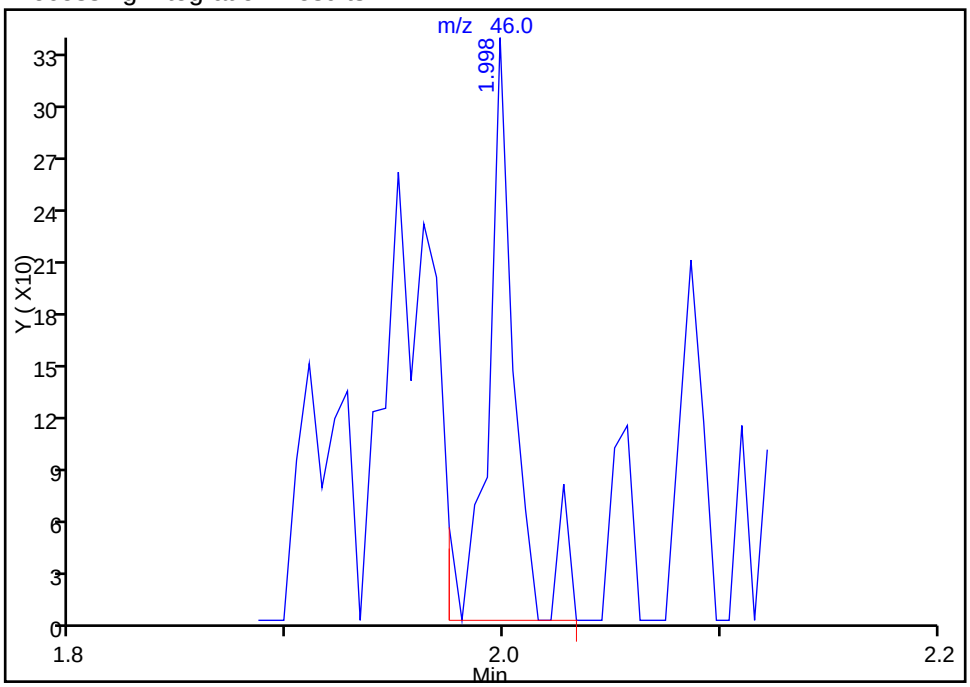
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

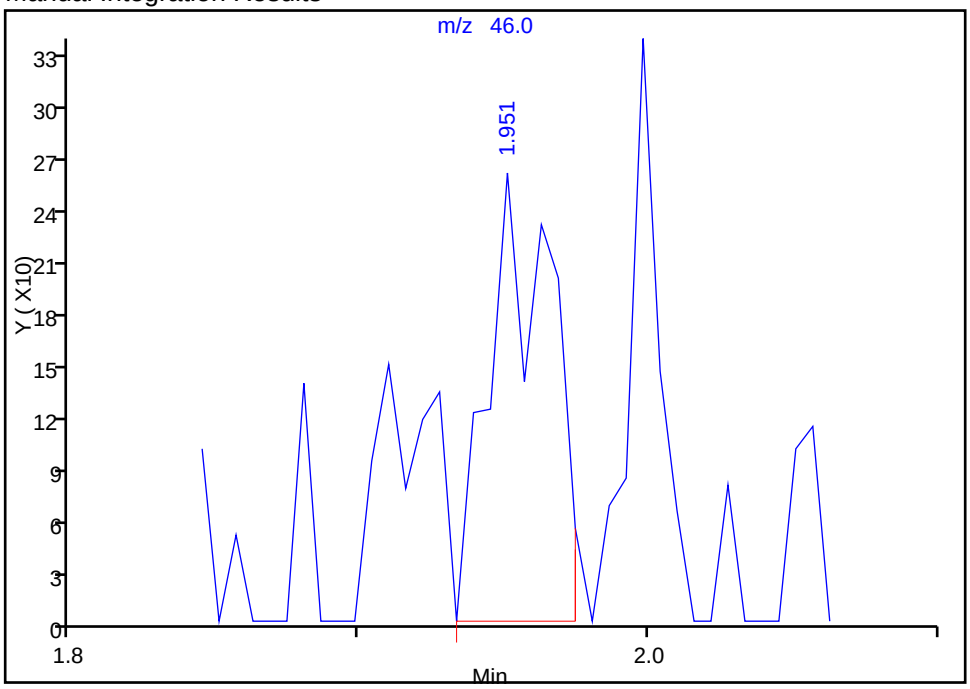
Processing Integration Results

RT: 2.00
Area: 293
Amount: 32.072514
Amount Units: ug/l



Manual Integration Results

RT: 1.95
Area: 397
Amount: 41.435092
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:06:26
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

TestAmerica Edison

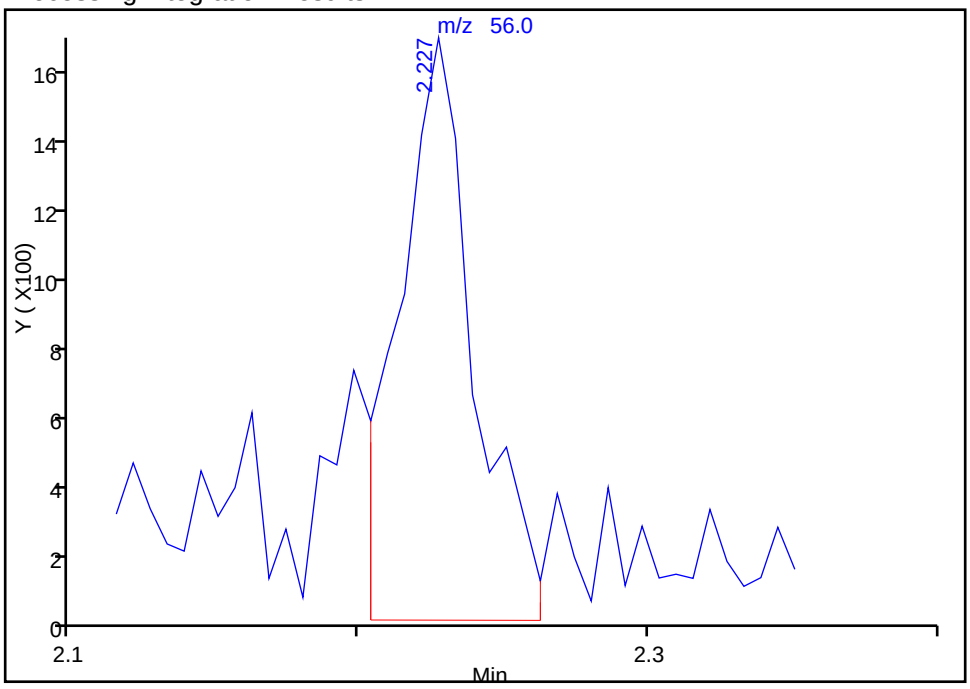
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 Acrolein, CAS: 107-02-8

Signal: 1

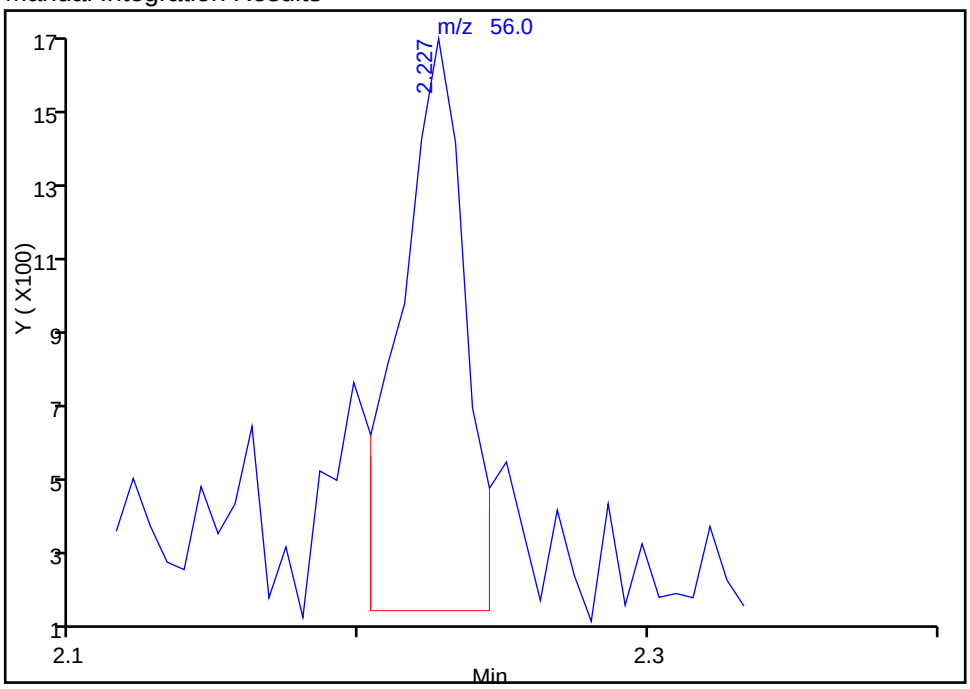
Processing Integration Results

RT: 2.23
Area: 2826
Amount: 5.674037
Amount Units: ug/l



Manual Integration Results

RT: 2.23
Area: 2311
Amount: 5.169442
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:09:18
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

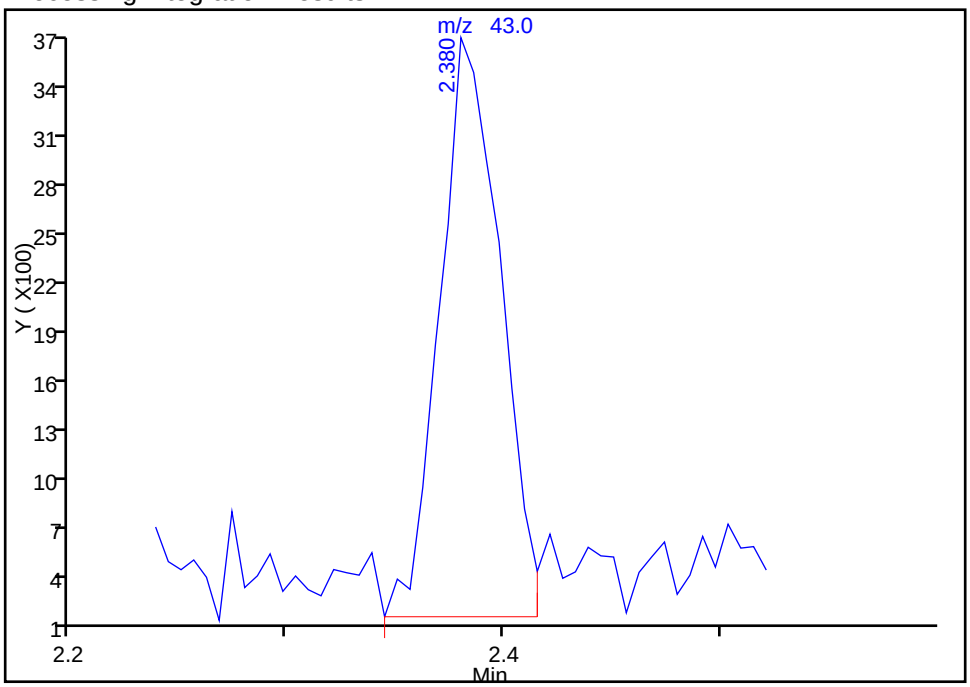
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 Acetone, CAS: 67-64-1

Signal: 1

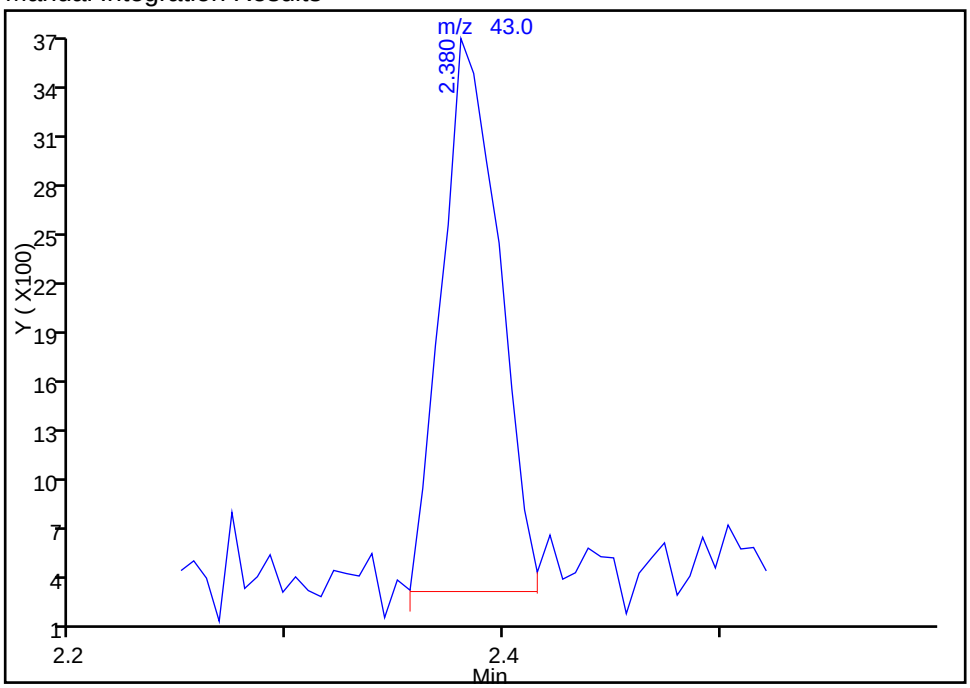
Processing Integration Results

RT: 2.38
Area: 6830
Amount: 10.236003
Amount Units: ug/l



Manual Integration Results

RT: 2.38
Area: 6137
Amount: 6.566514
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:09:18
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

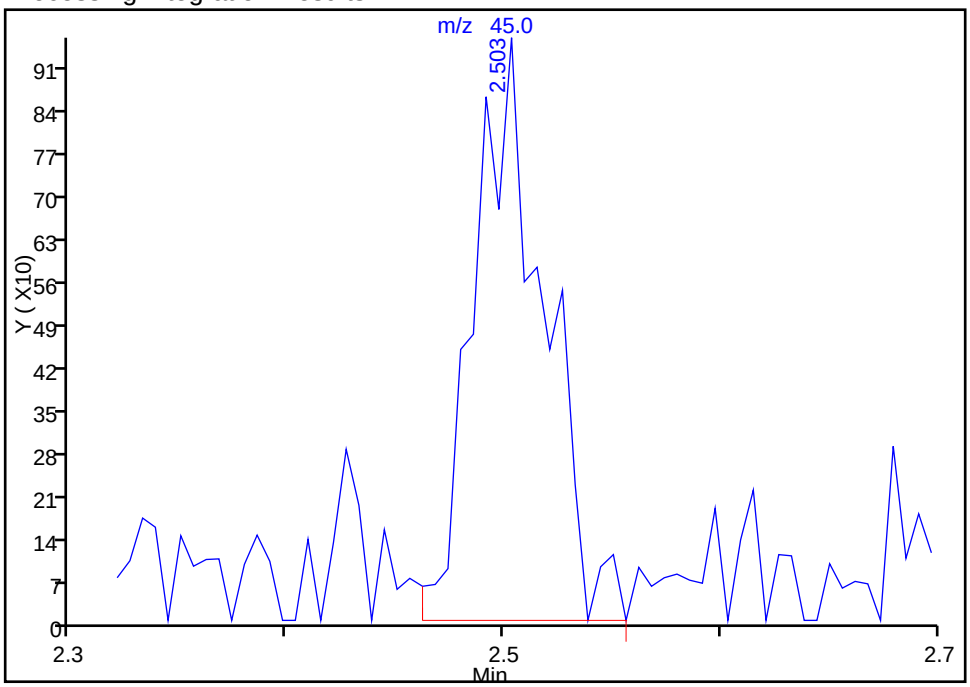
Data File:	\\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D				
Injection Date:	10-Aug-2016 21:54:30	Instrument ID:	CVOAMS8		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

21 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

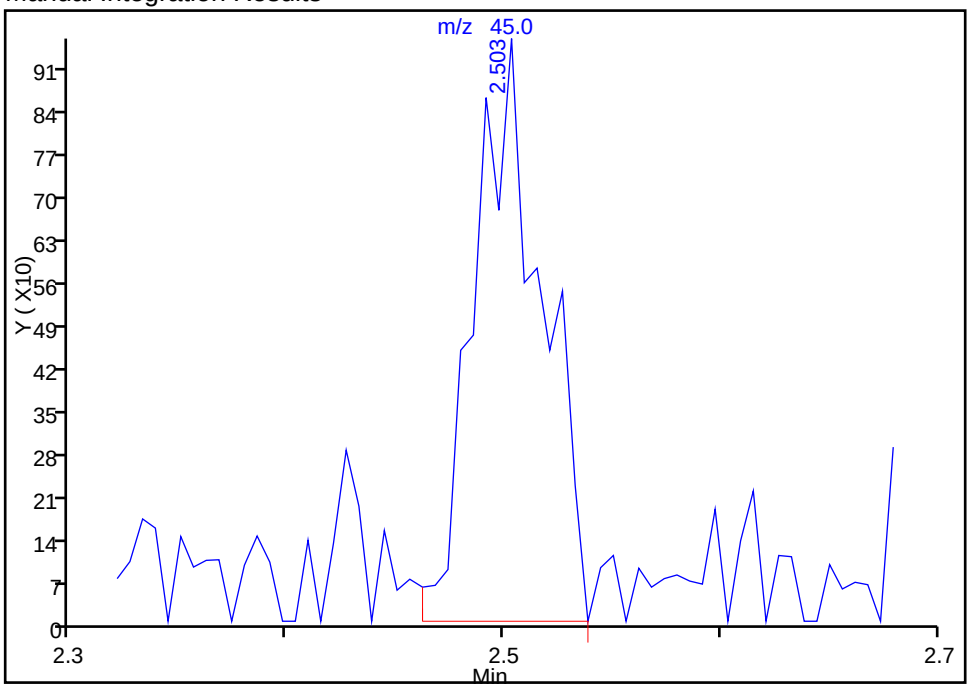
Processing Integration Results

RT: 2.50
Area: 2168
Amount: 16.298392
Amount Units: ug/l



Manual Integration Results

RT: 2.50
Area: 2099
Amount: 13.804730
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:09:18

Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

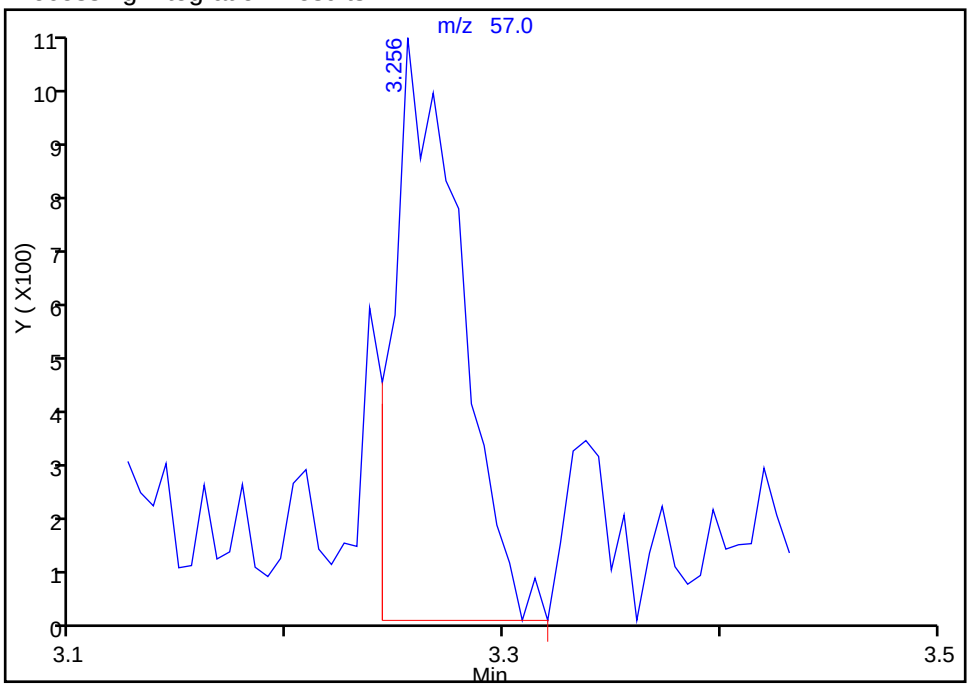
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 Hexane, CAS: 110-54-3

Signal: 1

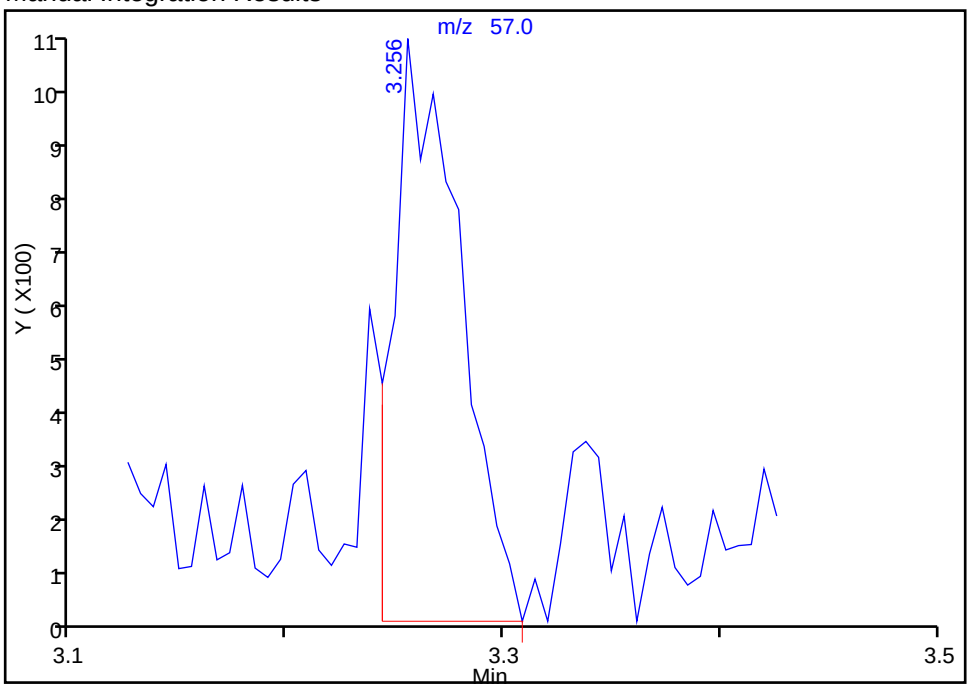
Processing Integration Results

RT: 3.26
Area: 2285
Amount: 1.136240
Amount Units: ug/l



Manual Integration Results

RT: 3.26
Area: 2258
Amount: 1.121399
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:09:18
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

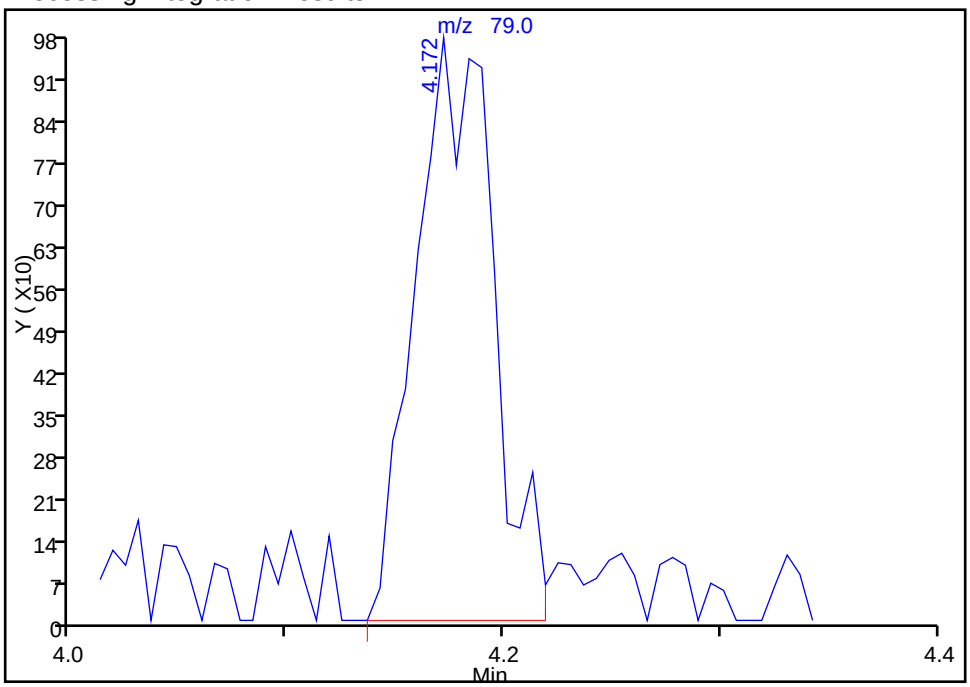
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

39 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

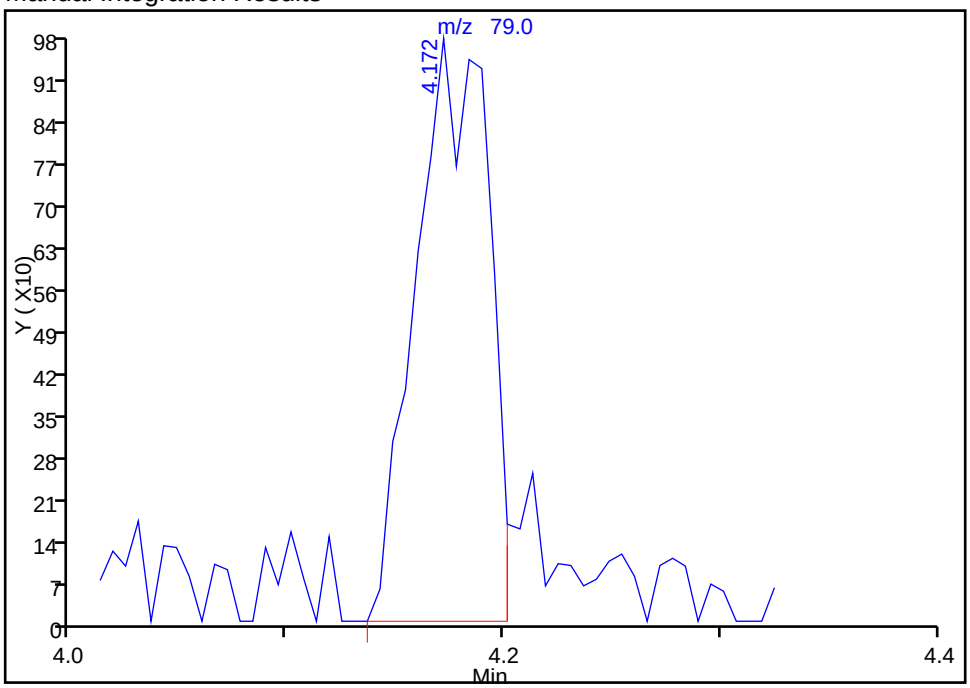
Processing Integration Results

RT: 4.17
Area: 2442
Amount: 1.933344
Amount Units: ug/l



Manual Integration Results

RT: 4.17
Area: 2279
Amount: 0.997092
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:09:18
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

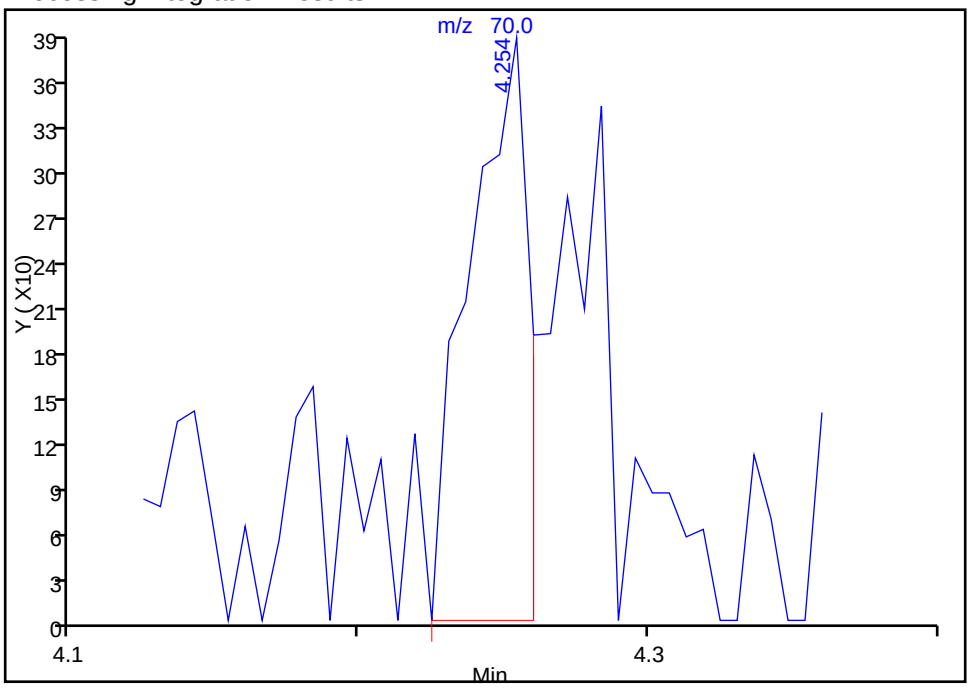
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

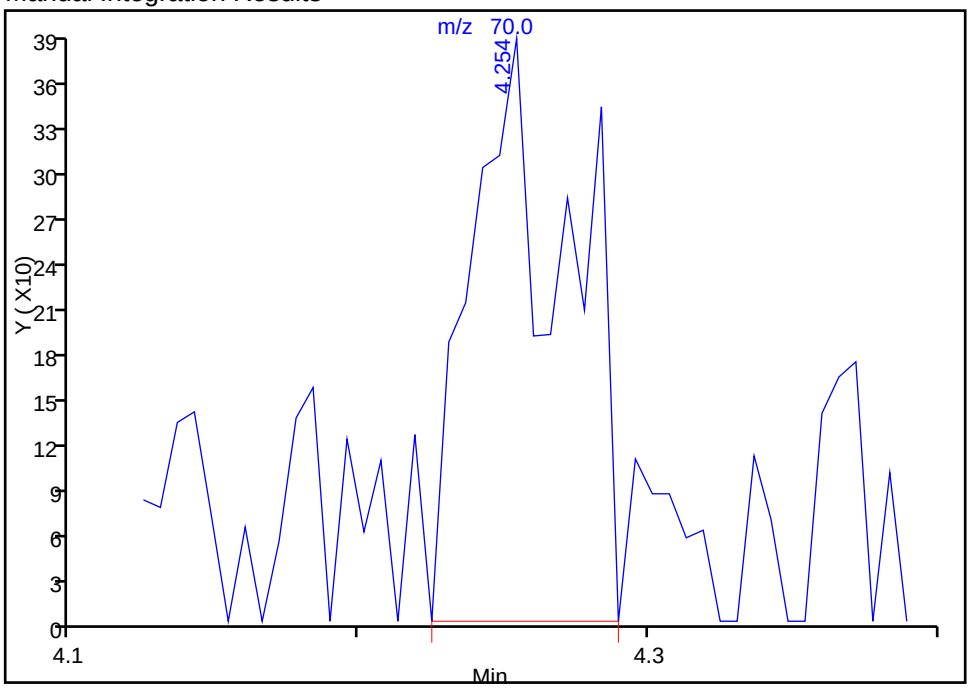
Processing Integration Results

RT: 4.25
Area: 554
Amount: 1.738707
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 911
Amount: 2.632854
Amount Units: ug/l



Reviewer: delpolitov, 11-Aug-2016 23:05:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

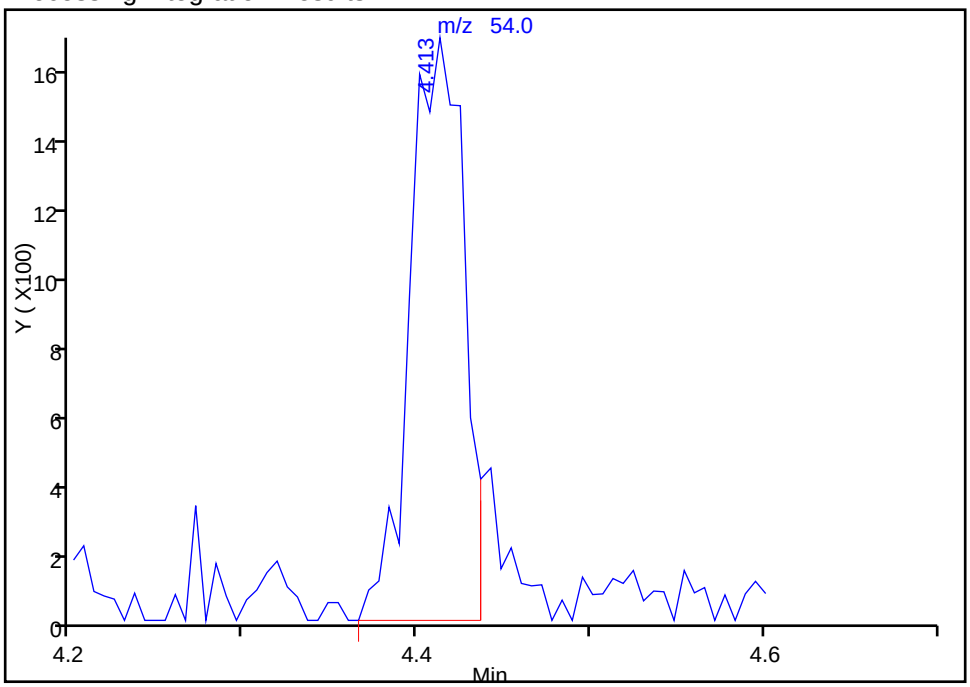
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 Propionitrile, CAS: 107-12-0

Signal: 1

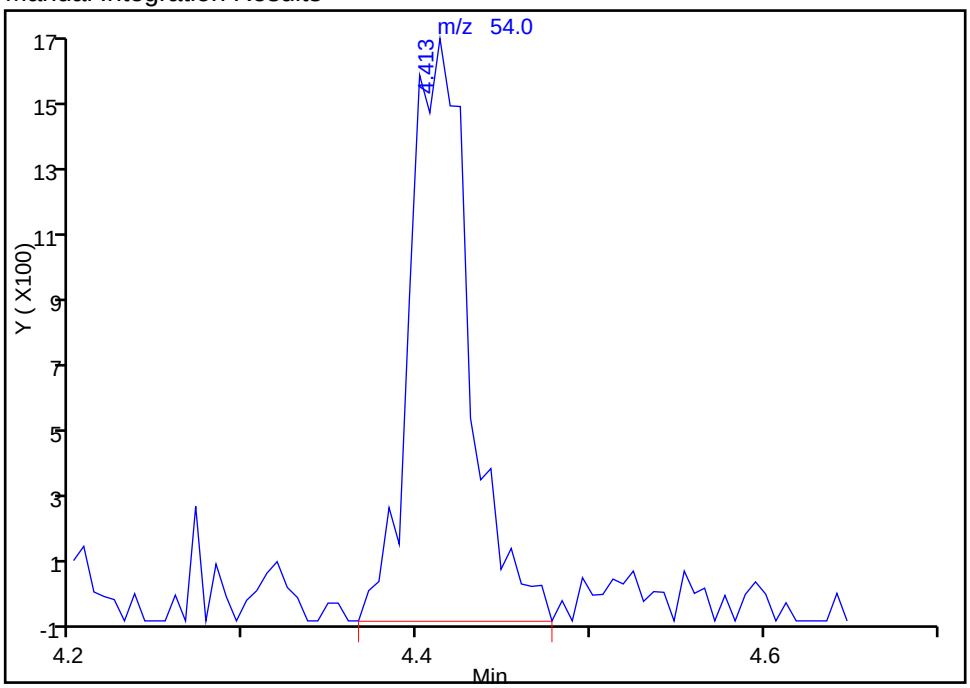
Processing Integration Results

RT: 4.41
Area: 3634
Amount: 9.809156
Amount Units: ug/l



Manual Integration Results

RT: 4.41
Area: 4029
Amount: 10.786706
Amount Units: ug/l



Reviewer: delpolitov, 11-Aug-2016 23:05:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

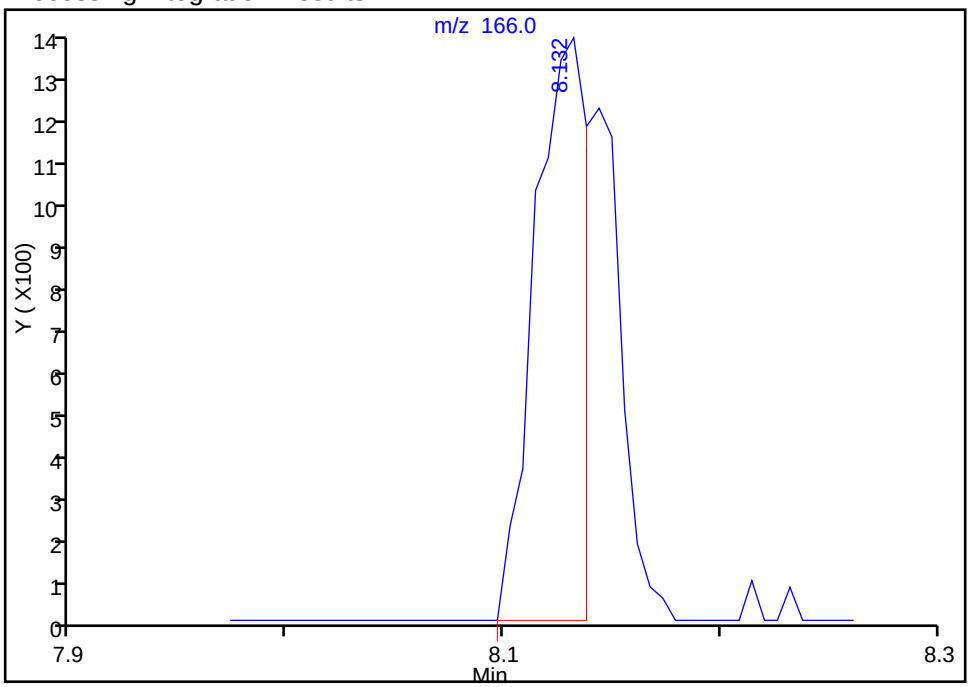
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D
Injection Date: 10-Aug-2016 21:54:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

84 Tetrachloroethene, CAS: 127-18-4

Signal: 1

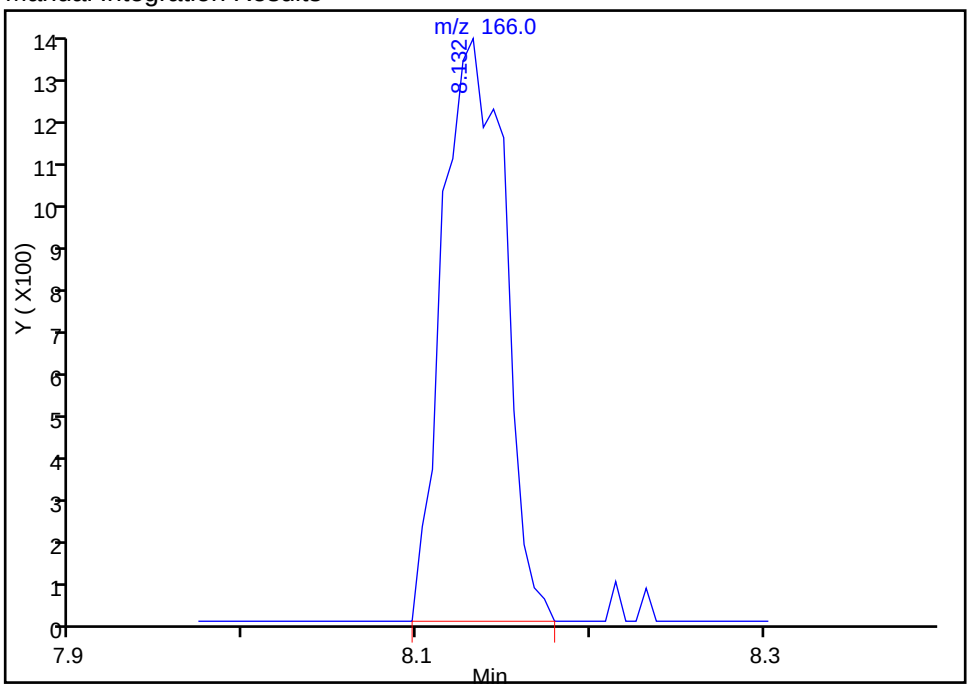
Processing Integration Results

RT: 8.13
Area: 2192
Amount: 0.875814
Amount Units: ug/l



Manual Integration Results

RT: 8.13
Area: 3250
Amount: 1.194500
Amount Units: ug/l



Reviewer: delpolitov, 11-Aug-2016 23:05:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

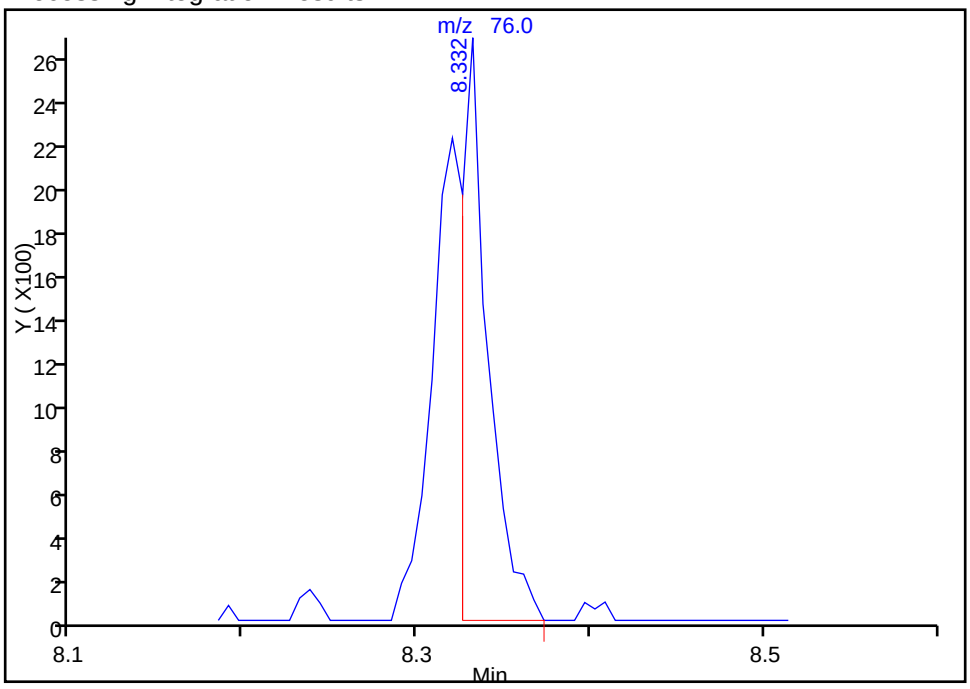
Data File:	\\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44243.D				
Injection Date:	10-Aug-2016 21:54:30	Instrument ID:	CVOAMS8		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

85 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

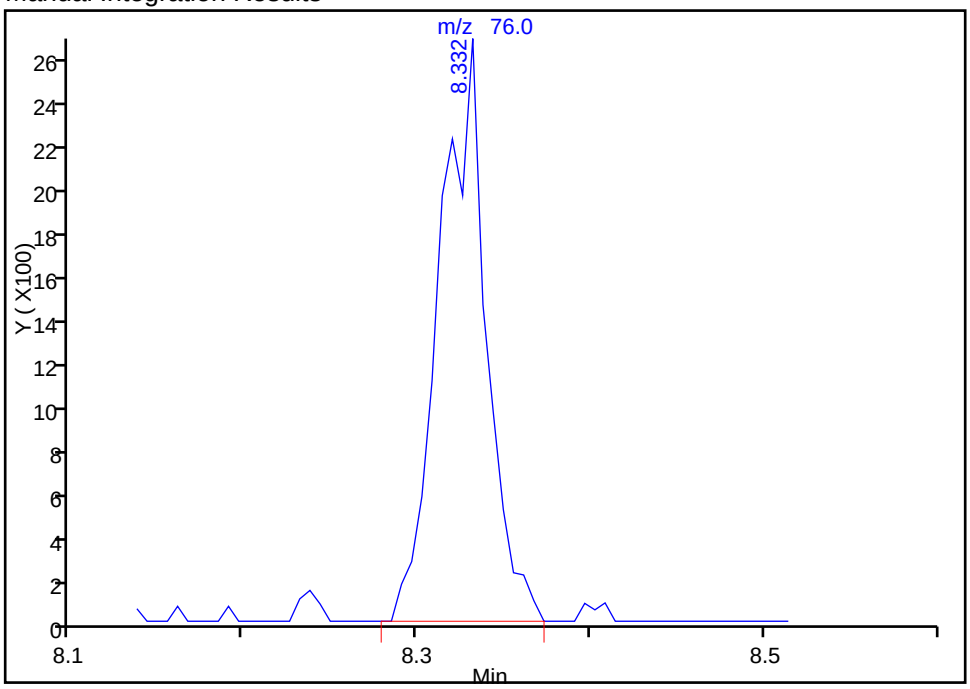
Processing Integration Results

RT: 8.33
Area: 2779
Amount: 0.671844
Amount Units: ug/l



Manual Integration Results

RT: 8.33
Area: 4940
Amount: 1.093491
Amount Units: ug/l



Reviewer: delpolitov, 11-Aug-2016 23:05:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44245.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 10-Aug-2016 22:46:30 ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0044330-005
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub49

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Aug-2016 15:34:31 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 10-Aug-2016 23:17:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.636	0.636	0.000	95	6523	20.0	16.0	
2 Dichlorodifluoromethane	85	0.671	0.671	0.000	99	62117	20.0	19.4	
3 Chloromethane	50	0.877	0.877	0.000	99	75429	20.0	19.8	
4 Vinyl chloride	62	0.983	0.983	0.000	98	68873	20.0	19.8	
5 Butadiene	54	1.018	1.018	0.000	96	57731	20.0	19.0	
6 Bromomethane	94	1.347	1.347	0.000	97	41133	20.0	20.1	
7 Chloroethane	64	1.459	1.459	0.000	99	38482	20.0	20.4	
8 Dichlorofluoromethane	67	1.682	1.682	0.000	98	103541	20.0	20.3	
9 Trichlorofluoromethane	101	1.688	1.688	0.000	93	79378	20.0	19.4	
10 Pentane	72	1.747	1.747	0.000	92	8106	40.0	28.3	
11 Ethanol	46	1.952	1.952	0.000	96	5885	800.0	606.8	
12 Ethyl ether	59	1.999	1.999	0.000	96	44917	20.0	19.7	
13 2-Methyl-1,3-butadiene	53	2.023	2.023	0.000	91	36458	20.0	16.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.064	2.064	0.000	91	34309	20.0	16.1	
15 1,1,2-Trichloro-1,2,2-trif	101	2.211	2.211	0.000	95	22876	20.0	11.3	
16 Acrolein	56	2.222	2.222	0.000	94	18530	40.0	40.9	
17 1,1-Dichloroethene	96	2.252	2.252	0.000	98	45953	20.0	17.4	
18 Acetone	43	2.381	2.381	0.000	86	94089	100.0	96.5	
19 Iodomethane	142	2.440	2.440	0.000	97	76133	20.0	19.1	
20 Carbon disulfide	76	2.475	2.475	0.000	99	171184	20.0	18.0	
21 Isopropyl alcohol	45	2.499	2.499	0.000	99	28816	200.0	187.2	
22 3-Chloro-1-propene	76	2.669	2.669	0.000	88	29552	20.0	18.6	
24 Cyclopentene	67	2.687	2.687	0.000	89	112230	20.0	17.1	
23 Methyl acetate	43	2.692	2.692	0.000	100	192091	100.0	100.7	
25 Acetonitrile	41	2.763	2.763	0.000	98	67474	200.0	196.0	
27 Methylene Chloride	84	2.833	2.833	0.000	59	57008	20.0	18.8	
* 26 TBA-d9 (IS)	65	2.833	2.833	0.000	94	234827	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.922	2.922	0.000	98	52043	200.0	209.5	
29 Methyl tert-butyl ether	73	3.033	3.033	0.000	97	163245	20.0	19.8	
30 trans-1,2-Dichloroethene	96	3.069	3.069	0.000	96	54833	20.0	18.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.174	3.174	0.000	93	202092	200.0	199.0	
32 Hexane	57	3.262	3.262	0.000	94	14711	20.0	7.34	
33 Isopropyl ether	45	3.539	3.539	0.000	97	177745	20.0	20.3	
34 1,1-Dichloroethane	63	3.574	3.574	0.000	99	104091	20.0	19.3	
35 Vinyl acetate	43	3.603	3.603	0.000	100	203283	40.0	47.3	
36 2-Chloro-1,3-butadiene	88	3.627	3.627	0.000	91	46556	20.0	18.9	
37 Tert-butyl ethyl ether	59	3.926	3.926	0.000	88	184455	20.0	20.4	
* 38 2-Butanone-d5	46	4.179	4.179	0.000	98	283496	250.0	250.0	
39 2,2-Dichloropropane	79	4.185	4.185	0.000	60	26322	20.0	19.8	
40 cis-1,2-Dichloroethene	96	4.214	4.214	0.000	97	62210	20.0	19.1	
41 2-Butanone (MEK)	72	4.244	4.244	0.000	97	32853	100.0	100.6	
42 Ethyl acetate	70	4.255	4.255	0.000	95	13741	40.0	38.1	
43 Methyl acrylate	55	4.314	4.314	0.000	99	48914	20.0	19.5	
44 Propionitrile	54	4.414	4.414	0.000	97	73393	200.0	194.1	
45 Tetrahydrofuran	72	4.484	4.484	0.000	70	13602	40.0	36.8	
46 Chlorobromomethane	128	4.490	4.490	0.000	91	30465	20.0	19.4	
47 Methacrylonitrile	67	4.537	4.537	0.000	92	232426	200.0	210.1	
48 Chloroform	83	4.555	4.555	0.000	98	99635	20.0	19.8	
49 Cyclohexane	56	4.690	4.690	0.000	89	31266	20.0	8.42	
50 1,1,1-Trichloroethane	97	4.720	4.720	0.000	98	73025	20.0	17.6	
$ 51 Dibromofluoromethane (Surr	113	4.749	4.749	0.000	97	145256	50.0	49.9	
52 Carbon tetrachloride	117	4.855	4.855	0.000	96	52749	20.0	15.9	
53 1,1-Dichloropropene	75	4.902	4.902	0.000	94	63287	20.0	16.6	
54 Isobutyl alcohol	43	5.066	5.066	0.000	97	61574	500.0	479.0	
55 Isooctane	57	5.096	5.096	0.000	97	61525	20.0	15.4	
56 Benzene	78	5.137	5.137	0.000	95	232437	20.0	19.5	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.160	5.160	0.000	97	173359	50.0	50.2	
59 Tert-amyl methyl ether	73	5.213	5.213	0.000	92	166428	20.0	20.0	
58 Isopropyl acetate	43	5.225	5.225	0.000	96	160613	20.0	20.4	
60 1,2-Dichloroethane	62	5.254	5.254	0.000	97	79484	20.0	19.3	
61 n-Heptane	57	5.325	5.325	0.000	93	6050	20.0	6.71	
* 62 Fluorobenzene	96	5.483	5.483	0.000	99	617260	50.0	50.0	
63 n-Butanol	56	5.842	5.842	0.000	90	33497	500.0	489.2	
64 Trichloroethene	95	5.889	5.889	0.000	98	54433	20.0	17.9	
66 Methylcyclohexane	83	6.024	6.024	0.000	59	20880	20.0	7.49	
65 Ethyl acrylate	55	6.036	6.036	0.000	99	88471	20.0	17.1	
67 1,2-Dichloropropane	63	6.224	6.224	0.000	90	58177	20.0	19.4	
* 68 1,4-Dioxane-d8	96	6.288	6.288	0.000	91	31303	1000.0	1000.0	
69 Methyl methacrylate	100	6.318	6.318	0.000	90	34838	40.0	40.1	
70 1,4-Dioxane	88	6.359	6.359	0.000	45	11468	400.0	420.6	
72 Dibromomethane	93	6.371	6.371	0.000	95	34941	20.0	18.8	
71 n-Propyl acetate	43	6.382	6.382	0.000	99	79822	20.0	20.5	
73 Dichlorobromomethane	83	6.547	6.547	0.000	99	77942	20.0	19.0	
74 2-Chloroethyl vinyl ether	63	6.935	6.935	0.000	72	39299	20.0	20.4	
75 2-Nitropropane	41	6.935	6.935	0.000	80	34314	40.0	38.5	
76 Epichlorohydrin	57	7.052	7.052	0.000	99	111502	400.0	383.9	
77 cis-1,3-Dichloropropene	75	7.111	7.111	0.000	94	102527	20.0	19.7	
78 4-Methyl-2-pentanone (MIBK	43	7.293	7.293	0.000	96	259467	100.0	99.4	
$ 79 Toluene-d8 (Surr)	98	7.381	7.381	0.000	99	624121	50.0	49.5	
80 Toluene	91	7.469	7.469	0.000	94	240743	20.0	18.7	
81 trans-1,3-Dichloropropene	75	7.857	7.857	0.000	95	91834	20.0	19.4	
82 Ethyl methacrylate	69	7.886	7.886	0.000	90	75755	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	8.098	8.098	0.000	96	46297	20.0	19.1	
84 Tetrachloroethene	166	8.127	8.127	0.000	95	44360	20.0	16.2	
85 1,3-Dichloropropane	76	8.321	8.321	0.000	95	90699	20.0	20.0	
86 2-Hexanone	58	8.392	8.392	0.000	96	108666	100.0	98.9	
87 n-Butyl acetate	43	8.509	8.509	0.000	99	88339	20.0	20.3	
88 Chlorodibromomethane	129	8.574	8.574	0.000	98	63145	20.0	19.4	
89 Ethylene Dibromide	107	8.744	8.744	0.000	97	55707	20.0	19.5	
* 90 Chlorobenzene-d5	117	9.314	9.314	0.000	86	486180	50.0	50.0	
91 Chlorobenzene	112	9.349	9.349	0.000	95	161901	20.0	19.2	
92 Ethylbenzene	106	9.438	9.438	0.000	99	74943	20.0	18.1	
93 1,1,1,2-Tetrachloroethane	131	9.455	9.455	0.000	95	58664	20.0	19.4	
94 m-Xylene & p-Xylene	106	9.579	9.579	0.000	96	96797	20.0	18.2	
95 n-Butyl acrylate	73	9.966	9.966	0.000	97	49892	20.0	20.3	
96 o-Xylene	106	9.996	9.996	0.000	94	102924	20.0	19.5	
97 Styrene	104	10.019	10.019	0.000	95	181302	20.0	19.1	
98 Amyl acetate (mixed isomer	43	10.184	10.184	0.000	91	110378	20.0	21.0	
99 Bromoform	173	10.225	10.225	0.000	97	40248	20.0	18.1	
100 Isopropylbenzene	105	10.325	10.325	0.000	96	194989	20.0	17.6	
$ 101 4-Bromofluorobenzene	174	10.501	10.501	0.000	89	200645	50.0	49.8	
102 Bromobenzene	156	10.624	10.624	0.000	98	72120	20.0	19.7	
103 1,1,2,2-Tetrachloroethane	83	10.654	10.654	0.000	98	72765	20.0	20.6	
104 N-Propylbenzene	91	10.671	10.671	0.000	99	220293	20.0	17.6	
105 1,2,3-Trichloropropane	110	10.695	10.695	0.000	97	20748	20.0	19.6	
106 trans-1,4-Dichloro-2-buten	53	10.707	10.707	0.000	93	21060	20.0	21.0	
107 4-Ethyltoluene	105	10.765	10.765	0.000	89	223775	20.0	19.8	
108 2-Chlorotoluene	91	10.765	10.765	0.000	95	191105	20.0	19.1	
109 1,3,5-Trimethylbenzene	105	10.818	10.818	0.000	93	185065	20.0	18.9	
110 4-Chlorotoluene	91	10.859	10.859	0.000	98	185366	20.0	19.2	
111 Butyl Methacrylate	87	10.889	10.889	0.000	91	92779	20.0	20.8	
112 tert-Butylbenzene	119	11.059	11.059	0.000	94	122782	20.0	17.1	
113 1,2,4-Trimethylbenzene	105	11.106	11.106	0.000	97	202983	20.0	19.4	
114 sec-Butylbenzene	105	11.218	11.218	0.000	99	152105	20.0	16.3	
115 4-Isopropyltoluene	119	11.318	11.318	0.000	98	152880	20.0	17.4	
116 1,3-Dichlorobenzene	146	11.329	11.329	0.000	96	120854	20.0	19.4	
* 117 1,4-Dichlorobenzene-d4	152	11.382	11.382	0.000	95	280147	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.394	11.394	0.000	94	123082	20.0	19.3	
119 Benzyl chloride	91	11.500	11.500	0.000	98	156482	20.0	22.0	
120 2,3-Dihydroindene	117	11.547	11.547	0.000	94	256471	20.0	21.1	
121 p-Diethylbenzene	119	11.576	11.576	0.000	93	100688	20.0	18.6	
122 n-Butylbenzene	91	11.594	11.594	0.000	98	148822	20.0	16.8	
123 1,2-Dichlorobenzene	146	11.653	11.653	0.000	96	122361	20.0	19.5	
124 1,2,4,5-Tetramethylbenzene	119	12.093	12.093	0.000	97	180184	20.0	20.2	
125 1,2-Dibromo-3-Chloropropan	155	12.187	12.187	0.000	96	12097	20.0	19.5	
126 1,3,5-Trichlorobenzene	180	12.281	12.281	0.000	98	68815	20.0	19.5	
127 1,2,4-Trichlorobenzene	180	12.740	12.740	0.000	94	57816	20.0	18.1	
128 Hexachlorobutadiene	225	12.804	12.804	0.000	97	18597	20.0	14.7	
129 Naphthalene	128	12.945	12.945	0.000	99	157454	20.0	19.6	
130 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	96	50102	20.0	19.1	
S 131 1,2-Dichloroethene, Total	100				0		40.0	37.7	
S 132 Xylenes, Total	100				0		40.0	37.7	
S 133 Total BTEX	1				0		100.0	94.0	

Reagents:

ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
MIX 2 Hi_00046	Amount Added:	2.00	Units: uL	
MIX I Hi_00061	Amount Added:	2.00	Units: uL	
GAS Hi_00160	Amount Added:	2.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 12-Aug-2016 15:34:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44245.D

Injection Date: 10-Aug-2016 22:46:30 Instrument ID: CVOAMS8 Operator ID:

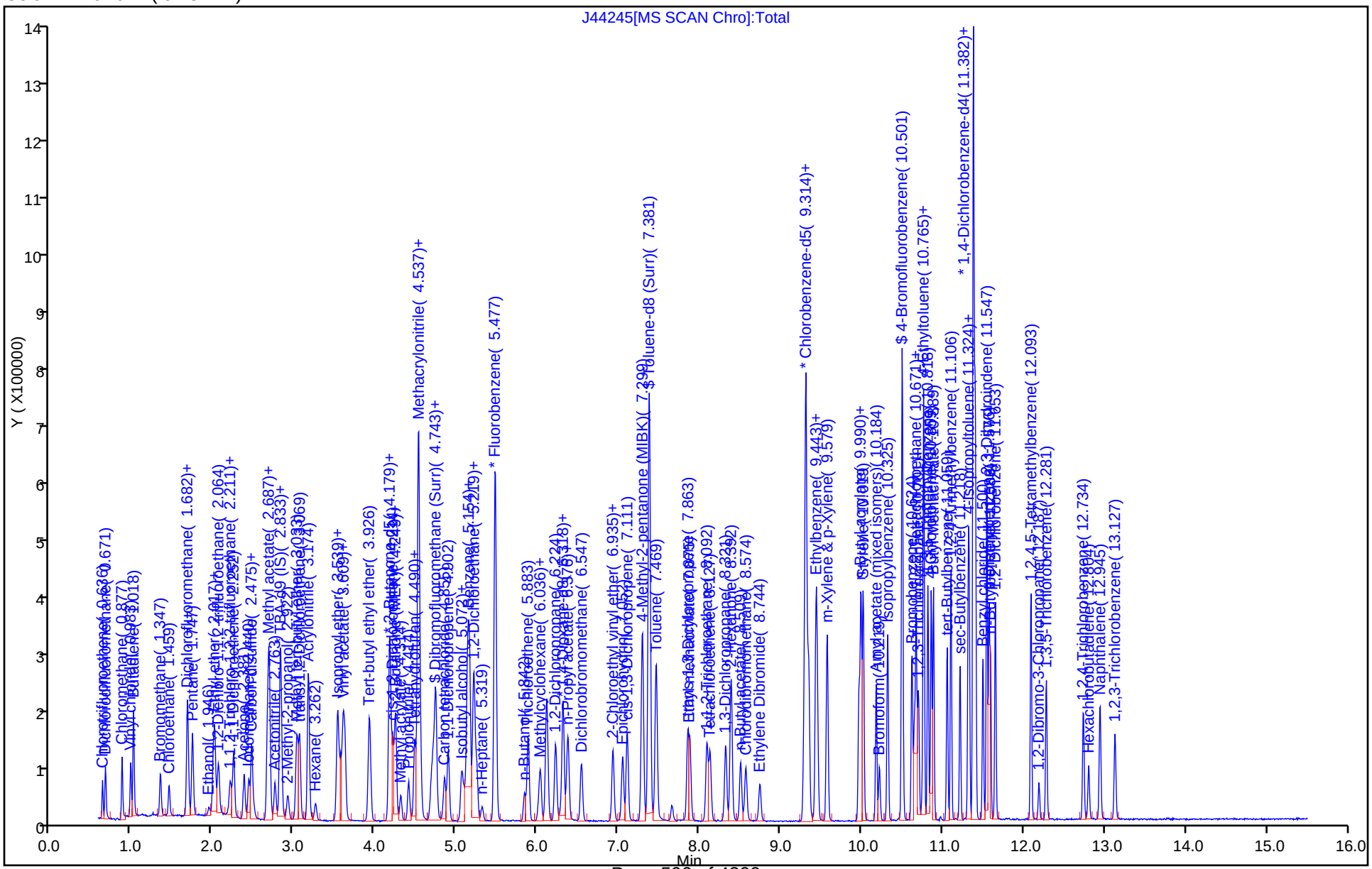
Lims ID: STD20 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44246.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 10-Aug-2016 23:12:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0044330-006
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub49

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Aug-2016 15:34:47 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: delpolitov Date: 12-Aug-2016 15:30:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.643	0.636	0.007	96	22010	50.0	56.0	
2 Dichlorodifluoromethane	85	0.678	0.671	0.007	99	155999	50.0	48.5	
3 Chloromethane	50	0.884	0.877	0.007	99	188007	50.0	49.2	
4 Vinyl chloride	62	0.989	0.983	0.006	98	176985	50.0	50.7	
5 Butadiene	54	1.025	1.018	0.007	97	155481	50.0	51.0	
6 Bromomethane	94	1.336	1.347	-0.011	99	89446	50.0	43.6	
7 Chloroethane	64	1.454	1.459	-0.005	99	91217	50.0	48.1	
8 Dichlorofluoromethane	67	1.683	1.682	0.001	99	255083	50.0	49.8	
9 Trichlorofluoromethane	101	1.689	1.688	0.001	98	211502	50.0	51.6	
10 Pentane	72	1.747	1.747	0.000	93	32613	100.0	116.3	
11 Ethanol	46	1.959	1.952	0.007	98	20699	2000.0	2089.2	
12 Ethyl ether	59	2.006	1.999	0.007	97	115023	50.0	50.3	
13 2-Methyl-1,3-butadiene	53	2.024	2.023	0.001	95	127678	50.0	56.7	
14 1,2-Dichloro-1,1,2-trifluo	117	2.076	2.064	0.012	89	109223	50.0	51.1	
15 1,1,2-Trichloro-1,2,2-trif	101	2.212	2.211	0.001	97	118491	50.0	57.0	
16 Acrolein	56	2.229	2.222	0.007	96	40666	100.0	88.0	
17 1,1-Dichloroethene	96	2.259	2.252	0.007	97	140070	50.0	52.8	
18 Acetone	43	2.388	2.381	0.007	86	247942	250.0	258.5	
19 Iodomethane	142	2.441	2.440	0.001	97	212607	50.0	53.1	
20 Carbon disulfide	76	2.476	2.475	0.001	99	478190	50.0	50.3	
21 Isopropyl alcohol	45	2.511	2.499	0.012	99	73784	500.0	469.3	
22 3-Chloro-1-propene	76	2.676	2.669	0.007	95	80871	50.0	50.9	
24 Cyclopentene	67	2.687	2.687	0.000	95	372614	50.0	56.4	
23 Methyl acetate	43	2.699	2.692	0.007	99	516489	250.0	269.8	
25 Acetonitrile	41	2.770	2.763	0.007	98	177981	500.0	506.2	
27 Methylene Chloride	84	2.834	2.833	0.001	93	147054	50.0	48.4	
* 26 TBA-d9 (IS)	65	2.840	2.833	0.007	80	239879	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.928	2.922	0.006	99	125375	500.0	535.5	
29 Methyl tert-butyl ether	73	3.034	3.033	0.001	96	430198	50.0	52.1	
30 trans-1,2-Dichloroethene	96	3.069	3.069	0.001	96	150726	50.0	51.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.181	3.174	0.007	93	519655	500.0	500.9	
32 Hexane	57	3.263	3.262	0.001	91	107422	50.0	54.2	
33 Isopropyl ether	45	3.539	3.539	0.000	96	463476	50.0	52.8	
34 1,1-Dichloroethane	63	3.581	3.574	0.007	99	274842	50.0	50.9	
35 Vinyl acetate	43	3.604	3.603	0.001	100	237174	100.0	55.1	
36 2-Chloro-1,3-butadiene	88	3.628	3.627	0.001	92	137143	50.0	55.4	
37 Tert-butyl ethyl ether	59	3.933	3.926	0.007	88	472976	50.0	52.1	
* 38 2-Butanone-d5	46	4.180	4.179	0.001	89	279023	250.0	250.0	
39 2,2-Dichloropropane	79	4.174	4.185	-0.011	95	64617	50.0	50.3	
40 cis-1,2-Dichloroethene	96	4.215	4.214	0.001	98	165102	50.0	50.5	
41 2-Butanone (MEK)	72	4.250	4.244	0.006	96	84760	250.0	263.8	
42 Ethyl acetate	70	4.262	4.255	0.007	95	32113	100.0	90.4	
43 Methyl acrylate	55	4.315	4.314	0.001	100	123563	50.0	49.1	
44 Propionitrile	54	4.421	4.414	0.007	98	193818	500.0	501.8	
45 Tetrahydrofuran	72	4.479	4.484	-0.005	80	35172	100.0	96.8	
46 Chlorobromomethane	128	4.491	4.490	0.001	86	78468	50.0	49.7	
47 Methacrylonitrile	67	4.538	4.537	0.001	92	591481	500.0	533.0	
48 Chloroform	83	4.562	4.555	0.007	99	259546	50.0	51.3	
49 Cyclohexane	56	4.697	4.690	0.007	91	193943	50.0	52.7	
50 1,1,1-Trichloroethane	97	4.720	4.720	0.000	99	213872	50.0	51.4	
$ 51 Dibromofluoromethane (Surr	113	4.750	4.749	0.001	97	147900	50.0	50.6	
52 Carbon tetrachloride	117	4.855	4.855	0.000	96	185504	50.0	55.7	
53 1,1-Dichloropropene	75	4.903	4.902	0.000	95	200970	50.0	52.6	
54 Isobutyl alcohol	43	5.073	5.066	0.007	97	168144	1250.0	1280.6	
55 Isooctane	57	5.102	5.096	0.006	98	215641	50.0	53.8	
56 Benzene	78	5.138	5.137	0.001	96	611640	50.0	50.6	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.167	5.160	0.007	97	174472	50.0	50.3	
59 Tert-amyl methyl ether	73	5.214	5.213	0.001	77	427366	50.0	51.1	
58 Isopropyl acetate	43	5.220	5.225	-0.005	91	404540	50.0	51.3	
60 1,2-Dichloroethane	62	5.255	5.254	0.001	97	204703	50.0	49.6	
61 n-Heptane	57	5.320	5.325	-0.005	92	46444	50.0	52.0	
* 62 Fluorobenzene	96	5.478	5.483	-0.005	98	619175	50.0	50.0	
63 n-Butanol	56	5.843	5.842	0.001	90	87498	1250.0	1250.9	
64 Trichloroethene	95	5.890	5.889	0.001	98	163169	50.0	53.4	
66 Methylcyclohexane	83	6.025	6.024	0.001	95	148843	50.0	53.7	
65 Ethyl acrylate	55	6.036	6.036	0.000	99	299638	50.0	57.7	
67 1,2-Dichloropropane	63	6.224	6.224	0.000	89	153660	50.0	51.1	
* 68 1,4-Dioxane-d8	96	6.295	6.288	0.007	91	30690	1000.0	1000.0	
69 Methyl methacrylate	100	6.318	6.318	0.000	88	87279	100.0	100.2	
70 1,4-Dioxane	88	6.354	6.359	-0.005	53	29628	1000.0	1108.3	
72 Dibromomethane	93	6.371	6.371	0.001	86	93638	50.0	50.1	
71 n-Propyl acetate	43	6.383	6.382	0.001	98	193891	50.0	49.5	
73 Dichlorobromomethane	83	6.548	6.547	0.001	99	203811	50.0	49.4	
74 2-Chloroethyl vinyl ether	63	6.930	6.935	-0.005	72	104947	50.0	54.3	
75 2-Nitropropane	41	6.935	6.935	0.000	80	85275	100.0	95.3	
76 Epichlorohydrin	57	7.053	7.052	0.001	99	277049	1000.0	969.1	
77 cis-1,3-Dichloropropene	75	7.112	7.111	0.001	94	261685	50.0	49.6	
78 4-Methyl-2-pentanone (MIBK	43	7.300	7.293	0.007	96	640392	250.0	249.1	
$ 79 Toluene-d8 (Surr)	98	7.382	7.381	0.001	99	623068	50.0	48.7	
80 Toluene	91	7.470	7.469	0.001	93	657708	50.0	50.2	
81 trans-1,3-Dichloropropene	75	7.858	7.857	0.001	95	238615	50.0	49.7	
82 Ethyl methacrylate	69	7.881	7.886	-0.005	89	191389	50.0	49.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	8.093	8.098	-0.005	96	120314	50.0	49.0	
84 Tetrachloroethene	166	8.134	8.127	0.007	96	147839	50.0	53.3	
85 1,3-Dichloropropane	76	8.328	8.321	0.007	97	233710	50.0	50.7	
86 2-Hexanone	58	8.393	8.392	0.001	95	269850	250.0	249.5	
87 n-Butyl acetate	43	8.510	8.509	0.001	99	216594	50.0	49.1	
88 Chlorodibromomethane	129	8.575	8.574	0.001	99	169660	50.0	51.3	
89 Ethylene Dibromide	107	8.745	8.744	0.001	98	146851	50.0	50.7	
* 90 Chlorobenzene-d5	117	9.315	9.314	0.001	86	493809	50.0	50.0	
91 Chlorobenzene	112	9.350	9.349	0.001	94	436211	50.0	50.9	
92 Ethylbenzene	106	9.438	9.438	0.000	98	220129	50.0	52.2	
93 1,1,1,2-Tetrachloroethane	131	9.456	9.455	0.001	95	160737	50.0	52.3	
94 m-Xylene & p-Xylene	106	9.573	9.579	-0.005	96	279436	50.0	51.8	
95 n-Butyl acrylate	73	9.967	9.966	0.001	97	122008	50.0	48.8	
96 o-Xylene	106	9.991	9.996	-0.005	94	281689	50.0	52.6	
97 Styrene	104	10.020	10.019	0.001	96	498111	50.0	51.6	
98 Amyl acetate (mixed isomer	43	10.179	10.184	-0.005	91	265687	50.0	50.0	
99 Bromoform	173	10.220	10.225	-0.005	98	108740	50.0	48.1	
100 Isopropylbenzene	105	10.326	10.325	0.001	96	607194	50.0	53.9	
$ 101 4-Bromofluorobenzene	174	10.502	10.501	0.001	88	199472	50.0	48.8	
102 Bromobenzene	156	10.625	10.624	0.001	98	191529	50.0	51.9	
103 1,1,2,2-Tetrachloroethane	83	10.649	10.654	-0.005	97	164566	50.0	46.1	
104 N-Propylbenzene	91	10.672	10.671	0.001	99	681738	50.0	54.0	
105 1,2,3-Trichloropropane	110	10.696	10.695	0.001	96	52359	50.0	49.0	
106 trans-1,4-Dichloro-2-buten	53	10.707	10.707	0.000	92	50561	50.0	51.0	
107 4-Ethyltoluene	105	10.766	10.765	0.001	88	611964	50.0	53.5	
108 2-Chlorotoluene	91	10.766	10.765	0.001	96	534774	50.0	52.8	
109 1,3,5-Trimethylbenzene	105	10.819	10.818	0.001	93	531316	50.0	53.6	
110 4-Chlorotoluene	91	10.860	10.859	0.001	98	513723	50.0	52.6	
111 Butyl Methacrylate	87	10.890	10.889	0.001	92	236915	50.0	52.5	
112 tert-Butylbenzene	119	11.054	11.059	-0.005	94	391362	50.0	53.9	
113 1,2,4-Trimethylbenzene	105	11.101	11.106	-0.005	97	572280	50.0	54.1	
114 sec-Butylbenzene	105	11.219	11.218	0.001	99	531592	50.0	56.4	
115 4-Isopropyltoluene	119	11.319	11.318	0.000	98	491565	50.0	55.3	
116 1,3-Dichlorobenzene	146	11.330	11.329	0.001	95	325441	50.0	51.6	
* 117 1,4-Dichlorobenzene-d4	152	11.377	11.382	-0.005	95	283266	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.395	11.394	0.001	95	344188	50.0	53.3	
119 Benzyl chloride	91	11.501	11.500	0.001	98	316059	50.0	43.9	
120 2,3-Dihydroindene	117	11.548	11.547	0.001	95	667564	50.0	54.2	
121 p-Diethylbenzene	119	11.571	11.576	-0.005	93	291573	50.0	53.2	
122 n-Butylbenzene	91	11.589	11.594	-0.005	98	479846	50.0	53.6	
123 1,2-Dichlorobenzene	146	11.653	11.653	0.000	96	335610	50.0	52.8	
124 1,2,4,5-Tetramethylbenzene	119	12.094	12.093	0.001	98	489621	50.0	54.4	
125 1,2-Dibromo-3-Chloropropan	155	12.188	12.187	0.001	95	30783	50.0	49.1	
126 1,3,5-Trichlorobenzene	180	12.282	12.281	0.001	97	189287	50.0	53.1	
127 1,2,4-Trichlorobenzene	180	12.734	12.740	-0.006	94	173067	50.0	53.4	
128 Hexachlorobutadiene	225	12.805	12.804	0.001	97	69586	50.0	55.0	
129 Naphthalene	128	12.946	12.945	0.001	99	455527	50.0	56.1	
130 1,2,3-Trichlorobenzene	180	13.128	13.127	0.001	96	149126	50.0	56.3	
S 131 1,2-Dichloroethene, Total	100				0		100.0	101.6	
S 132 Xylenes, Total	100				0		100.0	104.3	
S 133 Total BTEX	1				0		250.0	257.3	

Reagents:

ACROLEIN W_00053	Amount Added:	10.00	Units: uL	
MIX 2 Hi_00046	Amount Added:	5.00	Units: uL	
MIX I Hi_00061	Amount Added:	5.00	Units: uL	
GAS Hi_00160	Amount Added:	5.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 12-Aug-2016 15:34:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44246.D

Injection Date: 10-Aug-2016 23:12:30 Instrument ID: CVOAMS8 Operator ID:

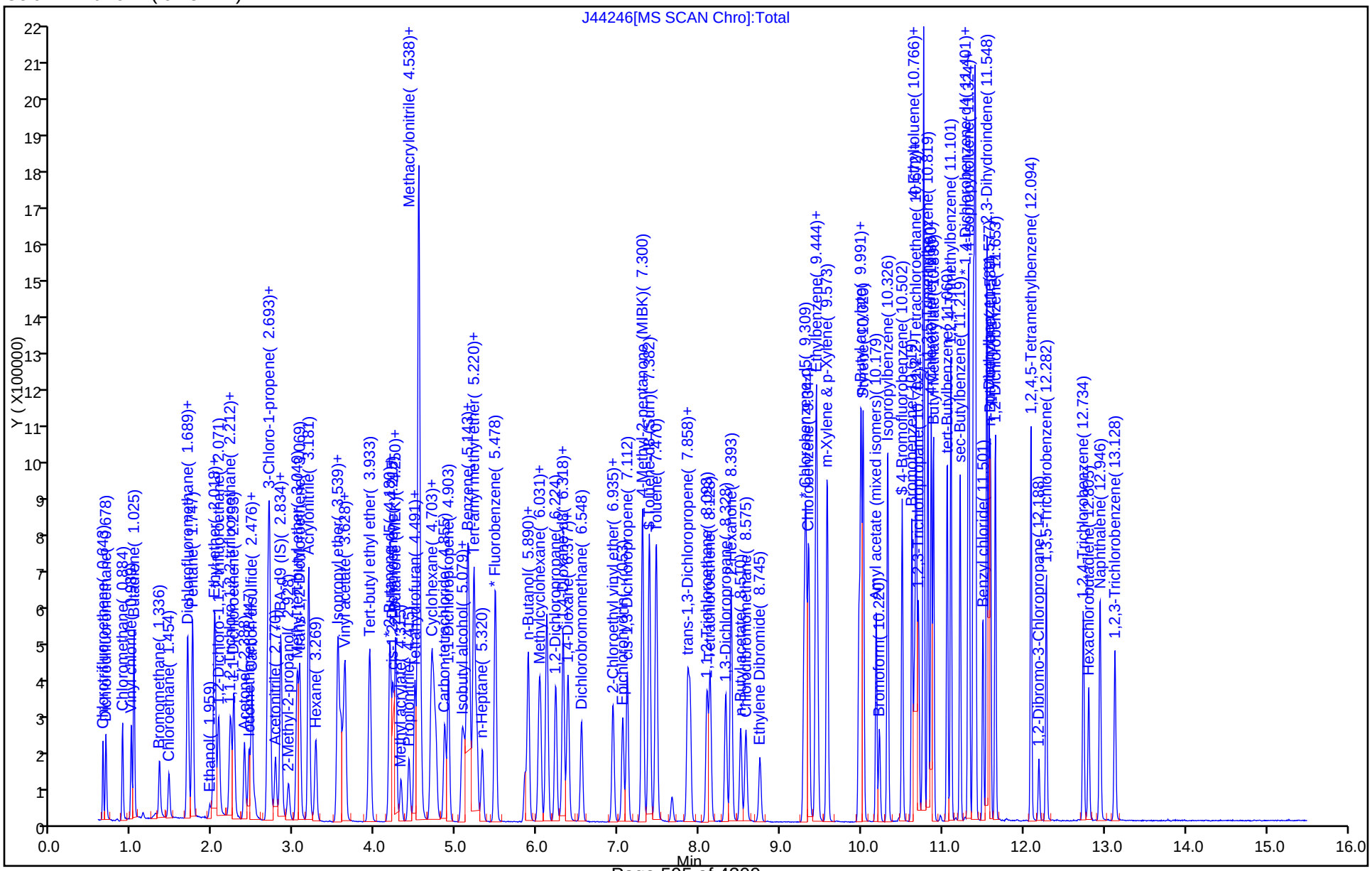
Lims ID: STD50 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44247.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 10-Aug-2016 23:38:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0044330-007
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub49

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Aug-2016 15:35:00 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: martineze Date: 11-Aug-2016 11:10:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.631	0.636	-0.005	94	76630	200.0	198.3	
2 Dichlorodifluoromethane	85	0.672	0.671	0.001	99	614233	200.0	187.5	
3 Chloromethane	50	0.872	0.877	-0.005	99	728753	200.0	187.2	
4 Vinyl chloride	62	0.984	0.983	0.001	98	687185	200.0	193.5	
5 Butadiene	54	1.013	1.018	-0.005	96	565894	200.0	182.3	
6 Bromomethane	94	1.331	1.347	-0.016	99	358483	200.0	171.5	
7 Chloroethane	64	1.448	1.459	-0.011	100	355974	200.0	184.5	
8 Dichlorofluoromethane	67	1.677	1.682	-0.005	99	977838	200.0	187.4	
9 Trichlorofluoromethane	101	1.677	1.688	-0.011	98	805580	200.0	193.1	
10 Pentane	72	1.736	1.747	-0.011	93	109758	400.0	395.9	
11 Ethanol	46	1.959	1.952	0.007	99	78612	8000.0	8041.3	
12 Ethyl ether	59	2.000	1.999	0.001	96	430037	200.0	184.9	
13 2-Methyl-1,3-butadiene	53	2.012	2.023	-0.011	98	469358	200.0	204.8	
14 1,2-Dichloro-1,1,2-trifluo	117	2.065	2.064	0.001	86	414710	200.0	190.6	
15 1,1,2-Trichloro-1,2,2-trif	101	2.206	2.211	-0.005	98	438262	200.0	206.3	
16 Acrolein	56	2.218	2.222	-0.004	97	94355	200.0	206.9	
17 1,1-Dichloroethene	96	2.247	2.252	-0.005	99	524640	200.0	194.4	
18 Acetone	43	2.382	2.381	0.001	86	710667	1000.0	745.2	
19 Iodomethane	142	2.435	2.440	-0.005	97	840890	200.0	206.4	
20 Carbon disulfide	76	2.470	2.475	-0.005	99	1818442	200.0	187.8	
21 Isopropyl alcohol	45	2.506	2.499	0.007	100	274231	2000.0	1767.6	
22 3-Chloro-1-propene	76	2.664	2.669	-0.005	86	303107	200.0	187.4	
24 Cyclopentene	67	2.682	2.687	-0.005	90	1346867	200.0	200.5	
23 Methyl acetate	43	2.694	2.692	0.002	99	1805925	1000.0	927.0	
25 Acetonitrile	41	2.764	2.763	0.001	98	671013	2000.0	1934.1	
27 Methylene Chloride	84	2.829	2.833	-0.004	92	556716	200.0	179.9	
* 26 TBA-d9 (IS)	65	2.841	2.833	0.008	80	236692	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.929	2.922	0.007	99	454393	2000.0	2048.8	
29 Methyl tert-butyl ether	73	3.034	3.033	0.001	97	1538737	200.0	183.0	
30 trans-1,2-Dichloroethene	96	3.064	3.069	-0.004	96	558140	200.0	186.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.175	3.174	0.001	92	1906412	2000.0	1862.5	
32 Hexane	57	3.264	3.262	0.002	91	388219	200.0	200.7	
33 Isopropyl ether	45	3.534	3.539	-0.005	96	1661325	200.0	186.1	
34 1,1-Dichloroethane	63	3.575	3.574	0.001	100	1030187	200.0	187.3	
35 Vinyl acetate	43	3.604	3.603	0.001	99	2062028	400.0	470.4	
36 2-Chloro-1,3-butadiene	88	3.622	3.627	-0.005	92	505231	200.0	200.5	
37 Tert-butyl ethyl ether	59	3.927	3.926	0.001	89	1708233	200.0	185.0	
* 38 2-Butanone-d5	46	4.180	4.179	0.001	43	277396	250.0	250.0	
39 2,2-Dichloropropane	79	4.174	4.185	-0.011	94	238353	200.0	196.0	
40 cis-1,2-Dichloroethene	96	4.215	4.214	0.001	97	625244	200.0	187.7	
41 2-Butanone (MEK)	72	4.245	4.244	0.001	97	284420	1000.0	890.4	
42 Ethyl acetate	70	4.251	4.255	-0.004	96	124644	400.0	353.0	
43 Methyl acrylate	55	4.315	4.314	0.001	100	465367	200.0	181.7	
44 Propionitrile	54	4.415	4.414	0.001	97	727934	2000.0	1910.1	
45 Tetrahydrofuran	72	4.486	4.484	0.002	92	130470	400.0	361.2	
46 Chlorobromomethane	128	4.492	4.490	0.002	89	295986	200.0	184.4	
47 Methacrylonitrile	67	4.539	4.537	0.002	91	2057893	2000.0	1822.1	
48 Chloroform	83	4.562	4.555	0.007	99	957616	200.0	186.1	
49 Cyclohexane	56	4.691	4.690	0.001	92	722467	200.0	201.1	
50 1,1,1-Trichloroethane	97	4.721	4.720	0.001	99	824273	200.0	194.7	
$ 51 Dibromofluoromethane (Surr	113	4.750	4.749	0.001	97	147817	50.0	49.7	
52 Carbon tetrachloride	117	4.856	4.855	0.001	97	710287	200.0	209.5	
53 1,1-Dichloropropene	75	4.903	4.902	0.001	96	780229	200.0	200.8	
54 Isobutyl alcohol	43	5.073	5.066	0.007	98	627255	5000.0	4841.4	
55 Isooctane	57	5.097	5.096	0.001	94	777476	200.0	190.7	
56 Benzene	78	5.138	5.137	0.001	97	2281795	200.0	185.9	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.167	5.160	0.007	73	180962	50.0	51.3	
59 Tert-amyl methyl ether	73	5.214	5.213	0.001	93	1600117	200.0	188.2	
58 Isopropyl acetate	43	5.220	5.225	-0.005	97	1502674	200.0	187.3	
60 1,2-Dichloroethane	62	5.255	5.254	0.001	96	789770	200.0	188.0	
61 n-Heptane	57	5.320	5.325	-0.005	92	176463	200.0	201.7	
* 62 Fluorobenzene	96	5.479	5.483	-0.004	98	630147	50.0	50.0	
63 n-Butanol	56	5.849	5.842	0.007	90	306961	5000.0	4447.6	
64 Trichloroethene	95	5.890	5.889	0.001	99	576746	200.0	185.5	
66 Methylcyclohexane	83	6.019	6.024	-0.005	85	548919	200.0	200.8	
65 Ethyl acrylate	55	6.037	6.036	0.001	98	1100936	200.0	208.5	
67 1,2-Dichloropropane	63	6.225	6.224	0.001	88	573896	200.0	187.7	
* 68 1,4-Dioxane-d8	96	6.301	6.288	0.013	40	31117	1000.0	1000.0	
69 Methyl methacrylate	100	6.319	6.318	0.001	89	326242	400.0	367.8	
70 1,4-Dioxane	88	6.360	6.359	0.001	86	108235	4000.0	3993.3	
72 Dibromomethane	93	6.372	6.371	0.002	95	350121	200.0	184.2	
71 n-Propyl acetate	43	6.383	6.382	0.001	99	728955	200.0	183.0	
73 Dichlorobromomethane	83	6.548	6.547	0.001	100	785087	200.0	187.1	
74 2-Chloroethyl vinyl ether	63	6.936	6.935	0.001	91	350208	200.0	178.0	
75 2-Nitropropane	41	6.936	6.935	0.001	91	333550	400.0	366.3	
76 Epichlorohydrin	57	7.053	7.052	0.001	100	1023270	4000.0	3600.5	
77 cis-1,3-Dichloropropene	75	7.112	7.111	0.001	94	987502	200.0	184.2	
78 4-Methyl-2-pentanone (MIBK	43	7.300	7.293	0.007	95	2338349	1000.0	915.1	
$ 79 Toluene-d8 (Surr)	98	7.382	7.381	0.001	99	655014	50.0	50.4	
80 Toluene	91	7.470	7.469	0.001	94	2438942	200.0	183.2	
81 trans-1,3-Dichloropropene	75	7.858	7.857	0.001	96	917348	200.0	188.1	
82 Ethyl methacrylate	69	7.888	7.886	0.002	88	741949	200.0	187.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	8.093	8.098	-0.005	96	450190	200.0	180.5	
84 Tetrachloroethene	166	8.134	8.127	0.007	95	570931	200.0	202.5	
85 1,3-Dichloropropane	76	8.328	8.321	0.007	95	902826	200.0	192.9	
86 2-Hexanone	58	8.393	8.392	0.001	95	968252	1000.0	900.4	
87 n-Butyl acetate	43	8.510	8.509	0.001	99	825756	200.0	184.1	
88 Chlorodibromomethane	129	8.575	8.574	0.001	99	649090	200.0	193.2	
89 Ethylene Dibromide	107	8.745	8.744	0.001	98	548253	200.0	186.2	
* 90 Chlorobenzene-d5	117	9.315	9.314	0.001	86	501487	50.0	50.0	
91 Chlorobenzene	112	9.351	9.349	0.002	94	1639825	200.0	188.6	
92 Ethylbenzene	106	9.439	9.438	0.001	99	823083	200.0	192.3	
93 1,1,1,2-Tetrachloroethane	131	9.456	9.455	0.001	96	603264	200.0	193.2	
94 m-Xylene & p-Xylene	106	9.580	9.579	0.002	96	1058360	200.0	193.1	
95 n-Butyl acrylate	73	9.967	9.966	0.001	97	463035	200.0	182.2	
96 o-Xylene	106	9.991	9.996	-0.005	94	1060150	200.0	194.8	
97 Styrene	104	10.020	10.019	0.001	95	1842307	200.0	188.0	
98 Amyl acetate (mixed isomer	43	10.185	10.184	0.001	91	998406	200.0	171.5	
99 Bromoform	173	10.220	10.225	-0.005	98	426993	200.0	186.0	
100 Isopropylbenzene	105	10.326	10.325	0.001	96	2286132	200.0	199.8	
$ 101 4-Bromofluorobenzene	174	10.502	10.501	0.001	88	208013	50.0	50.1	
102 Bromobenzene	156	10.626	10.624	0.002	98	735185	200.0	181.7	
103 1,1,2,2-Tetrachloroethane	83	10.655	10.654	0.001	98	711471	200.0	182.1	
104 N-Propylbenzene	91	10.673	10.671	0.002	99	2500748	200.0	180.7	
105 1,2,3-Trichloropropane	110	10.696	10.695	0.001	98	198602	200.0	169.8	
106 trans-1,4-Dichloro-2-buten	53	10.708	10.707	0.001	94	197789	200.0	189.9	
107 4-Ethyltoluene	105	10.767	10.765	0.002	87	2185493	200.0	174.4	
108 2-Chlorotoluene	91	10.767	10.765	0.002	96	1935381	200.0	174.6	
109 1,3,5-Trimethylbenzene	105	10.819	10.818	0.001	94	1984126	200.0	182.7	
110 4-Chlorotoluene	91	10.861	10.859	0.002	97	1912971	200.0	178.9	
111 Butyl Methacrylate	87	10.890	10.889	0.001	92	909742	200.0	184.1	
112 tert-Butylbenzene	119	11.060	11.059	0.001	94	1511929	200.0	190.0	
113 1,2,4-Trimethylbenzene	105	11.101	11.106	-0.005	97	2093313	200.0	180.7	
114 sec-Butylbenzene	105	11.219	11.218	0.001	98	1996875	200.0	193.6	
115 4-Isopropyltoluene	119	11.319	11.318	0.001	97	1849609	200.0	190.0	
116 1,3-Dichlorobenzene	146	11.331	11.329	0.002	95	1236171	200.0	179.1	
* 117 1,4-Dichlorobenzene-d4	152	11.378	11.382	-0.004	95	310296	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.395	11.394	0.001	93	1279808	200.0	181.0	
119 Benzyl chloride	91	11.501	11.500	0.001	99	1164748	200.0	147.7	
120 2,3-Dihydroindene	117	11.548	11.547	0.001	95	2431504	200.0	180.3	
121 p-Diethylbenzene	119	11.571	11.576	-0.005	92	1077030	200.0	179.4	
122 n-Butylbenzene	91	11.589	11.594	-0.005	98	1798126	200.0	183.3	
123 1,2-Dichlorobenzene	146	11.654	11.653	0.001	95	1263752	200.0	181.5	
124 1,2,4,5-Tetramethylbenzene	119	12.089	12.093	-0.005	98	1760810	200.0	178.6	
125 1,2-Dibromo-3-Chloropropan	155	12.188	12.187	0.001	95	121691	200.0	177.0	
126 1,3,5-Trichlorobenzene	180	12.282	12.281	0.001	98	686716	200.0	176.0	
127 1,2,4-Trichlorobenzene	180	12.735	12.740	-0.005	94	672580	200.0	189.6	
128 Hexachlorobutadiene	225	12.805	12.804	0.001	97	266808	200.0	198.9	
129 Naphthalene	128	12.940	12.945	-0.005	99	1787209	200.0	200.9	
130 1,2,3-Trichlorobenzene	180	13.128	13.127	0.001	96	573971	200.0	197.7	
S 131 1,2-Dichloroethene, Total	100				0		400.0	373.8	
S 132 Xylenes, Total	100				0		400.0	387.9	
S 133 Total BTEX	1				0		1000.0	949.2	

Reagents:

ACROLEIN W_00053	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00046	Amount Added:	20.00	Units: uL	
MIX I Hi_00061	Amount Added:	20.00	Units: uL	
GAS Hi_00160	Amount Added:	20.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

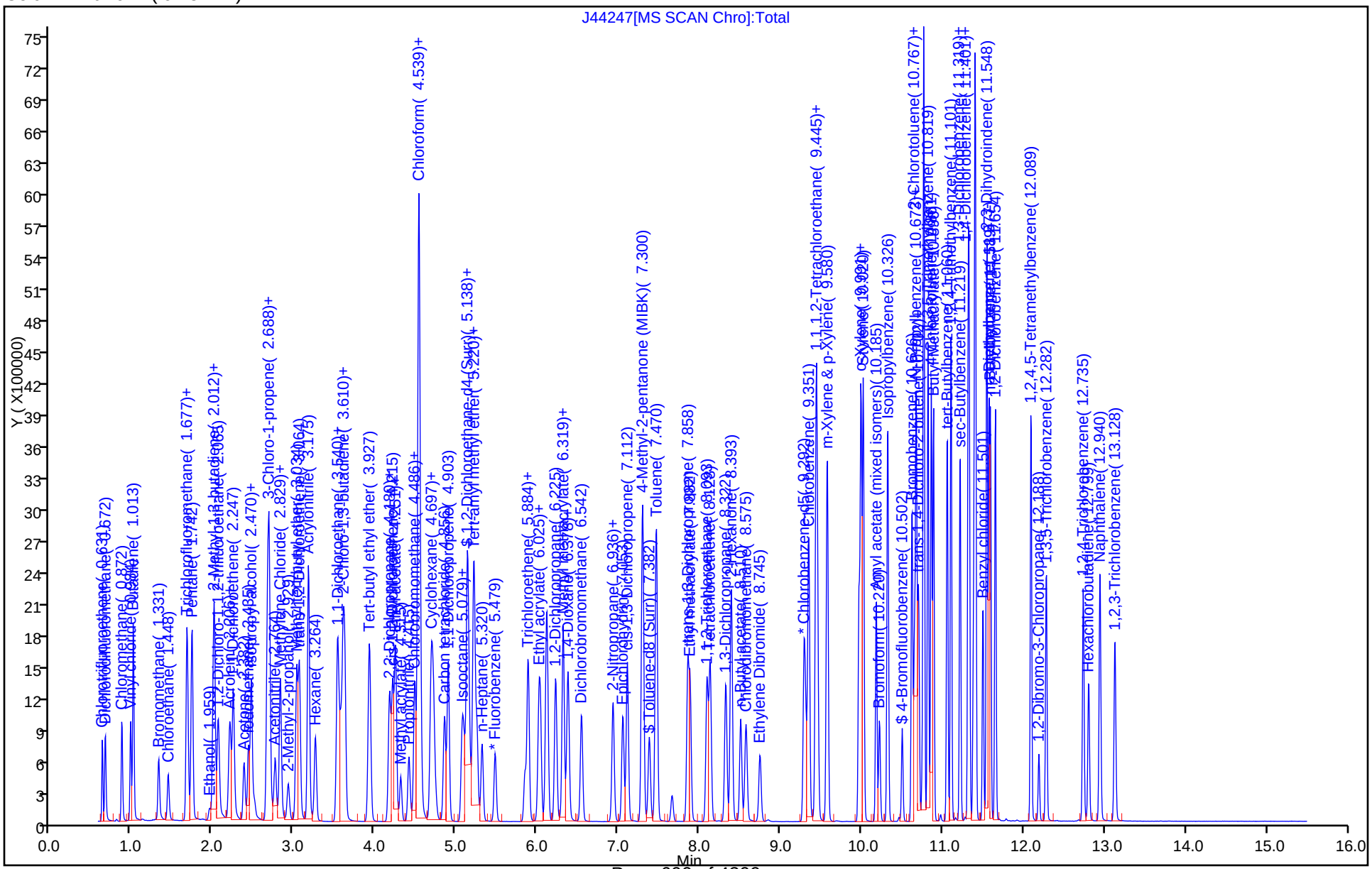
Report Date: 12-Aug-2016 15:35:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44247.D

Injection Date:	10-Aug-2016 23:38:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	STD200			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44248.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-Aug-2016 00:03:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0044330-008
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub49

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Aug-2016 15:35:10 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: martineze Date: 11-Aug-2016 11:12:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.641	0.636	0.005	95	189962	500.0	500.2	
2 Dichlorodifluoromethane	85	0.676	0.671	0.005	99	1577681	500.0	463.3	
3 Chloromethane	50	0.882	0.877	0.005	98	1676788	500.0	414.4	
4 Vinyl chloride	62	0.987	0.983	0.004	97	1584124	500.0	429.1	
5 Butadiene	54	1.023	1.018	0.005	97	1385615	500.0	429.4	
6 Bromomethane	94	1.340	1.347	-0.007	99	928613	500.0	427.4	
7 Chloroethane	64	1.452	1.459	-0.007	100	869577	500.0	433.6	
8 Dichlorofluoromethane	67	1.687	1.682	0.005	98	2326117	500.0	428.9	
9 Trichlorofluoromethane	101	1.687	1.688	-0.001	98	2008052	500.0	463.1	
10 Pentane	72	1.745	1.747	-0.002	92	293425	1000.0	1000.5	
11 Ethanol	46	1.963	1.952	0.011	99	205972	20000	20403	
12 Ethyl ether	59	2.004	1.999	0.005	96	986773	500.0	408.0	
13 2-Methyl-1,3-butadiene	53	2.021	2.023	-0.002	98	1176449	500.0	493.8	
14 1,2-Dichloro-1,1,2-trifluo	117	2.068	2.064	0.004	94	988877	500.0	437.1	
15 1,1,2-Trichloro-1,2,2-trif	101	2.215	2.211	0.004	98	1098910	500.0	497.2	
16 Acrolein	56	2.227	2.222	0.005	96	152410	400.0	323.6	
17 1,1-Dichloroethene	96	2.257	2.252	0.004	98	1212937	500.0	432.2	
18 Acetone	43	2.386	2.381	0.005	86	2077292	2500.0	2184.8	
19 Iodomethane	142	2.445	2.440	0.005	98	1867013	500.0	440.8	
20 Carbon disulfide	76	2.480	2.475	0.005	99	4077238	500.0	405.0	
21 Isopropyl alcohol	45	2.521	2.499	0.022	99	731451	5000.0	4565.6	
22 3-Chloro-1-propene	76	2.674	2.669	0.005	90	693294	500.0	412.3	
24 Cyclopentene	67	2.691	2.687	0.004	90	3276840	500.0	469.1	
23 Methyl acetate	43	2.697	2.692	0.005	98	3979592	2500.0	1965.1	
25 Acetonitrile	41	2.774	2.763	0.011	98	1799417	5000.0	5022.5	
27 Methylene Chloride	84	2.832	2.833	-0.001	92	1301930	500.0	404.6	
* 26 TBA-d9 (IS)	65	2.850	2.833	0.017	80	244425	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.938	2.922	0.016	99	1124675	5000.0	4953.4	
29 Methyl tert-butyl ether	73	3.038	3.033	0.005	97	3617177	500.0	413.7	
30 trans-1,2-Dichloroethene	96	3.073	3.069	0.005	96	1289325	500.0	413.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.185	3.174	0.011	92	4180482	5000.0	3954.9	
32 Hexane	57	3.267	3.262	0.005	91	916347	500.0	499.8	
33 Isopropyl ether	45	3.543	3.539	0.004	97	3933589	500.0	423.9	
34 1,1-Dichloroethane	63	3.578	3.574	0.004	99	2427721	500.0	424.6	
35 Vinyl acetate	43	3.608	3.603	0.005	99	2782057	1000.0	610.6	
36 2-Chloro-1,3-butadiene	88	3.631	3.627	0.004	92	1288228	500.0	491.8	
37 Tert-butyl ethyl ether	59	3.931	3.926	0.005	89	4285575	500.0	446.4	
* 38 2-Butanone-d5	46	4.190	4.179	0.011	76	276547	250.0	250.0	
39 2,2-Dichloropropane	79	4.184	4.185	-0.001	95	551137	500.0	505.4	
40 cis-1,2-Dichloroethene	96	4.219	4.214	0.005	97	1422046	500.0	410.7	
41 2-Butanone (MEK)	72	4.254	4.244	0.010	99	722088	2500.0	2267.5	
42 Ethyl acetate	70	4.260	4.255	0.005	99	321900	1000.0	914.5	
43 Methyl acrylate	55	4.319	4.314	0.005	100	1199370	500.0	450.4	
44 Propionitrile	54	4.425	4.414	0.011	97	1920897	5000.0	4880.8	
45 Tetrahydrofuran	72	4.489	4.484	0.005	85	306793	1000.0	852.0	
46 Chlorobromomethane	128	4.495	4.490	0.005	87	695657	500.0	416.9	
47 Methacrylonitrile	67	4.554	4.537	0.017	88	4811039	5000.0	4097.6	
48 Chloroform	83	4.571	4.555	0.016	98	2151241	500.0	402.1	
49 Cyclohexane	56	4.695	4.690	0.005	91	1706142	500.0	499.8	
50 1,1,1-Trichloroethane	97	4.724	4.720	0.004	99	1926086	500.0	437.6	
$ 51 Dibromofluoromethane (Surr	113	4.754	4.749	0.005	97	153170	50.0	49.6	
52 Carbon tetrachloride	117	4.859	4.855	0.004	97	1692136	500.0	480.1	
53 1,1-Dichloropropene	75	4.906	4.902	0.004	95	1837589	500.0	454.8	
54 Isobutyl alcohol	43	5.083	5.066	0.017	97	1500287	12500	11213	
55 Isooctane	57	5.100	5.096	0.004	96	2048092	500.0	483.1	
56 Benzene	78	5.141	5.137	0.004	97	5021261	500.0	403.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.171	5.160	0.011	46	183131	50.0	49.9	
59 Tert-amyl methyl ether	73	5.218	5.213	0.005	92	4044781	500.0	457.5	
58 Isopropyl acetate	43	5.224	5.225	-0.001	98	3679340	500.0	441.1	
60 1,2-Dichloroethane	62	5.259	5.254	0.005	96	1861489	500.0	426.2	
61 n-Heptane	57	5.323	5.325	-0.002	92	418587	500.0	499.7	
* 62 Fluorobenzene	96	5.482	5.483	-0.001	98	655090	50.0	50.0	
63 n-Butanol	56	5.852	5.842	0.010	90	829405	12500	11637	
64 Trichloroethene	95	5.888	5.889	-0.001	98	1422273	500.0	440.1	
66 Methylcyclohexane	83	6.029	6.024	0.005	96	1329484	500.0	499.8	
65 Ethyl acrylate	55	6.040	6.036	0.004	99	2737211	500.0	498.5	
67 1,2-Dichloropropane	63	6.234	6.224	0.010	87	1366611	500.0	429.9	
* 68 1,4-Dioxane-d8	96	6.305	6.288	0.017	40	40194	1000.0	1000.0	
69 Methyl methacrylate	100	6.322	6.318	0.004	88	849331	1000.0	921.2	
70 1,4-Dioxane	88	6.369	6.359	0.010	81	267535	10000	7641.5	
72 Dibromomethane	93	6.381	6.371	0.011	96	808588	500.0	409.2	
71 n-Propyl acetate	43	6.387	6.382	0.005	98	1884420	500.0	455.1	
73 Dichlorobromomethane	83	6.551	6.547	0.004	99	1857008	500.0	425.7	
74 2-Chloroethyl vinyl ether	63	6.939	6.935	0.004	96	993508	500.0	485.6	
75 2-Nitropropane	41	6.939	6.935	0.004	98	867847	1000.0	916.8	
76 Epichlorohydrin	57	7.063	7.052	0.011	99	2373609	10000	8377.4	
77 cis-1,3-Dichloropropene	75	7.116	7.111	0.005	93	2325753	500.0	427.6	
78 4-Methyl-2-pentanone (MIBK	43	7.304	7.293	0.011	93	5204511	2500.0	2042.9	
$ 79 Toluene-d8 (Surr)	98	7.386	7.381	0.005	99	677865	50.0	51.4	
80 Toluene	91	7.474	7.469	0.005	95	5424467	500.0	401.6	
81 trans-1,3-Dichloropropene	75	7.862	7.857	0.005	99	2134528	500.0	431.4	
82 Ethyl methacrylate	69	7.891	7.886	0.005	89	1726521	500.0	419.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	8.097	8.098	-0.001	96	1068235	500.0	422.2	
84 Tetrachloroethene	166	8.132	8.127	0.005	95	1347891	500.0	471.2	
85 1,3-Dichloropropane	76	8.332	8.321	0.011	95	2087394	500.0	439.5	
86 2-Hexanone	58	8.396	8.392	0.004	93	2301165	2500.0	2146.6	
87 n-Butyl acetate	43	8.514	8.509	0.005	99	2125662	500.0	467.2	
88 Chlorodibromomethane	129	8.579	8.574	0.004	99	1545966	500.0	453.4	
89 Ethylene Dibromide	107	8.749	8.744	0.005	98	1315566	500.0	440.4	
* 90 Chlorobenzene-d5	117	9.319	9.314	0.005	86	508789	50.0	50.0	
91 Chlorobenzene	112	9.354	9.349	0.005	92	3702742	500.0	419.7	
92 Ethylbenzene	106	9.442	9.438	0.004	98	1867113	500.0	430.0	
93 1,1,1,2-Tetrachloroethane	131	9.460	9.455	0.005	95	1396574	500.0	440.9	
94 m-Xylene & p-Xylene	106	9.583	9.579	0.005	95	2411450	500.0	433.7	
95 n-Butyl acrylate	73	9.971	9.966	0.005	98	1178903	500.0	457.2	
96 o-Xylene	106	9.994	9.996	-0.002	94	2356234	500.0	426.7	
97 Styrene	104	10.024	10.019	0.005	93	3995669	500.0	401.9	
98 Amyl acetate (mixed isomer	43	10.183	10.184	-0.002	92	2485778	500.0	434.1	
99 Bromoform	173	10.224	10.225	-0.001	98	1028971	500.0	441.8	
100 Isopropylbenzene	105	10.324	10.325	-0.001	97	4911366	500.0	423.0	
$ 101 4-Bromofluorobenzene	174	10.506	10.501	0.005	90	222547	50.0	52.8	
102 Bromobenzene	156	10.623	10.624	-0.001	96	1700928	500.0	427.5	
103 1,1,2,2-Tetrachloroethane	83	10.653	10.654	-0.001	97	1554252	500.0	404.4	
104 N-Propylbenzene	91	10.676	10.671	0.005	98	5364158	500.0	394.1	
105 1,2,3-Trichloropropane	110	10.700	10.695	0.005	96	471272	500.0	409.7	
106 trans-1,4-Dichloro-2-buten	53	10.711	10.707	0.004	80	478528	500.0	509.9	
107 4-Ethyltoluene	105	10.770	10.765	0.005	86	5026450	500.0	407.9	
108 2-Chlorotoluene	91	10.770	10.765	0.005	96	4146088	500.0	380.3	
109 1,3,5-Trimethylbenzene	105	10.823	10.818	0.005	94	4284432	500.0	401.1	
110 4-Chlorotoluene	91	10.864	10.859	0.005	97	4168773	500.0	396.5	
111 Butyl Methacrylate	87	10.893	10.889	0.004	92	2183218	500.0	449.3	
112 tert-Butylbenzene	119	11.058	11.059	-0.001	93	3365546	500.0	430.1	
113 1,2,4-Trimethylbenzene	105	11.105	11.106	-0.001	97	4361023	500.0	382.9	
114 sec-Butylbenzene	105	11.217	11.218	-0.001	97	4333620	500.0	427.2	
115 4-Isopropyltoluene	119	11.316	11.318	-0.002	99	3807344	500.0	397.7	
116 1,3-Dichlorobenzene	146	11.328	11.329	-0.001	93	2608929	500.0	384.3	
* 117 1,4-Dichlorobenzene-d4	152	11.381	11.382	-0.001	94	305123	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.399	11.394	0.005	91	2665424	500.0	383.3	
119 Benzyl chloride	91	11.499	11.500	-0.001	99	2763007	500.0	356.2	
120 2,3-Dihydroindene	117	11.546	11.547	-0.001	96	5262230	500.0	396.9	
121 p-Diethylbenzene	119	11.575	11.576	-0.001	93	2492516	500.0	422.2	
122 n-Butylbenzene	91	11.593	11.594	-0.001	99	3855845	500.0	399.8	
123 1,2-Dichlorobenzene	146	11.651	11.653	-0.002	94	2714462	500.0	396.5	
124 1,2,4,5-Tetramethylbenzene	119	12.092	12.093	-0.001	98	4005855	500.0	413.1	
125 1,2-Dibromo-3-Chloropropan	155	12.186	12.187	-0.001	96	290437	500.0	429.7	
126 1,3,5-Trichlorobenzene	180	12.280	12.281	-0.001	98	1694194	500.0	441.6	
127 1,2,4-Trichlorobenzene	180	12.732	12.740	-0.008	94	1543095	500.0	442.4	
128 Hexachlorobutadiene	225	12.803	12.804	-0.001	97	613444	500.0	500.2	
129 Naphthalene	128	12.938	12.945	-0.007	98	4028064	500.0	460.5	
130 1,2,3-Trichlorobenzene	180	13.126	13.127	-0.001	96	1345803	500.0	471.5	
S 131 1,2-Dichloroethene, Total	100				0		1000.0	824.2	
S 132 Xylenes, Total	100				0		1000.0	860.4	
S 133 Total BTEX	1				0		2500.0	2095.1	

Reagents:

ACROLEIN W_00053	Amount Added:	40.00	Units: uL	
MIX 2 Hi_00046	Amount Added:	50.00	Units: uL	
MIX I Hi_00061	Amount Added:	50.00	Units: uL	
GAS Hi_00160	Amount Added:	50.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 12-Aug-2016 15:35:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44248.D

Injection Date: 11-Aug-2016 00:03:30 Instrument ID: CVOAMS8 Operator ID:

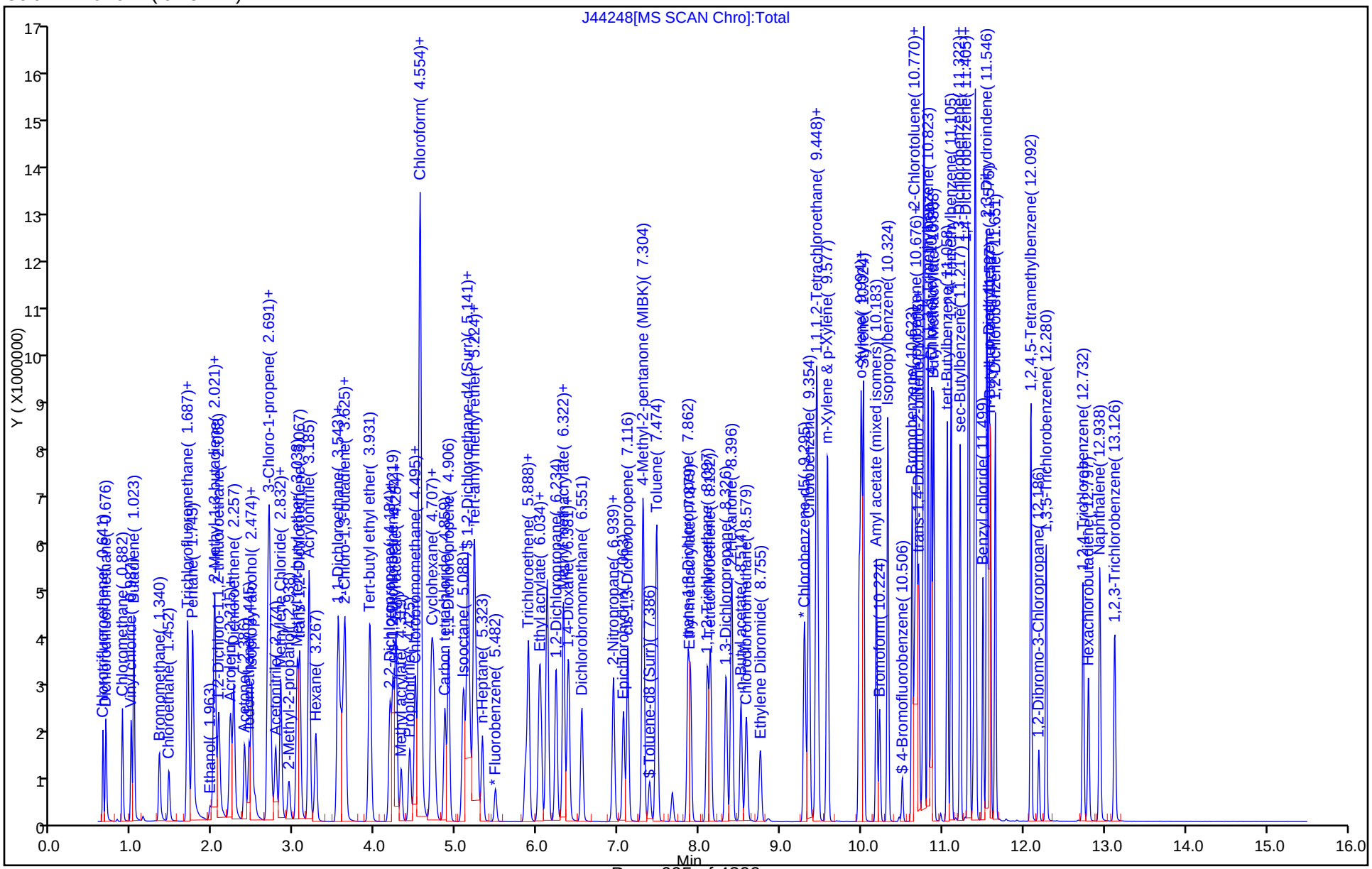
Lims ID: STD500 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Aug-2016 03:05:30 ALS Bottle#: 12 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0044330-015
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub49

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Aug-2016 15:35:22 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: martineze Date: 11-Aug-2016 11:16:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.641	0.636	0.005	89	2142	5.00	4.43	
2 Dichlorodifluoromethane	85	0.670	0.671	-0.001	99	18558	5.00	5.50	
3 Chloromethane	50	0.876	0.877	-0.001	98	19449	5.00	4.86	
4 Vinyl chloride	62	0.981	0.983	-0.002	97	18816	5.00	5.15	
5 Butadiene	54	1.017	1.018	-0.001	95	18163	5.00	5.69	
6 Bromomethane	94	1.346	1.347	-0.001	94	12045	5.00	5.60	
7 Chloroethane	64	1.457	1.459	-0.002	98	9569	5.00	4.82	
8 Dichlorofluoromethane	67	1.686	1.682	0.004	94	28096	5.00	5.23	
9 Trichlorofluoromethane	101	1.686	1.688	-0.002	85	22729	5.00	5.29	
10 Pentane	72	1.745	1.747	-0.002	93	2954	10.0	9.68	
11 Ethanol	46	1.945	1.952	-0.007	1	2114	200.0	227.2	
12 Ethyl ether	59	1.998	1.999	-0.001	91	12574	5.00	5.25	
13 2-Methyl-1,3-butadiene	53	2.027	2.023	0.004	93	11417	5.00	4.84	
14 1,2-Dichloro-1,1,2-trifluo	117	2.068	2.064	0.004	94	11383	5.00	5.08	
15 1,1,2-Trichloro-1,2,2-trif	101	2.209	2.211	-0.002	87	6123	5.00	3.09	
16 Acrolein	56	2.221	2.222	-0.001	97	8347	20.0	19.2	
17 1,1-Dichloroethene	96	2.256	2.252	0.004	97	13335	5.00	4.80	
18 Acetone	43	2.380	2.381	-0.001	85	25430	25.0	26.7	
19 Iodomethane	142	2.438	2.440	-0.002	96	20737	5.00	4.95	
20 Carbon disulfide	76	2.474	2.475	-0.001	98	51179	5.00	5.13	
21 Isopropyl alcohol	45	2.497	2.499	-0.002	98	7000	50.0	47.4	
22 3-Chloro-1-propene	76	2.668	2.669	-0.001	88	9046	5.00	5.43	
24 Cyclopentene	67	2.685	2.687	-0.002	89	35384	5.00	5.12	
23 Methyl acetate	43	2.691	2.692	-0.001	98	53078	25.0	26.5	
25 Acetonitrile	41	2.762	2.763	-0.001	95	16924	50.0	51.2	
27 Methylene Chloride	84	2.832	2.833	-0.001	38	16978	5.00	5.33	
* 26 TBA-d9 (IS)	65	2.832	2.833	-0.001	84	225324	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.926	2.922	0.004	97	15080	50.0	41.9	
29 Methyl tert-butyl ether	73	3.032	3.033	-0.001	96	47390	5.00	5.48	
30 trans-1,2-Dichloroethene	96	3.067	3.069	-0.001	98	15622	5.00	5.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.179	3.174	0.005	92	53163	50.0	54.6	
32 Hexane	57	3.261	3.262	-0.001	89	4723	5.00	2.24	
33 Isopropyl ether	45	3.537	3.539	-0.002	96	48103	5.00	5.24	
34 1,1-Dichloroethane	63	3.578	3.574	0.004	98	30336	5.00	5.36	
35 Vinyl acetate	43	3.608	3.603	0.005	100	50956	10.0	11.3	
36 2-Chloro-1,3-butadiene	88	3.625	3.627	-0.002	92	12266	5.00	4.73	
37 Tert-butyl ethyl ether	59	3.925	3.926	-0.001	90	48338	5.00	5.09	
* 38 2-Butanone-d5	46	4.178	4.179	-0.001	90	276924	250.0	250.0	
39 2,2-Dichloropropane	79	4.183	4.185	-0.002	68	7901	5.00	5.08	
40 cis-1,2-Dichloroethene	96	4.219	4.214	0.005	98	18435	5.00	5.38	
41 2-Butanone (MEK)	72	4.248	4.244	0.004	96	8776	25.0	27.5	
42 Ethyl acetate	70	4.260	4.255	0.005	94	3632	10.0	10.3	M
43 Methyl acrylate	55	4.319	4.314	0.005	99	12616	5.00	4.79	
44 Propionitrile	54	4.413	4.414	-0.001	98	18430	50.0	50.8	
45 Tetrahydrofuran	72	4.483	4.484	-0.001	69	3834	10.0	10.6	
46 Chlorobromomethane	128	4.489	4.490	-0.001	92	8124	5.00	4.92	
47 Methacrylonitrile	67	4.536	4.537	-0.001	92	60557	50.0	52.1	
48 Chloroform	83	4.554	4.555	-0.001	91	27579	5.00	5.21	
49 Cyclohexane	56	4.689	4.690	-0.001	90	9835	5.00	2.52	M
50 1,1,1-Trichloroethane	97	4.712	4.720	-0.008	91	21628	5.00	4.96	
$ 51 Dibromofluoromethane (Surr	113	4.748	4.749	-0.001	97	149264	50.0	48.8	
52 Carbon tetrachloride	117	4.853	4.855	-0.002	95	15683	5.00	4.49	
53 1,1-Dichloropropene	75	4.906	4.902	0.004	96	19489	5.00	4.87	
54 Isobutyl alcohol	43	5.065	5.066	-0.001	95	15794	125.0	128.1	
55 Isooctane	57	5.100	5.096	0.004	97	23535	5.00	5.61	
56 Benzene	78	5.141	5.137	0.004	95	68029	5.00	5.59	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.165	5.160	0.005	97	174065	50.0	47.9	
59 Tert-amyl methyl ether	73	5.218	5.213	0.005	77	43834	5.00	5.01	
58 Isopropyl acetate	43	5.218	5.225	-0.007	92	42360	5.00	5.13	
60 1,2-Dichloroethane	62	5.253	5.254	-0.001	90	22548	5.00	5.22	
61 n-Heptane	57	5.323	5.325	-0.002	91	1891	5.00	1.99	
* 62 Fluorobenzene	96	5.482	5.483	-0.001	98	648557	50.0	50.0	
63 n-Butanol	56	5.846	5.842	0.004	87	7970	125.0	121.3	
64 Trichloroethene	95	5.887	5.889	-0.002	97	16913	5.00	5.29	
66 Methylcyclohexane	83	6.011	6.024	-0.013	60	6140	5.00	2.09	M
65 Ethyl acrylate	55	6.040	6.036	0.004	98	23489	5.00	4.32	
67 1,2-Dichloropropane	63	6.222	6.224	-0.002	87	15672	5.00	4.98	
* 68 1,4-Dioxane-d8	96	6.293	6.288	0.005	92	31008	1000.0	1000.0	
69 Methyl methacrylate	100	6.316	6.318	-0.002	90	9494	10.0	10.4	
70 1,4-Dioxane	88	6.352	6.359	-0.007	57	2724	100.0	100.9	
72 Dibromomethane	93	6.369	6.371	-0.001	94	10045	5.00	5.13	
71 n-Propyl acetate	43	6.387	6.382	0.005	98	19854	5.00	4.84	
73 Dichlorobromomethane	83	6.545	6.547	-0.002	97	23537	5.00	5.45	
74 2-Chloroethyl vinyl ether	63	6.927	6.935	-0.008	71	10294	5.00	5.08	
75 2-Nitropropane	41	6.939	6.935	0.004	82	9286	10.0	9.91	
76 Epichlorohydrin	57	7.057	7.052	0.005	99	30717	100.0	108.3	
77 cis-1,3-Dichloropropene	75	7.115	7.111	0.004	92	29362	5.00	5.53	
78 4-Methyl-2-pentanone (MIBK	43	7.303	7.293	0.010	96	70699	25.0	27.7	
$ 79 Toluene-d8 (Surr)	98	7.380	7.381	-0.001	99	642735	50.0	49.9	
80 Toluene	91	7.468	7.469	-0.001	98	70254	5.00	5.33	
81 trans-1,3-Dichloropropene	75	7.862	7.857	0.005	96	26015	5.00	5.39	
82 Ethyl methacrylate	69	7.891	7.886	0.005	86	20475	5.00	5.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	8.091	8.098	-0.007	94	12793	5.00	5.18	
84 Tetrachloroethene	166	8.138	8.127	0.011	94	13600	5.00	4.87	
85 1,3-Dichloropropane	76	8.332	8.321	0.011	95	24342	5.00	5.25	
86 2-Hexanone	58	8.396	8.392	0.004	96	27414	25.0	25.5	
87 n-Butyl acetate	43	8.514	8.509	0.005	98	21739	5.00	4.89	
88 Chlorodibromomethane	129	8.572	8.574	-0.002	97	17030	5.00	5.12	
89 Ethylene Dibromide	107	8.743	8.744	-0.001	97	15039	5.00	5.16	
* 90 Chlorobenzene-d5	117	9.313	9.314	-0.001	87	496656	50.0	50.0	
91 Chlorobenzene	112	9.348	9.349	-0.001	94	46225	5.00	5.37	
92 Ethylbenzene	106	9.442	9.438	0.004	99	23357	5.00	5.51	
93 1,1,1,2-Tetrachloroethane	131	9.454	9.455	-0.001	94	16842	5.00	5.45	
94 m-Xylene & p-Xylene	106	9.577	9.579	-0.001	96	28991	5.00	5.34	
95 n-Butyl acrylate	73	9.971	9.966	0.005	96	12855	5.00	5.11	
96 o-Xylene	106	9.994	9.996	-0.002	92	29178	5.00	5.41	
97 Styrene	104	10.024	10.019	0.005	94	52060	5.00	5.36	
98 Amyl acetate (mixed isomer	43	10.182	10.184	-0.002	90	29014	5.00	5.43	
99 Bromoform	173	10.218	10.225	-0.007	96	11555	5.00	5.08	
100 Isopropylbenzene	105	10.323	10.325	-0.002	96	59460	5.00	5.25	
$ 101 4-Bromofluorobenzene	174	10.505	10.501	0.004	88	198109	50.0	48.2	
102 Bromobenzene	156	10.623	10.624	-0.001	98	19332	5.00	5.20	
103 1,1,2,2-Tetrachloroethane	83	10.652	10.654	-0.002	98	20032	5.00	5.58	
104 N-Propylbenzene	91	10.676	10.671	0.005	99	68288	5.00	5.37	
105 1,2,3-Trichloropropane	110	10.699	10.695	0.004	97	5974	5.00	5.56	
106 trans-1,4-Dichloro-2-buten	53	10.711	10.707	0.004	91	5299	5.00	4.78	
107 4-Ethyltoluene	105	10.770	10.765	0.005	87	60283	5.00	5.24	
108 2-Chlorotoluene	91	10.770	10.765	0.005	96	57466	5.00	5.65	
109 1,3,5-Trimethylbenzene	105	10.823	10.818	0.005	94	53902	5.00	5.40	
110 4-Chlorotoluene	91	10.864	10.859	0.005	97	53054	5.00	5.40	
111 Butyl Methacrylate	87	10.887	10.889	-0.002	92	23592	5.00	5.20	
112 tert-Butylbenzene	119	11.058	11.059	-0.001	93	37347	5.00	5.11	
113 1,2,4-Trimethylbenzene	105	11.105	11.106	-0.001	97	58111	5.00	5.46	
114 sec-Butylbenzene	105	11.216	11.218	-0.002	99	46409	5.00	4.90	
115 4-Isopropyltoluene	119	11.316	11.318	-0.002	98	46233	5.00	5.17	
116 1,3-Dichlorobenzene	146	11.328	11.329	-0.001	94	33558	5.00	5.29	
* 117 1,4-Dichlorobenzene-d4	152	11.375	11.382	-0.007	95	284891	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.393	11.394	-0.001	95	34587	5.00	5.33	
119 Benzyl chloride	91	11.493	11.500	-0.007	98	38440	5.00	5.31	
120 2,3-Dihydroindene	117	11.540	11.547	-0.007	94	67354	5.00	5.44	
121 p-Diethylbenzene	119	11.569	11.576	-0.007	95	29530	5.00	5.36	
122 n-Butylbenzene	91	11.587	11.594	-0.007	98	44974	5.00	4.99	
123 1,2-Dichlorobenzene	146	11.645	11.653	-0.008	94	34137	5.00	5.34	
124 1,2,4,5-Tetramethylbenzene	119	12.086	12.093	-0.007	98	47211	5.00	5.21	
125 1,2-Dibromo-3-Chloropropan	155	12.180	12.187	-0.007	94	3169	5.00	5.02	
126 1,3,5-Trichlorobenzene	180	12.274	12.281	-0.007	97	18603	5.00	5.19	
127 1,2,4-Trichlorobenzene	180	12.732	12.740	-0.008	95	16034	5.00	4.92	
128 Hexachlorobutadiene	225	12.797	12.804	-0.007	95	7747	5.00	6.02	
129 Naphthalene	128	12.932	12.945	-0.013	99	40791	5.00	4.99	
130 1,2,3-Trichlorobenzene	180	13.120	13.127	-0.007	95	13546	5.00	5.08	
S 131 1,2-Dichloroethene, Total	100				0		10.0	10.4	
S 132 Xylenes, Total	100				0		10.0	10.8	
S 133 Total BTEX	1				0		25.0	27.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
MIX 2 Hi_00046	Amount Added:	1.00	Units: uL	
MIX I Hi_00061	Amount Added:	1.00	Units: uL	
GAS Hi_00160	Amount Added:	1.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 12-Aug-2016 15:35:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Injection Date: 11-Aug-2016 03:05:30 Instrument ID: CVOAMS8 Operator ID:

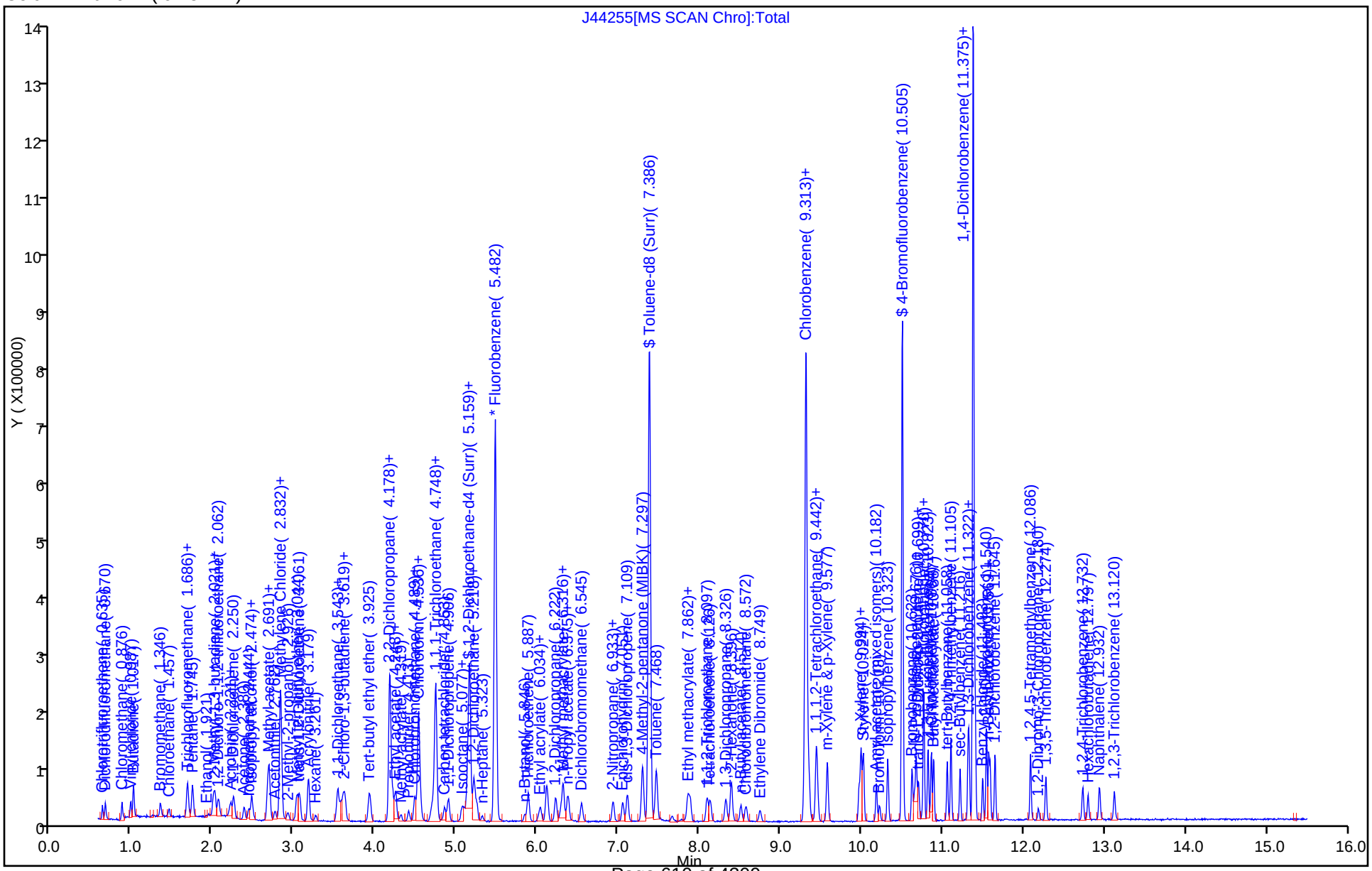
Lims ID: STD5 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

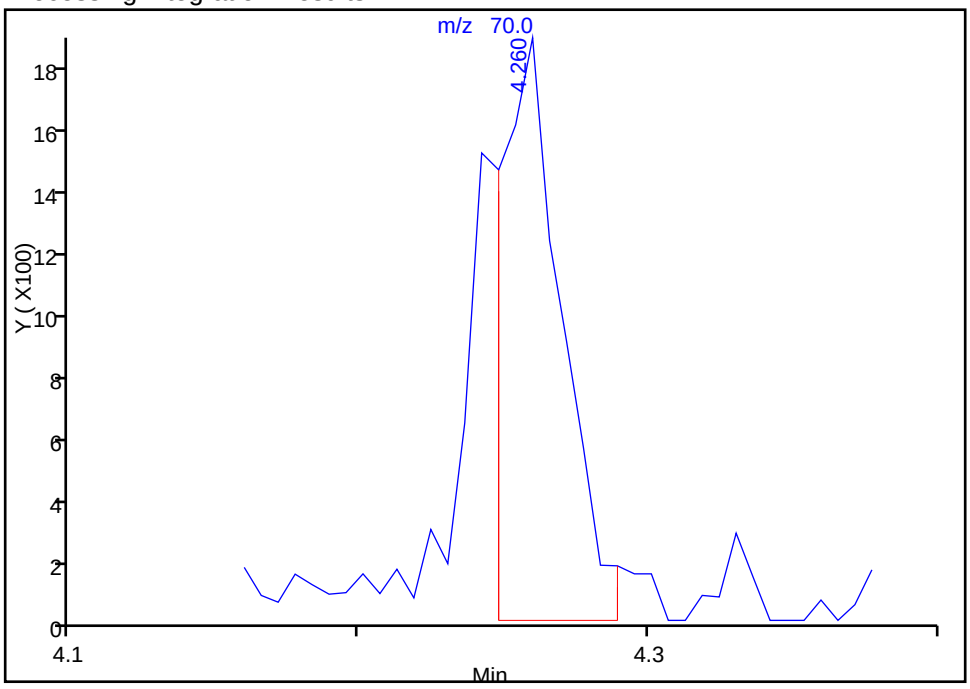
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D
Injection Date: 11-Aug-2016 03:05:30 Instrument ID: CVOAMS8
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

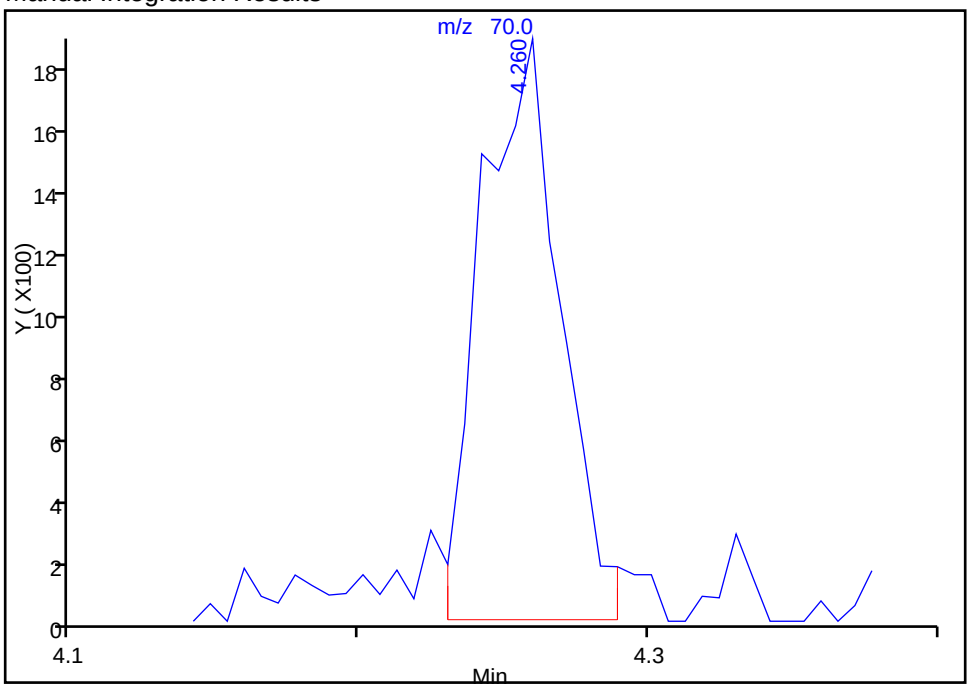
Processing Integration Results

RT: 4.26
Area: 2826
Amount: 9.082273
Amount Units: ug/l



Manual Integration Results

RT: 4.26
Area: 3632
Amount: 10.303953
Amount Units: ug/l



Reviewer: delpolitov, 11-Aug-2016 23:01:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

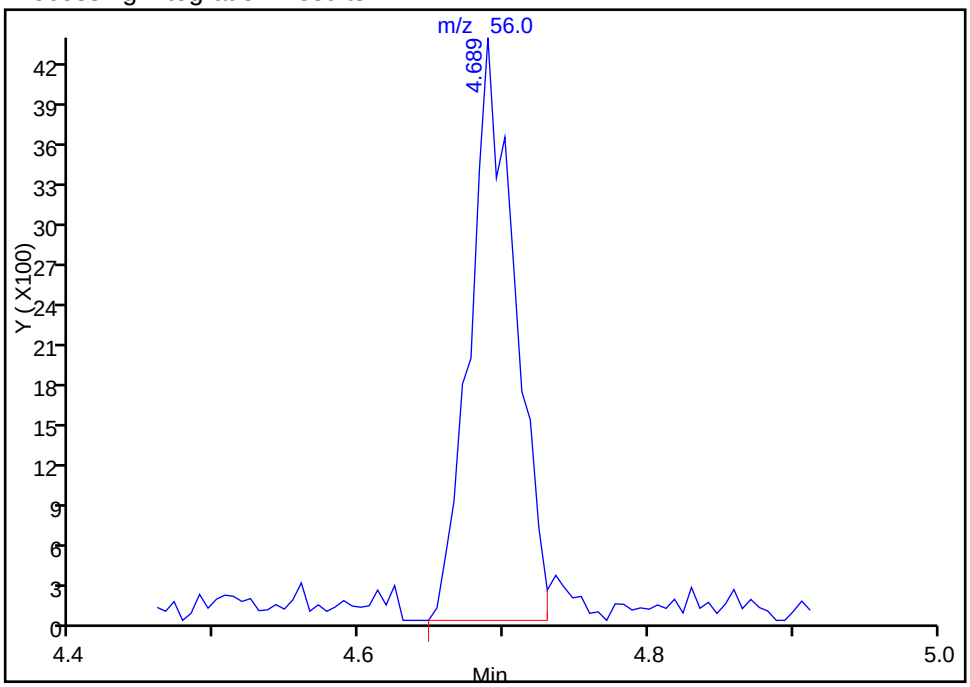
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D
Injection Date: 11-Aug-2016 03:05:30 Instrument ID: CVOAMS8
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

49 Cyclohexane, CAS: 110-82-7

Signal: 1

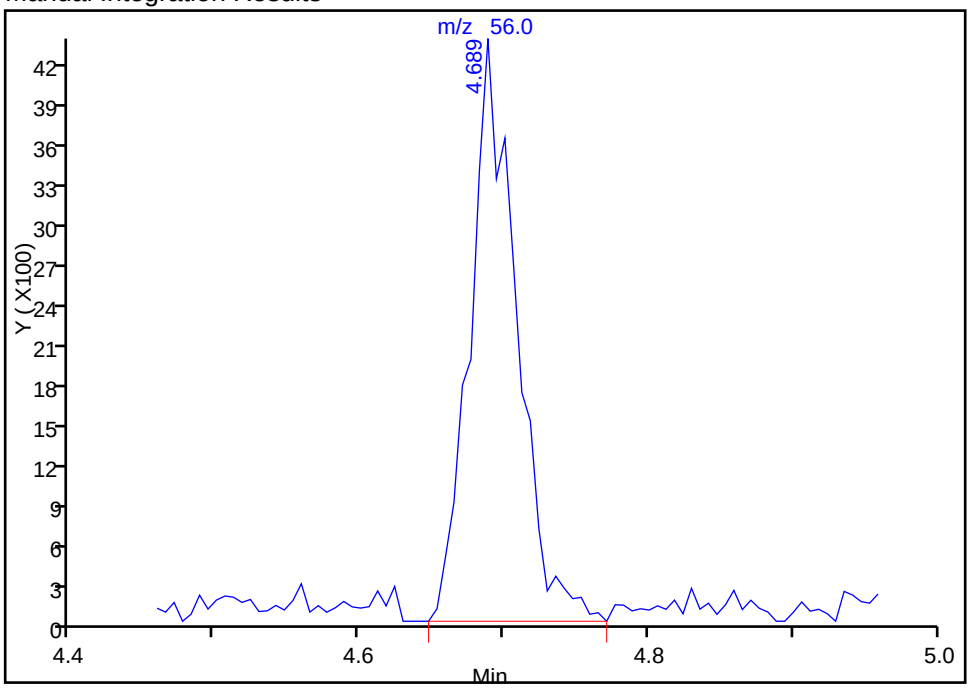
Processing Integration Results

RT: 4.69
Area: 9463
Amount: 2.422454
Amount Units: ug/l



Manual Integration Results

RT: 4.69
Area: 9835
Amount: 2.515785
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:10:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

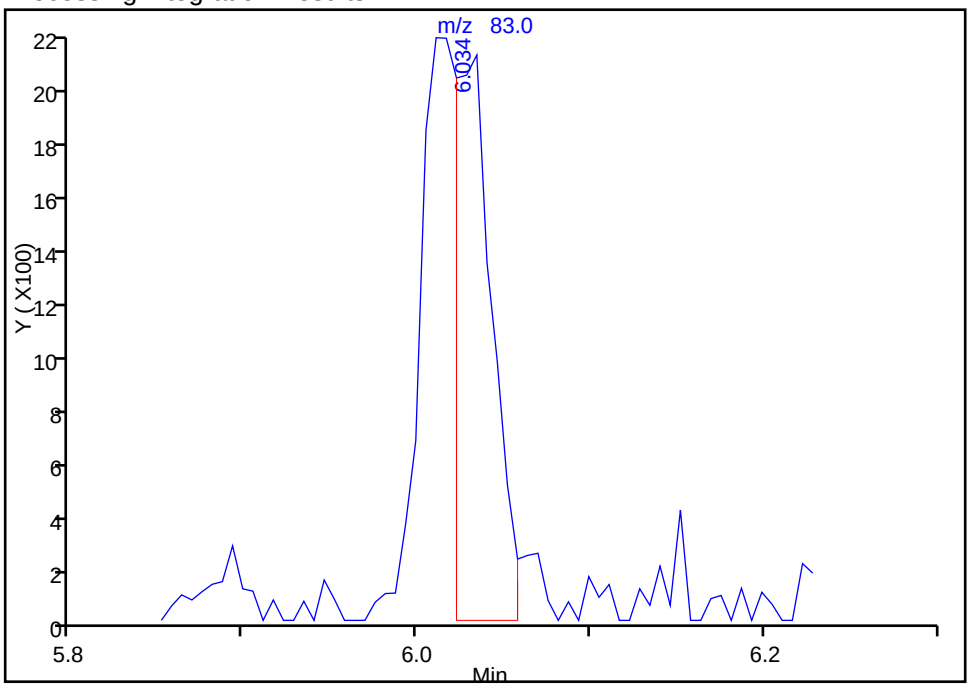
Data File:	\\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D				
Injection Date:	11-Aug-2016 03:05:30	Instrument ID:	CVOAMS8		
Lims ID:	STD5				
Client ID:					
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

66 Methylcyclohexane, CAS: 108-87-2

Signal: 1

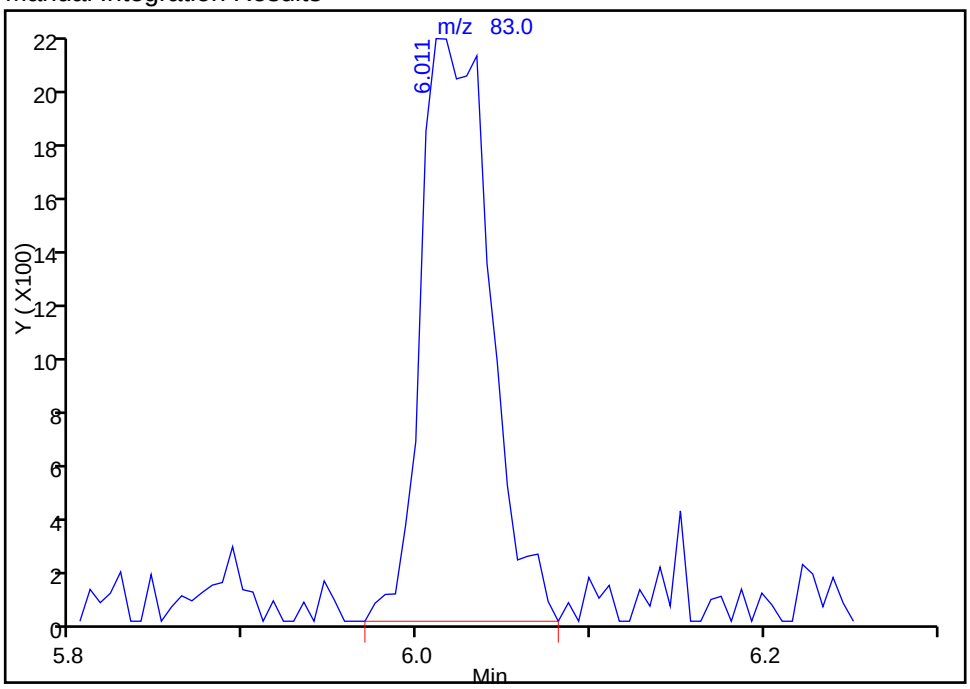
Processing Integration Results

RT: 6.03
Area: 3279
Amount: 1.119321
Amount Units: ug/l



Manual Integration Results

RT: 6.01
Area: 6140
Amount: 2.093391
Amount Units: ug/l



Reviewer: delpolitov, 12-Aug-2016 09:12:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-381235/3	K56080.D
Level 2	STD5 460-381235/4	K56081.D
Level 3	STD20 460-381235/5	K56082.D
Level 4	STD50 460-381235/6	K56083.D
Level 5	STD200 460-381235/7	K56084.D
Level 6	STD500 460-381235/8	K56085.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.1377 0.1083	0.0962	0.1025	0.1054	0.1023	Ave		0.1087				13.6		20.0			
Dichlorodifluoromethane	0.5612 0.7229	0.4956	0.5995	0.5780	0.6906	Ave		0.6080			0.1000	13.9		20.0			
Chloromethane	0.6639 0.7891	0.5872	0.6205	0.6073	0.7443	Ave		0.6687			0.1000	12.1		20.0			
Butadiene	0.4823 0.5889	0.3835	0.4282	0.4335	0.5323	Ave		0.4748				15.9		20.0			
Vinyl chloride	0.7268 0.8288	0.5925	0.6619	0.6573	0.7621	Ave		0.7049			0.1000	12.0		20.0			
Bromomethane	0.4340 +++++	0.4487	0.5186	0.5690	0.6281	Ave		0.5197			0.1000	15.7		20.0			
Chloroethane	0.3256 0.4268	0.2973	0.3523	0.3792	0.4239	Ave		0.3675			0.1000	14.3		20.0			
Dichlorofluoromethane	0.9369 0.9785	0.7530	0.8928	0.8583	0.9384	Ave		0.8930				9.0		20.0			
Trichlorofluoromethane	1.0107 0.8533	0.6941	0.7071	0.7200	0.8031	Ave		0.7980			0.1000	15.2		20.0			
Pentane	0.0760 0.0687	0.0522	0.0580	0.0572	0.0660	Ave		0.0630				14.0		20.0			
Ethyl ether	0.3015 0.2555	0.2476	0.2419	0.2417	0.2337	Ave		0.2536				9.7		20.0			
Ethanol	0.0434 0.0487	0.0450	0.0601	0.0568	0.0624	Ave		0.0527				15.4		20.0			
2-Methyl-1,3-butadiene	0.3452 0.3532	0.2554	0.3096	0.3077	0.3402	Ave		0.3186				11.4		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	0.2678 0.3318	0.2441	0.3091	0.3033	0.2963	Ave		0.2920				10.7		20.0			
Acrolein	1.7133 1.5611	1.7759	1.7813	1.7148	1.6089	Ave		1.6926				5.3		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2-Trichloro-1,2,2-trifluoroethane	0.4196 0.4591	0.3305	0.4168	0.4136	0.4128	Ave		0.4087			0.1000	10.3		20.0			
1,1-Dichloroethene	0.3533 0.3672	0.2873	0.3172	0.3154	0.3175	Ave		0.3263			0.1000	8.9		20.0			
Acetone	1.2731 0.9538	0.9992	0.9361	0.9068	0.9097	Ave		0.9964			0.0500	14.0		20.0			
Iodomethane	0.5588 0.7092	0.5869	0.6333	0.6213	0.6214	Ave		0.6218				8.2		20.0			
Isopropyl alcohol	0.7849 0.7335	0.6447	0.8437	0.9958	1.0338	Ave		0.8394				18.0		20.0			
Carbon disulfide	1.2370 1.4361	1.1081	1.3047	1.2911	1.2943	Ave		1.2785			0.1000	8.3		20.0			
Allyl chloride	0.1959 0.2743	0.1954	0.2236	0.2070	0.2201	Ave		0.2194				13.4		20.0			
Methyl acetate	0.2387 0.2643	0.2273	0.2287	0.2348	0.2412	Ave		0.2392			0.1000	5.6		20.0			
Cyclopentene	0.7696 0.9320	0.6516	0.8294	0.8224	0.9030	Ave		0.8180				12.3		20.0			
Acetonitrile	1.7727 1.7862	2.0040	1.8202	1.8099	1.8664	Ave		1.8432				4.6		20.0			
Methylene Chloride	0.5819 0.3862	0.3965	0.3685	0.3646	0.3446	Lin2	0.2200	0.3602			0.1000				0.9980		0.9900
TBA	2.0591 1.4546	1.6784	1.4727	1.4658	1.4146	Ave		1.5909				15.6		20.0			
Methyl tert-butyl ether	1.0369 1.0193	0.9288	0.9511	0.9662	0.9248	Ave		0.9712			0.1000	4.8		20.0			
trans-1,2-Dichloroethene	0.3835 0.3379	0.2935	0.3185	0.3184	0.3087	Ave		0.3268			0.1000	9.6		20.0			
Acrylonitrile	0.1354 0.1257	0.1188	0.1166	0.1199	0.1155	Ave		0.1220				6.1		20.0			
Hexane	0.3820 0.3619	0.2555	0.3357	0.3464	0.3417	Ave		0.3372				12.9		20.0			
Isopropyl ether	1.3577 1.2511	1.1416	1.1816	1.1882	1.2547	Ave		1.2292				6.2		20.0			
1,1-Dichloroethane	0.6588 0.6985	0.5864	0.6403	0.6433	0.6224	Ave		0.6416			0.2000	5.8		20.0			
Vinyl acetate	0.7067 0.7771	0.5910	0.6489	0.6868	0.6771	Ave		0.6813				9.1		20.0			
2-Chloro-1,3-butadiene	0.2916 0.3099	0.2500	0.2910	0.2951	0.3136	Ave		0.2919				7.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tert-butyl ethyl ether	1.2317 1.1273	1.0002	1.0454	1.0605	1.1214	Ave		1.0977				7.4		20.0			
2,2-Dichloropropane	0.2984 0.2177	0.1721	0.1866	0.1885	0.1959	QuaF		0.1819	0.0000715						1.0000		0.9900
cis-1,2-Dichloroethene	0.4001 0.4058	0.3548	0.3687	0.3651	0.3608	Ave		0.3759			0.1000	5.7		20.0			
Ethyl acetate	0.5204 0.2993	0.2682	0.2408	0.2584	0.2836	QuaF		0.2701	0.0000294						1.0000		0.9900
2-Butanone (MEK)	0.4441 0.3409	0.3376	0.3273	0.3206	0.3184	Ave		0.3481			0.0500	13.7		20.0			
Methyl acrylate	0.3087 0.3000	0.2390	0.2450	0.2566	0.2863	Ave		0.2726				10.9		20.0			
Propionitrile	1.6747 1.4833	1.4965	1.4948	1.4941	1.5913	Ave		1.5391				5.0		20.0			
Chlorobromomethane	0.2062 0.2116	0.1829	0.1773	0.1784	0.1802	Ave		0.1894				8.1		20.0			
Tetrahydrofuran	0.5381 0.4302	0.4080	0.4108	0.3800	0.3890	Ave		0.4260				13.5		20.0			
Methacrylonitrile	0.1364 0.1676	0.1238	0.1257	0.1311	0.1473	Ave		0.1387				11.9		20.0			
Chloroform	0.6992 0.6958	0.5803	0.6148	0.6181	0.6165	Ave		0.6374			0.2000	7.6		20.0			
Cyclohexane	0.6638 0.7985	0.4917	0.6893	0.6923	0.7059	Ave		0.6736			0.1000	14.9		20.0			
1,1,1-Trichloroethane	0.5622 0.6739	0.4841	0.5398	0.5483	0.5746	Ave		0.5638			0.1000	11.1		20.0			
Carbon tetrachloride	0.3782 0.5328	0.3181	0.3631	0.3863	0.4259	Ave		0.4008			0.1000	18.4		20.0			
1,1-Dichloropropene	0.5145 0.4989	0.4155	0.4747	0.4765	0.4660	Ave		0.4743				7.1		20.0			
Isobutyl alcohol	0.2225 0.4631	0.2730	0.2680	0.2452	0.3962	QuaF		0.3335	0.0000104						0.9990		0.9900
Benzene	1.8505 1.7902	1.5862	1.7230	1.7666	1.7212	Ave		1.7396			0.5000	5.1		20.0			
Isopropyl acetate	1.2779 1.3035	1.1463	1.1291	1.2512	1.2987	Ave		1.2345				6.3		20.0			
Tert-amyl methyl ether	1.1435 1.1795	0.9918	1.0796	1.1149	1.2249	Ave		1.1224				7.3		20.0			
1,2-Dichloroethane	0.5527 0.5100	0.4545	0.4474	0.4730	0.4619	Ave		0.4833			0.1000	8.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Heptane	0.3223 0.3192	0.2416	0.3113	0.3177	0.3015	Ave		0.3023				10.1		20.0			
n-Butanol	0.2045 0.3341	0.1973	0.2082	0.2286	0.3304	QuaF		0.3113	0.0000019						0.9990		0.9900
Trichloroethene	0.3671 0.3799	0.3000	0.3309	0.3397	0.3444	Ave		0.3437			0.2000	8.2		20.0			
Ethyl acrylate	0.8535 1.1380	0.7268	0.8924	0.9450	0.9900	Ave		0.9243				14.9		20.0			
Methylcyclohexane	0.6002 0.7827	0.4863	0.6658	0.6777	0.6964	Ave		0.6515			0.1000	15.4		20.0			
1,2-Dichloropropane	0.3620 0.3803	0.3287	0.3445	0.3542	0.3511	Ave		0.3535			0.1000	4.9		20.0			
Methyl methacrylate	0.3406 0.3693	0.2804	0.3067	0.3199	0.3520	Ave		0.3282				9.9		20.0			
n-Propyl acetate	0.5523 0.5905	0.4397	0.4479	0.4989	0.5815	Ave		0.5185				12.8		20.0			
1,4-Dioxane	1.8197 1.8664	1.7683	1.6779	1.4400	2.0219	Ave		1.7657				11.1		20.0			
Dibromomethane	0.2599 0.2558	0.2171	0.2125	0.2243	0.2256	Ave		0.2325				8.7		20.0			
Dichlorobromomethane	0.4680 0.5036	0.3630	0.3768	0.4077	0.4346	Ave		0.4256			0.2000	12.7		20.0			
2-Chloroethyl vinyl ether	0.2312 0.2349	0.1833	0.1890	0.2024	0.2262	Ave		0.2112				10.7		20.0			
2-Nitropropane	0.0579 0.0586	0.0388	0.0407	0.0410	0.0491	Ave		0.0477				18.7		20.0			
Epichlorohydrin	0.2933 0.3009	0.2638	0.2722	0.2851	0.2803	Ave		0.2826				4.8		20.0			
cis-1,3-Dichloropropene	0.7266 0.7370	0.5894	0.6318	0.6756	0.6772	Ave		0.6729			0.2000	8.3		20.0			
4-Methyl-2-pentanone (MIBK)	3.6484 3.3663	3.2231	3.3293	3.4313	3.2264	Ave		3.3708			0.0500	4.7		20.0			
Toluene	2.2046 1.9131	1.7326	1.8252	1.8866	1.8219	Ave		1.8973			0.4000	8.6		20.0			
trans-1,3-Dichloropropene	0.6666 0.6632	0.5242	0.5468	0.5898	0.6003	Ave		0.5985			0.1000	9.8		20.0			
Ethyl methacrylate	0.4203 0.5450	0.4024	0.4366	0.4888	0.5019	Ave		0.4658				11.8		20.0			
1,1,2-Trichloroethane	0.4009 0.3298	0.2951	0.3089	0.3223	0.3115	Ave		0.3281			0.1000	11.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrachloroethene	0.4664 0.4712	0.4163	0.4226	0.4519	0.4433	Ave		0.4453			0.2000	5.0		20.0			
1,3-Dichloropropane	0.7264 0.6198	0.5746	0.5873	0.6153	0.5848	Ave		0.6180				9.1		20.0			
2-Hexanone	2.5063 2.2125	2.0375	2.1475	2.2157	2.0837	Ave		2.2005			0.0500	7.5		20.0			
n-Butyl acetate	0.7535 0.7230	0.5867	0.6025	0.6589	0.7513	Ave		0.6793				10.9		20.0			
Chlorodibromomethane	0.3798 0.4462	0.2661	0.2922	0.3343	0.3719	Ave		0.3484			0.1000	18.7		20.0			
Ethylene Dibromide	0.4163 0.3809	0.3462	0.3618	0.3752	0.3601	Ave		0.3734			0.1000	6.5		20.0			
Chlorobenzene	1.3965 1.2615	1.1100	1.1638	1.1999	1.1607	Ave		1.2154			0.5000	8.4		20.0			
Ethylbenzene	0.7479 0.7536	0.6149	0.6525	0.6742	0.6704	Ave		0.6856			0.1000	8.0		20.0			
1,1,1,2-Tetrachloroethane	0.4082 0.5480	0.3423	0.3639	0.4081	0.4548	Ave		0.4209				17.5		20.0			
m-Xylene & p-Xylene	0.9951 0.8683	0.7292	0.7831	0.8205	0.7991	Ave		0.8326			0.1000	11.0		20.0			
n-Butyl acrylate	0.3893 0.3545	0.2203	0.2437	0.2910	0.3419	QuaF		0.3252	0.0000593						1.0000		0.9900
o-Xylene	0.9573 0.9925	0.7751	0.8481	0.8930	0.8891	Ave		0.8925			0.3000	8.7		20.0			
Styrene	1.5402 1.5172	1.2094	1.3225	1.3734	1.3643	Ave		1.3878			0.3000	8.9		20.0			
Amyl acetate (mixed isomers)	1.2718 1.5392	1.0496	1.1214	1.3630	1.6005	Ave		1.3243				16.7		20.0			
Bromoform	0.2546 0.2874	0.1592	0.1651	0.1868	0.2269	QuaF		0.1846	0.0002056		0.1000				1.0000		0.9900
Isopropylbenzene	2.4258 2.4297	2.0043	2.3048	2.3814	2.4609	Ave		2.3345			0.1000	7.3		20.0			
Bromobenzene	1.1211 0.9749	0.8918	0.8540	0.9275	0.9083	Ave		0.9463				10.0		20.0			
1,1,2,2-Tetrachloroethane	1.1376 1.0360	0.9409	0.9451	1.0157	0.9902	Ave		1.0109			0.3000	7.2		20.0			
N-Propylbenzene	5.0658 4.2618	4.1516	4.6467	4.8964	4.9260	Ave		4.6581				8.1		20.0			
1,2,3-Trichloropropane	0.3067 0.2650	0.2348	0.2391	0.2589	0.2448	Ave		0.2582				10.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
trans-1,4-Dichloro-2-butene	0.3096 0.2977	0.2467	0.2467	0.2546	0.2597	Ave		0.2692				10.2		20.0			
4-Ethyltoluene	3.9123 3.9498	3.4257	3.6797	3.9667	4.4584	Ave		3.8987				8.8		20.0			
2-Chlorotoluene	3.3126 3.5987	2.7866	3.0278	3.2302	3.4287	Ave		3.2307				9.0		20.0			
1,3,5-Trimethylbenzene	3.3133 3.5016	2.9026	3.2105	3.4211	3.5274	Ave		3.3128				7.0		20.0			
4-Chlorotoluene	2.9204 2.8508	2.3056	2.5110	2.6424	2.6247	Ave		2.6425				8.5		20.0			
Butyl Methacrylate	0.8393 1.2340	0.6732	0.8076	1.0074	1.2111	QuaF		1.1597	0.0001509						1.0000		0.9900
tert-Butylbenzene	2.4642 3.1855	2.1260	2.4983	2.6969	2.9499	Ave		2.6535				14.2		20.0			
1,2,4-Trimethylbenzene	3.7910 3.5370	3.1144	3.3340	3.5789	3.7740	Ave		3.5216				7.4		20.0			
sec-Butylbenzene	4.1268 4.0339	3.6662	4.3009	4.6736	4.9222	Ave		4.2873				10.6		20.0			
4-Isopropyltoluene	3.8354 3.8458	3.2956	3.7027	4.0453	4.5536	Ave		3.8798				10.7		20.0			
1,3-Dichlorobenzene	2.1060 2.7298	1.6741	1.8185	1.9327	2.1268	Ave		2.0647			0.6000	17.8		20.0			
1,4-Dichlorobenzene	2.2103 2.4038	1.7998	1.8148	1.9134	1.9822	Ave		2.0207			0.5000	11.9		20.0			
Benzyl chloride	1.6460 2.0802	1.2663	1.3936	1.5973	2.0521	Ave		1.6726				20.0		20.0			
Indan	3.8697 3.5298	3.2508	3.5273	3.7947	4.2320	Ave		3.7007				9.2		20.0			
p-Diethylbenzene	2.2485 2.9326	1.9982	2.2257	2.4175	2.7927	Ave		2.4359				14.7		20.0			
n-Butylbenzene	4.7236 4.6889	4.2028	4.6508	4.9217	5.2776	Ave		4.7442				7.4		20.0			
1,2-Dichlorobenzene	2.2863 2.2387	1.7675	1.8854	1.9955	2.0276	Ave		2.0335			0.4000	9.8		20.0			
1,2,4,5-Tetramethylbenzene	3.9894 3.5271	3.3508	3.8754	4.1487	5.0297	Ave		3.9869				14.8		20.0			
1,2-Dibromo-3-Chloropropane	0.2221 0.2090	0.1594	0.1464	0.1657	0.1984	Ave		0.1835			0.0500	16.6		20.0			
1,3,5-Trichlorobenzene	1.8269 2.1644	1.4910	1.6635	1.7560	2.0984	Ave		1.8334				14.1		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trichlorobenzene	1.8348 1.8644	1.3736	1.5331	1.5984	1.6858	Ave		1.6484			0.2000	11.3		20.0			
Hexachlorobutadiene	0.8292 1.0111	0.6846	0.8028	0.8450	0.8255	Ave		0.8330				12.6		20.0			
Naphthalene	4.1221 3.1432	2.9703	3.2520	3.3712	3.4354	Ave		3.3823				11.8		20.0			
1,2,3-Trichlorobenzene	1.4682 1.3833	1.1978	1.3266	1.3360	1.3783	Ave		1.3484				6.6		20.0			
Dibromofluoromethane (Surr)	0.3560 0.3995	0.3577	0.3575	0.3293	0.3673	Ave		0.3612				6.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3932 0.5569	0.3983	0.3994	0.3722	0.4594	Ave		0.4299				16.0		20.0			
Toluene-d8 (Surr)	1.7491 1.6381	1.7022	1.7213	1.5727	1.6827	Ave		1.6777				3.8		20.0			
4-Bromofluorobenzene	0.5666 0.5347	0.5581	0.5505	0.4963	0.5436	Ave		0.5416				4.6		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-381235/3	K56080.D
Level 2	STD5 460-381235/4	K56081.D
Level 3	STD20 460-381235/5	K56082.D
Level 4	STD50 460-381235/6	K56083.D
Level 5	STD200 460-381235/7	K56084.D
Level 6	STD500 460-381235/8	K56085.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	1758 802145	6190	26846	69292	295995	1.00 500	5.00	20.0	50.0	200
Dichlorodifluoromethane	FB	Ave	7164 5354971	31874	157082	379929	1997336	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	8475 5845348	37768	162582	399185	2152714	1.00 500	5.00	20.0	50.0	200
Butadiene	FB	Ave	6157 4362348	24668	112200	284949	1539490	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	9277 6139259	38105	173412	432010	2203972	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	5540 +++++	28856	135872	374021	1816582	1.00 +++++	5.00	20.0	50.0	200
Chloroethane	FB	Ave	4156 3161312	19120	92296	249242	1225890	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	Ave	11960 7248606	48433	233927	564116	2714102	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	12901 6321009	44643	185275	473212	2322700	1.00 500	5.00	20.0	50.0	200
Pentane	FB	Ave	1941 1018192	6710	30368	75164	381650	2.00 1000	10.0	40.0	100	400
Ethyl ether	FB	Ave	3848 1892443	15922	63379	158892	676005	1.00 500	5.00	20.0	50.0	200
Ethanol	TBAd9	Ave	731 515320	3710	19785	48916	248533	40.0 20000	200	800	2000	8000
2-Methyl-1,3-butadiene	FB	Ave	4406 2616375	16428	81119	202226	984023	1.00 500	5.00	20.0	50.0	200
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	3418 2457950	15698	80979	199360	856792	1.00 500	5.00	20.0	50.0	200
Acrolein	TBAd9	Ave	72189 495741	146565	219926	295245	400528	100 600	200	300	400	500
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	5356 3400728	21256	109218	271824	1193759	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	4510 2719931	18475	83100	207311	918371	1.00 500	5.00	20.0	50.0	200
Acetone	BUT	Ave	9523 4606654	37558	141155	347365	1630943	5.00 2500	25.0	100	250	1000
Iodomethane	FB	Ave	7133 5253729	37750	165940	408392	1797245	1.00 500	5.00	20.0	50.0	200
Isopropyl alcohol	TBAd9	Ave	3307 1941132	13302	69444	214302	1029486	10.0 5000	50.0	200	500	2000
Carbon disulfide	FB	Ave	15790 10638581	71269	341831	848611	3743129	1.00 500	5.00	20.0	50.0	200
Allyl chloride	FB	Ave	2501 2031608	12569	58594	136045	636570	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	15238 9789434	73089	299609	771784	3488609	5.00 2500	25.0	100	250	1000
Cyclopentene	FB	Ave	9824 6903964	41909	217311	540533	2611528	1.00 500	5.00	20.0	50.0	200
Acetonitrile	TBAd9	Ave	7469 4726860	41347	149815	389513	1858588	10.0 5000	50.0	200	500	2000
Methylene Chloride	FB	Lin2	7428 2860919	25504	96548	239614	996621	1.00 500	5.00	20.0	50.0	200
TBA	TBAd9	Ave	8676 3849419	34629	121213	315459	1408666	10.0 5000	50.0	200	500	2000
Methyl tert-butyl ether	FB	Ave	13236 7550547	59738	249195	635035	2674765	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	4896 2503020	18874	83457	209270	892937	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	17285 9308633	76427	305446	788379	3339438	10.0 5000	50.0	200	500	2000
Hexane	FB	Ave	4876 2680535	16431	87968	227681	988249	1.00 500	5.00	20.0	50.0	200
Isopropyl ether	FB	Ave	17331 9268170	73425	309584	781011	3628688	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	8410 5173962	37718	167764	422840	1800123	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	18041 11512651	76024	340057	902861	3916277	2.00 1000	10.0	40.0	100	400
2-Chloro-1,3-butadiene	FB	Ave	3722 2295635	16081	76254	193959	906956	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	15722 8350391	64329	273897	697082	3243259	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	QuaF	3809 1612304	11066	48886	123876	566446	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,2-Dichloroethene	FB	Ave	5107 3005968	22818	96606	239954	1043527	1.00 500	5.00	20.0	50.0	200
Ethyl acetate	BUT	QuaF	1557 578292	4033	14523	39601	203413	2.00 1000	10.0	40.0	100	400
2-Butanone (MEK)	BUT	Ave	3322 1646657	12690	49348	122795	570920	5.00 2500	25.0	100	250	1000
Methyl acrylate	FB	Ave	3941 2222052	15373	64203	168658	827875	1.00 500	5.00	20.0	50.0	200
Propionitrile	TBAd9	Ave	7056 3925282	30875	123037	321561	1584663	10.0 5000	50.0	200	500	2000
Chlorobromomethane	FB	Ave	2632 1567524	11765	46451	117233	521026	1.00 500	5.00	20.0	50.0	200
Tetrahydrofuran	BUT	Ave	1610 831140	6134	24779	58226	278971	2.00 1000	10.0	40.0	100	400
Methacrylonitrile	FB	Ave	17416 12412751	79623	329453	861684	4259261	10.0 5000	50.0	200	500	2000
Chloroform	FB	Ave	8925 5154565	37320	161086	406258	1782976	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	8473 5914823	31627	180603	455033	2041436	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	7177 4991925	31133	141430	360419	1661723	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	4828 3947161	20459	95148	253903	1231888	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	6567 3695512	26721	124374	313216	1347851	1.00 500	5.00	20.0	50.0	200
Isobutyl alcohol	TBAd9	QuaF	2344 3063502	14083	55142	131941	986385	25.0 12500	125	500	1250	5000
Benzene	CBNZd5	Ave	17643 11172835	78898	345957	887141	3921053	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	16312 9656087	73728	295842	822394	3755869	1.00 500	5.00	20.0	50.0	200
Tert-amyl methyl ether	FB	Ave	14597 8737086	63791	282859	732827	3542552	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	7055 3778263	29229	117230	310904	1335975	1.00 500	5.00	20.0	50.0	200
n-Heptane	FB	Ave	4114 2364471	15538	81563	208807	872082	1.00 500	5.00	20.0	50.0	200
n-Butanol	TBAd9	QuaF	2154 2210133	10179	42843	122972	822542	25.0 12500	125	500	1250	5000
Trichloroethene	FB	Ave	4686 2814117	19292	86687	223265	996118	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethyl acrylate	FB	Ave	10895 8430042	46747	233824	621165	2863236	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	7662 5797886	31280	174440	445432	2014075	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	4621 2817435	21142	90258	232784	1015540	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	8696 5471917	36069	160715	420521	2036096	2.00 1000	10.0	40.0	100	400
n-Propyl acetate	FB	Ave	7050 4374600	28278	117345	327930	1681816	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	DXE	Ave	1251 548791	6096	23088	53333	243296	20.0 10000	100	400	1000	4000
Dibromomethane	FB	Ave	3318 1895064	13964	55677	147404	652508	1.00 500	5.00	20.0	50.0	200
Dichlorobromomethane	FB	Ave	5974 3730637	23346	98732	267989	1256867	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	2951 1740196	11788	49512	133005	654288	1.00 500	5.00	20.0	50.0	200
2-Nitropropane	FB	Ave	1477 868274	4991	21337	53841	284196	2.00 1000	10.0	40.0	100	400
Epichlorohydrin	BUT	Ave	8777 5813096	39657	164211	436926	2009834	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBNZ d5	Ave	6928 4599457	29319	126855	339261	1542784	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone (MIBK)	BUT	Ave	27290 16258890	121153	502028	1314432	5784501	5.00 2500	25.0	100	250	1000
Toluene	CBNZ d5	Ave	21019 11940242	86180	366479	947411	4150417	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBNZ d5	Ave	6356 4139157	26072	109797	296196	1367428	1.00 500	5.00	20.0	50.0	200
Ethyl methacrylate	CBNZ d5	Ave	4007 3401625	20014	87669	245467	1143240	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBNZ d5	Ave	3822 2058374	14676	62028	161866	709572	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBNZ d5	Ave	4447 2940791	20707	84860	226940	1009969	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBNZ d5	Ave	6926 3867989	28583	117932	308965	1332146	1.00 500	5.00	20.0	50.0	200
2-Hexanone	BUT	Ave	18747 10686159	76589	323824	848777	3735711	5.00 2500	25.0	100	250	1000
n-Butyl acetate	CBNZ d5	Ave	7184 4512445	29183	120975	330897	1711589	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorodibromomethane	CBNZ d5	Ave	3621 2784720	13237	58671	167864	847186	1.00 500	5.00	20.0	50.0	200
Ethylene Dibromide	CBNZ d5	Ave	3969 2377275	17219	72646	188409	820394	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBNZ d5	Ave	13315 7872921	55213	233672	602565	2644075	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBNZ d5	Ave	7131 4703115	30587	131024	338540	1527194	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3892 3420247	17024	73077	204946	1036141	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBNZ d5	Ave	9488 5419110	36272	157240	412033	1820350	1.00 500	5.00	20.0	50.0	200
n-Butyl acrylate	CBNZ d5	QuaF	3712 2212689	10958	48938	146131	778929	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBNZ d5	Ave	9127 6194384	38552	170288	448462	2025334	1.00 500	5.00	20.0	50.0	200
Styrene	CBNZ d5	Ave	14685 9468823	60158	265540	689683	3107855	1.00 500	5.00	20.0	50.0	200
Amyl acetate (mixed isomers)	DCBd 4	Ave	7563 6003607	31625	139231	413240	2200287	1.00 500	5.00	20.0	50.0	200
Bromoform	CBNZ d5	QuaF	2427 1793651	7920	33143	93790	516961	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBNZ d5	Ave	23128 15163958	99696	462781	1195883	5606082	1.00 500	5.00	20.0	50.0	200
Bromobenzene	DCBd 4	Ave	6667 3802708	26871	106026	281188	1248674	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6765 4040824	28349	117340	307927	1361272	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCBd 4	Ave	30125 16623446	125093	576902	1484480	6771923	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCBd 4	Ave	1824 1033744	7075	29681	78479	336482	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1841 1161178	7434	30628	77190	356976	1.00 500	5.00	20.0	50.0	200
4-Ethyltoluene	DCBd 4	Ave	23265 15406646	103219	456841	1202605	6129154	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCBd 4	Ave	19699 14036814	83962	375908	979338	4713529	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCBd 4	Ave	19703 13658217	87457	398595	1037215	4849329	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCBd 4	Ave	17367 11119904	69470	311747	801114	3608306	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Butyl Methacrylate	DCBd 4	QuaF	4991 4813332	20283	100260	305427	1664956	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCBd 4	Ave	14654 12425169	64059	310174	817649	4055409	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCBd 4	Ave	22544 13796470	93840	413932	1085050	5188308	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCBd 4	Ave	24541 15734440	110465	533973	1416946	6766831	1.00 500	5.00	20.0	50.0	200
4-Isopropyltoluene	DCBd 4	Ave	22808 15000855	99300	459706	1226459	6260086	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCBd 4	Ave	12524 10647674	50443	225778	585957	2923761	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCBd 4	Ave	13144 9376066	54229	225310	580096	2724972	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCBd 4	Ave	9788 8113943	38154	173020	484256	2821068	1.00 500	5.00	20.0	50.0	200
Indan	DCBd 4	Ave	23012 13768173	97949	437923	1150461	5817962	1.00 500	5.00	20.0	50.0	200
p-Diethylbenzene	DCBd 4	Ave	13371 11438677	60209	276324	732939	3839237	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCBd 4	Ave	28090 18289275	126636	577415	1492140	7255292	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCBd 4	Ave	13596 8732380	53256	234074	604982	2787476	1.00 500	5.00	20.0	50.0	200
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	23724 13757545	100962	481145	1257794	6914607	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1321 815069	4804	18175	50232	272685	1.00 500	5.00	20.0	50.0	200
1,3,5-Trichlorobenzene	DCBd 4	Ave	10864 8442580	44926	206533	532390	2884781	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCBd 4	Ave	10911 7272168	41388	190338	484610	2317557	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCBd 4	Ave	4931 3943748	20627	99668	256197	1134831	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCBd 4	Ave	24513 12260090	89497	403745	1022066	4722762	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCBd 4	Ave	8731 5395841	36092	164703	405041	1894854	1.00 500	5.00	20.0	50.0	200
Dibromofluoromethane (Surr)	FB	Ave	227236 295913	230040	234191	216445	265578	50.0 50.0	50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	250987 412523	256189	261605	244650	332146	50.0 50.0	50.0	50.0	50.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 381235

SDG No.:

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/26/2016 23:50 Calibration End Date: 07/27/2016 02:17 Calibration ID: 56904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBNZ d5	Ave	833817 1022358	846655	864051	789790	958304	50.0 50.0	50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	270120 333708	277623	276313	249243	309601	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Jul-2016 23:50:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0043755-003
Operator ID: Instrument ID: CVOAMS9
Sublist: chrom-8260S9*sub40

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Jul-2016 18:56:47 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: boykink Date: 27-Jul-2016 00:13:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.679	1.679	0.000	3	1758	1.00	1.27	
2 Dichlorodifluoromethane	85	1.691	1.691	0.000	69	7164	1.00	0.9231	M
3 Chloromethane	50	1.832	1.832	0.000	95	8475	1.00	0.99	
5 Butadiene	54	1.935	1.935	0.000	79	6157	1.00	1.02	
4 Vinyl chloride	62	1.947	1.947	0.000	78	9277	1.00	1.03	
6 Bromomethane	94	2.252	2.252	0.000	93	5540	1.00	0.8351	
7 Chloroethane	64	2.313	2.313	0.000	70	4156	1.00	0.8859	M
9 Dichlorofluoromethane	67	2.527	2.527	0.000	94	11960	1.00	1.05	
8 Trichlorofluoromethane	101	2.545	2.545	0.000	44	12901	1.00	1.27	
10 Pentane	72	2.563	2.563	0.000	87	1941	2.00	2.41	
11 Ethyl ether	59	2.752	2.752	0.000	95	3848	1.00	1.19	
12 Ethanol	46	2.764	2.764	0.000	75	731	40.0	32.9	M
13 2-Methyl-1,3-butadiene	53	2.789	2.789	0.000	94	4406	1.00	1.08	
14 1,2-Dichloro-1,1,2-trifluo	117	2.807	2.807	0.000	77	3418	1.00	0.9169	
15 Acrolein	56	2.941	2.941	0.000	96	72189	100.0	101.2	
16 1,1,2-Trichloro-1,2,2-trif	101	2.959	2.959	0.000	92	5356	1.00	1.03	
17 1,1-Dichloroethene	96	2.984	2.984	0.000	94	4510	1.00	1.08	
18 Acetone	43	3.063	3.063	0.000	64	9523	5.00	6.39	
19 Iodomethane	142	3.155	3.155	0.000	98	7133	1.00	0.8986	
22 Isopropyl alcohol	45	3.197	3.197	0.000	8	3307	10.0	9.35	M
20 Carbon disulfide	76	3.185	3.185	0.000	98	15790	1.00	0.9675	
21 3-Chloro-1-propene	76	3.307	3.307	0.000	70	2501	1.00	0.8931	
23 Methyl acetate	43	3.319	3.319	0.000	98	15238	5.00	4.99	
24 Cyclopentene	67	3.337	3.337	0.000	88	9824	1.00	0.9408	
29 Acetonitrile	41	3.392	3.392	0.000	19	7469	10.0	9.62	
* 25 TBA-d9 (IS)	65	3.441	3.441	0.000	100	421340	1000.0	1000.0	
26 Methylene Chloride	84	3.447	3.447	0.000	42	7428	1.00	1.00	
27 2-Methyl-2-propanol	59	3.508	3.508	0.000	1	8676	10.0	12.9	
28 Methyl tert-butyl ether	73	3.618	3.618	0.000	95	13236	1.00	1.07	
30 trans-1,2-Dichloroethene	96	3.642	3.642	0.000	97	4896	1.00	1.17	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.709	3.709	0.000	97	17285	10.0	11.1	
32 Hexane	43	3.801	3.801	0.000	91	4876	1.00	1.13	
33 Isopropyl ether	45	4.008	4.008	0.000	95	17331	1.00	1.10	
34 1,1-Dichloroethane	63	4.051	4.051	0.000	97	8410	1.00	1.03	
35 Vinyl acetate	43	4.057	4.057	0.000	99	18041	2.00	2.07	
36 2-Chloro-1,3-butadiene	88	4.099	4.099	0.000	90	3722	1.00	1.00	
37 Tert-butyl ethyl ether	59	4.331	4.331	0.000	86	15722	1.00	1.12	
* 38 2-Butanone-d5	46	4.545	4.545	0.000	98	373998	250.0	250.0	
39 2,2-Dichloropropane	79	4.569	4.569	0.000	49	3809	1.00	1.64	
40 cis-1,2-Dichloroethene	96	4.587	4.587	0.000	57	5107	1.00	1.06	
41 Ethyl acetate	70	4.605	4.605	0.000	87	1557	2.00	3.85	M
42 2-Butanone (MEK)	72	4.599	4.599	0.000	95	3322	5.00	6.38	
44 Methyl acrylate	55	4.654	4.654	0.000	56	3941	1.00	1.13	
43 Propionitrile	54	4.740	4.740	0.000	93	7056	10.0	10.9	
46 Chlorobromomethane	128	4.819	4.819	0.000	90	2632	1.00	1.09	
45 Tetrahydrofuran	72	4.825	4.825	0.000	73	1610	2.00	2.53	
47 Methacrylonitrile	67	4.849	4.849	0.000	93	17416	10.0	9.84	
48 Chloroform	83	4.874	4.874	0.000	85	8925	1.00	1.10	
49 Cyclohexane	56	5.020	5.020	0.000	94	8473	1.00	0.9854	
50 1,1,1-Trichloroethane	97	5.032	5.032	0.000	49	7177	1.00	1.00	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	227236	50.0	49.3	
52 Carbon tetrachloride	117	5.148	5.148	0.000	87	4828	1.00	0.9438	
53 1,1-Dichloropropene	75	5.179	5.179	0.000	93	6567	1.00	1.08	
56 Isobutyl alcohol	43	5.276	5.276	0.000	1	2344	25.0	16.7	
54 Benzene	78	5.380	5.380	0.000	42	17643	1.00	1.06	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	97	250987	50.0	45.7	
57 Isopropyl acetate	43	5.429	5.429	0.000	53	16312	1.00	1.04	
58 Tert-amyl methyl ether	73	5.441	5.441	0.000	89	14597	1.00	1.02	
59 1,2-Dichloroethane	62	5.471	5.471	0.000	92	7055	1.00	1.14	
60 n-Heptane	57	5.538	5.538	0.000	92	4114	1.00	1.07	
* 61 Fluorobenzene	96	5.672	5.672	0.000	98	638248	50.0	50.0	
62 n-Butanol	56	5.971	5.971	0.000	55	2154	25.0	16.4	
63 Trichloroethene	95	6.032	6.032	0.000	91	4686	1.00	1.07	
64 Ethyl acrylate	55	6.166	6.166	0.000	86	10895	1.00	0.9234	
65 Methylcyclohexane	83	6.178	6.178	0.000	85	7662	1.00	0.9213	
66 1,2-Dichloropropane	63	6.343	6.343	0.000	61	4621	1.00	1.02	
* 67 1,4-Dioxane-d8	96	6.392	6.392	0.000	96	34374	1000.0	1000.0	
68 Methyl methacrylate	41	6.386	6.386	0.000	91	8696	2.00	2.08	
69 1,4-Dioxane	88	6.459	6.459	0.000	22	1251	20.0	20.6	
70 n-Propyl acetate	43	6.441	6.441	0.000	97	7050	1.00	1.07	
71 Dibromomethane	93	6.465	6.465	0.000	56	3318	1.00	1.12	
72 Dichlorobromomethane	83	6.617	6.617	0.000	96	5974	1.00	1.10	
73 2-Chloroethyl vinyl ether	63	6.940	6.940	0.000	63	2951	1.00	1.09	
74 2-Nitropropane	41	6.965	6.965	0.000	69	1477	2.00	2.43	
75 Epichlorohydrin	57	7.056	7.056	0.000	98	8777	20.0	20.8	
76 cis-1,3-Dichloropropene	75	7.123	7.123	0.000	93	6928	1.00	1.08	
77 4-Methyl-2-pentanone (MIBK	43	7.282	7.282	0.000	98	27290	5.00	5.41	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	833817	50.0	52.1	
79 Toluene	91	7.453	7.453	0.000	92	21019	1.00	1.16	
80 trans-1,3-Dichloropropene	75	7.794	7.794	0.000	96	6356	1.00	1.11	
81 Ethyl methacrylate	69	7.812	7.812	0.000	89	4007	1.00	0.9022	
82 1,1,2-Trichloroethane	83	8.013	8.013	0.000	90	3822	1.00	1.22	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.074	8.074	0.000	91	4447	1.00	1.05	
84 1,3-Dichloropropane	76	8.239	8.239	0.000	95	6926	1.00	1.18	
85 2-Hexanone	43	8.288	8.288	0.000	99	18747	5.00	5.69	
86 n-Butyl acetate	43	8.391	8.391	0.000	94	7184	1.00	1.11	
87 Chlorodibromomethane	129	8.483	8.483	0.000	70	3621	1.00	1.09	
88 Ethylene Dibromide	107	8.635	8.635	0.000	95	3969	1.00	1.11	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	89	476715	50.0	50.0	
90 Chlorobenzene	112	9.214	9.214	0.000	93	13315	1.00	1.15	
92 Ethylbenzene	106	9.306	9.306	0.000	98	7131	1.00	1.09	
91 1,1,1,2-Tetrachloroethane	131	9.330	9.330	0.000	88	3892	1.00	0.9699	
93 m-Xylene & p-Xylene	106	9.452	9.452	0.000	98	9488	1.00	1.20	
94 n-Butyl acrylate	73	9.873	9.873	0.000	98	3712	1.00	1.20	
95 o-Xylene	106	9.915	9.915	0.000	91	9127	1.00	1.07	
96 Styrene	104	9.940	9.940	0.000	95	14685	1.00	1.11	
97 Amyl acetate (mixed isomer	43	10.123	10.123	0.000	86	7563	1.00	0.9604	
98 Bromoform	173	10.178	10.178	0.000	89	2427	1.00	1.38	
99 Isopropylbenzene	105	10.300	10.300	0.000	96	23128	1.00	1.04	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	90	270120	50.0	52.3	
101 Bromobenzene	156	10.653	10.653	0.000	95	6667	1.00	1.18	
102 1,1,2,2-Tetrachloroethane	83	10.684	10.684	0.000	98	6765	1.00	1.13	
103 N-Propylbenzene	91	10.714	10.714	0.000	98	30125	1.00	1.09	
104 1,2,3-Trichloropropane	110	10.738	10.738	0.000	93	1824	1.00	1.19	
105 trans-1,4-Dichloro-2-buten	53	10.757	10.757	0.000	72	1841	1.00	1.15	
106 2-Chlorotoluene	91	10.830	10.830	0.000	95	19699	1.00	1.03	
107 4-Ethyltoluene	105	10.830	10.830	0.000	95	23265	1.00	1.00	
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	93	19703	1.00	1.00	
109 4-Chlorotoluene	91	10.946	10.946	0.000	97	17367	1.00	1.11	
110 Butyl Methacrylate	87	10.982	10.982	0.000	95	4991	1.00	0.7236	
111 tert-Butylbenzene	119	11.196	11.196	0.000	92	14654	1.00	0.9287	
112 1,2,4-Trimethylbenzene	105	11.251	11.251	0.000	98	22544	1.00	1.08	
113 sec-Butylbenzene	105	11.391	11.391	0.000	99	24541	1.00	0.9626	
114 4-Isopropyltoluene	119	11.519	11.519	0.000	96	22808	1.00	0.9886	
115 1,3-Dichlorobenzene	146	11.537	11.537	0.000	94	12524	1.00	1.02	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	97	297335	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.622	11.622	0.000	91	13144	1.00	1.09	
118 Benzyl chloride	91	11.744	11.744	0.000	97	9788	1.00	0.9841	
119 2,3-Dihydroindene	117	11.811	11.811	0.000	92	23012	1.00	1.05	
120 p-Diethylbenzene	119	11.854	11.854	0.000	93	13371	1.00	0.9231	
121 n-Butylbenzene	91	11.878	11.878	0.000	98	28090	1.00	1.00	
122 1,2-Dichlorobenzene	146	11.946	11.946	0.000	95	13596	1.00	1.12	
123 1,2,4,5-Tetramethylbenzene	119	12.506	12.506	0.000	98	23724	1.00	1.00	
124 1,2-Dibromo-3-Chloropropan	75	12.610	12.610	0.000	83	1321	1.00	1.21	
125 1,3,5-Trichlorobenzene	180	12.726	12.726	0.000	95	10864	1.00	1.00	
126 1,2,4-Trichlorobenzene	180	13.220	13.220	0.000	93	10911	1.00	1.11	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	85	4931	1.00	1.00	
128 Naphthalene	128	13.415	13.415	0.000	99	24513	1.00	1.22	
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	93	8731	1.00	1.09	
S 130 1,2-Dichloroethene, Total	100				0		2.00	2.24	
S 131 Xylenes, Total	100				0		2.00	2.27	
S 132 Total BTEX	1				0		5.00	5.58	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00163	Amount Added:	1.00	Units: uL	
ACROLEIN W_00053	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00041	Amount Added:	1.00	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Jul-2016 18:56:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D

Injection Date: 26-Jul-2016 23:50:30 Instrument ID: CVOAMS9 Operator ID:

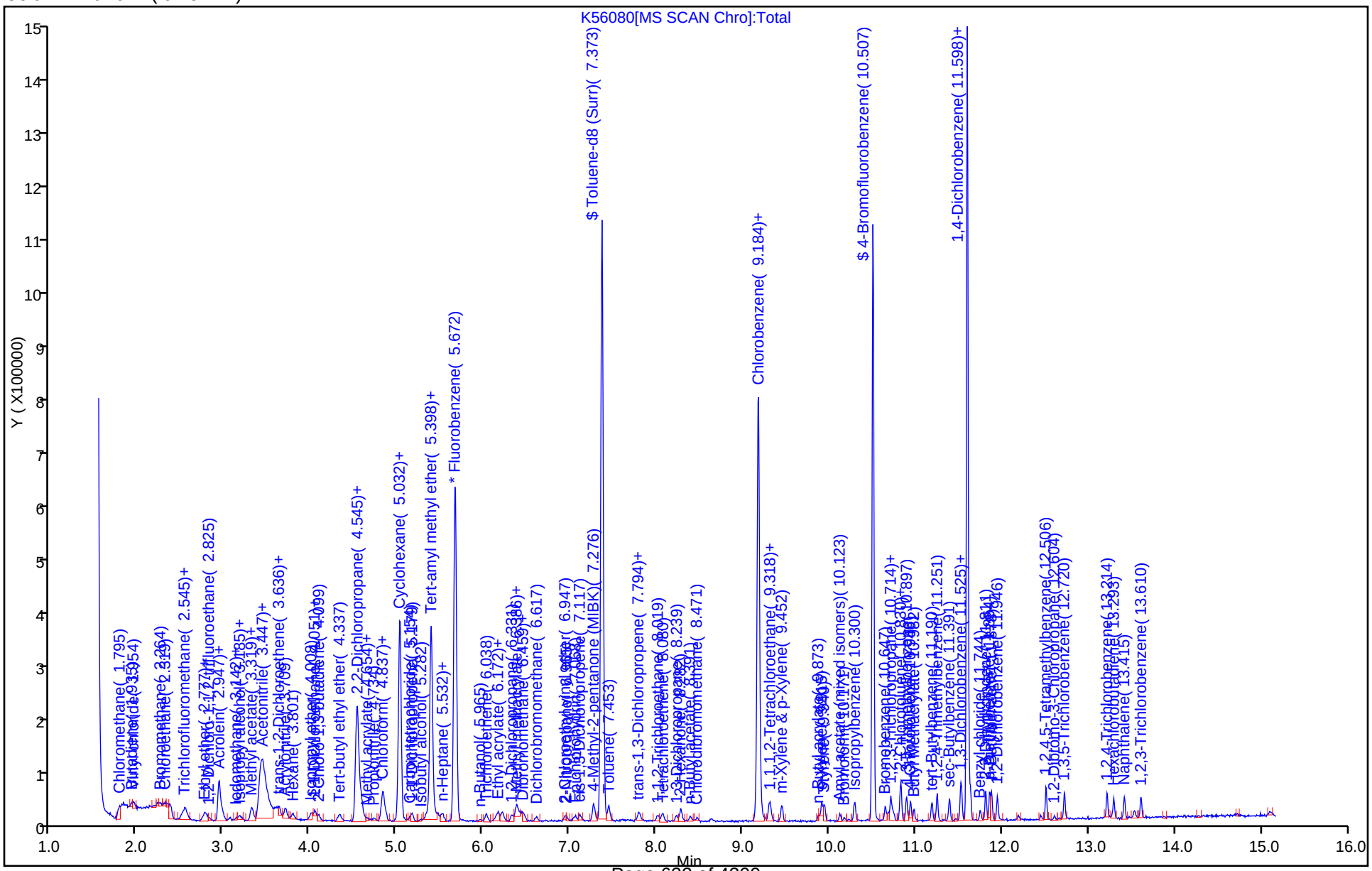
Lims ID: STD1 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260S9 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

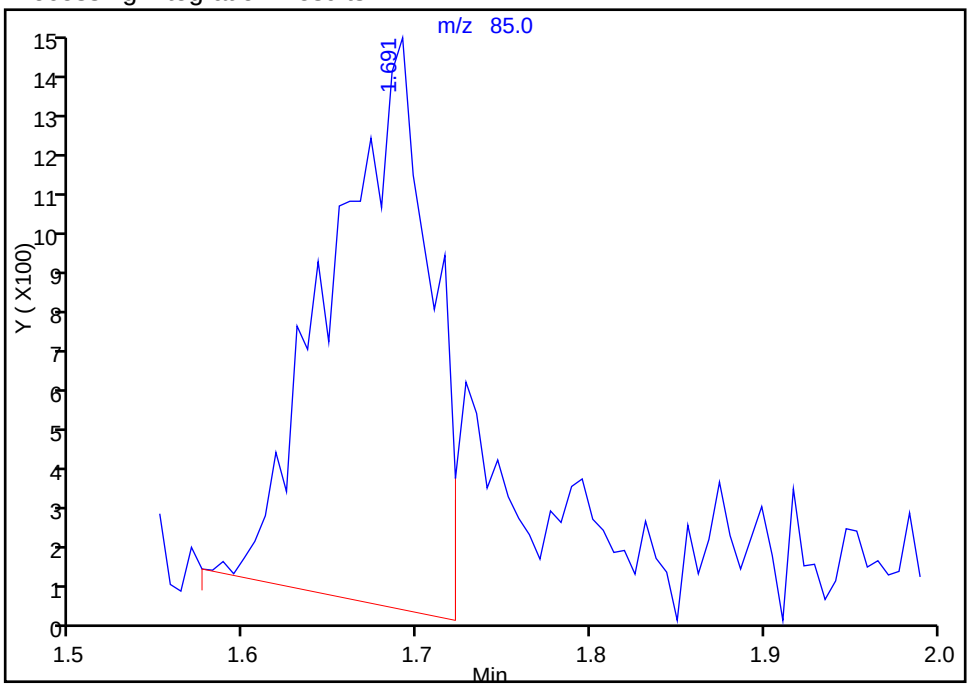
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D
Injection Date: 26-Jul-2016 23:50:30 Instrument ID: CVOAMS9
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

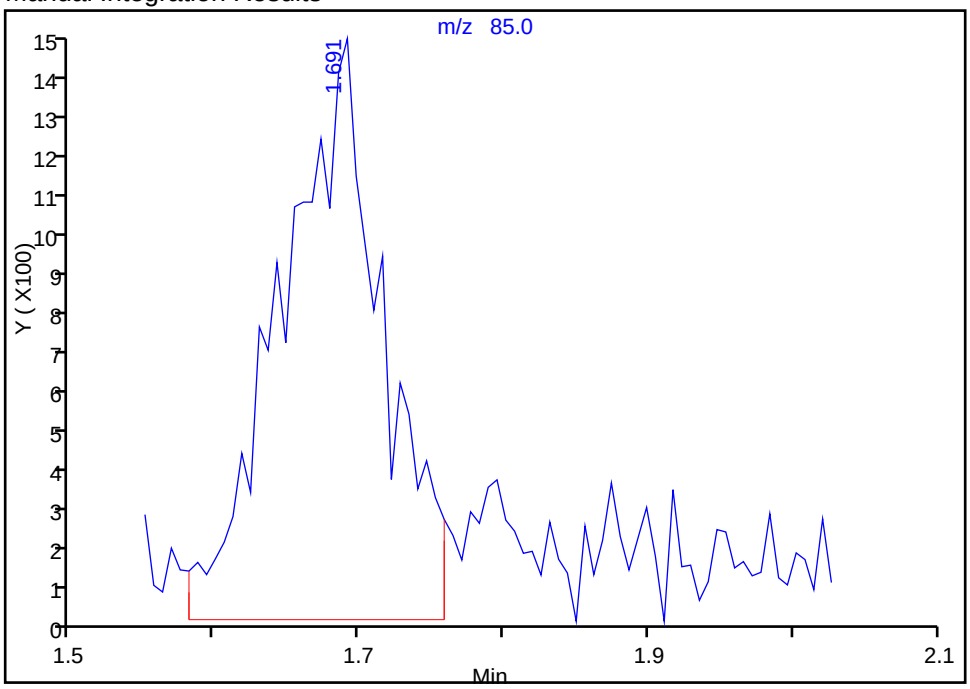
Processing Integration Results

RT: 1.69
Area: 5768
Amount: 0.755014
Amount Units: ug/l



Manual Integration Results

RT: 1.69
Area: 7164
Amount: 0.923099
Amount Units: ug/l



Reviewer: martineze, 27-Jul-2016 09:17:49
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

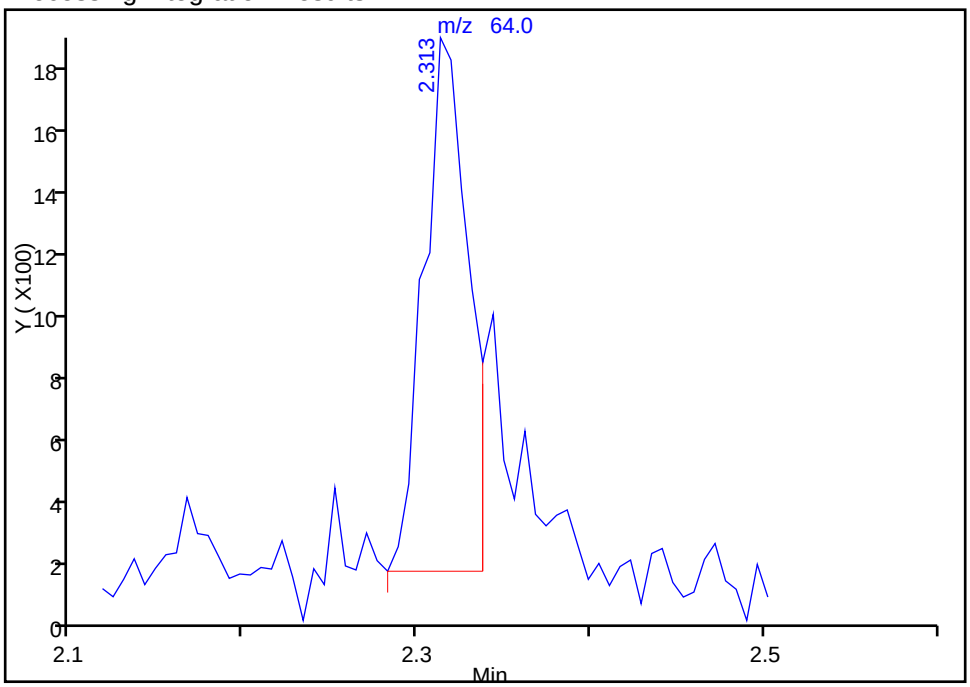
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D
Injection Date: 26-Jul-2016 23:50:30 Instrument ID: CVOAMS9
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

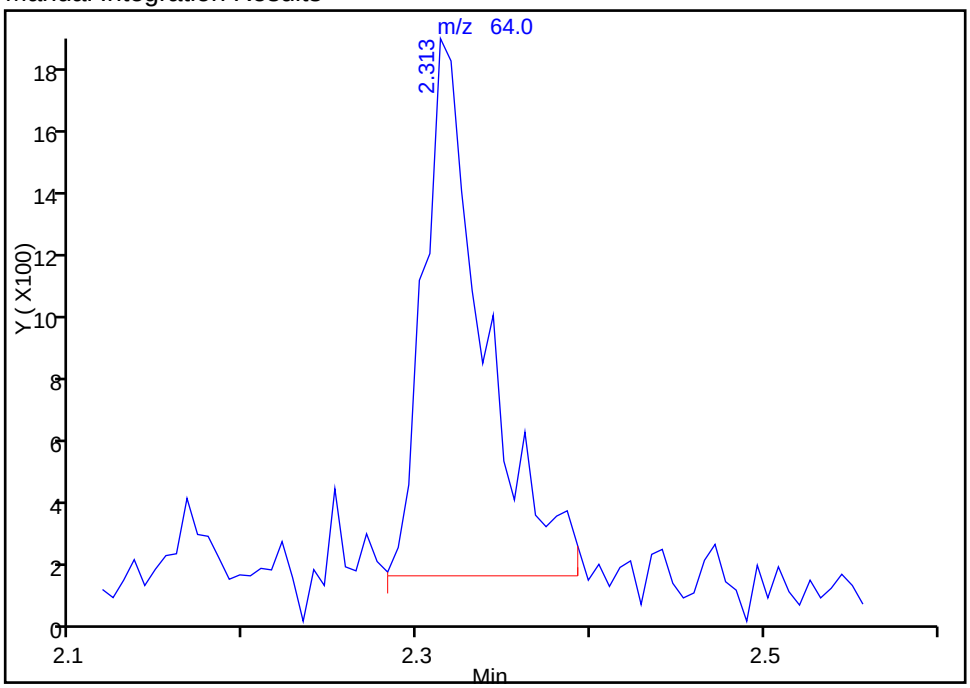
Processing Integration Results

RT: 2.31
Area: 3102
Amount: 0.586629
Amount Units: ug/l



Manual Integration Results

RT: 2.31
Area: 4156
Amount: 0.885947
Amount Units: ug/l



Reviewer: martineze, 27-Jul-2016 09:17:49
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

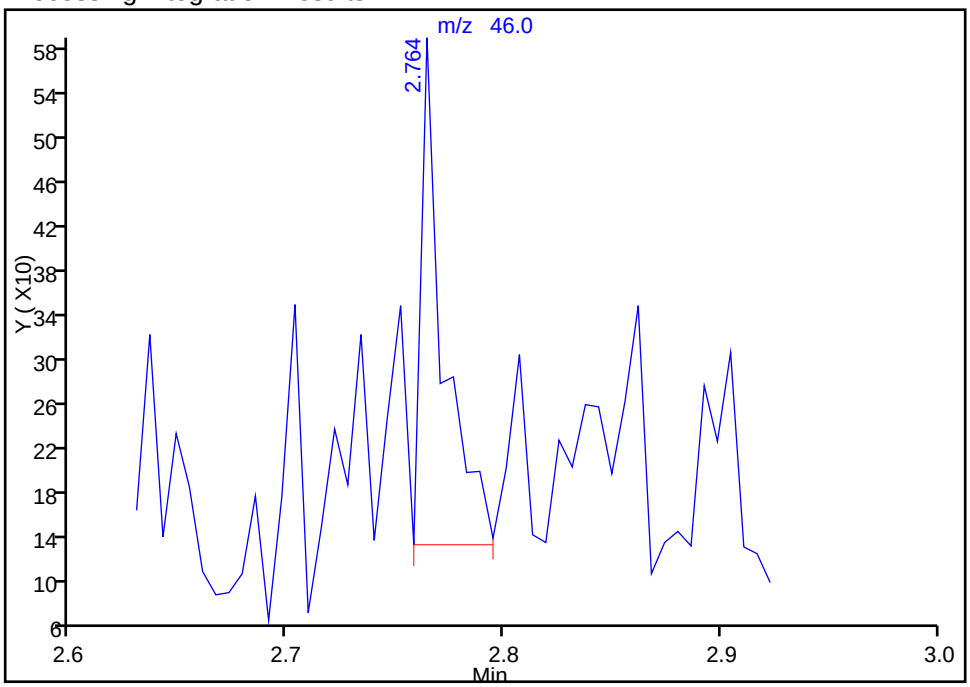
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D
Injection Date: 26-Jul-2016 23:50:30 Instrument ID: CVOAMS9
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Ethanol, CAS: 64-17-5

Signal: 1

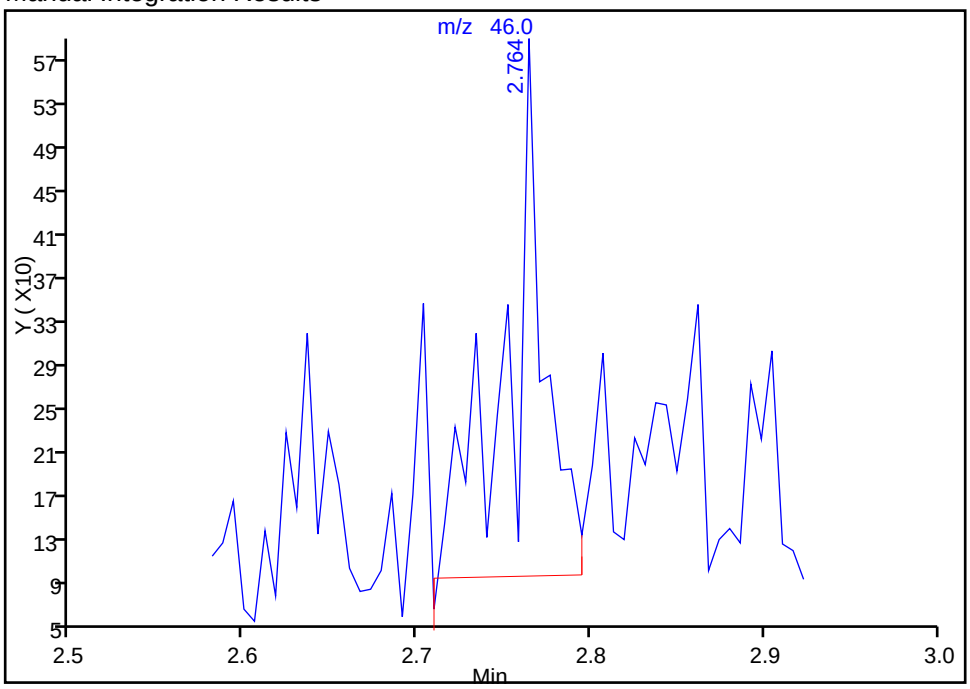
Processing Integration Results

RT: 2.76
Area: 325
Amount: 10.979136
Amount Units: ug/l



Manual Integration Results

RT: 2.76
Area: 731
Amount: 32.908359
Amount Units: ug/l



Reviewer: baronm, 27-Jul-2016 19:11:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

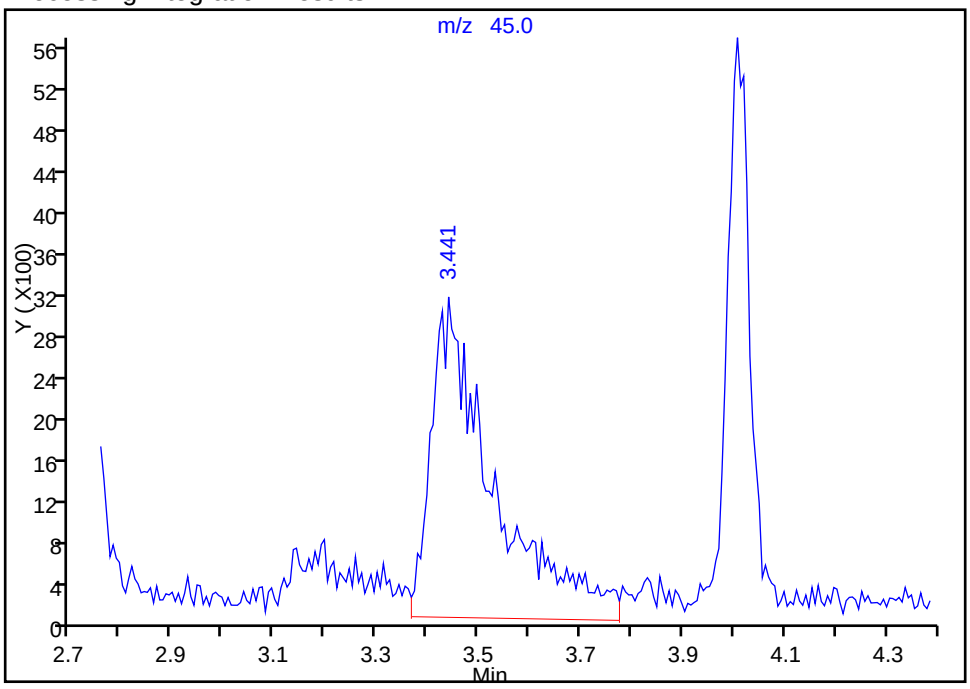
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D
Injection Date: 26-Jul-2016 23:50:30 Instrument ID: CVOAMS9
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

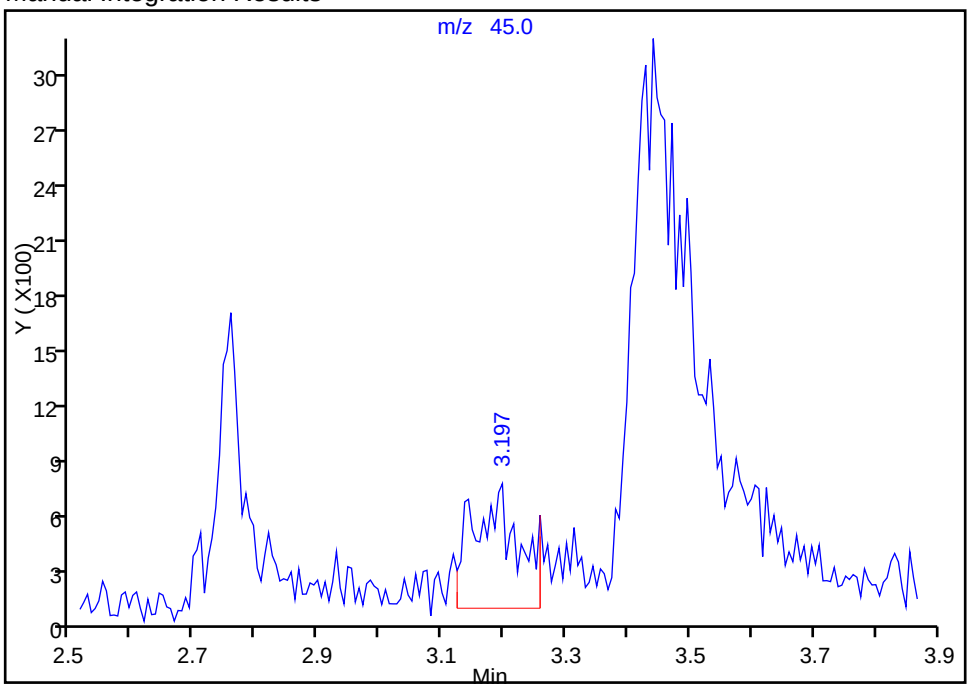
Processing Integration Results

RT: 3.44
Area: 25836
Amount: 51.308017
Amount Units: ug/l



Manual Integration Results

RT: 3.20
Area: 3307
Amount: 9.350427
Amount Units: ug/l



Reviewer: martineze, 27-Jul-2016 09:17:49
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

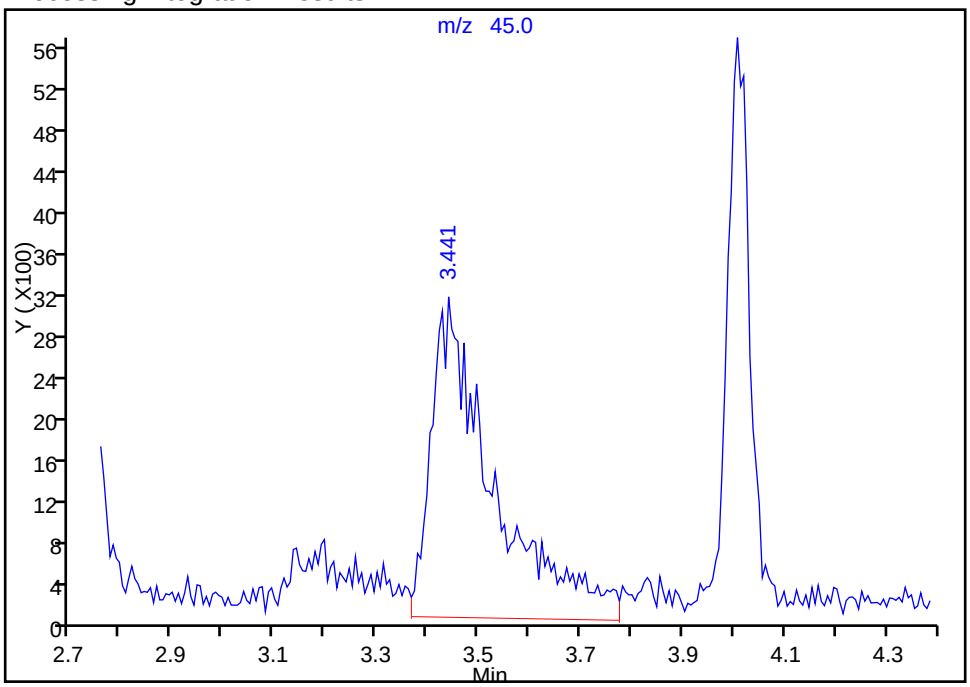
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D
Injection Date: 26-Jul-2016 23:50:30 Instrument ID: CVOAMS9
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

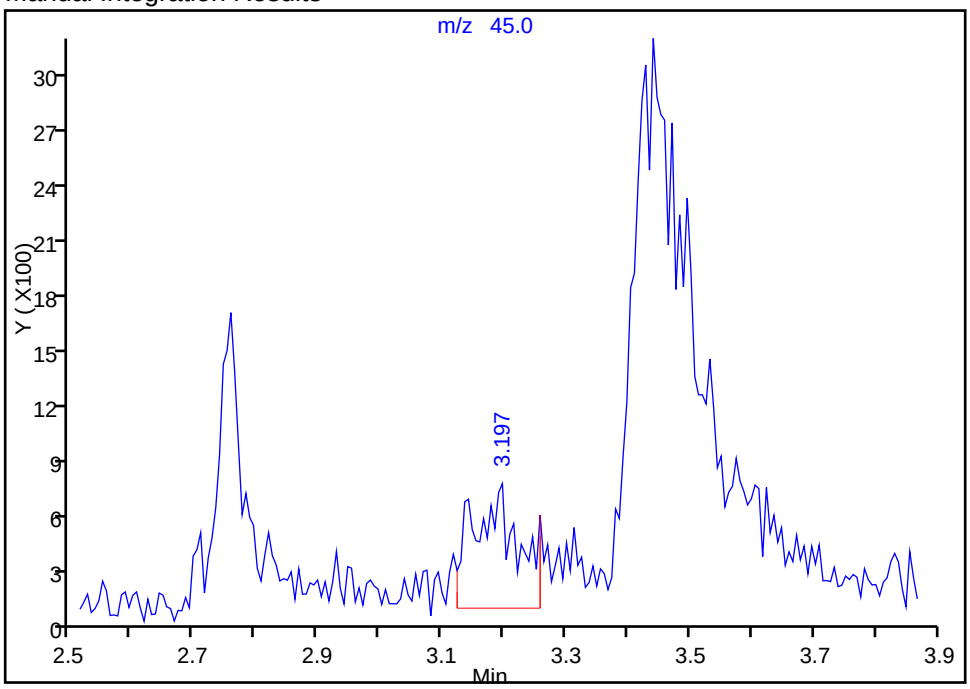
Processing Integration Results

RT: 3.44
Area: 25836
Amount: 51.308017
Amount Units: ug/l



Manual Integration Results

RT: 3.20
Area: 3307
Amount: 9.350427
Amount Units: ug/l



Reviewer: martineze, 27-Jul-2016 09:17:49
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

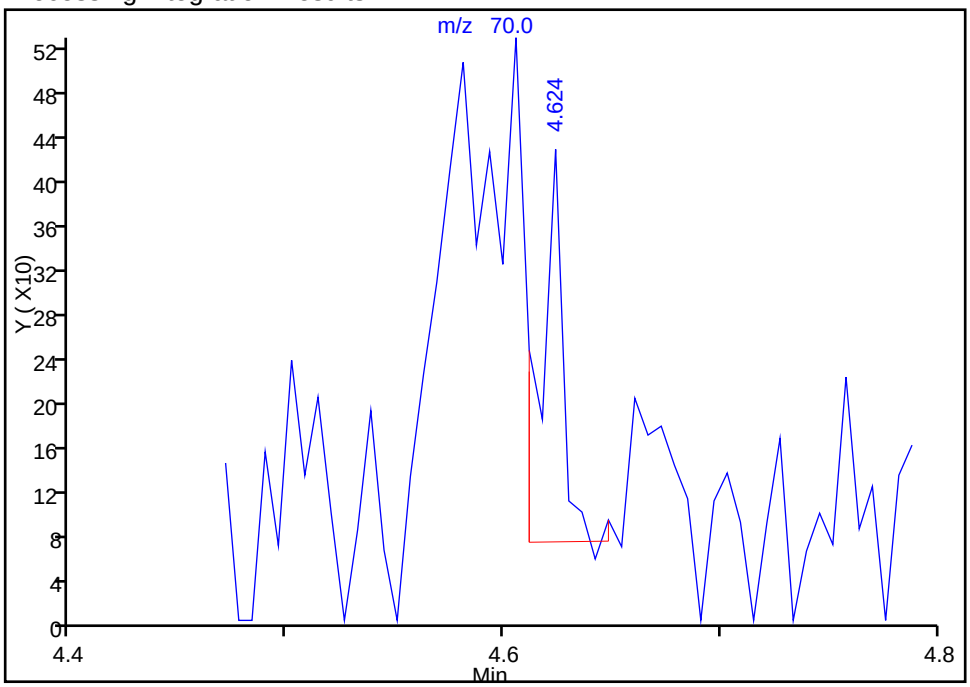
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D
Injection Date: 26-Jul-2016 23:50:30 Instrument ID: CVOAMS9
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

41 Ethyl acetate, CAS: 141-78-6

Signal: 1

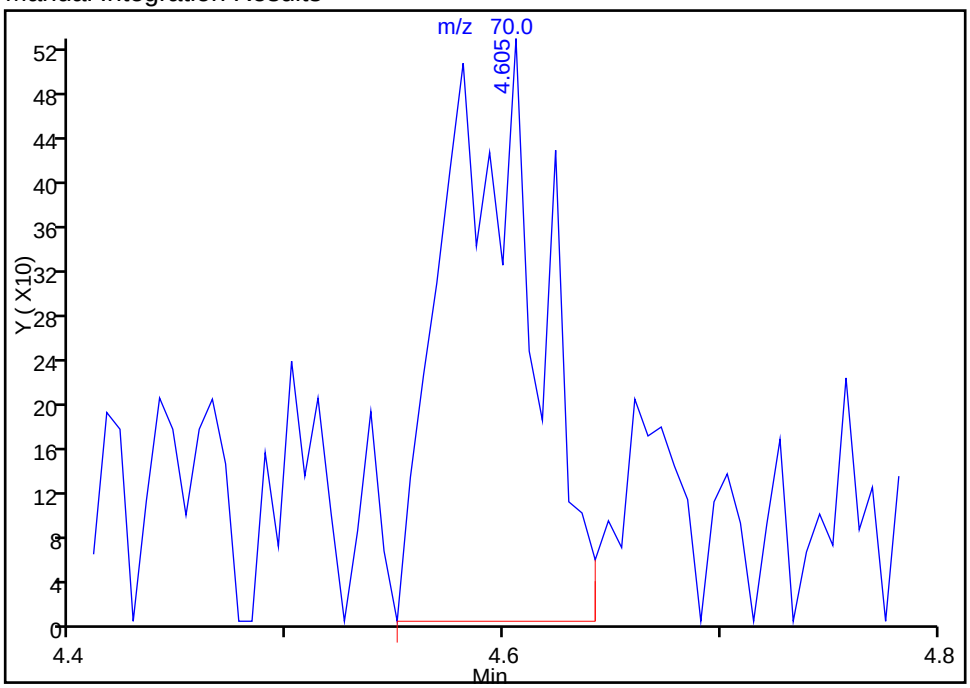
Processing Integration Results

RT: 4.62
Area: 256
Amount: 2.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.61
Area: 1557
Amount: 3.852411
Amount Units: ug/l



Reviewer: boykink, 27-Jul-2016 00:13:52
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

TestAmerica Edison

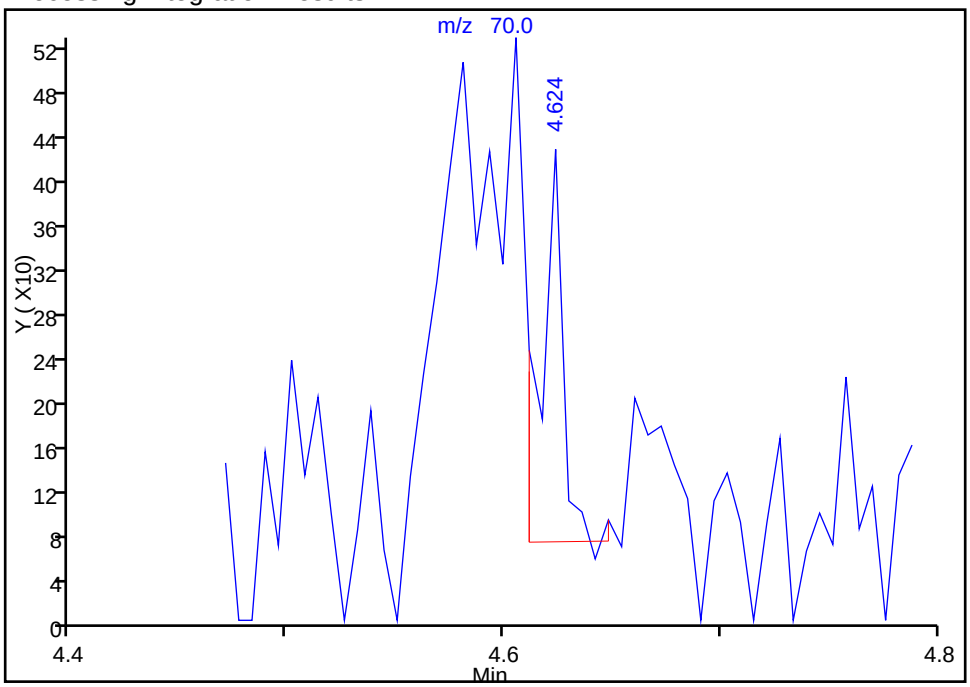
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56080.D
Injection Date: 26-Jul-2016 23:50:30 Instrument ID: CVOAMS9
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

41 Ethyl acetate, CAS: 141-78-6

Signal: 1

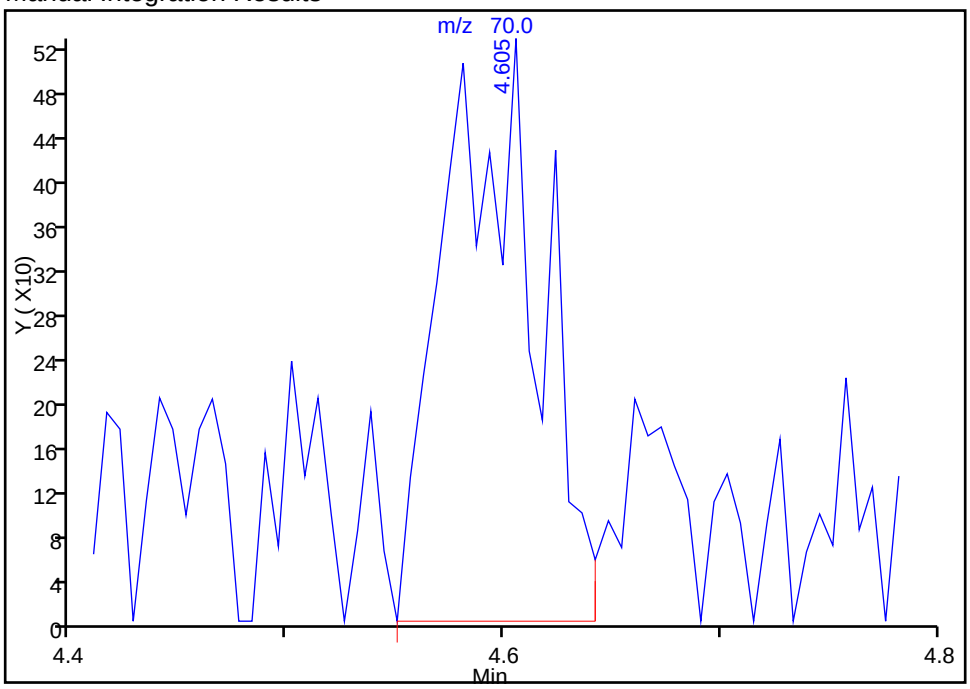
Processing Integration Results

RT: 4.62
Area: 256
Amount: 2.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.61
Area: 1557
Amount: 3.852411
Amount Units: ug/l



Reviewer: baronm, 27-Jul-2016 18:56:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56081.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Jul-2016 00:16:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0043755-004
Operator ID: Instrument ID: CVOAMS9
Sublist: chrom-8260S9*sub40

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Jul-2016 18:56:53 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: boykink Date: 27-Jul-2016 04:49:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.655	1.655	0.000	81	6190	5.00	4.43	
2 Dichlorodifluoromethane	85	1.679	1.679	0.000	93	31874	5.00	4.08	
3 Chloromethane	50	1.838	1.838	0.000	99	37768	5.00	4.39	
5 Butadiene	54	1.942	1.942	0.000	95	24668	5.00	4.04	
4 Vinyl chloride	62	1.948	1.948	0.000	96	38105	5.00	4.20	
6 Bromomethane	94	2.252	2.252	0.000	97	28856	5.00	4.32	
7 Chloroethane	64	2.319	2.319	0.000	97	19120	5.00	4.04	
9 Dichlorofluoromethane	67	2.521	2.521	0.000	96	48433	5.00	4.22	
8 Trichlorofluoromethane	101	2.533	2.533	0.000	57	44643	5.00	4.35	
10 Pentane	72	2.557	2.557	0.000	94	6710	10.0	8.28	
11 Ethyl ether	59	2.752	2.752	0.000	91	15922	5.00	4.88	
12 Ethanol	46	2.740	2.740	0.000	84	3710	200.0	170.5	M
13 2-Methyl-1,3-butadiene	53	2.777	2.777	0.000	98	16428	5.00	4.01	
14 1,2-Dichloro-1,1,2-trifluo	117	2.807	2.807	0.000	98	15698	5.00	4.18	
15 Acrolein	56	2.941	2.941	0.000	97	146565	200.0	209.9	
16 1,1,2-Trichloro-1,2,2-trif	101	2.947	2.947	0.000	35	21256	5.00	4.04	
17 1,1-Dichloroethene	96	2.978	2.978	0.000	95	18475	5.00	4.40	
18 Acetone	43	3.069	3.069	0.000	86	37558	25.0	25.1	
19 Iodomethane	142	3.149	3.149	0.000	99	37750	5.00	4.72	
22 Isopropyl alcohol	45	3.149	3.149	0.000	1	13302	50.0	38.4	
20 Carbon disulfide	76	3.185	3.185	0.000	99	71269	5.00	4.33	
21 3-Chloro-1-propene	76	3.307	3.307	0.000	69	12569	5.00	4.45	
23 Methyl acetate	43	3.313	3.313	0.000	99	73089	25.0	23.8	
24 Cyclopentene	67	3.331	3.331	0.000	88	41909	5.00	3.98	
29 Acetonitrile	41	3.399	3.399	0.000	45	41347	50.0	54.4	
* 25 TBA-d9 (IS)	65	3.429	3.429	0.000	100	412638	1000.0	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	96	25504	5.00	4.89	
27 2-Methyl-2-propanol	59	3.490	3.490	0.000	93	34629	50.0	52.8	
28 Methyl tert-butyl ether	73	3.612	3.612	0.000	96	59738	5.00	4.78	
30 trans-1,2-Dichloroethene	96	3.642	3.642	0.000	98	18874	5.00	4.49	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.709	3.709	0.000	93	76427	50.0	48.7	
32 Hexane	43	3.801	3.801	0.000	92	16431	5.00	3.79	
33 Isopropyl ether	45	4.002	4.002	0.000	96	73425	5.00	4.64	
34 1,1-Dichloroethane	63	4.051	4.051	0.000	85	37718	5.00	4.57	
35 Vinyl acetate	43	4.057	4.057	0.000	99	76024	10.0	8.68	
36 2-Chloro-1,3-butadiene	88	4.094	4.094	0.000	95	16081	5.00	4.28	
37 Tert-butyl ethyl ether	59	4.331	4.331	0.000	88	64329	5.00	4.56	
* 38 2-Butanone-d5	46	4.539	4.539	0.000	98	375892	250.0	250.0	
39 2,2-Dichloropropane	79	4.563	4.563	0.000	87	11066	5.00	4.72	
40 cis-1,2-Dichloroethene	96	4.587	4.587	0.000	86	22818	5.00	4.72	
41 Ethyl acetate	70	4.587	4.587	0.000	87	4033	10.0	9.92	
42 2-Butanone (MEK)	72	4.593	4.593	0.000	96	12690	25.0	24.2	
44 Methyl acrylate	55	4.654	4.654	0.000	98	15373	5.00	4.38	
43 Propionitrile	54	4.734	4.734	0.000	4	30875	50.0	48.6	M
46 Chlorobromomethane	128	4.825	4.825	0.000	94	11765	5.00	4.83	
45 Tetrahydrofuran	72	4.825	4.825	0.000	30	6134	10.0	9.58	
47 Methacrylonitrile	67	4.837	4.837	0.000	94	79623	50.0	44.6	
48 Chloroform	83	4.868	4.868	0.000	96	37320	5.00	4.55	
49 Cyclohexane	56	5.020	5.020	0.000	90	31627	5.00	3.65	
50 1,1,1-Trichloroethane	97	5.032	5.032	0.000	67	31133	5.00	4.29	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	230040	50.0	49.5	
52 Carbon tetrachloride	117	5.148	5.148	0.000	92	20459	5.00	3.97	
53 1,1-Dichloropropene	75	5.179	5.179	0.000	93	26721	5.00	4.38	
56 Isobutyl alcohol	43	5.288	5.288	0.000	26	14083	125.0	102.0	
54 Benzene	78	5.380	5.380	0.000	96	78898	5.00	4.56	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	95	256189	50.0	46.3	
57 Isopropyl acetate	43	5.423	5.423	0.000	87	73728	5.00	4.64	
58 Tert-amyl methyl ether	73	5.441	5.441	0.000	92	63791	5.00	4.42	
59 1,2-Dichloroethane	62	5.471	5.471	0.000	94	29229	5.00	4.70	
60 n-Heptane	57	5.532	5.532	0.000	94	15538	5.00	4.00	
* 61 Fluorobenzene	96	5.672	5.672	0.000	98	643160	50.0	50.0	
62 n-Butanol	56	5.965	5.965	0.000	90	10179	125.0	79.2	
63 Trichloroethene	95	6.038	6.038	0.000	96	19292	5.00	4.36	
64 Ethyl acrylate	55	6.160	6.160	0.000	96	46747	5.00	3.93	
65 Methylcyclohexane	83	6.172	6.172	0.000	96	31280	5.00	3.73	
66 1,2-Dichloropropane	63	6.331	6.331	0.000	88	21142	5.00	4.65	
* 67 1,4-Dioxane-d8	96	6.392	6.392	0.000	62	34474	1000.0	1000.0	
68 Methyl methacrylate	41	6.392	6.392	0.000	86	36069	10.0	8.54	
69 1,4-Dioxane	88	6.441	6.441	0.000	16	6096	100.0	100.1	
70 n-Propyl acetate	43	6.441	6.441	0.000	98	28278	5.00	4.24	
71 Dibromomethane	93	6.471	6.471	0.000	94	13964	5.00	4.67	
72 Dichlorobromomethane	83	6.611	6.611	0.000	96	23346	5.00	4.26	
73 2-Chloroethyl vinyl ether	63	6.947	6.947	0.000	86	11788	5.00	4.34	
74 2-Nitropropane	41	6.947	6.947	0.000	70	4991	10.0	8.14	
75 Epichlorohydrin	57	7.062	7.062	0.000	99	39657	100.0	93.3	
76 cis-1,3-Dichloropropene	75	7.117	7.117	0.000	96	29319	5.00	4.38	
77 4-Methyl-2-pentanone (MIBK	43	7.276	7.276	0.000	99	121153	25.0	23.9	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	846655	50.0	50.7	
79 Toluene	91	7.453	7.453	0.000	92	86180	5.00	4.57	
80 trans-1,3-Dichloropropene	75	7.794	7.794	0.000	97	26072	5.00	4.38	
81 Ethyl methacrylate	69	7.812	7.812	0.000	88	20014	5.00	4.32	
82 1,1,2-Trichloroethane	83	8.013	8.013	0.000	94	14676	5.00	4.50	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.074	8.074	0.000	93	20707	5.00	4.67	
84 1,3-Dichloropropane	76	8.233	8.233	0.000	94	28583	5.00	4.65	
85 2-Hexanone	43	8.282	8.282	0.000	99	76589	25.0	23.1	
86 n-Butyl acetate	43	8.391	8.391	0.000	97	29183	5.00	4.32	
87 Chlorodibromomethane	129	8.471	8.471	0.000	93	13237	5.00	3.82	
88 Ethylene Dibromide	107	8.641	8.641	0.000	98	17219	5.00	4.64	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	88	497402	50.0	50.0	
90 Chlorobenzene	112	9.221	9.221	0.000	95	55213	5.00	4.57	
92 Ethylbenzene	106	9.306	9.306	0.000	99	30587	5.00	4.48	
91 1,1,1,2-Tetrachloroethane	131	9.324	9.324	0.000	85	17024	5.00	4.07	
93 m-Xylene & p-Xylene	106	9.452	9.452	0.000	99	36272	5.00	4.38	
94 n-Butyl acrylate	73	9.879	9.879	0.000	95	10958	5.00	3.39	
95 o-Xylene	106	9.922	9.922	0.000	93	38552	5.00	4.34	
96 Styrene	104	9.946	9.946	0.000	95	60158	5.00	4.36	
97 Amyl acetate (mixed isomer	43	10.129	10.129	0.000	86	31625	5.00	3.96	
98 Bromoform	173	10.178	10.178	0.000	94	7920	5.00	4.29	
99 Isopropylbenzene	105	10.294	10.294	0.000	97	99696	5.00	4.29	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	91	277623	50.0	51.5	
101 Bromobenzene	156	10.653	10.653	0.000	92	26871	5.00	4.71	
102 1,1,2,2-Tetrachloroethane	83	10.684	10.684	0.000	97	28349	5.00	4.65	
103 N-Propylbenzene	91	10.714	10.714	0.000	99	125093	5.00	4.46	
104 1,2,3-Trichloropropane	110	10.739	10.739	0.000	94	7075	5.00	4.55	
105 trans-1,4-Dichloro-2-buten	53	10.751	10.751	0.000	78	7434	5.00	4.58	
106 2-Chlorotoluene	91	10.830	10.830	0.000	93	83962	5.00	4.31	
107 4-Ethyltoluene	105	10.830	10.830	0.000	88	103219	5.00	4.39	
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	92	87457	5.00	4.38	
109 4-Chlorotoluene	91	10.946	10.946	0.000	98	69470	5.00	4.36	
110 Butyl Methacrylate	87	10.982	10.982	0.000	98	20283	5.00	2.90	
111 tert-Butylbenzene	119	11.190	11.190	0.000	93	64059	5.00	4.01	
112 1,2,4-Trimethylbenzene	105	11.251	11.251	0.000	98	93840	5.00	4.42	
113 sec-Butylbenzene	105	11.391	11.391	0.000	98	110465	5.00	4.28	
114 4-Isopropyltoluene	119	11.525	11.525	0.000	97	99300	5.00	4.25	
115 1,3-Dichlorobenzene	146	11.531	11.531	0.000	94	50443	5.00	4.05	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	96	301310	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.623	11.623	0.000	93	54229	5.00	4.45	
118 Benzyl chloride	91	11.751	11.751	0.000	98	38154	5.00	3.79	
119 2,3-Dihydroindene	117	11.812	11.812	0.000	94	97949	5.00	4.39	
120 p-Diethylbenzene	119	11.854	11.854	0.000	92	60209	5.00	4.10	
121 n-Butylbenzene	91	11.879	11.879	0.000	96	126636	5.00	4.43	
122 1,2-Dichlorobenzene	146	11.946	11.946	0.000	95	53256	5.00	4.35	
123 1,2,4,5-Tetramethylbenzene	119	12.513	12.513	0.000	97	100962	5.00	4.20	
124 1,2-Dibromo-3-Chloropropan	75	12.604	12.604	0.000	85	4804	5.00	4.34	
125 1,3,5-Trichlorobenzene	180	12.726	12.726	0.000	97	44926	5.00	4.07	
126 1,2,4-Trichlorobenzene	180	13.214	13.214	0.000	93	41388	5.00	4.17	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	93	20627	5.00	4.11	
128 Naphthalene	128	13.415	13.415	0.000	99	89497	5.00	4.39	
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	94	36092	5.00	4.44	
S 130 1,2-Dichloroethene, Total	100				0		10.0	9.21	
S 131 Xylenes, Total	100				0		10.0	8.72	
S 132 Total BTEX	1				0		25.0	22.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00041	Amount Added:	0.50	Units: uL	
GASES Li_00164	Amount Added:	0.50	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

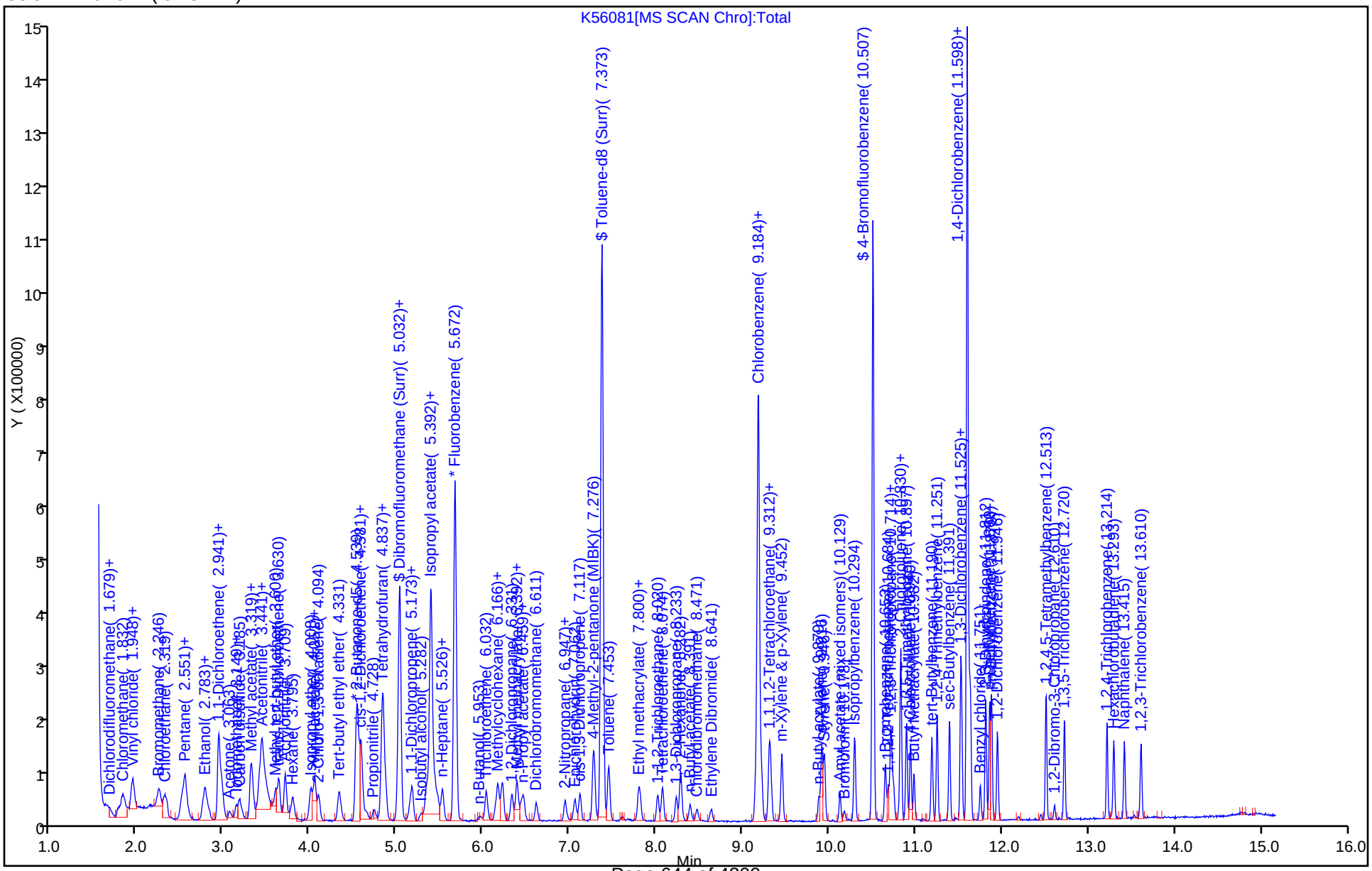
Report Date: 28-Jul-2016 18:56:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56081.D

Injection Date:	27-Jul-2016 00:16:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	STD5			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

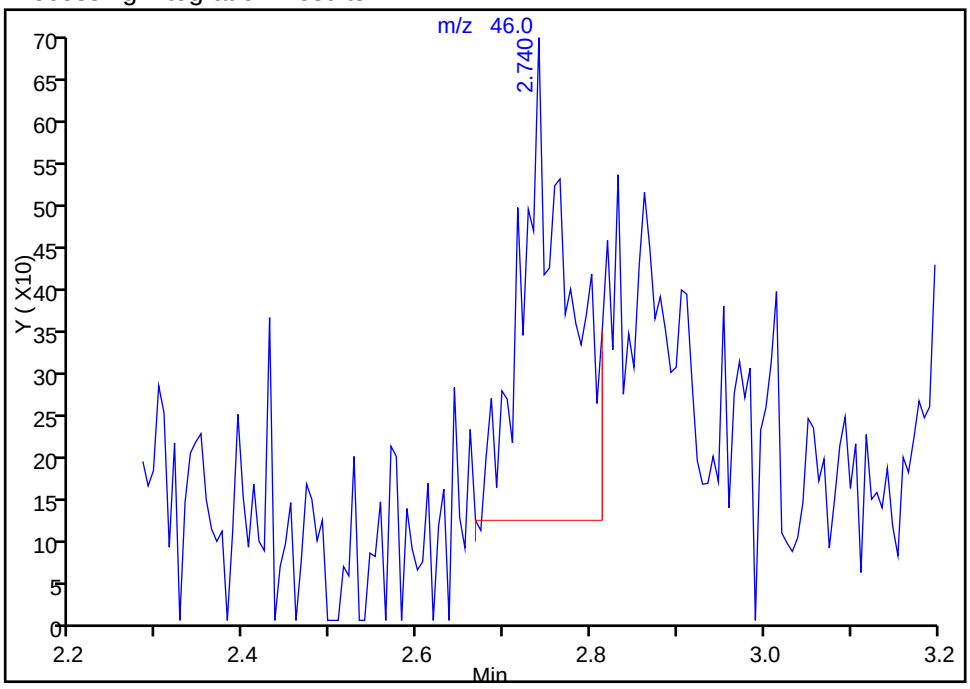
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56081.D
Injection Date: 27-Jul-2016 00:16:30 Instrument ID: CVOAMS9
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Ethanol, CAS: 64-17-5

Signal: 1

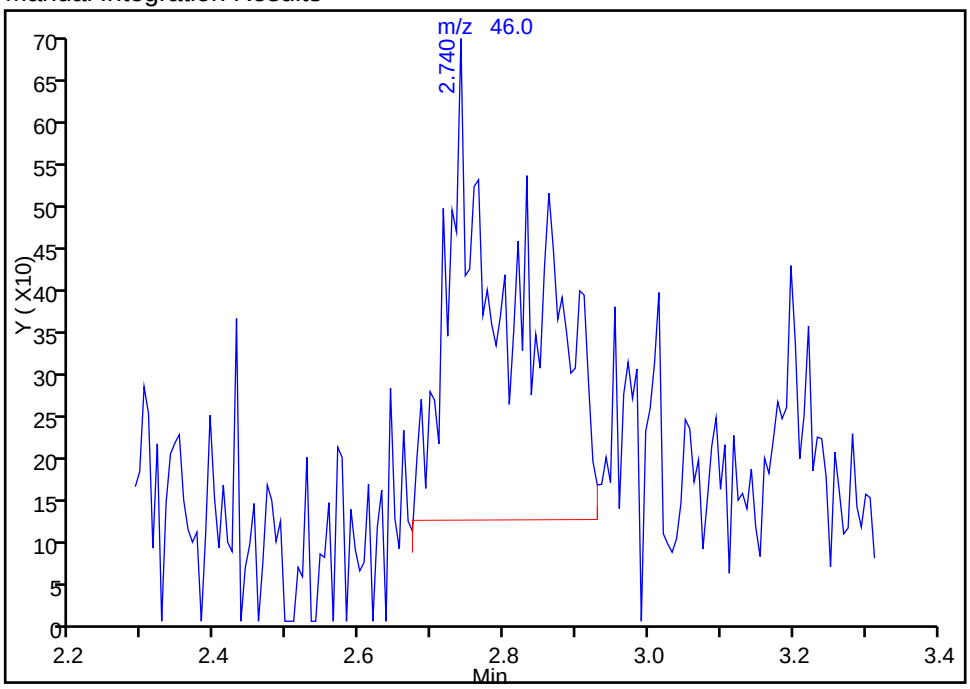
Processing Integration Results

RT: 2.74
Area: 2114
Amount: 73.031473
Amount Units: ug/l



Manual Integration Results

RT: 2.74
Area: 3710
Amount: 170.5400
Amount Units: ug/l



Reviewer: baronm, 27-Jul-2016 19:08:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

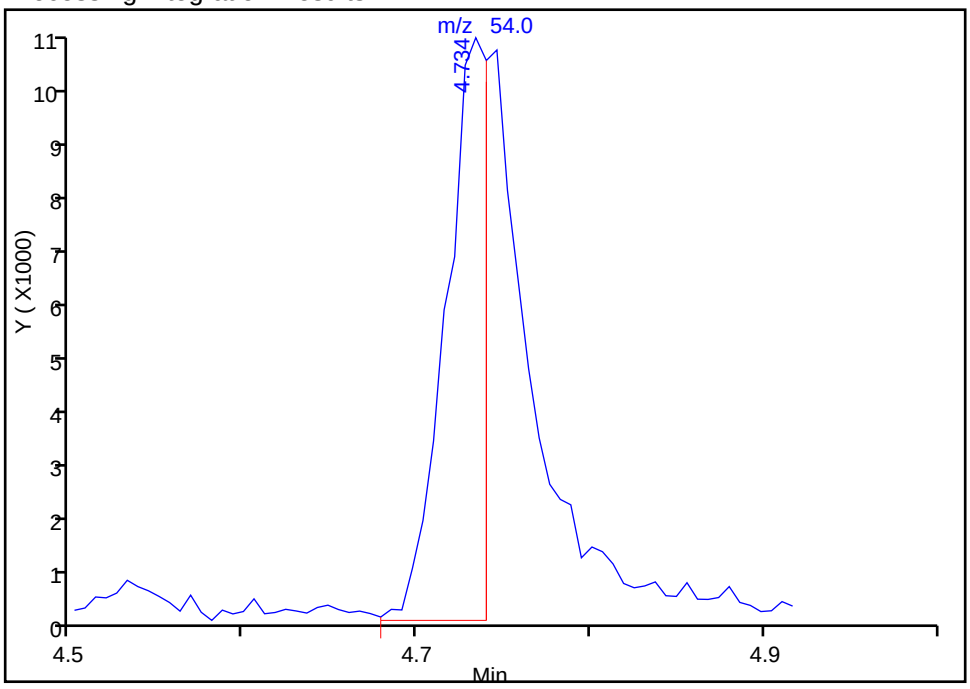
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56081.D
Injection Date: 27-Jul-2016 00:16:30 Instrument ID: CVOAMS9
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

43 Propionitrile, CAS: 107-12-0

Signal: 1

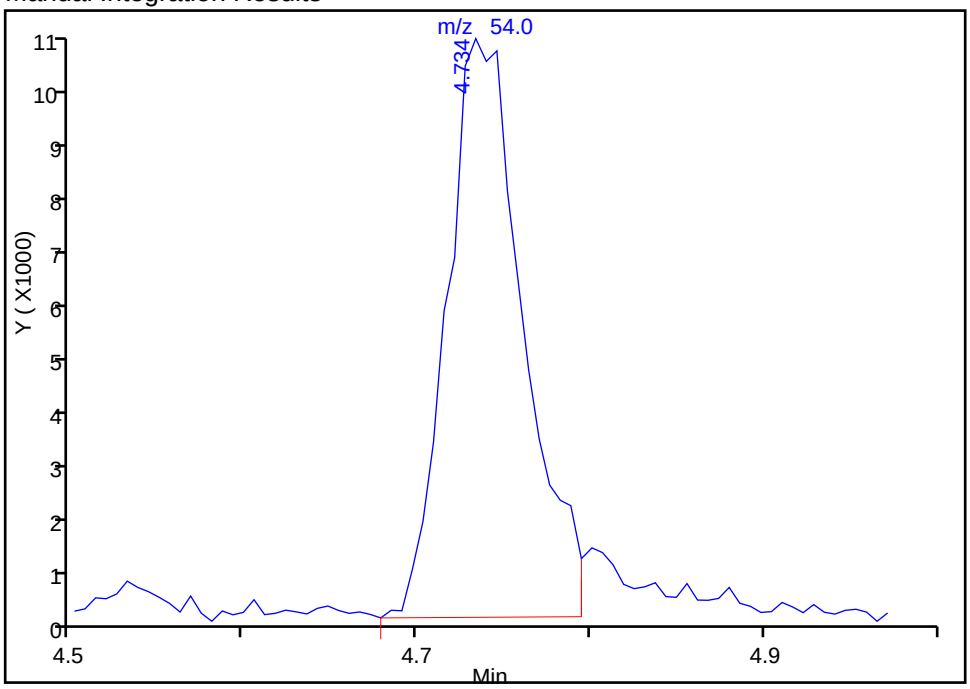
Processing Integration Results

RT: 4.73
Area: 17329
Amount: 25.636679
Amount Units: ug/l



Manual Integration Results

RT: 4.73
Area: 30875
Amount: 48.614401
Amount Units: ug/l



Reviewer: baronm, 27-Jul-2016 18:59:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56082.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 27-Jul-2016 00:42:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0043755-005
Operator ID: Instrument ID: CVOAMS9
Sublist: chrom-8260S9*sub40

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Jul-2016 18:56:57 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: baronm Date: 28-Jul-2016 18:51:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.649	1.649	0.000	91	26846	20.0	18.8	
2 Dichlorodifluoromethane	85	1.679	1.679	0.000	96	157082	20.0	19.7	
3 Chloromethane	50	1.838	1.838	0.000	99	162582	20.0	18.6	
5 Butadiene	54	1.947	1.947	0.000	93	112200	20.0	18.0	
4 Vinyl chloride	62	1.954	1.954	0.000	96	173412	20.0	18.8	
6 Bromomethane	94	2.252	2.252	0.000	98	135872	20.0	20.0	
7 Chloroethane	64	2.319	2.319	0.000	98	92296	20.0	19.2	
9 Dichlorofluoromethane	67	2.521	2.521	0.000	97	233927	20.0	20.0	
8 Trichlorofluoromethane	101	2.539	2.539	0.000	57	185275	20.0	17.7	
10 Pentane	72	2.551	2.551	0.000	96	30368	40.0	36.8	
11 Ethyl ether	59	2.758	2.758	0.000	92	63379	20.0	19.1	
12 Ethanol	46	2.764	2.764	0.000	71	19785	800.0	911.9	M
13 2-Methyl-1,3-butadiene	53	2.783	2.783	0.000	98	81119	20.0	19.4	
14 1,2-Dichloro-1,1,2-trifluo	117	2.819	2.819	0.000	91	80979	20.0	21.2	
15 Acrolein	56	2.941	2.941	0.000	98	219926	300.0	315.7	
16 1,1,2-Trichloro-1,2,2-trif	101	2.959	2.959	0.000	95	109218	20.0	20.4	
17 1,1-Dichloroethene	96	2.984	2.984	0.000	96	83100	20.0	19.4	
18 Acetone	43	3.069	3.069	0.000	85	141155	100.0	93.9	
19 Iodomethane	142	3.142	3.142	0.000	99	165940	20.0	20.4	
20 Carbon disulfide	76	3.185	3.185	0.000	100	341831	20.0	20.4	
22 Isopropyl alcohol	45	3.161	3.161	0.000	1	69444	200.0	201.0	
21 3-Chloro-1-propene	76	3.307	3.307	0.000	93	58594	20.0	20.4	
23 Methyl acetate	43	3.319	3.319	0.000	99	299609	100.0	95.6	
24 Cyclopentene	67	3.337	3.337	0.000	93	217311	20.0	20.3	
29 Acetonitrile	41	3.392	3.392	0.000	95	149815	200.0	197.5	
* 25 TBA-d9 (IS)	65	3.435	3.435	0.000	84	411538	1000.0	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	97	96548	20.0	19.8	
27 2-Methyl-2-propanol	59	3.520	3.520	0.000	93	121213	200.0	185.1	
28 Methyl tert-butyl ether	73	3.606	3.606	0.000	96	249195	20.0	19.6	
30 trans-1,2-Dichloroethene	96	3.636	3.636	0.000	98	83457	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.709	3.709	0.000	93	305446	200.0	191.1	
32 Hexane	43	3.795	3.795	0.000	90	87968	20.0	19.9	
33 Isopropyl ether	45	4.008	4.008	0.000	96	309584	20.0	19.2	
34 1,1-Dichloroethane	63	4.051	4.051	0.000	99	167764	20.0	20.0	
35 Vinyl acetate	43	4.057	4.057	0.000	100	340057	40.0	38.1	
36 2-Chloro-1,3-butadiene	88	4.100	4.100	0.000	95	76254	20.0	19.9	
37 Tert-butyl ethyl ether	59	4.331	4.331	0.000	88	273897	20.0	19.0	
* 38 2-Butanone-d5	46	4.545	4.545	0.000	95	376981	250.0	250.0	
39 2,2-Dichloropropane	79	4.569	4.569	0.000	93	48886	20.0	20.4	
40 cis-1,2-Dichloroethene	96	4.587	4.587	0.000	94	96606	20.0	19.6	
42 2-Butanone (MEK)	72	4.599	4.599	0.000	96	49348	100.0	94.0	
41 Ethyl acetate	70	4.599	4.599	0.000	93	14523	40.0	35.5	
44 Methyl acrylate	55	4.654	4.654	0.000	98	64203	20.0	18.0	
43 Propionitrile	54	4.734	4.734	0.000	97	123037	200.0	194.2	
46 Chlorobromomethane	128	4.825	4.825	0.000	88	46451	20.0	18.7	
45 Tetrahydrofuran	72	4.825	4.825	0.000	63	24779	40.0	38.6	
47 Methacrylonitrile	67	4.843	4.843	0.000	94	329453	200.0	181.4	
48 Chloroform	83	4.874	4.874	0.000	96	161086	20.0	19.3	
49 Cyclohexane	56	5.020	5.020	0.000	95	180603	20.0	20.5	
50 1,1,1-Trichloroethane	97	5.032	5.032	0.000	92	141430	20.0	19.1	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	234191	50.0	49.5	
52 Carbon tetrachloride	117	5.154	5.154	0.000	93	95148	20.0	18.1	
53 1,1-Dichloropropene	75	5.179	5.179	0.000	93	124374	20.0	20.0	
56 Isobutyl alcohol	43	5.288	5.288	0.000	62	55142	500.0	396.9	
54 Benzene	78	5.386	5.386	0.000	97	345957	20.0	19.8	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	97	261605	50.0	46.5	
57 Isopropyl acetate	43	5.422	5.422	0.000	96	295842	20.0	18.3	
58 Tert-amyl methyl ether	73	5.435	5.435	0.000	94	282859	20.0	19.2	
59 1,2-Dichloroethane	62	5.477	5.477	0.000	97	117230	20.0	18.5	
60 n-Heptane	57	5.526	5.526	0.000	95	81563	20.0	20.6	
* 61 Fluorobenzene	96	5.678	5.678	0.000	98	655024	50.0	50.0	
62 n-Butanol	56	5.971	5.971	0.000	96	42843	500.0	333.7	
63 Trichloroethene	95	6.038	6.038	0.000	95	86687	20.0	19.3	
64 Ethyl acrylate	55	6.160	6.160	0.000	98	233824	20.0	19.3	
65 Methylcyclohexane	83	6.172	6.172	0.000	94	174440	20.0	20.4	
66 1,2-Dichloropropane	63	6.337	6.337	0.000	89	90258	20.0	19.5	
68 Methyl methacrylate	41	6.392	6.392	0.000	90	160715	40.0	37.4	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	39	34400	1000.0	1000.0	
70 n-Propyl acetate	43	6.447	6.447	0.000	99	117345	20.0	17.3	
69 1,4-Dioxane	88	6.434	6.434	0.000	13	23088	400.0	380.1	
71 Dibromomethane	93	6.465	6.465	0.000	93	55677	20.0	18.3	
72 Dichlorobromomethane	83	6.617	6.617	0.000	98	98732	20.0	17.7	
73 2-Chloroethyl vinyl ether	63	6.947	6.947	0.000	87	49512	20.0	17.9	
74 2-Nitropropane	41	6.953	6.953	0.000	67	21337	40.0	34.2	
75 Epichlorohydrin	57	7.062	7.062	0.000	99	164211	400.0	385.3	
76 cis-1,3-Dichloropropene	75	7.117	7.117	0.000	97	126855	20.0	18.8	
77 4-Methyl-2-pentanone (MIBK	43	7.282	7.282	0.000	99	502028	100.0	98.8	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	864051	50.0	51.3	
79 Toluene	91	7.453	7.453	0.000	92	366479	20.0	19.2	
80 trans-1,3-Dichloropropene	75	7.800	7.800	0.000	95	109797	20.0	18.3	
81 Ethyl methacrylate	69	7.818	7.818	0.000	90	87669	20.0	18.7	
82 1,1,2-Trichloroethane	83	8.019	8.019	0.000	95	62028	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.074	8.074	0.000	92	84860	20.0	19.0	
84 1,3-Dichloropropane	76	8.233	8.233	0.000	94	117932	20.0	19.0	
85 2-Hexanone	43	8.282	8.282	0.000	99	323824	100.0	97.6	
86 n-Butyl acetate	43	8.391	8.391	0.000	96	120975	20.0	17.7	
87 Chlorodibromomethane	129	8.471	8.471	0.000	96	58671	20.0	16.8	
88 Ethylene Dibromide	107	8.635	8.635	0.000	97	72646	20.0	19.4	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	88	501976	50.0	50.0	
90 Chlorobenzene	112	9.220	9.220	0.000	94	233672	20.0	19.2	
92 Ethylbenzene	106	9.306	9.306	0.000	99	131024	20.0	19.0	
91 1,1,1,2-Tetrachloroethane	131	9.324	9.324	0.000	88	73077	20.0	17.3	
93 m-Xylene & p-Xylene	106	9.452	9.452	0.000	98	157240	20.0	18.8	
94 n-Butyl acrylate	73	9.879	9.879	0.000	95	48938	20.0	15.0	
95 o-Xylene	106	9.915	9.915	0.000	93	170288	20.0	19.0	
96 Styrene	104	9.946	9.946	0.000	95	265540	20.0	19.1	
97 Amyl acetate (mixed isomer	43	10.129	10.129	0.000	88	139231	20.0	16.9	
98 Bromoform	173	10.178	10.178	0.000	94	33143	20.0	17.5	
99 Isopropylbenzene	105	10.300	10.300	0.000	96	462781	20.0	19.7	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	91	276313	50.0	50.8	
101 Bromobenzene	156	10.653	10.653	0.000	92	106026	20.0	18.0	
102 1,1,2,2-Tetrachloroethane	83	10.684	10.684	0.000	97	117340	20.0	18.7	
103 N-Propylbenzene	91	10.714	10.714	0.000	99	576902	20.0	20.0	
104 1,2,3-Trichloropropane	110	10.738	10.738	0.000	95	29681	20.0	18.5	
105 trans-1,4-Dichloro-2-buten	53	10.751	10.751	0.000	81	30628	20.0	18.3	
106 2-Chlorotoluene	91	10.830	10.830	0.000	92	375908	20.0	18.7	
107 4-Ethyltoluene	105	10.830	10.830	0.000	88	456841	20.0	18.9	
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	92	398595	20.0	19.4	
109 4-Chlorotoluene	91	10.940	10.940	0.000	98	311747	20.0	19.0	
110 Butyl Methacrylate	87	10.982	10.982	0.000	97	100260	20.0	13.9	
111 tert-Butylbenzene	119	11.190	11.190	0.000	93	310174	20.0	18.8	
112 1,2,4-Trimethylbenzene	105	11.251	11.251	0.000	99	413932	20.0	18.9	
113 sec-Butylbenzene	105	11.391	11.391	0.000	98	533973	20.0	20.1	
114 4-Isopropyltoluene	119	11.525	11.525	0.000	97	459706	20.0	19.1	
115 1,3-Dichlorobenzene	146	11.531	11.531	0.000	95	225778	20.0	17.6	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	96	310383	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.622	11.622	0.000	95	225310	20.0	18.0	
118 Benzyl chloride	91	11.750	11.750	0.000	98	173020	20.0	16.7	
119 2,3-Dihydroindene	117	11.811	11.811	0.000	94	437923	20.0	19.1	
120 p-Diethylbenzene	119	11.860	11.860	0.000	93	276324	20.0	18.3	
121 n-Butylbenzene	91	11.878	11.878	0.000	96	577415	20.0	19.6	
122 1,2-Dichlorobenzene	146	11.946	11.946	0.000	95	234074	20.0	18.5	
123 1,2,4,5-Tetramethylbenzene	119	12.512	12.512	0.000	97	481145	20.0	19.4	
124 1,2-Dibromo-3-Chloropropan	75	12.604	12.604	0.000	86	18175	20.0	16.0	
125 1,3,5-Trichlorobenzene	180	12.720	12.720	0.000	95	206533	20.0	18.1	
126 1,2,4-Trichlorobenzene	180	13.214	13.214	0.000	93	190338	20.0	18.6	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	92	99668	20.0	19.3	
128 Naphthalene	128	13.415	13.415	0.000	99	403745	20.0	19.2	
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	94	164703	20.0	19.7	
S 130 1,2-Dichloroethene, Total	100				0		40.0	39.1	
S 131 Xylenes, Total	100				0		40.0	37.8	
S 132 Total BTEX	1				0		100.0	95.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	3.00	Units: uL	
8260MIX1COMB_00041	Amount Added:	2.00	Units: uL	
GASES Li_00164	Amount Added:	2.00	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Jul-2016 18:56:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56082.D

Injection Date: 27-Jul-2016 00:42:30 Instrument ID: CVOAMS9 Operator ID:

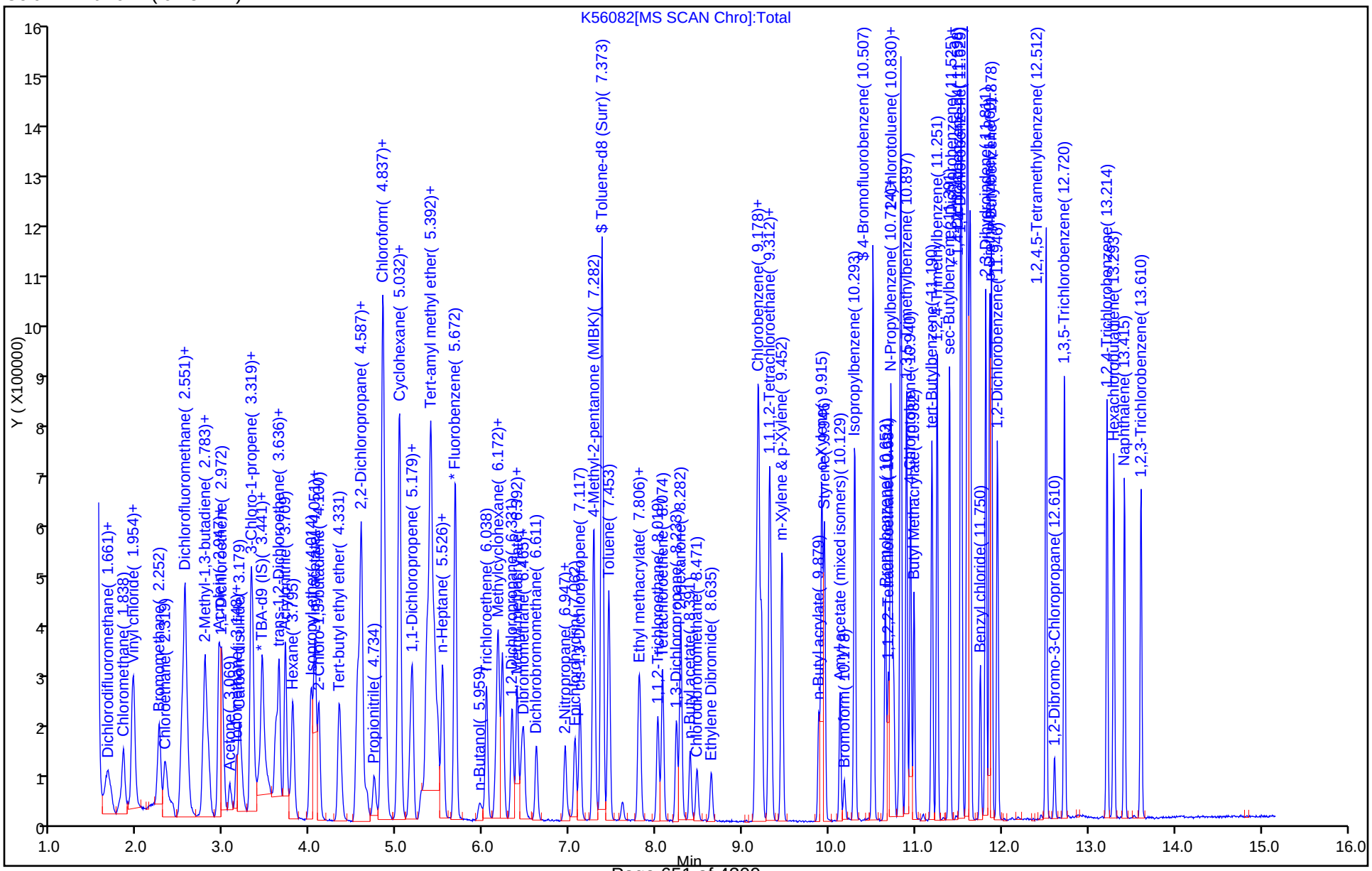
Lims ID: STD20 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260S9 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

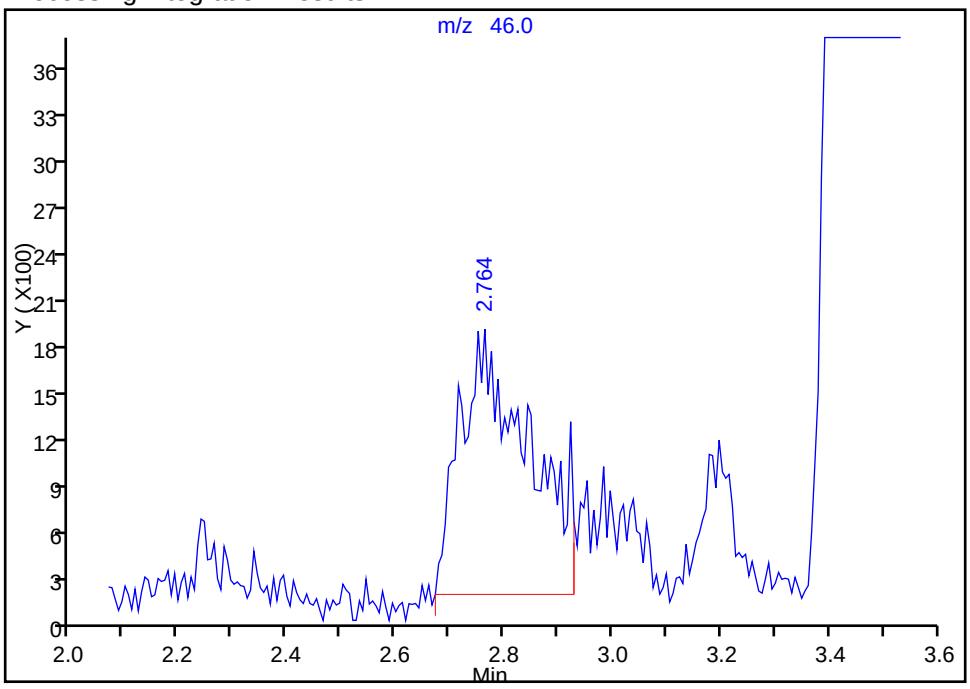
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56082.D
Injection Date: 27-Jul-2016 00:42:30 Instrument ID: CVOAMS9
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Ethanol, CAS: 64-17-5

Signal: 1

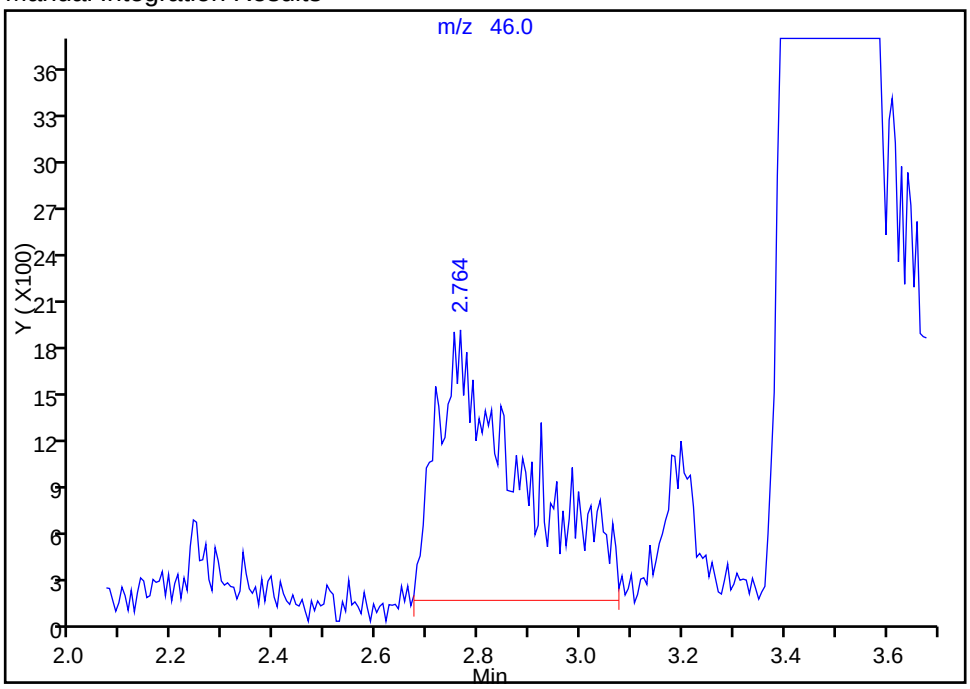
Processing Integration Results

RT: 2.76
Area: 14973
Amount: 525.3395
Amount Units: ug/l



Manual Integration Results

RT: 2.76
Area: 19785
Amount: 911.9009
Amount Units: ug/l



Reviewer: baronm, 27-Jul-2016 19:08:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56083.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Jul-2016 01:08:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0043755-006
Operator ID: Instrument ID: CVOAMS9
Sublist: chrom-8260S9*sub40

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Jul-2016 18:57:03 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: boykink Date: 27-Jul-2016 01:31:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.630	1.649	-0.019	90	69292	50.0	48.5	
2 Dichlorodifluoromethane	85	1.667	1.679	-0.012	98	379929	50.0	47.5	
3 Chloromethane	50	1.832	1.838	-0.006	100	399185	50.0	45.4	
5 Butadiene	54	1.947	1.947	0.000	95	284949	50.0	45.7	
4 Vinyl chloride	62	1.947	1.954	-0.007	98	432010	50.0	46.6	
6 Bromomethane	94	2.246	2.252	-0.006	98	374021	50.0	54.7	
7 Chloroethane	64	2.313	2.319	-0.006	99	249242	50.0	51.6	
9 Dichlorofluoromethane	67	2.520	2.521	-0.001	97	564116	50.0	48.1	
8 Trichlorofluoromethane	101	2.533	2.539	-0.006	57	473212	50.0	45.1	
10 Pentane	72	2.551	2.551	0.000	96	75164	100.0	90.8	
12 Ethanol	46	2.758	2.764	-0.006	73	48916	2000.0	2155.6	
11 Ethyl ether	59	2.752	2.758	-0.006	93	158892	50.0	47.7	
13 2-Methyl-1,3-butadiene	53	2.777	2.783	-0.006	98	202226	50.0	48.3	
14 1,2-Dichloro-1,1,2-trifluo	117	2.813	2.819	-0.006	96	199360	50.0	51.9	
15 Acrolein	56	2.935	2.941	-0.006	98	295245	400.0	405.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.953	2.959	-0.006	95	271824	50.0	50.6	
17 1,1-Dichloroethene	96	2.978	2.984	-0.006	96	207311	50.0	48.3	
18 Acetone	43	3.063	3.069	-0.006	85	347365	250.0	227.5	
19 Iodomethane	142	3.142	3.142	0.000	100	408392	50.0	50.0	
22 Isopropyl alcohol	45	3.155	3.161	-0.007	1	214302	500.0	593.1	
20 Carbon disulfide	76	3.179	3.185	-0.006	100	848611	50.0	50.5	
21 3-Chloro-1-propene	76	3.307	3.307	0.000	95	136045	50.0	47.2	
23 Methyl acetate	43	3.313	3.319	-0.006	99	771784	250.0	245.5	
24 Cyclopentene	67	3.331	3.337	-0.006	95	540533	50.0	50.3	
29 Acetonitrile	41	3.374	3.392	-0.018	95	389513	500.0	491.0	
* 25 TBA-d9 (IS)	65	3.429	3.435	-0.006	33	430431	1000.0	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	96	239614	50.0	50.0	
27 2-Methyl-2-propanol	59	3.496	3.520	-0.024	96	315459	500.0	460.7	
28 Methyl tert-butyl ether	73	3.600	3.606	-0.006	96	635035	50.0	49.7	
30 trans-1,2-Dichloroethene	96	3.636	3.636	0.000	98	209270	50.0	48.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.709	3.709	0.000	93	788379	500.0	491.7	
32 Hexane	43	3.795	3.795	0.000	92	227681	50.0	51.4	
33 Isopropyl ether	45	4.002	4.008	-0.006	94	781011	50.0	48.3	
34 1,1-Dichloroethane	63	4.051	4.051	0.000	98	422840	50.0	50.1	
35 Vinyl acetate	43	4.051	4.057	-0.006	100	902861	100.0	100.8	
36 2-Chloro-1,3-butadiene	88	4.093	4.100	-0.007	95	193959	50.0	50.6	
37 Tert-butyl ethyl ether	59	4.331	4.331	0.000	89	697082	50.0	48.3	
* 38 2-Butanone-d5	46	4.538	4.545	-0.007	90	383074	250.0	250.0	
39 2,2-Dichloropropane	79	4.563	4.569	-0.006	95	123876	50.0	50.8	
40 cis-1,2-Dichloroethene	96	4.587	4.587	0.000	92	239954	50.0	48.6	
41 Ethyl acetate	70	4.587	4.599	-0.012	92	39601	100.0	94.7	
42 2-Butanone (MEK)	72	4.593	4.599	-0.006	95	122795	250.0	230.2	
44 Methyl acrylate	55	4.648	4.654	-0.006	98	168658	50.0	47.1	
43 Propionitrile	54	4.733	4.734	-0.001	97	321561	500.0	485.4	
46 Chlorobromomethane	128	4.819	4.825	-0.006	87	117233	50.0	47.1	
45 Tetrahydrofuran	72	4.825	4.825	0.000	62	58226	100.0	89.2	
47 Methacrylonitrile	67	4.837	4.843	-0.006	94	861684	500.0	472.8	
48 Chloroform	83	4.868	4.874	-0.006	97	406258	50.0	48.5	
49 Cyclohexane	56	5.020	5.020	0.000	95	455033	50.0	51.4	
50 1,1,1-Trichloroethane	97	5.026	5.032	-0.006	98	360419	50.0	48.6	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	216445	50.0	45.6	
52 Carbon tetrachloride	117	5.154	5.154	0.000	94	253903	50.0	48.2	
53 1,1-Dichloropropene	75	5.179	5.179	-0.001	93	313216	50.0	50.2	
56 Isobutyl alcohol	43	5.282	5.288	-0.006	95	131941	1250.0	894.3	
54 Benzene	78	5.386	5.386	0.000	97	887141	50.0	50.8	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	98	244650	50.0	43.3	
57 Isopropyl acetate	43	5.422	5.422	0.000	96	822394	50.0	50.7	
58 Tert-amyl methyl ether	73	5.441	5.435	0.006	97	732827	50.0	49.7	
59 1,2-Dichloroethane	62	5.471	5.477	-0.006	97	310904	50.0	48.9	
60 n-Heptane	57	5.526	5.526	0.000	94	208807	50.0	52.6	
* 61 Fluorobenzene	96	5.672	5.678	-0.006	98	657284	50.0	50.0	
62 n-Butanol	56	5.959	5.971	-0.012	94	122972	1250.0	912.7	
63 Trichloroethene	95	6.032	6.038	-0.006	96	223265	50.0	49.4	
64 Ethyl acrylate	55	6.160	6.160	0.000	98	621165	50.0	51.1	
65 Methylcyclohexane	83	6.166	6.172	-0.006	92	445432	50.0	52.0	
66 1,2-Dichloropropane	63	6.331	6.337	-0.006	86	232784	50.0	50.1	
68 Methyl methacrylate	41	6.392	6.392	0.000	87	420521	100.0	97.5	
* 67 1,4-Dioxane-d8	96	6.398	6.386	0.012	37	37037	1000.0	1000.0	
70 n-Propyl acetate	43	6.440	6.447	-0.007	99	327930	50.0	48.1	
69 1,4-Dioxane	88	6.440	6.434	0.006	31	53333	1000.0	815.5	
71 Dibromomethane	93	6.465	6.465	0.000	94	147404	50.0	48.2	
72 Dichlorobromomethane	83	6.611	6.617	-0.006	98	267989	50.0	47.9	
73 2-Chloroethyl vinyl ether	63	6.946	6.947	0.000	94	133005	50.0	47.9	
74 2-Nitropropane	41	6.946	6.953	-0.007	69	53841	100.0	85.9	
75 Epichlorohydrin	57	7.062	7.062	0.000	99	436926	1000.0	1009.0	
76 cis-1,3-Dichloropropene	75	7.117	7.117	0.000	98	339261	50.0	50.2	
77 4-Methyl-2-pentanone (MIBK	43	7.276	7.282	-0.006	99	1314432	250.0	254.5	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	97	789790	50.0	46.9	
79 Toluene	91	7.452	7.453	0.000	92	947411	50.0	49.7	
80 trans-1,3-Dichloropropene	75	7.794	7.800	-0.006	96	296196	50.0	49.3	
81 Ethyl methacrylate	69	7.812	7.818	-0.006	90	245467	50.0	52.5	
82 1,1,2-Trichloroethane	83	8.019	8.019	0.000	94	161866	50.0	49.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.074	8.074	0.000	93	226940	50.0	50.7	
84 1,3-Dichloropropane	76	8.233	8.233	0.000	94	308965	50.0	49.8	
85 2-Hexanone	43	8.282	8.282	0.000	99	848777	250.0	251.7	
86 n-Butyl acetate	43	8.391	8.391	0.000	97	330897	50.0	48.5	
87 Chlorodibromomethane	129	8.471	8.471	0.000	97	167864	50.0	48.0	
88 Ethylene Dibromide	107	8.635	8.635	0.000	98	188409	50.0	50.2	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	89	502173	50.0	50.0	
90 Chlorobenzene	112	9.214	9.220	-0.006	93	602565	50.0	49.4	
92 Ethylbenzene	106	9.306	9.306	0.000	99	338540	50.0	49.2	
91 1,1,1,2-Tetrachloroethane	131	9.330	9.324	0.006	90	204946	50.0	48.5	
93 m-Xylene & p-Xylene	106	9.452	9.452	0.000	98	412033	50.0	49.3	
94 n-Butyl acrylate	73	9.879	9.879	0.000	95	146131	50.0	44.4	
95 o-Xylene	106	9.915	9.915	0.000	93	448462	50.0	50.0	
96 Styrene	104	9.946	9.946	0.000	94	689683	50.0	49.5	
97 Amyl acetate (mixed isomer	43	10.129	10.129	0.000	87	413240	50.0	51.5	
98 Bromoform	173	10.178	10.178	0.000	95	93790	50.0	48.0	
99 Isopropylbenzene	105	10.293	10.300	-0.007	97	1195883	50.0	51.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	90	249243	50.0	45.8	
101 Bromobenzene	156	10.653	10.653	0.000	93	281188	50.0	49.0	
102 1,1,2,2-Tetrachloroethane	83	10.684	10.684	0.000	98	307927	50.0	50.2	
103 N-Propylbenzene	91	10.714	10.714	0.000	99	1484480	50.0	52.6	
104 1,2,3-Trichloropropane	110	10.738	10.738	0.000	96	78479	50.0	50.1	
105 trans-1,4-Dichloro-2-buten	53	10.751	10.751	0.000	83	77190	50.0	47.3	
106 2-Chlorotoluene	91	10.830	10.830	0.000	92	979338	50.0	50.0	
107 4-Ethyltoluene	105	10.830	10.830	0.000	88	1202605	50.0	50.9	
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	93	1037215	50.0	51.6	
109 4-Chlorotoluene	91	10.940	10.940	0.000	98	801114	50.0	50.0	
110 Butyl Methacrylate	87	10.982	10.982	0.000	97	305427	50.0	43.2	
111 tert-Butylbenzene	119	11.190	11.190	0.000	93	817649	50.0	50.8	
112 1,2,4-Trimethylbenzene	105	11.250	11.251	-0.001	99	1085050	50.0	50.8	
113 sec-Butylbenzene	105	11.391	11.391	0.000	98	1416946	50.0	54.5	
114 4-Isopropyltoluene	119	11.525	11.525	0.000	97	1226459	50.0	52.1	
115 1,3-Dichlorobenzene	146	11.531	11.531	0.000	96	585957	50.0	46.8	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	303178	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.622	11.622	0.000	94	580096	50.0	47.3	
118 Benzyl chloride	91	11.750	11.750	0.000	98	484256	50.0	47.7	
119 2,3-Dihydroindene	117	11.811	11.811	0.000	94	1150461	50.0	51.3	
120 p-Diethylbenzene	119	11.860	11.860	0.000	93	732939	50.0	49.6	
121 n-Butylbenzene	91	11.878	11.878	0.000	97	1492140	50.0	51.9	
122 1,2-Dichlorobenzene	146	11.945	11.946	-0.001	95	604982	50.0	49.1	
123 1,2,4,5-Tetramethylbenzene	119	12.512	12.512	0.000	97	1257794	50.0	52.0	
124 1,2-Dibromo-3-Chloropropan	75	12.610	12.604	0.006	88	50232	50.0	45.1	
125 1,3,5-Trichlorobenzene	180	12.726	12.720	0.006	96	532390	50.0	47.9	
126 1,2,4-Trichlorobenzene	180	13.214	13.214	0.000	93	484610	50.0	48.5	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	92	256197	50.0	50.7	
128 Naphthalene	128	13.415	13.415	0.000	99	1022066	50.0	49.8	
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	95	405041	50.0	49.5	
S 130 1,2-Dichloroethene, Total	100				0		100.0	97.3	
S 131 Xylenes, Total	100				0		100.0	99.3	
S 132 Total BTEX	1				0		250.0	249.0	

Reagents:

ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00041	Amount Added:	5.00	Units: uL	
GASES Li_00164	Amount Added:	5.00	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Jul-2016 18:57:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56083.D

Injection Date: 27-Jul-2016 01:08:30 Instrument ID: CVOAMS9 Operator ID:

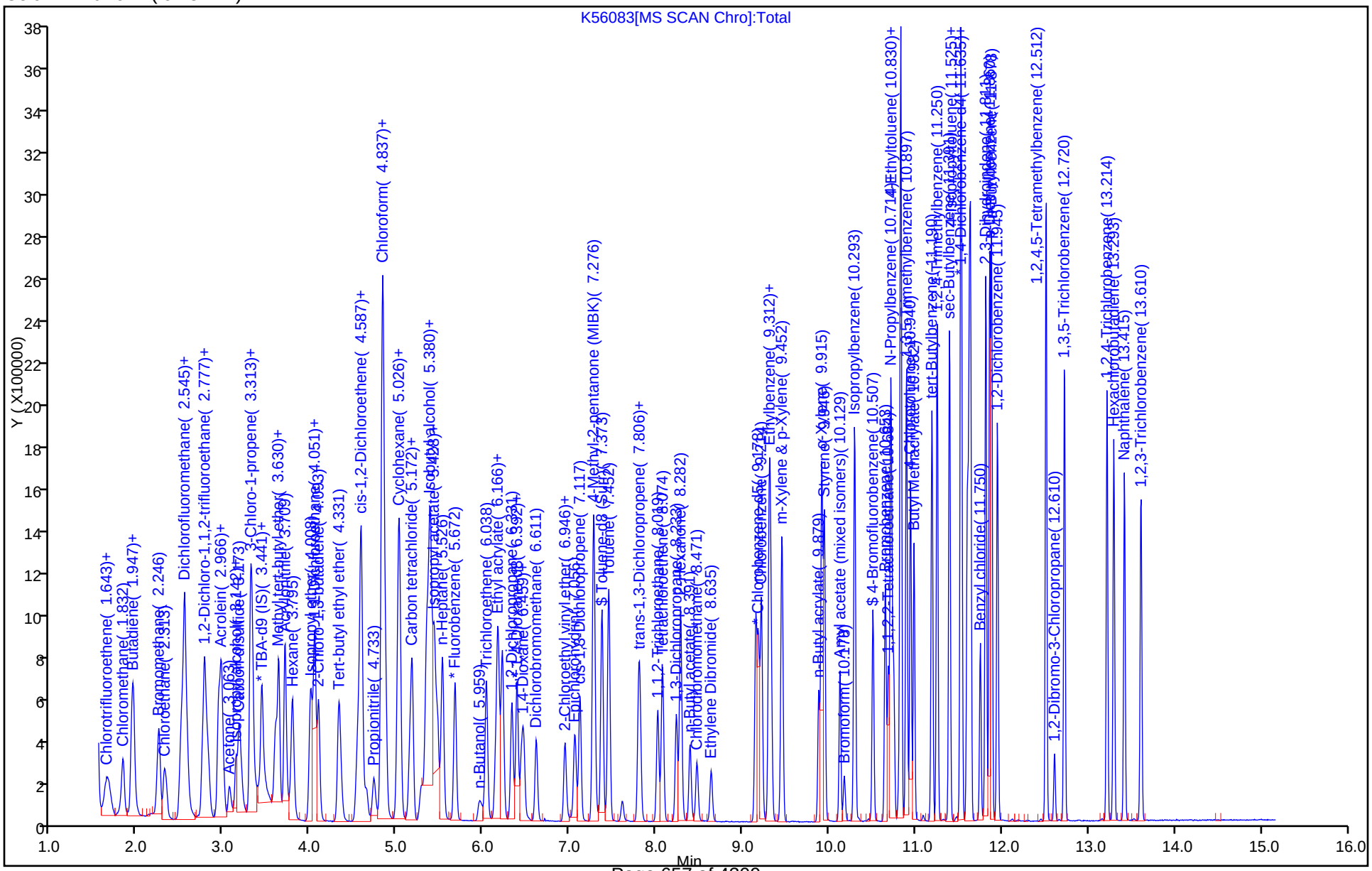
Lims ID: STD50 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260S9 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56084.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Jul-2016 01:52:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0043755-007
Operator ID: Instrument ID: CVOAMS9
Sublist: chrom-8260S9*sub40

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Jul-2016 18:57:07 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: boykink Date: 27-Jul-2016 04:44:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.637	1.649	-0.012	91	295995	200.0	188.2	
2 Dichlorodifluoromethane	85	1.667	1.679	-0.012	98	1997336	200.0	227.2	
3 Chloromethane	50	1.838	1.838	0.000	99	2152714	200.0	222.6	
5 Butadiene	54	1.947	1.947	0.000	95	1539490	200.0	224.2	
4 Vinyl chloride	62	1.954	1.954	0.000	99	2203972	200.0	216.2	
6 Bromomethane	94	2.246	2.252	-0.006	99	1816582	200.0	241.7	
7 Chloroethane	64	2.319	2.319	0.000	99	1225890	200.0	230.7	
9 Dichlorofluoromethane	67	2.514	2.521	-0.007	98	2714102	200.0	210.2	
8 Trichlorofluoromethane	101	2.533	2.539	-0.006	97	2322700	200.0	201.3	
10 Pentane	72	2.545	2.551	-0.006	95	381650	400.0	418.9	
11 Ethyl ether	59	2.746	2.758	-0.012	93	676005	200.0	184.3	
12 Ethanol	46	2.752	2.764	-0.012	72	248533	8000.0	9468.1	
13 2-Methyl-1,3-butadiene	53	2.770	2.783	-0.013	98	984023	200.0	213.6	
14 1,2-Dichloro-1,1,2-trifluo	117	2.807	2.819	-0.012	96	856792	200.0	202.9	
15 Acrolein	56	2.935	2.941	-0.006	97	400528	500.0	475.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.953	2.959	-0.006	95	1193759	200.0	202.0	
17 1,1-Dichloroethene	96	2.978	2.984	-0.006	96	918371	200.0	194.6	
18 Acetone	43	3.063	3.069	-0.006	85	1630943	1000.0	912.9	
19 Iodomethane	142	3.142	3.142	0.000	99	1797245	200.0	199.9	
22 Isopropyl alcohol	45	3.148	3.161	-0.013	1	1029486	2000.0	2463.2	
20 Carbon disulfide	76	3.179	3.185	-0.006	100	3743129	200.0	202.5	
21 3-Chloro-1-propene	76	3.301	3.307	-0.006	96	636570	200.0	200.7	
23 Methyl acetate	43	3.307	3.319	-0.012	100	3488609	1000.0	1008.6	
24 Cyclopentene	67	3.325	3.337	-0.012	89	2611528	200.0	220.8	
29 Acetonitrile	41	3.374	3.392	-0.018	94	1858588	2000.0	2025.2	
* 25 TBA-d9 (IS)	65	3.435	3.435	0.000	98	497901	1000.0	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	96	996621	200.0	190.7	
27 2-Methyl-2-propanol	59	3.496	3.520	-0.024	98	1408666	2000.0	1778.4	
28 Methyl tert-butyl ether	73	3.600	3.606	-0.006	96	2674765	200.0	190.5	
30 trans-1,2-Dichloroethene	96	3.636	3.636	0.000	98	892937	200.0	189.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.703	3.709	-0.006	92	3339438	2000.0	1893.2	
32 Hexane	43	3.789	3.795	-0.006	92	988249	200.0	202.7	
33 Isopropyl ether	45	4.002	4.008	-0.006	96	3628688	200.0	204.2	
34 1,1-Dichloroethane	63	4.051	4.051	0.000	100	1800123	200.0	194.0	
35 Vinyl acetate	43	4.051	4.057	-0.006	100	3916277	400.0	397.5	
36 2-Chloro-1,3-butadiene	88	4.093	4.100	-0.007	95	906956	200.0	214.9	
37 Tert-butyl ethyl ether	59	4.331	4.331	0.000	88	3243259	200.0	204.3	
* 38 2-Butanone-d5	46	4.538	4.545	-0.007	63	448212	250.0	250.0	
39 2,2-Dichloropropane	79	4.575	4.569	0.006	92	566446	200.0	199.7	
40 cis-1,2-Dichloroethene	96	4.587	4.587	0.000	93	1043527	200.0	192.0	
41 Ethyl acetate	70	4.593	4.599	-0.006	95	203413	400.0	402.5	
42 2-Butanone (MEK)	72	4.593	4.599	-0.006	95	570920	1000.0	914.7	
44 Methyl acrylate	55	4.654	4.654	0.000	99	827875	200.0	210.0	
43 Propionitrile	54	4.734	4.734	0.000	97	1584663	2000.0	2067.9	
46 Chlorobromomethane	128	4.825	4.825	0.000	89	521026	200.0	190.2	
45 Tetrahydrofuran	72	4.819	4.825	-0.006	91	278971	400.0	365.3	
47 Methacrylonitrile	67	4.843	4.843	0.000	94	4259261	2000.0	2124.3	
48 Chloroform	83	4.868	4.874	-0.006	96	1782976	200.0	193.4	
49 Cyclohexane	56	5.020	5.020	0.000	93	2041436	200.0	209.6	
50 1,1,1-Trichloroethane	97	5.026	5.032	-0.006	98	1661723	200.0	203.8	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	265578	50.0	50.8	
52 Carbon tetrachloride	117	5.154	5.154	0.000	94	1231888	200.0	212.6	
53 1,1-Dichloropropene	75	5.179	5.179	0.000	93	1347851	200.0	196.5	
56 Isobutyl alcohol	43	5.282	5.288	-0.006	96	986385	5000.0	5121.8	
54 Benzene	78	5.386	5.386	0.000	98	3921053	200.0	197.9	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.392	5.398	-0.006	97	332146	50.0	53.4	
57 Isopropyl acetate	43	5.422	5.422	0.000	96	3755869	200.0	210.4	
58 Tert-amyl methyl ether	73	5.441	5.435	0.006	92	3542552	200.0	218.3	
59 1,2-Dichloroethane	62	5.471	5.477	-0.006	97	1335975	200.0	191.2	
60 n-Heptane	57	5.526	5.526	0.000	94	872082	200.0	199.5	
* 61 Fluorobenzene	96	5.672	5.678	-0.006	98	723028	50.0	50.0	
62 n-Butanol	56	5.959	5.971	-0.012	94	822542	5000.0	5147.9	
63 Trichloroethene	95	6.038	6.038	0.000	96	996118	200.0	200.5	
64 Ethyl acrylate	55	6.148	6.160	-0.012	69	2863236	200.0	214.2	
65 Methylcyclohexane	83	6.172	6.172	0.000	94	2014075	200.0	213.8	
66 1,2-Dichloropropane	63	6.331	6.337	-0.006	87	1015540	200.0	198.7	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	32	30083	1000.0	1000.0	
68 Methyl methacrylate	41	6.392	6.392	0.000	88	2036096	400.0	429.1	
69 1,4-Dioxane	88	6.441	6.434	0.006	32	243296	4000.0	4580.3	
70 n-Propyl acetate	43	6.441	6.447	-0.007	99	1681816	200.0	224.3	
71 Dibromomethane	93	6.465	6.465	0.000	95	652508	200.0	194.0	
72 Dichlorobromomethane	83	6.611	6.617	-0.006	98	1256867	200.0	204.2	
73 2-Chloroethyl vinyl ether	63	6.947	6.947	0.000	94	654288	200.0	214.3	
74 2-Nitropropane	41	6.947	6.953	-0.007	75	284196	400.0	412.2	
75 Epichlorohydrin	57	7.062	7.062	0.000	98	2009834	4000.0	3966.7	
76 cis-1,3-Dichloropropene	75	7.117	7.117	0.000	97	1542784	200.0	201.3	
77 4-Methyl-2-pentanone (MIBK	43	7.276	7.282	-0.006	99	5784501	1000.0	957.2	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	97	958304	50.0	50.1	
79 Toluene	91	7.453	7.453	0.000	92	4150417	200.0	192.0	
80 trans-1,3-Dichloropropene	75	7.794	7.800	-0.006	96	1367428	200.0	200.6	
81 Ethyl methacrylate	69	7.812	7.818	-0.006	94	1143240	200.0	215.5	
82 1,1,2-Trichloroethane	83	8.019	8.019	0.000	95	709572	200.0	189.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.074	8.074	0.000	94	1009969	200.0	199.1	
84 1,3-Dichloropropane	76	8.233	8.233	0.000	92	1332146	200.0	189.2	
85 2-Hexanone	43	8.282	8.282	0.000	99	3735711	1000.0	946.9	
86 n-Butyl acetate	43	8.391	8.391	0.000	97	1711589	200.0	221.2	
87 Chlorodibromomethane	129	8.471	8.471	0.000	97	847186	200.0	213.5	
88 Ethylene Dibromide	107	8.635	8.635	0.000	97	820394	200.0	192.9	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	88	569512	50.0	50.0	
90 Chlorobenzene	112	9.214	9.220	-0.006	93	2644075	200.0	191.0	
92 Ethylbenzene	106	9.312	9.306	0.006	99	1527194	200.0	195.6	
91 1,1,1,2-Tetrachloroethane	131	9.330	9.324	0.006	91	1036141	200.0	216.1	
93 m-Xylene & p-Xylene	106	9.452	9.452	0.000	98	1820350	200.0	192.0	
94 n-Butyl acrylate	73	9.879	9.879	0.000	95	778929	200.0	202.8	
95 o-Xylene	106	9.915	9.915	0.000	93	2025334	200.0	199.2	
96 Styrene	104	9.946	9.946	0.000	93	3107855	200.0	196.6	
97 Amyl acetate (mixed isomer	43	10.123	10.129	-0.006	88	2200287	200.0	241.7	
98 Bromoform	173	10.178	10.178	0.000	94	516961	200.0	200.9	
99 Isopropylbenzene	105	10.293	10.300	-0.007	97	5606082	200.0	210.8	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	90	309601	50.0	50.2	
101 Bromobenzene	156	10.653	10.653	0.000	93	1248674	200.0	192.0	
102 1,1,2,2-Tetrachloroethane	83	10.684	10.684	0.000	97	1361272	200.0	195.9	
103 N-Propylbenzene	91	10.714	10.714	0.000	99	6771923	200.0	211.5	
104 1,2,3-Trichloropropane	110	10.738	10.738	0.000	95	336482	200.0	189.6	
105 trans-1,4-Dichloro-2-buten	53	10.751	10.751	0.000	85	356976	200.0	192.9	
106 2-Chlorotoluene	91	10.830	10.830	0.000	90	4713529	200.0	212.3	
107 4-Ethyltoluene	105	10.830	10.830	0.000	89	6129154	200.0	228.7	
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	92	4849329	200.0	213.0	
109 4-Chlorotoluene	91	10.940	10.940	0.000	98	3608306	200.0	198.7	
110 Butyl Methacrylate	87	10.982	10.982	0.000	97	1664956	200.0	203.5	
111 tert-Butylbenzene	119	11.190	11.190	0.000	93	4055409	200.0	222.3	
112 1,2,4-Trimethylbenzene	105	11.251	11.251	0.000	99	5188308	200.0	214.3	
113 sec-Butylbenzene	105	11.391	11.391	0.000	98	6766831	200.0	229.6	
114 4-Isopropyltoluene	119	11.525	11.525	0.000	97	6260086	200.0	234.7	
115 1,3-Dichlorobenzene	146	11.531	11.531	0.000	94	2923761	200.0	206.0	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	96	343686	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.622	11.622	0.000	93	2724972	200.0	196.2	
118 Benzyl chloride	91	11.750	11.750	0.000	98	2821068	200.0	245.4	
119 2,3-Dihydroindene	117	11.811	11.811	0.000	94	5817962	200.0	228.7	
120 p-Diethylbenzene	119	11.860	11.860	0.000	92	3839237	200.0	229.3	
121 n-Butylbenzene	91	11.878	11.878	0.000	96	7255292	200.0	222.5	
122 1,2-Dichlorobenzene	146	11.946	11.946	0.000	95	2787476	200.0	199.4	
123 1,2,4,5-Tetramethylbenzene	119	12.512	12.512	0.000	97	6914607	200.0	252.3	
124 1,2-Dibromo-3-Chloropropan	75	12.610	12.604	0.006	92	272685	200.0	216.2	
125 1,3,5-Trichlorobenzene	180	12.726	12.720	0.006	97	2884781	200.0	228.9	
126 1,2,4-Trichlorobenzene	180	13.214	13.214	0.000	93	2317557	200.0	204.5	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	92	1134831	200.0	198.2	
128 Naphthalene	128	13.415	13.415	0.000	99	4722762	200.0	203.1	
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	94	1894854	200.0	204.4	
S 130 1,2-Dichloroethene, Total	100				0		400.0	381.0	
S 131 Xylenes, Total	100				0		400.0	391.2	
S 132 Total BTEX	1				0		1000.0	976.7	

Reagents:

ACROLEIN W_00053	Amount Added:	5.00	Units: uL	
8260MIX1COMB_00041	Amount Added:	20.00	Units: uL	
GASES Li_00164	Amount Added:	20.00	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

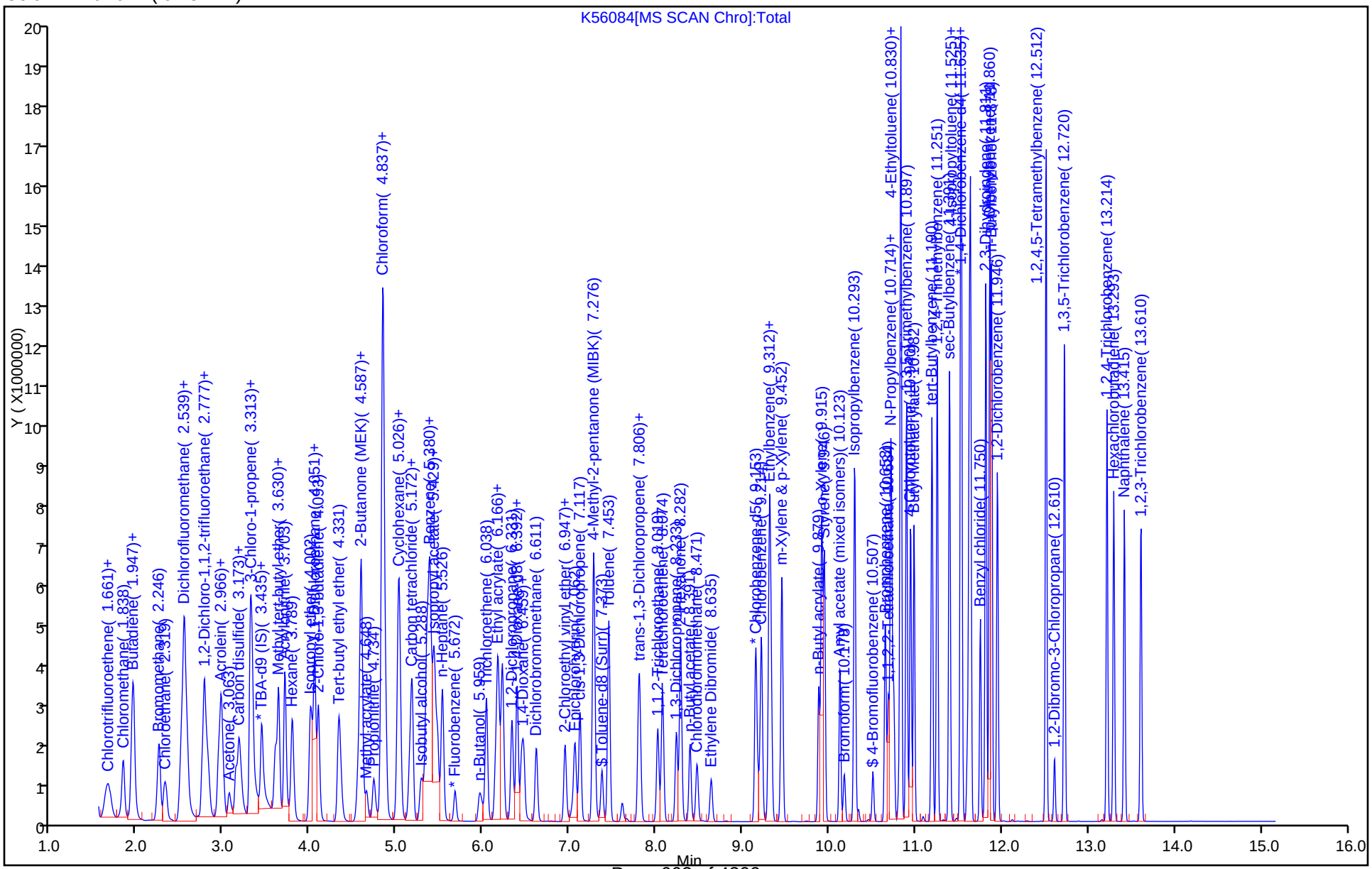
Report Date: 28-Jul-2016 18:57:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56084.D

Injection Date:	27-Jul-2016 01:52:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	STD200			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Jul-2016 02:17:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0043755-008
Operator ID: Instrument ID: CVOAMS9
Sublist: chrom-8260S9*sub40

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Jul-2016 18:57:12 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: boykink Date: 27-Jul-2016 04:44:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.643	1.649	-0.006	91	802145	500.0	497.9	
2 Dichlorodifluoromethane	85	1.667	1.679	-0.012	98	5354971	500.0	594.5	
3 Chloromethane	50	1.838	1.838	0.000	99	5845348	500.0	590.0	
5 Butadiene	54	1.947	1.947	0.000	95	4362348	500.0	620.1	
4 Vinyl chloride	62	1.954	1.954	0.000	100	6139259	500.0	587.9	
6 Bromomethane	94	2.252	2.252	0.000	99	5581871	500.0	725.0	
7 Chloroethane	64	2.325	2.319	0.006	99	3161312	500.0	580.6	
9 Dichlorofluoromethane	67	2.521	2.521	0.000	99	7248606	500.0	547.9	
8 Trichlorofluoromethane	101	2.539	2.539	0.000	98	6321009	500.0	534.6	
10 Pentane	72	2.545	2.551	-0.006	95	1018192	1000.0	1090.8	
11 Ethyl ether	59	2.746	2.758	-0.012	92	1892443	500.0	503.6	
12 Ethanol	46	2.740	2.764	-0.024	84	515320	20000	18468	M
13 2-Methyl-1,3-butadiene	53	2.770	2.783	-0.013	97	2616375	500.0	554.4	
14 1,2-Dichloro-1,1,2-trifluo	117	2.813	2.819	-0.006	96	2457950	500.0	568.1	
15 Acrolein	56	2.935	2.941	-0.006	94	495741	600.0	553.4	
16 1,1,2-Trichloro-1,2,2-trif	101	2.953	2.959	-0.006	95	3400728	500.0	561.6	
17 1,1-Dichloroethene	96	2.984	2.984	0.000	97	2719931	500.0	562.6	
18 Acetone	43	3.057	3.069	-0.012	85	4606654	2500.0	2393.0	
19 Iodomethane	142	3.148	3.142	0.006	100	5253729	500.0	570.3	
22 Isopropyl alcohol	45	3.142	3.161	-0.019	1	1941132	5000.0	4369.3	
20 Carbon disulfide	76	3.185	3.185	0.000	100	10638581	500.0	561.6	
21 3-Chloro-1-propene	76	3.301	3.307	-0.006	96	2031608	500.0	625.0	
23 Methyl acetate	43	3.307	3.319	-0.012	100	9789434	2500.0	2762.5	
24 Cyclopentene	67	3.325	3.337	-0.012	96	6903964	500.0	569.7	
29 Acetonitrile	41	3.374	3.392	-0.018	93	4726860	5000.0	4845.2	
* 25 TBA-d9 (IS)	65	3.429	3.435	-0.006	28	529271	1000.0	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	96	2860919	500.0	535.4	
27 2-Methyl-2-propanol	59	3.490	3.520	-0.030	94	3849419	5000.0	4571.7	
28 Methyl tert-butyl ether	73	3.600	3.606	-0.006	96	7550547	500.0	524.8	
30 trans-1,2-Dichloroethene	96	3.630	3.636	-0.006	98	2503020	500.0	517.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.703	3.709	-0.006	92	9308633	5000.0	5150.8	
32 Hexane	43	3.789	3.795	-0.006	92	2680535	500.0	536.6	
33 Isopropyl ether	45	4.002	4.008	-0.006	96	9268170	500.0	508.9	
34 1,1-Dichloroethane	63	4.045	4.051	-0.006	99	5173962	500.0	544.3	
35 Vinyl acetate	43	4.051	4.057	-0.006	100	11512651	1000.0	1140.6	
36 2-Chloro-1,3-butadiene	88	4.093	4.100	-0.007	95	2295635	500.0	530.9	
37 Tert-butyl ethyl ether	59	4.331	4.331	0.000	88	8350391	500.0	513.4	
* 38 2-Butanone-d5	46	4.538	4.545	-0.007	34	482990	250.0	250.0	
39 2,2-Dichloropropane	79	4.575	4.569	0.006	95	1612304	500.0	500.0	
40 cis-1,2-Dichloroethene	96	4.587	4.587	0.000	92	3005968	500.0	539.8	
41 Ethyl acetate	70	4.593	4.599	-0.006	95	578292	1000.0	999.7	
42 2-Butanone (MEK)	72	4.593	4.599	-0.006	95	1646657	2500.0	2448.2	
44 Methyl acrylate	55	4.654	4.654	0.000	99	2222052	500.0	550.2	
43 Propionitrile	54	4.734	4.734	0.000	97	3925282	5000.0	4818.6	
46 Chlorobromomethane	128	4.825	4.825	0.000	85	1567524	500.0	558.6	
45 Tetrahydrofuran	72	4.819	4.825	-0.006	64	831140	1000.0	1009.8	
47 Methacrylonitrile	67	4.837	4.843	-0.006	92	12412751	5000.0	6042.7	e
48 Chloroform	83	4.868	4.874	-0.006	97	5154565	500.0	545.8	
49 Cyclohexane	56	5.020	5.020	0.000	96	5914823	500.0	592.7	
50 1,1,1-Trichloroethane	97	5.032	5.032	0.000	98	4991925	500.0	597.6	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	295913	50.0	55.3	
52 Carbon tetrachloride	117	5.154	5.154	0.000	94	3947161	500.0	664.8	
53 1,1-Dichloropropene	75	5.179	5.179	0.000	95	3695512	500.0	525.9	
56 Isobutyl alcohol	43	5.282	5.288	-0.006	95	3063502	12500	12488	
54 Benzene	78	5.380	5.386	-0.006	98	11172835	500.0	514.5	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.392	5.398	-0.006	89	412523	50.0	64.8	
57 Isopropyl acetate	43	5.422	5.422	0.000	96	9656087	500.0	528.0	
58 Tert-amyl methyl ether	73	5.435	5.435	0.000	92	8737086	500.0	525.4	
59 1,2-Dichloroethane	62	5.471	5.477	-0.006	97	3778263	500.0	527.7	
60 n-Heptane	57	5.526	5.526	0.000	93	2364471	500.0	528.0	
* 61 Fluorobenzene	96	5.672	5.678	-0.006	98	740773	50.0	50.0	
62 n-Butanol	56	5.959	5.971	-0.012	93	2210133	12500	12481	
63 Trichloroethene	95	6.038	6.038	0.000	96	2814117	500.0	552.7	
64 Ethyl acrylate	55	6.154	6.160	-0.006	44	8430042	500.0	615.6	
65 Methylcyclohexane	83	6.172	6.172	0.000	93	5797886	500.0	600.7	
66 1,2-Dichloropropane	63	6.331	6.337	-0.006	88	2817435	500.0	538.0	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	32	29403	1000.0	1000.0	
68 Methyl methacrylate	41	6.392	6.392	0.000	88	5471917	1000.0	1125.5	
69 1,4-Dioxane	88	6.447	6.434	0.013	32	548791	10000	10571	
70 n-Propyl acetate	43	6.447	6.447	0.000	99	4374600	500.0	569.5	
71 Dibromomethane	93	6.471	6.465	0.006	95	1895064	500.0	550.1	
72 Dichlorobromomethane	83	6.617	6.617	0.000	98	3730637	500.0	591.6	
73 2-Chloroethyl vinyl ether	63	6.946	6.947	0.000	96	1740196	500.0	556.3	
74 2-Nitropropane	41	6.953	6.953	0.000	79	868274	1000.0	1229.2	
75 Epichlorohydrin	57	7.062	7.062	0.000	98	5813096	10000	10647	
76 cis-1,3-Dichloropropene	75	7.123	7.117	0.006	97	4599457	500.0	547.6	
77 4-Methyl-2-pentanone (MIBK	43	7.276	7.282	-0.006	99	16258890	2500.0	2496.7	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	1022358	50.0	48.8	
79 Toluene	91	7.452	7.453	0.000	93	11940242	500.0	504.2	
80 trans-1,3-Dichloropropene	75	7.800	7.800	0.000	96	4139157	500.0	554.1	
81 Ethyl methacrylate	69	7.812	7.818	-0.006	89	3401625	500.0	585.0	
82 1,1,2-Trichloroethane	83	8.019	8.019	0.000	94	2058374	500.0	502.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.074	8.074	0.000	93	2940791	500.0	529.1	
84 1,3-Dichloropropane	76	8.233	8.233	0.000	92	3867989	500.0	501.4	
85 2-Hexanone	43	8.282	8.282	0.000	99	10686159	2500.0	2513.6	
86 n-Butyl acetate	43	8.391	8.391	0.000	97	4512445	500.0	532.2	
87 Chlorodibromomethane	129	8.477	8.471	0.006	97	2784720	500.0	640.3	
88 Ethylene Dibromide	107	8.635	8.635	0.000	97	2377275	500.0	510.0	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	87	624116	50.0	50.0	
90 Chlorobenzene	112	9.220	9.220	0.000	94	7872921	500.0	518.9	
92 Ethylbenzene	106	9.312	9.306	0.006	99	4703115	500.0	549.6	
91 1,1,1,2-Tetrachloroethane	131	9.330	9.324	0.006	92	3420247	500.0	651.0	
93 m-Xylene & p-Xylene	106	9.458	9.452	0.006	98	5419110	500.0	521.5	
94 n-Butyl acrylate	73	9.879	9.879	0.000	96	2212689	500.0	499.6	
95 o-Xylene	106	9.915	9.915	0.000	93	6194384	500.0	556.0	
96 Styrene	104	9.946	9.946	0.000	96	9468823	500.0	546.6	
97 Amyl acetate (mixed isomer	43	10.129	10.129	0.000	88	6003607	500.0	581.1	
98 Bromoform	173	10.178	10.178	0.000	94	1793651	500.0	499.9	
99 Isopropylbenzene	105	10.293	10.300	-0.007	98	15163958	500.0	520.4	e
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	91	333708	50.0	49.4	
101 Bromobenzene	156	10.653	10.653	0.000	93	3802708	500.0	515.1	
102 1,1,2,2-Tetrachloroethane	83	10.684	10.684	0.000	97	4040824	500.0	512.4	
103 N-Propylbenzene	91	10.708	10.714	-0.006	97	16623446	500.0	457.5	e
104 1,2,3-Trichloropropane	110	10.738	10.738	0.000	95	1033744	500.0	513.2	
105 trans-1,4-Dichloro-2-buten	53	10.757	10.751	0.006	87	1161178	500.0	553.0	
106 2-Chlorotoluene	91	10.830	10.830	0.000	91	14036814	500.0	556.9	
107 4-Ethyltoluene	105	10.824	10.830	-0.006	84	15406646	500.0	506.6	e
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	95	13658217	500.0	528.5	e
109 4-Chlorotoluene	91	10.946	10.940	0.006	98	11119904	500.0	539.4	
110 Butyl Methacrylate	87	10.982	10.982	0.000	97	4813332	500.0	499.6	
111 tert-Butylbenzene	119	11.190	11.190	0.000	91	12425169	500.0	600.2	e
112 1,2,4-Trimethylbenzene	105	11.251	11.251	0.000	93	13796470	500.0	502.2	e
113 sec-Butylbenzene	105	11.391	11.391	0.000	92	15734440	500.0	470.4	eM
114 4-Isopropyltoluene	119	11.519	11.525	-0.006	89	15000855	500.0	495.6	e
115 1,3-Dichlorobenzene	146	11.531	11.531	0.000	94	10647674	500.0	661.1	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	97	390057	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.622	11.622	0.000	93	9376066	500.0	594.8	
118 Benzyl chloride	91	11.750	11.750	0.000	98	8113943	500.0	621.9	
119 2,3-Dihydroindene	117	11.811	11.811	0.000	92	13768173	500.0	476.9	eM
120 p-Diethylbenzene	119	11.860	11.860	0.000	89	11438677	500.0	602.0	e
121 n-Butylbenzene	91	11.872	11.878	-0.006	91	18289275	500.0	494.2	e
122 1,2-Dichlorobenzene	146	11.952	11.946	0.006	95	8732380	500.0	550.5	
123 1,2,4,5-Tetramethylbenzene	119	12.506	12.512	-0.006	87	13757545	500.0	442.3	e
124 1,2-Dibromo-3-Chloropropan	75	12.610	12.604	0.006	92	815069	500.0	569.4	
125 1,3,5-Trichlorobenzene	180	12.726	12.720	0.006	97	8442580	500.0	590.3	
126 1,2,4-Trichlorobenzene	180	13.220	13.214	0.006	93	7272168	500.0	565.5	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	92	3943748	500.0	606.9	
128 Naphthalene	128	13.415	13.415	0.000	97	12260090	500.0	464.6	e
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	95	5395841	500.0	513.0	
S 130 1,2-Dichloroethene, Total	100				0		1000.0	1056.8	
S 131 Xylenes, Total	100				0		1000.0	1077.5	
S 132 Total BTEX	1				0		2500.0	2645.8	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00053	Amount Added:	6.00	Units: uL	
8260MIX1COMB_00041	Amount Added:	50.00	Units: uL	
GASES Li_00164	Amount Added:	50.00	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

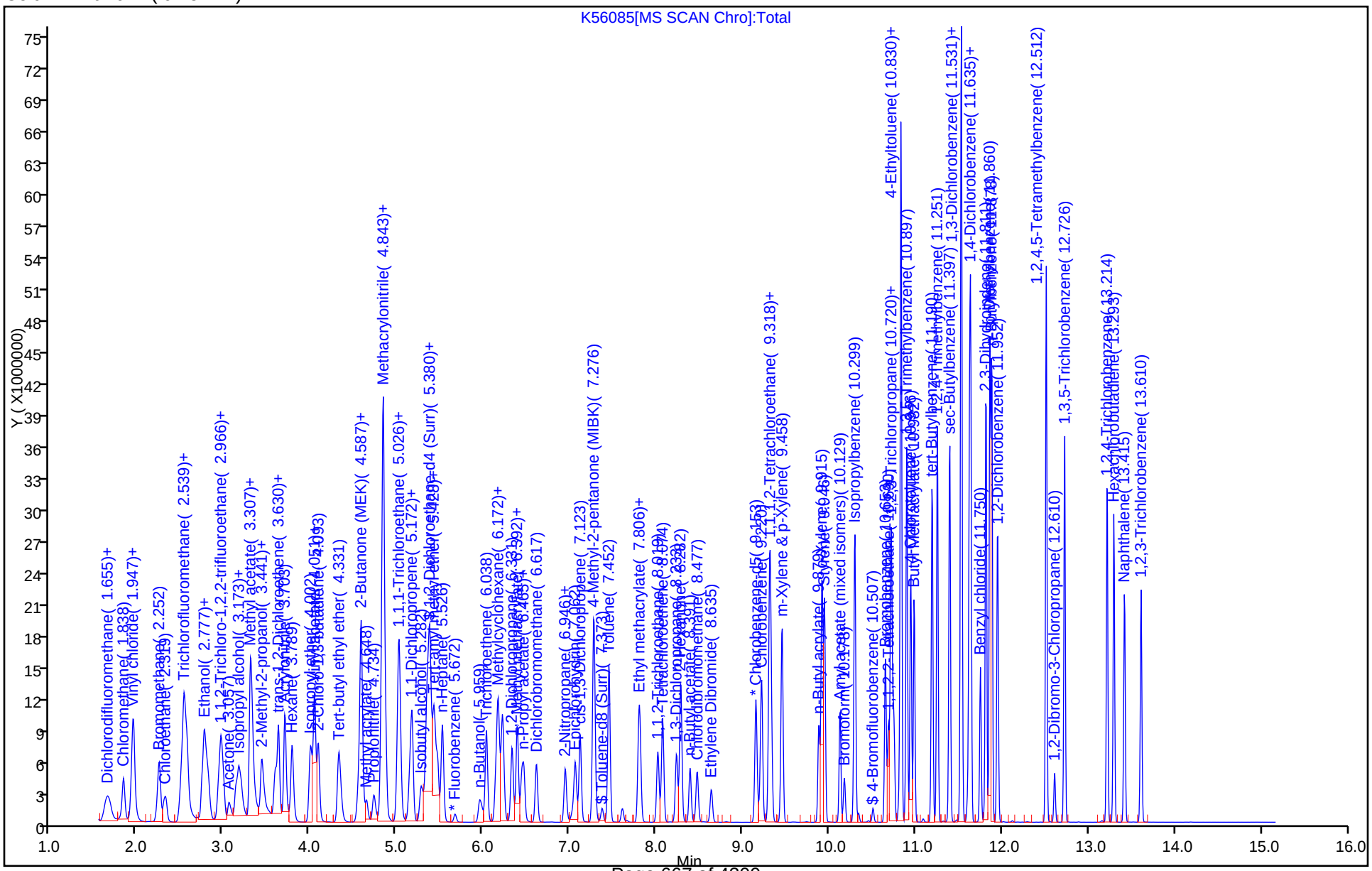
Report Date: 28-Jul-2016 18:57:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Injection Date:	27-Jul-2016 02:17:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	STD500			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

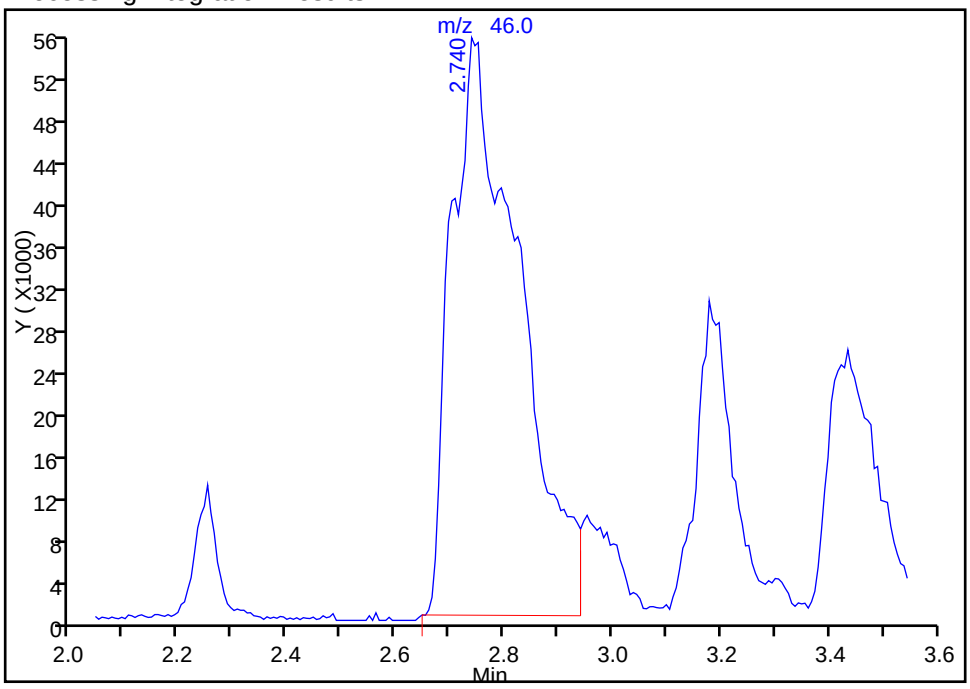
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D
Injection Date: 27-Jul-2016 02:17:30 Instrument ID: CVOAMS9
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Ethanol, CAS: 64-17-5

Signal: 1

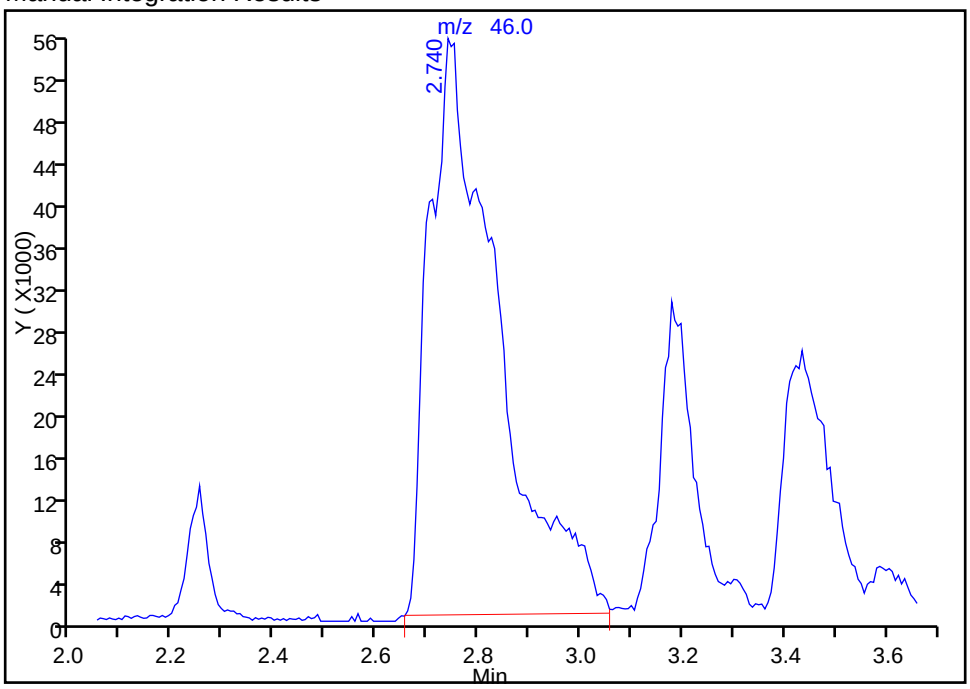
Processing Integration Results

RT: 2.74
Area: 479813
Amount: 17428
Amount Units: ug/l



Manual Integration Results

RT: 2.74
Area: 515320
Amount: 18468
Amount Units: ug/l



Reviewer: baronm, 27-Jul-2016 19:12:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

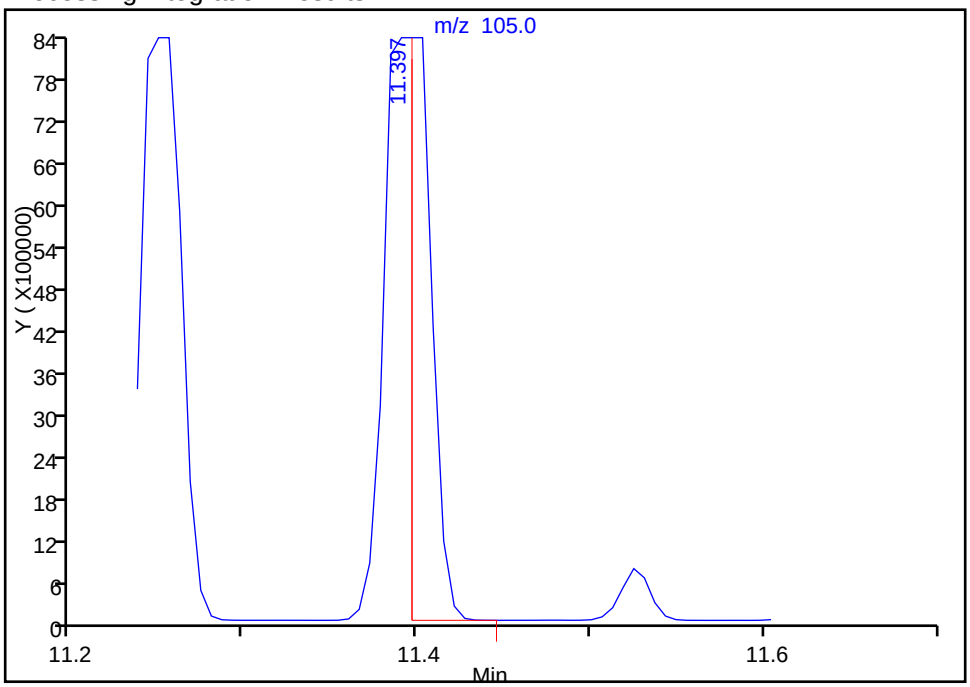
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D
Injection Date: 27-Jul-2016 02:17:30 Instrument ID: CVOAMS9
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

113 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

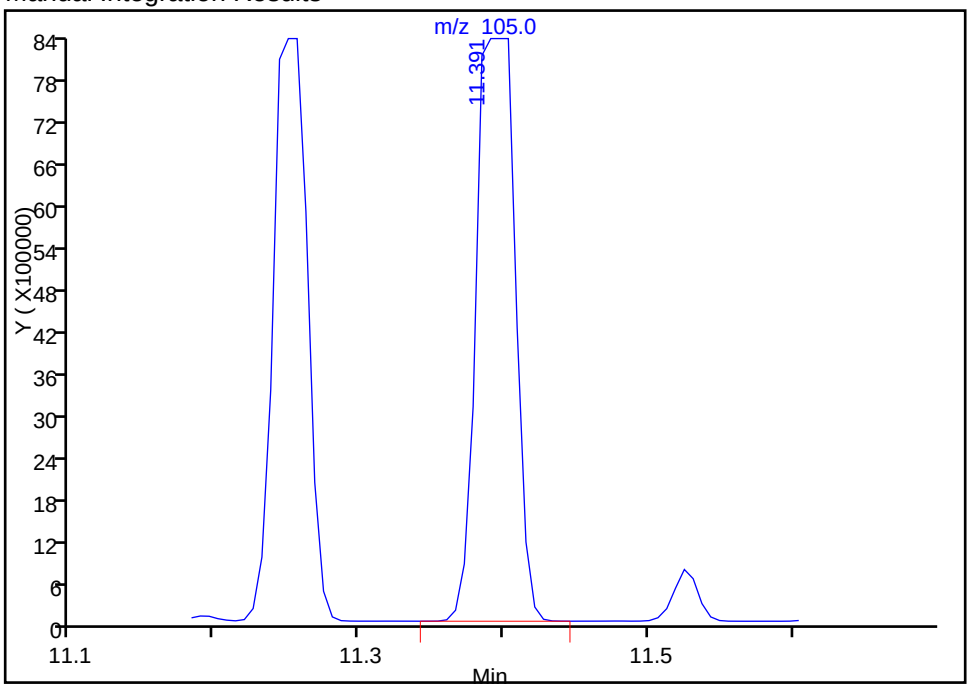
Processing Integration Results

RT: 11.40
Area: 8188482
Amount: 237.0399
Amount Units: ug/l



Manual Integration Results

RT: 11.39
Area: 15734440
Amount: 470.4477
Amount Units: ug/l



Reviewer: baronm, 27-Jul-2016 18:05:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

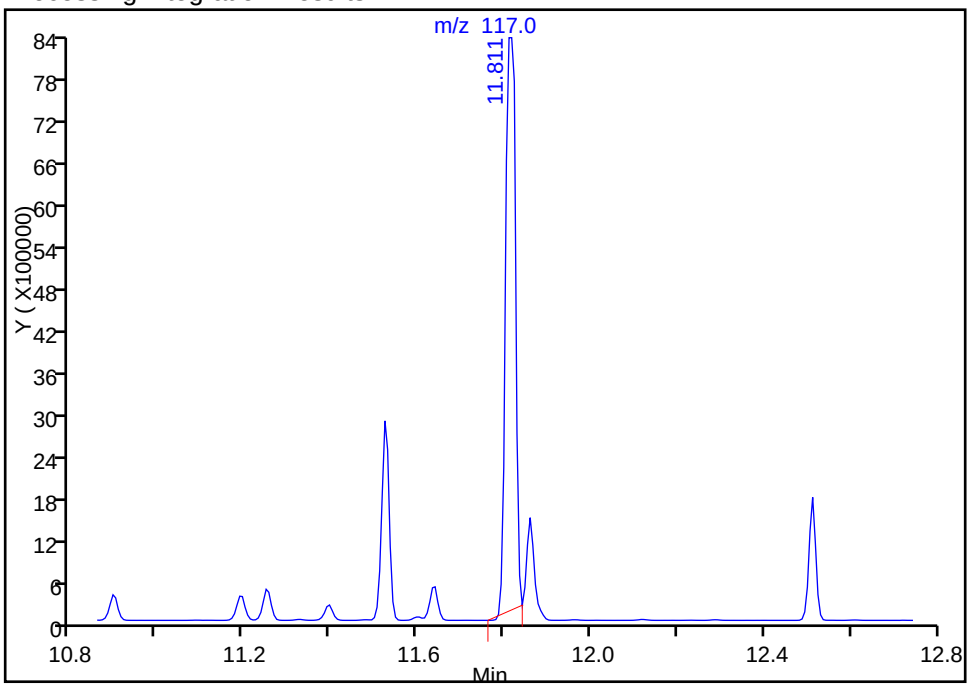
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D
Injection Date: 27-Jul-2016 02:17:30 Instrument ID: CVOAMS9
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 2,3-Dihydroindene, CAS: 496-11-7

Signal: 1

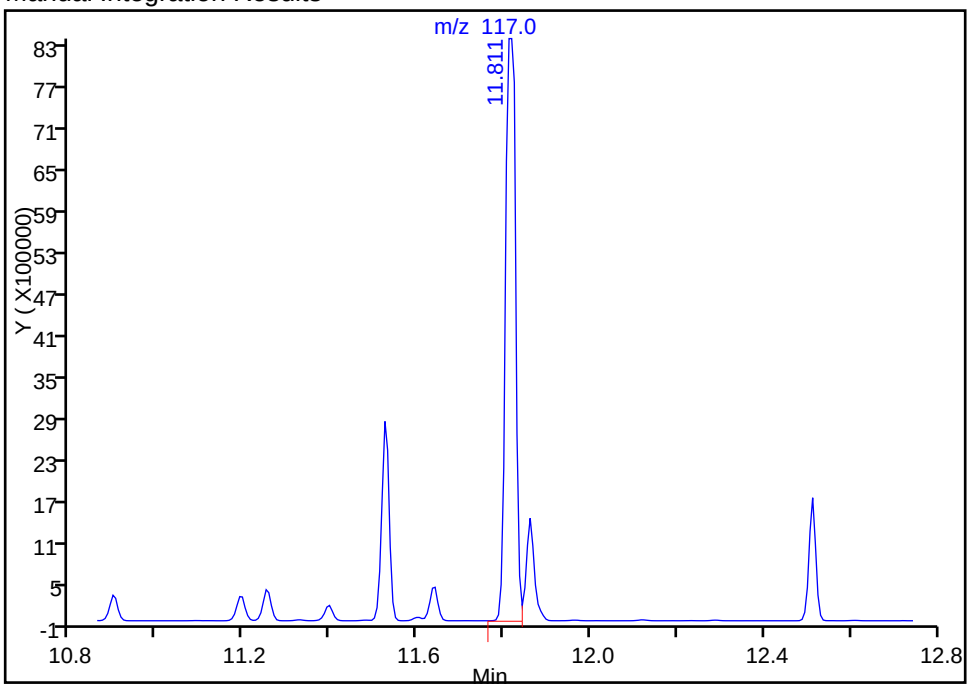
Processing Integration Results

RT: 11.81
Area: 13173519
Amount: 459.4635
Amount Units: ug/l



Manual Integration Results

RT: 11.81
Area: 13768173
Amount: 476.9067
Amount Units: ug/l



Reviewer: baronm, 27-Jul-2016 18:05:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386008/2 Calibration Date: 08/22/2016 08:21

Instrument ID: CVOAMS13 Calib Start Date: 08/18/2016 10:49

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 17:04

Lab File ID: P16394.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1927	0.0960		9.96	20.0	-50.2*	20.0
Dichlorodifluoromethane	Ave	0.6227	0.5274	0.1000	16.9	20.0	-15.3	20.0
Vinyl chloride	Ave	0.5928	0.5770	0.1000	19.5	20.0	-2.7	20.0
Butadiene	Ave	0.4969	0.4628		18.6	20.0	-6.9	20.0
Chloromethane	Ave	0.8414	0.7594	0.1000	18.1	20.0	-9.7	20.0
Bromomethane	Ave	1.356	0.7042	0.1000	10.4	20.0	-48.1	50.0
Chloroethane	Ave	0.2497	0.1968	0.1000	15.8	20.0	-21.2	50.0
Pentane	Ave	2.130	1.416		26.6	40.0	-33.5*	20.0
Trichlorofluoromethane	Ave	0.5232	0.6117	0.1000	23.4	20.0	16.9	20.0
Dichlorofluoromethane	Ave	0.5861	0.7062		24.1	20.0	20.5*	20.0
2-Methyl-1,3-butadiene	Ave	0.6385	0.7534		23.6	20.0	18.0	20.0
Ethyl ether	Ave	0.3986	0.4527		22.7	20.0	13.6	20.0
1,1-Dichloroethene	Ave	0.2878	0.3269	0.1000	22.7	20.0	13.6	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3926	0.4872		24.8	20.0	24.1*	20.0
Ethanol	Ave	0.0758	0.0826		872	800	8.9	50.0
Carbon disulfide	Ave	1.079	1.245	0.1000	23.1	20.0	15.3	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	QuaF		0.2747	0.1000	19.2	20.0	-4.2	20.0
Iodomethane	QuaF		0.0521		4.20	20.0	-79.0*	20.0
Cyclopentene	Ave	0.8474	0.9092		21.5	20.0	7.3	20.0
Acrolein	Ave	1.879	1.730		36.8	40.0	-7.9	50.0
Allyl chloride	Ave	0.1723	0.2007		23.3	20.0	16.5	20.0
Isopropyl alcohol	Ave	0.9322	0.8721		187	200	-6.4	50.0
Methylene Chloride	Ave	0.3259	0.3705	0.1000	22.7	20.0	13.7	20.0
Acetone	Ave	0.8359	0.8211	0.0500	98.2	100	-1.8	50.0
trans-1,2-Dichloroethene	Ave	0.2948	0.3195	0.1000	21.7	20.0	8.4	20.0
Methyl acetate	Ave	0.3426	0.4215	0.1000	123	100	23.1*	20.0
Hexane	QuaF		0.6289		17.6	20.0	-11.8	20.0
Methyl tert-butyl ether	Ave	1.002	1.118	0.1000	22.3	20.0	11.6	20.0
2-Methyl-2-propanol	Qua		1.392		231	200	15.4	50.0
Acetonitrile	Ave	1.714	1.658		194	200	-3.2	20.0
Isopropyl ether	Ave	1.199	1.278		21.3	20.0	6.6	20.0
2-Chloro-1,3-butadiene	Ave	0.2444	0.2600		21.3	20.0	6.4	20.0
1,1-Dichloroethane	Ave	0.5956	0.6092	0.2000	20.5	20.0	2.3	20.0
Acrylonitrile	Ave	0.1627	0.1818		223	200	11.7	20.0
Tert-butyl ethyl ether	Ave	1.056	1.153		21.8	20.0	9.2	20.0
Vinyl acetate	Ave	0.7464	0.8800		47.2	40.0	17.9	20.0
cis-1,2-Dichloroethene	Ave	0.3134	0.3233	0.1000	20.6	20.0	3.2	20.0
2,2-Dichloropropane	Ave	0.3878	0.4649		24.0	20.0	19.9	20.0
Cyclohexane	QuaF		0.4579	0.1000	17.1	20.0	-14.7	50.0
Chlorobromomethane	Ave	0.1309	0.1362		20.8	20.0	4.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386008/2 Calibration Date: 08/22/2016 08:21

Instrument ID: CVOAMS13 Calib Start Date: 08/18/2016 10:49

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 17:04

Lab File ID: P16394.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloroform	Ave	0.4886	0.5372	0.2000	22.0	20.0	9.9	20.0
Carbon tetrachloride	Ave	0.2903	0.3421	0.1000	23.6	20.0	17.8	20.0
Ethyl acetate	Ave	2.600	2.757		42.4	40.0	6.1	20.0
Methyl acrylate	Ave	0.3590	0.3893		21.7	20.0	8.4	20.0
Tetrahydrofuran	Ave	1.058	1.138		43.1	40.0	7.6	20.0
1,1,1-Trichloroethane	Ave	0.3804	0.4319	0.1000	22.7	20.0	13.5	20.0
1,1-Dichloropropene	Ave	0.4064	0.4284		21.1	20.0	5.4	20.0
2-Butanone (MEK)	Ave	0.3232	0.3196	0.0500	98.9	100	-1.1	50.0
2,2,4-Trimethylpentane	QuaF		0.6651		12.5	20.0	-37.7*	20.0
n-Heptane	QuaF		0.1584		12.2	20.0	-38.8*	20.0
Benzene	Ave	1.718	1.935	0.5000	22.5	20.0	12.7	20.0
Propionitrile	Ave	1.685	1.615		192	200	-4.1	20.0
Methacrylonitrile	Ave	0.1527	0.1756		230	200	15.0	20.0
Tert-amyl methyl ether	Ave	0.8858	0.9535		21.5	20.0	7.6	20.0
1,2-Dichloroethane	Ave	0.4151	0.4203	0.1000	20.2	20.0	1.2	20.0
Isobutyl alcohol	Ave	0.4797	0.4693		489	500	-2.2	50.0
Isopropyl acetate	Ave	0.6940	0.7653		22.1	20.0	10.3	20.0
Methylcyclohexane	QuaF		0.3526	0.1000	15.1	20.0	-24.6	50.0
Trichloroethene	Ave	0.2566	0.2726	0.2000	21.2	20.0	6.2	20.0
Dibromomethane	Ave	0.1765	0.1900		21.5	20.0	7.7	20.0
n-Butanol	Ave	0.2788	0.2758		495	500	-1.1	50.0
1,2-Dichloropropane	Ave	0.3099	0.3282	0.1000	21.2	20.0	5.9	20.0
Ethyl acrylate	Ave	0.4545	0.5063		22.3	20.0	11.4	20.0
Dichlorobromomethane	Ave	0.3589	0.3808	0.2000	21.2	20.0	6.1	20.0
Methyl methacrylate	Ave	0.0821	0.0961		46.8	40.0	17.1	20.0
1,4-Dioxane	Ave	1.247	1.318		423	400	5.7	50.0
n-Propyl acetate	Ave	0.5174	0.5625		21.7	20.0	8.7	20.0
2-Chloroethyl vinyl ether	Ave	0.2205	0.2438		22.1	20.0	10.6	20.0
cis-1,3-Dichloropropene	Ave	0.6555	0.7434	0.2000	22.7	20.0	13.4	50.0
Toluene	Ave	1.784	1.877	0.4000	21.0	20.0	5.2	20.0
Epichlorohydrin	Ave	0.2238	0.2528		452	400	12.9	20.0
2-Nitropropane	Ave	0.0740	0.0844		45.6	40.0	14.0	20.0
Tetrachloroethene	Ave	0.3395	0.3835	0.2000	22.6	20.0	12.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.271	2.429	0.0500	107	100	7.0	50.0
trans-1,3-Dichloropropene	Ave	0.6041	0.6703	0.1000	22.2	20.0	11.0	50.0
1,1,2-Trichloroethane	Ave	0.3300	0.3504	0.1000	21.2	20.0	6.2	20.0
Ethyl methacrylate	Ave	0.3869	0.4126		21.3	20.0	6.7	20.0
Chlorodibromomethane	Ave	0.3566	0.3929	0.1000	22.0	20.0	10.2	50.0
1,3-Dichloropropane	Ave	0.6609	0.7306		22.1	20.0	10.6	20.0
Ethylene Dibromide	Ave	0.3602	0.4074	0.1000	22.6	20.0	13.1	20.0
n-Butyl acetate	Ave	0.7889	0.8636		21.9	20.0	9.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386008/2 Calibration Date: 08/22/2016 08:21

Instrument ID: CVOAMS13 Calib Start Date: 08/18/2016 10:49

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 17:04

Lab File ID: P16394.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	1.619	1.646	0.0500	102	100	1.7	50.0
Chlorobenzene	Ave	1.042	1.063	0.5000	20.4	20.0	2.1	20.0
Ethylbenzene	Ave	0.5387	0.5693	0.1000	21.1	20.0	5.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3222	0.3560		22.1	20.0	10.5	20.0
m-Xylene & p-Xylene	Ave	0.6924	0.7080	0.1000	20.4	20.0	2.2	20.0
o-Xylene	Ave	0.6436	0.6603	0.3000	20.5	20.0	2.6	20.0
Bromoform	Ave	0.2314	0.2455	0.1000	21.2	20.0	6.1	20.0
Styrene	Ave	1.031	1.143	0.3000	22.2	20.0	10.8	20.0
n-Butyl acrylate	Qua2		0.3593		21.7	20.0	8.7	20.0
Isopropylbenzene	Ave	1.595	1.694	0.1000	21.2	20.0	6.2	20.0
Amyl acetate (mixed isomers)	Qua2		2.012		21.9	20.0	9.3	20.0
Bromobenzene	Ave	0.8146	0.8619		21.2	20.0	5.8	20.0
N-Propylbenzene	Ave	3.947	4.127		20.9	20.0	4.6	20.0
1,1,2,2-Tetrachloroethane	Ave	1.017	1.125	0.3000	22.1	20.0	10.6	20.0
2-Chlorotoluene	Ave	2.822	2.834		20.1	20.0	0.4	20.0
4-Ethyltoluene	Ave	3.310	3.422		20.7	20.0	3.4	20.0
1,2,3-Trichloropropane	Ave	0.2790	0.3204		23.0	20.0	14.8	20.0
1,3,5-Trimethylbenzene	Ave	2.685	2.762		20.6	20.0	2.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3080	0.3053		19.8	20.0	-0.9	20.0
4-Chlorotoluene	Ave	2.538	2.694		21.2	20.0	6.2	20.0
tert-Butylbenzene	Ave	2.181	2.224		20.4	20.0	1.9	20.0
1,2,4-Trimethylbenzene	Ave	2.779	2.876		20.7	20.0	3.5	20.0
Butyl Methacrylate	Qua2		1.128		23.6	20.0	18.0	20.0
sec-Butylbenzene	Ave	3.283	3.403		20.7	20.0	3.7	20.0
1,3-Dichlorobenzene	Ave	1.578	1.599	0.6000	20.3	20.0	1.3	20.0
4-Isopropyltoluene	Ave	2.778	2.917		21.0	20.0	5.0	20.0
1,4-Dichlorobenzene	Ave	1.624	1.646	0.5000	20.3	20.0	1.4	20.0
Indan	Ave	2.880	2.961		20.6	20.0	2.8	20.0
Benzyl chloride	Qua2		2.560		25.7	20.0	28.6	50.0
p-Diethylbenzene	Ave	1.603	1.618		20.2	20.0	0.9	20.0
n-Butylbenzene	Ave	2.689	2.742		20.4	20.0	2.0	20.0
1,2-Dichlorobenzene	Ave	1.525	1.566	0.4000	20.5	20.0	2.7	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.517	2.679		21.3	20.0	6.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1766	0.1996	0.0500	22.6	20.0	13.0	50.0
1,3,5-Trichlorobenzene	Ave	1.108	1.098		19.8	20.0	-0.9	20.0
1,2,4-Trichlorobenzene	Ave	1.055	0.9675	0.2000	18.3	20.0	-8.3	20.0
Hexachlorobutadiene	Qua2		0.3865		20.5	20.0	2.6	20.0
Naphthalene	Ave	2.487	2.567		20.6	20.0	3.2	50.0
1,2,3-Trichlorobenzene	Ave	1.019	0.9000		17.7	20.0	-11.7	20.0
Dibromofluoromethane (Surr)	Ave	0.1111	0.1131		50.9	50.0	1.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1421	0.1276		44.9	50.0	-10.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386008/2 Calibration Date: 08/22/2016 08:21

Instrument ID: CVOAMS13 Calib Start Date: 08/18/2016 10:49

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 17:04

Lab File ID: P16394.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene-d8 (Surr)	Ave	0.7616	0.7814		51.3	50.0	2.6	20.0
4-Bromofluorobenzene	Ave	0.3610	0.4047		56.0	50.0	12.1	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16394.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Aug-2016 08:21:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0044696-002
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 12:34:20 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: desais Date: 22-Aug-2016 07:45:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.878	0.878	0.000	90	22673	20.0	9.96	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	99	124627	20.0	16.9	
3 Vinyl chloride	62	1.028	1.028	0.000	97	136347	20.0	19.5	
5 Chloromethane	50	1.035	1.035	0.000	75	179450	20.0	18.1	
4 Butadiene	54	1.035	1.035	0.000	93	109362	20.0	18.6	
6 Bromomethane	94	1.193	1.193	0.000	98	27527	20.0	10.4	
7 Chloroethane	64	1.250	1.250	0.000	98	46492	20.0	15.8	
8 Pentane	72	1.315	1.315	0.000	97	25844	40.0	26.6	
9 Trichlorofluoromethane	101	1.315	1.315	0.000	97	144547	20.0	23.4	
10 Dichlorofluoromethane	67	1.350	1.350	0.000	98	166872	20.0	24.1	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	97	178029	20.0	23.6	
12 Ethyl ether	59	1.486	1.486	0.000	95	106963	20.0	22.7	
15 Ethanol	46	1.587	1.587	0.000	33	30149	800.0	871.6	
13 1,1-Dichloroethene	96	1.587	1.587	0.000	96	77244	20.0	22.7	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	88	115122	20.0	24.8	
16 Carbon disulfide	76	1.601	1.601	0.000	100	294161	20.0	23.1	
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	94	64918	20.0	19.2	
18 Iodomethane	142	1.666	1.666	0.000	97	12302	20.0	4.20	
19 Cyclopentene	67	1.751	1.751	0.000	97	214842	20.0	21.5	
20 Acrolein	56	1.773	1.773	0.000	92	31577	40.0	36.8	
21 3-Chloro-1-propene	76	1.845	1.845	0.000	91	47431	20.0	23.3	
22 Isopropyl alcohol	45	1.888	1.888	0.000	97	79607	200.0	187.1	
23 Methylene Chloride	84	1.916	1.916	0.000	99	87536	20.0	22.7	
24 Acetone	43	1.945	1.945	0.000	87	160492	100.0	98.2	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	98	75505	20.0	21.7	
26 Methyl acetate	43	2.017	2.017	0.000	100	498030	100.0	123.1	M
27 Hexane	57	2.052	2.052	0.000	94	148604	20.0	17.6	
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	97	264213	20.0	22.3	
* 29 TBA-d9 (IS)	65	2.110	2.110	0.000	99	456390	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.160	2.160	0.000	98	127088	200.0	230.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	2.224	2.224	0.000	100	151372	200.0	193.6	
32 Isopropyl ether	45	2.310	2.310	0.000	97	301964	20.0	21.3	
34 2-Chloro-1,3-butadiene	88	2.368	2.368	0.000	93	61439	20.0	21.3	
35 1,1-Dichloroethane	63	2.382	2.382	0.000	100	143947	20.0	20.5	
33 Acrylonitrile	53	2.418	2.418	0.000	95	429526	200.0	223.4	
36 Tert-butyl ethyl ether	59	2.554	2.554	0.000	88	272473	20.0	21.8	
37 Vinyl acetate	43	2.554	2.554	0.000	100	415884	40.0	47.2	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	94	76392	20.0	20.6	
39 2,2-Dichloropropane	77	2.812	2.812	0.000	97	109862	20.0	24.0	
40 Cyclohexane	56	2.876	2.876	0.000	94	108193	20.0	17.1	
41 Chlorobromomethane	128	2.883	2.883	0.000	94	32194	20.0	20.8	
42 Chloroform	83	2.941	2.941	0.000	98	126930	20.0	22.0	
43 Carbon tetrachloride	117	3.034	3.034	0.000	98	80831	20.0	23.6	
45 Ethyl acetate	43	3.048	3.048	0.000	98	215558	40.0	42.4	
44 Methyl acrylate	55	3.048	3.048	0.000	57	91993	20.0	21.7	
46 Tetrahydrofuran	42	3.055	3.055	0.000	94	89012	40.0	43.1	
$ 47 Dibromofluoromethane (Surr	113	3.077	3.077	0.000	95	66825	50.0	50.9	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	97	102058	20.0	22.7	
* 49 2-Butanone-d5	46	3.141	3.141	0.000	99	488651	250.0	250.0	
50 2-Butanone (MEK)	72	3.177	3.177	0.000	99	62474	100.0	98.9	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	70	101234	20.0	21.1	
53 Isooctane	57	3.263	3.263	0.000	99	157167	20.0	12.5	
54 n-Heptane	57	3.356	3.356	0.000	94	37437	20.0	12.2	
55 Benzene	78	3.370	3.370	0.000	96	300744	20.0	22.5	
51 Propionitrile	54	3.399	3.399	0.000	98	147439	200.0	191.8	
56 Methacrylonitrile	67	3.413	3.413	0.000	93	414896	200.0	230.0	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	96	75385	50.0	44.9	
57 Tert-amyl methyl ether	73	3.485	3.485	0.000	98	225307	20.0	21.5	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	96	99311	20.0	20.2	
60 Isobutyl alcohol	43	3.614	3.614	0.000	96	107085	500.0	489.1	
136 t-Amyl alcohol	59	3.686	3.686	0.000	91	73958	200.0	228.0	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	590743	50.0	50.0	
62 Isopropyl acetate	43	3.786	3.786	0.000	98	180844	20.0	22.1	
63 Methylcyclohexane	83	3.850	3.850	0.000	95	83328	20.0	15.1	
64 Trichloroethene	130	3.865	3.865	0.000	96	64412	20.0	21.2	
137 2-ethoxy-2-methyl butane	59	4.115	4.115	0.000	96	183620	20.0	21.3	
65 Dibromomethane	93	4.237	4.237	0.000	95	44900	20.0	21.5	
66 n-Butanol	56	4.251	4.251	0.000	88	62946	500.0	494.7	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	91	77562	20.0	21.2	
68 Ethyl acrylate	55	4.409	4.409	0.000	98	119628	20.0	22.3	
69 Dichlorobromomethane	83	4.416	4.416	0.000	98	89980	20.0	21.2	
70 Methyl methacrylate	100	4.610	4.610	0.000	91	45397	40.0	46.8	
* 72 1,4-Dioxane-d8	96	4.610	4.610	0.000	76	39261	1000.0	1000.0	
71 1,4-Dioxane	88	4.645	4.645	0.000	96	20699	400.0	422.8	
73 n-Propyl acetate	43	4.774	4.774	0.000	99	132917	20.0	21.7	
74 2-Chloroethyl vinyl ether	63	5.032	5.032	0.000	97	57618	20.0	22.1	
75 cis-1,3-Dichloropropene	75	5.068	5.068	0.000	94	115533	20.0	22.7	
$ 76 Toluene-d8 (Surr)	98	5.269	5.269	0.000	99	303614	50.0	51.3	
77 Toluene	91	5.319	5.319	0.000	93	291643	20.0	21.0	
78 Epichlorohydrin	57	5.355	5.355	0.000	99	197636	400.0	451.8	
79 2-Nitropropane	41	5.577	5.577	0.000	98	39883	40.0	45.6	
80 Tetrachloroethene	166	5.748	5.748	0.000	97	59594	20.0	22.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
81 4-Methyl-2-pentanone (MIBK	43	5.799	5.799	0.000	98	474726	100.0	107.0	
82 trans-1,3-Dichloropropene	75	5.827	5.827	0.000	98	104172	20.0	22.2	
83 1,1,2-Trichloroethane	83	5.999	5.999	0.000	95	54455	20.0	21.2	
84 Ethyl methacrylate	69	6.085	6.085	0.000	89	97492	20.0	21.3	
85 Chlorodibromomethane	129	6.200	6.200	0.000	98	61059	20.0	22.0	
86 1,3-Dichloropropane	76	6.322	6.322	0.000	94	113548	20.0	22.1	
87 Ethylene Dibromide	107	6.450	6.450	0.000	98	63307	20.0	22.6	
88 n-Butyl acetate	43	6.794	6.794	0.000	98	134210	20.0	21.9	
89 2-Hexanone	43	6.859	6.859	0.000	99	321819	100.0	101.7	
* 90 Chlorobenzene-d5	117	7.145	7.145	0.000	89	388529	50.0	50.0	
91 Chlorobenzene	112	7.167	7.167	0.000	92	165275	20.0	20.4	
92 Ethylbenzene	106	7.253	7.253	0.000	99	88468	20.0	21.1	
93 1,1,1,2-Tetrachloroethane	131	7.281	7.281	0.000	92	55325	20.0	22.1	
94 m-Xylene & p-Xylene	106	7.468	7.468	0.000	97	110023	20.0	20.4	
95 o-Xylene	106	8.062	8.062	0.000	92	102615	20.0	20.5	
96 Bromoform	173	8.127	8.127	0.000	95	38155	20.0	21.2	
97 Styrene	104	8.141	8.141	0.000	94	177572	20.0	22.2	
98 n-Butyl acrylate	73	8.470	8.470	0.000	96	55836	20.0	21.7	
99 Isopropylbenzene	105	8.549	8.549	0.000	96	263335	20.0	21.2	
100 Amyl acetate (mixed isomer	43	8.886	8.886	0.000	89	155687	20.0	21.9	
$ 101 4-Bromofluorobenzene	174	8.922	8.922	0.000	86	157240	50.0	56.0	
102 Bromobenzene	156	9.036	9.036	0.000	97	66681	20.0	21.2	
103 N-Propylbenzene	91	9.180	9.180	0.000	98	319293	20.0	20.9	
104 1,1,2,2-Tetrachloroethane	83	9.330	9.330	0.000	98	87054	20.0	22.1	
105 2-Chlorotoluene	91	9.359	9.359	0.000	96	219232	20.0	20.1	
106 4-Ethyltoluene	105	9.373	9.373	0.000	98	264777	20.0	20.7	
107 1,2,3-Trichloropropane	110	9.466	9.466	0.000	97	24785	20.0	23.0	
108 1,3,5-Trimethylbenzene	105	9.531	9.531	0.000	93	213679	20.0	20.6	
109 trans-1,4-Dichloro-2-buten	53	9.588	9.588	0.000	84	23621	20.0	19.8	
110 4-Chlorotoluene	91	9.624	9.624	0.000	98	208437	20.0	21.2	
111 tert-Butylbenzene	119	10.003	10.003	0.000	93	172060	20.0	20.4	
112 Butyl Methacrylate	87	10.132	10.132	0.000	94	87241	20.0	23.6	
118 1,2,4-Trimethylbenzene	105	10.132	10.132	0.000	95	222474	20.0	20.7	
113 sec-Butylbenzene	105	10.290	10.290	0.000	99	263269	20.0	20.7	
114 1,3-Dichlorobenzene	146	10.555	10.555	0.000	95	123671	20.0	20.3	
115 4-Isopropyltoluene	119	10.569	10.569	0.000	98	225647	20.0	21.0	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	96	193410	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.712	10.712	0.000	94	127310	20.0	20.3	
119 2,3-Dihydroindene	117	10.999	10.999	0.000	94	229072	20.0	20.6	
120 Benzyl chloride	91	11.164	11.164	0.000	96	198030	20.0	25.7	
121 p-Diethylbenzene	119	11.185	11.185	0.000	92	125180	20.0	20.2	
122 n-Butylbenzene	91	11.257	11.257	0.000	98	212165	20.0	20.4	
123 1,2-Dichlorobenzene	146	11.357	11.357	0.000	95	121182	20.0	20.5	
124 1,2,4,5-Tetramethylbenzene	119	12.253	12.253	0.000	97	207253	20.0	21.3	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	93	15440	20.0	22.6	
126 1,3,5-Trichlorobenzene	180	12.439	12.439	0.000	96	84970	20.0	19.8	
127 1,2,4-Trichlorobenzene	180	13.105	13.105	0.000	94	74851	20.0	18.3	
128 Hexachlorobutadiene	225	13.119	13.119	0.000	93	29900	20.0	20.5	
129 Naphthalene	128	13.399	13.399	0.000	99	198558	20.0	20.6	
130 1,2,3-Trichlorobenzene	180	13.571	13.571	0.000	96	69626	20.0	17.7	
S 131 1,2-Dichloroethene, Total	100				0		40.0	42.3	
S 134 1,3-Dichloropropene, Total	100				0		40.0	44.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 132 Xylenes, Total	100				0		40.0	41.0	
S 133 Total BTEX	1				0		100.0	105.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00167	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	20.00	Units: uL	
ACROLEIN W_00055	Amount Added:	4.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Aug-2016 12:34:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16394.D

Injection Date: 22-Aug-2016 08:21:30 Instrument ID: CVOAMS13 Operator ID:

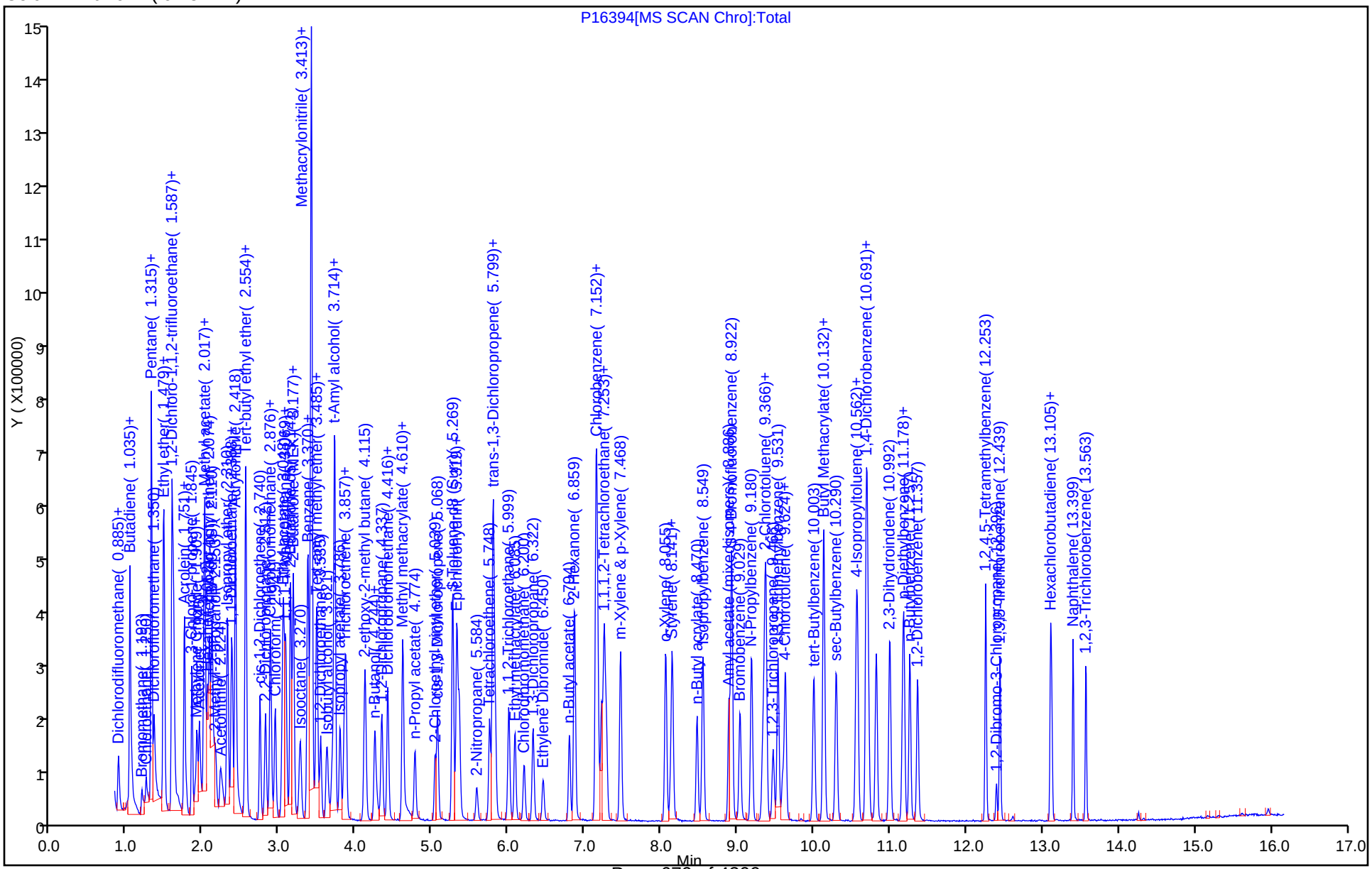
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

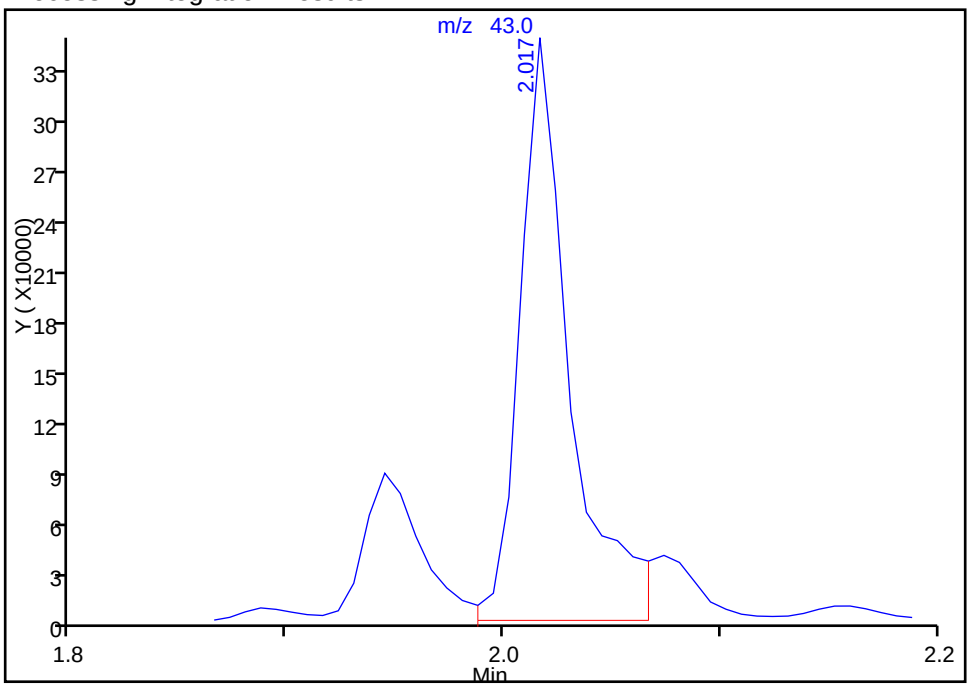
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16394.D
Injection Date: 22-Aug-2016 08:21:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

26 Methyl acetate, CAS: 79-20-9

Signal: 1

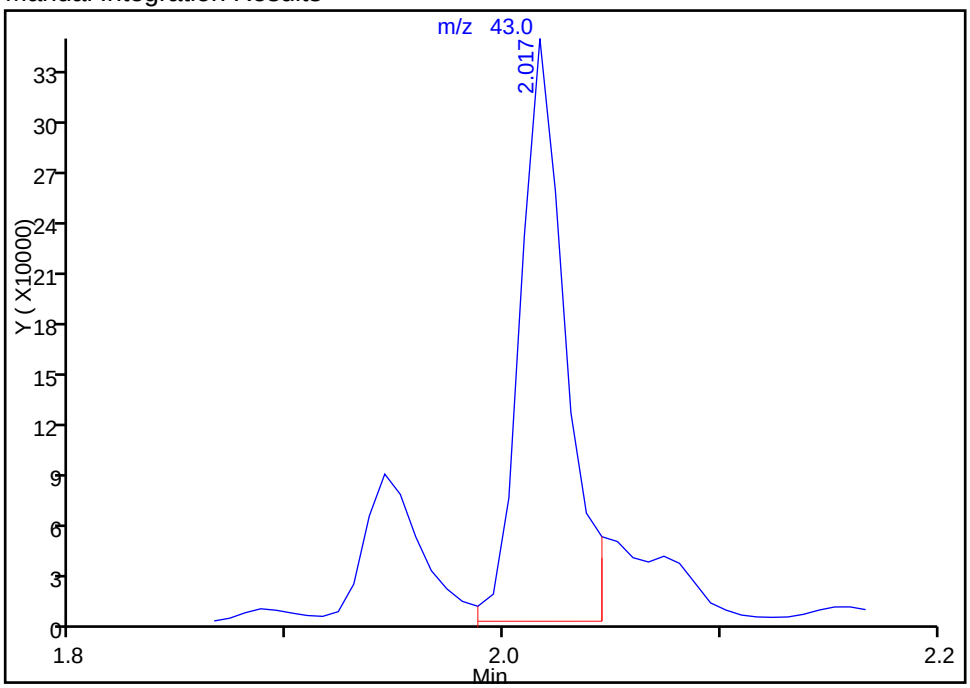
Processing Integration Results

RT: 2.02
Area: 549433
Amount: 135.7533
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 498030
Amount: 123.0527
Amount Units: ug/l



Reviewer: delpolitov, 22-Aug-2016 12:34:19
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385950/2 Calibration Date: 08/21/2016 06:17

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25135a.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	QuaF		0.1978		23.0	20.0	14.9	20.0
Dichlorodifluoromethane	Ave	0.4259	0.4156	0.1000	19.5	20.0	-2.4	20.0
Chloromethane	Ave	0.4050	0.4268	0.1000	21.1	20.0	5.4	20.0
Vinyl chloride	Ave	0.2963	0.2789	0.1000	18.8	20.0	-5.9	20.0
Butadiene	Ave	0.1765	0.2220		25.1	20.0	25.7*	20.0
Bromomethane	Ave	0.3011	0.2667	0.1000	17.7	20.0	-11.4	50.0
Chloroethane	Ave	0.1869	0.1738	0.1000	18.6	20.0	-7.0	50.0
Dichlorofluoromethane	Ave	0.4898	0.4856		19.8	20.0	-0.9	20.0
Trichlorofluoromethane	Ave	0.4161	0.3768	0.1000	18.1	20.0	-9.4	20.0
Pentane	Ave	0.0570	0.0740		52.0	40.0	29.9*	20.0
Ethanol	Lin2		0.0754		853	800	6.6	50.0
Ethyl ether	Ave	0.2778	0.3196		23.0	20.0	15.0	20.0
2-Methyl-1,3-butadiene	Ave	0.3007	0.3762		25.0	20.0	25.1*	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2204	0.2385		21.6	20.0	8.2	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Qua2		0.2052	0.1000	21.4	20.0	6.8	20.0
Acrolein	Ave	1.717	1.629		285	300	-5.1	50.0
1,1-Dichloroethene	Ave	0.2970	0.3171	0.1000	21.4	20.0	6.8	20.0
Acetone	Lin2		0.8443	0.0500	88.9	100	-11.1	50.0
Iodomethane	Ave	0.6311	0.5811		18.4	20.0	-7.9	20.0
Carbon disulfide	Ave	1.101	1.197	0.1000	21.7	20.0	8.7	50.0
Isopropyl alcohol	Ave	0.9438	0.9568		203	200	1.4	50.0
Allyl chloride	Ave	0.2422	0.2563		21.2	20.0	5.8	20.0
Cyclopentene	Ave	0.7999	1.023		25.6	20.0	27.8*	20.0
Methyl acetate	Ave	0.2463	0.2796	0.1000	114	100	13.5	20.0
Acetonitrile	Ave	1.655	1.536		186	200	-7.2	20.0
Methylene Chloride	Ave	0.3921	0.3916	0.1000	20.0	20.0	-0.1	20.0
TBA	Ave	1.448	1.334		184	200	-7.9	50.0
Methyl tert-butyl ether	Ave	0.7608	0.8656	0.1000	22.8	20.0	13.8	20.0
trans-1,2-Dichloroethene	Ave	0.3724	0.3914	0.1000	21.0	20.0	5.1	20.0
Acrylonitrile	Ave	4.474	4.564		204	200	2.0	20.0
Hexane	Ave	0.4834	0.6596		27.3	20.0	36.5*	20.0
Isopropyl ether	Ave	1.073	1.334		24.9	20.0	24.3*	20.0
1,1-Dichloroethane	Ave	0.6623	0.7638	0.2000	23.1	20.0	15.3	20.0
Vinyl acetate	Ave	0.0528	0.0539		40.8	40.0	2.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3047	0.3477		22.8	20.0	14.1	20.0
Tert-butyl ethyl ether	Ave	0.8873	1.064		24.0	20.0	19.9	20.0
2,2-Dichloropropane	Ave	0.1437	0.1644		22.9	20.0	14.4	20.0
cis-1,2-Dichloroethene	Ave	0.4017	0.4153	0.1000	20.7	20.0	3.4	20.0
2-Butanone (MEK)	Ave	0.3554	0.3159	0.0500	88.9	100	-11.1	50.0
Ethyl acetate	Ave	0.3030	0.2741		36.2	40.0	-9.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385950/2 Calibration Date: 08/21/2016 06:17

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25135a.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl acrylate	Ave	0.2482	0.2746		22.1	20.0	10.7	20.0
Propionitrile	Ave	0.0433	0.0485		224	200	12.2	20.0
Chlorobromomethane	Ave	0.1994	0.1891		19.0	20.0	-5.2	20.0
Tetrahydrofuran	Ave	0.4066	0.3642		35.8	40.0	-10.4	20.0
Methacrylonitrile	Ave	0.1153	0.1292		224	200	12.1	20.0
Chloroform	Ave	0.6371	0.6683	0.2000	21.0	20.0	4.9	20.0
Cyclohexane	Qua2		0.6801	0.1000	24.6	20.0	22.9	50.0
1,1,1-Trichloroethane	Ave	0.5014	0.5338	0.1000	21.3	20.0	6.4	20.0
Carbon tetrachloride	Ave	0.4627	0.4818	0.1000	20.8	20.0	4.1	20.0
1,1-Dichloropropene	Ave	0.4633	0.5356		23.1	20.0	15.6	20.0
Isobutyl alcohol	Ave	0.8628	0.9931		575	500	15.1	50.0
Benzene	Ave	1.796	1.921	0.5000	21.4	20.0	7.0	20.0
Isopropyl acetate	Ave	0.9517	1.109		23.3	20.0	16.5	20.0
Tert-amyl methyl ether	Ave	1.041	1.194		22.9	20.0	14.6	20.0
1,2-Dichloroethane	Ave	0.4465	0.4656	0.1000	20.9	20.0	4.3	20.0
n-Heptane	Ave	0.2690	0.3671		27.3	20.0	36.4*	20.0
n-Butanol	Ave	0.3262	0.3330		510	500	2.1	50.0
Trichloroethene	Ave	0.3436	0.3514	0.2000	20.5	20.0	2.3	20.0
Methylcyclohexane	Ave	0.5405	0.7116	0.1000	26.3	20.0	31.6	50.0
Ethyl acrylate	Ave	0.0224	0.0251		22.4	20.0	12.0	20.0
1,2-Dichloropropane	Ave	0.3245	0.3740	0.1000	23.0	20.0	15.2	20.0
Methyl methacrylate	Ave	0.0760	0.0756		39.8	40.0	-0.5	20.0
1,4-Dioxane	Ave	1.493	1.436		385	400	-3.8	50.0
Dibromomethane	Ave	0.2092	0.2089		20.0	20.0	-0.1	20.0
n-Propyl acetate	Ave	0.4120	0.4805		23.3	20.0	16.6	20.0
Dichlorobromomethane	Ave	0.4217	0.4285	0.2000	20.3	20.0	1.6	20.0
2-Nitropropane	Ave	0.0653	0.0616		37.7	40.0	-5.7	20.0
2-Chloroethyl vinyl ether	Ave	0.1518	0.1788		23.5	20.0	17.7	20.0
Epichlorohydrin	Ave	0.2756	0.2631		382	400	-4.5	20.0
cis-1,3-Dichloropropene	Ave	0.6028	0.6973	0.2000	23.1	20.0	15.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.005	2.998	0.0500	99.8	100	-0.2	50.0
Toluene	Ave	1.881	1.930	0.4000	20.5	20.0	2.6	20.0
trans-1,3-Dichloropropene	Ave	0.5109	0.5747	0.1000	22.5	20.0	12.5	50.0
Ethyl methacrylate	Ave	0.3381	0.3677		21.8	20.0	8.8	20.0
1,1,2-Trichloroethane	Ave	0.3087	0.3155	0.1000	20.4	20.0	2.2	20.0
Tetrachloroethene	Ave	0.5350	0.4820	0.2000	18.0	20.0	-9.9	20.0
1,3-Dichloropropane	Ave	0.5564	0.6384		22.9	20.0	14.7	20.0
2-Hexanone	Ave	1.915	1.935	0.0500	101	100	1.1	50.0
n-Butyl acetate	Ave	0.0951	0.1076		22.6	20.0	13.1	20.0
Chlorodibromomethane	Ave	0.4333	0.3981	0.1000	18.4	20.0	-8.1	50.0
Ethylene Dibromide	Ave	0.3606	0.3534	0.1000	19.6	20.0	-2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385950/2 Calibration Date: 08/21/2016 06:17

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25135a.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	1.153	1.203	0.5000	20.9	20.0	4.4	20.0
Ethylbenzene	Ave	0.6205	0.6771	0.1000	21.8	20.0	9.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4581	0.4405		19.2	20.0	-3.8	20.0
m-Xylene & p-Xylene	Ave	0.7668	0.8265	0.1000	21.6	20.0	7.8	20.0
n-Butyl acrylate	Ave	0.2614	0.2897		22.2	20.0	10.8	20.0
o-Xylene	Ave	0.7697	0.8560	0.3000	22.2	20.0	11.2	20.0
Styrene	Ave	1.182	1.304	0.3000	22.1	20.0	10.3	20.0
Amyl acetate (mixed isomers)	Ave	1.299	1.542		23.7	20.0	18.7	20.0
Bromoform	Ave	0.2977	0.2409	0.1000	16.2	20.0	-19.1	20.0
Isopropylbenzene	Ave	2.004	2.264	0.1000	22.6	20.0	13.0	20.0
Bromobenzene	Ave	1.066	0.9319		17.5	20.0	-12.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9249	0.9474	0.3000	20.5	20.0	2.4	20.0
N-Propylbenzene	Ave	4.709	5.069		21.5	20.0	7.6	20.0
1,2,3-Trichloropropane	Ave	0.2754	0.2680		19.5	20.0	-2.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2662	0.2877		21.6	20.0	8.1	20.0
4-Ethyltoluene	Ave	3.827	4.159		21.7	20.0	8.7	20.0
2-Chlorotoluene	Ave	3.193	3.358		21.0	20.0	5.2	20.0
1,3,5-Trimethylbenzene	Ave	3.365	3.465		20.6	20.0	3.0	20.0
4-Chlorotoluene	Ave	2.726	2.874		21.1	20.0	5.4	20.0
Butyl Methacrylate	Ave	0.9885	1.034		20.9	20.0	4.6	20.0
tert-Butylbenzene	Ave	2.529	2.702		21.4	20.0	6.8	20.0
1,2,4-Trimethylbenzene	Ave	3.057	3.549		23.2	20.0	16.1	20.0
sec-Butylbenzene	Ave	3.584	4.531		25.3	20.0	26.4*	20.0
4-Isopropyltoluene	Ave	3.287	3.857		23.5	20.0	17.3	20.0
1,3-Dichlorobenzene	Ave	1.797	1.811	0.6000	20.2	20.0	0.8	20.0
1,4-Dichlorobenzene	Ave	1.824	1.817	0.5000	19.9	20.0	-0.4	20.0
Benzyl chloride	Ave	0.2969	0.3040		20.5	20.0	2.4	50.0
Indan	QuaF		1.506		24.6	20.0	22.9*	20.0
p-Diethylbenzene	Ave	2.001	2.378		23.8	20.0	18.8	20.0
n-Butylbenzene	Ave	1.742	2.120		24.3	20.0	21.7*	20.0
1,2-Dichlorobenzene	Ave	1.816	1.769	0.4000	19.5	20.0	-2.6	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.051	3.551		23.3	20.0	16.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2020	0.1870	0.0500	18.5	20.0	-7.4	50.0
1,3,5-Trichlorobenzene	Ave	1.563	1.570		20.1	20.0	0.4	20.0
1,2,4-Trichlorobenzene	Ave	1.527	1.426	0.2000	18.7	20.0	-6.6	20.0
Hexachlorobutadiene	Ave	0.8098	0.7525		18.6	20.0	-7.1	20.0
Naphthalene	Ave	3.013	3.067		20.4	20.0	1.8	50.0
1,2,3-Trichlorobenzene	Ave	1.526	1.345		17.6	20.0	-11.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2985	0.2890		48.4	50.0	-3.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3010	0.3105		51.6	50.0	3.2	20.0
Toluene-d8 (Surr)	Ave	1.363	1.367		50.2	50.0	0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385950/2 Calibration Date: 08/21/2016 06:17

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25135a.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene	Ave	0.8671	0.7311		42.2	50.0	-15.7	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25135a.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Aug-2016 06:17:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0044684-002
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 10:53:33 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: martineze Date: 22-Aug-2016 10:53:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.497	1.497	0.000	44	40143	20.0	23.0	
2 Dichlorodifluoromethane	85	1.533	1.533	0.000	98	84352	20.0	19.5	
3 Chloromethane	50	1.759	1.759	0.000	99	86626	20.0	21.1	
4 Vinyl chloride	62	1.832	1.832	0.000	98	56599	20.0	18.8	
5 Butadiene	54	1.869	1.869	0.000	95	45047	20.0	25.1	
6 Bromomethane	94	2.186	2.186	0.000	97	54130	20.0	17.7	
7 Chloroethane	64	2.289	2.289	0.000	99	35283	20.0	18.6	
8 Dichlorofluoromethane	67	2.509	2.509	0.000	96	98565	20.0	19.8	
9 Trichlorofluoromethane	101	2.515	2.515	0.000	77	76480	20.0	18.1	
10 Pentane	72	2.570	2.570	0.000	96	30051	40.0	52.0	
12 Ethanol	46	2.807	2.807	0.000	83	17521	800.0	852.6	
11 Ethyl ether	59	2.813	2.813	0.000	92	64864	20.0	23.0	
13 2-Methyl-1,3-butadiene	53	2.826	2.826	0.000	96	76359	20.0	25.0	
14 1,2-Dichloro-1,1,2-trifluo	117	2.874	2.874	0.000	97	48409	20.0	21.6	
15 1,1,2-Trichloro-1,2,2-trif	101	3.009	3.009	0.000	94	41655	20.0	21.4	
16 Acrolein	56	3.015	3.015	0.000	96	142043	300.0	284.6	
17 1,1-Dichloroethene	96	3.045	3.045	0.000	94	64369	20.0	21.4	
18 Acetone	43	3.173	3.173	0.000	87	102742	100.0	88.9	
19 Iodomethane	142	3.222	3.222	0.000	99	117937	20.0	18.4	
20 Carbon disulfide	76	3.258	3.258	0.000	100	242853	20.0	21.7	
21 Isopropyl alcohol	45	3.307	3.307	0.000	99	55622	200.0	202.8	
22 3-Chloro-1-propene	76	3.441	3.441	0.000	87	52019	20.0	21.2	
23 Cyclopentene	67	3.454	3.454	0.000	95	207552	20.0	25.6	
24 Methyl acetate	43	3.466	3.466	0.000	100	283754	100.0	113.5	
25 Acetonitrile	41	3.539	3.539	0.000	99	89315	200.0	185.7	
26 Methylene Chloride	84	3.594	3.594	0.000	98	79481	20.0	20.0	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	39	290663	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.710	3.710	0.000	98	77536	200.0	184.3	
29 Methyl tert-butyl ether	73	3.795	3.795	0.000	97	175678	20.0	22.8	
30 trans-1,2-Dichloroethene	96	3.819	3.819	0.000	99	79443	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.917	3.917	0.000	94	265296	200.0	204.0	
32 Hexane	57	4.014	4.014	0.000	94	133879	20.0	27.3	
33 Isopropyl ether	45	4.283	4.283	0.000	97	270748	20.0	24.9	
34 1,1-Dichloroethane	63	4.307	4.307	0.000	99	155029	20.0	23.1	
35 Vinyl acetate	86	4.338	4.338	0.000	100	21880	40.0	40.8	
36 2-Chloro-1,3-butadiene	88	4.362	4.362	0.000	92	70565	20.0	22.8	
37 Tert-butyl ethyl ether	59	4.667	4.667	0.000	89	215958	20.0	24.0	
* 38 2-Butanone-d5	46	4.905	4.905	0.000	0	304209	250.0	250.0	
39 2,2-Dichloropropane	79	4.905	4.905	0.000	65	33359	20.0	22.9	
40 cis-1,2-Dichloroethene	96	4.941	4.941	0.000	95	84287	20.0	20.7	
41 2-Butanone (MEK)	72	4.972	4.972	0.000	96	38441	100.0	88.9	
42 Ethyl acetate	70	4.984	4.984	0.000	95	13341	40.0	36.2	
43 Methyl acrylate	55	5.045	5.045	0.000	99	55740	20.0	22.1	
44 Propionitrile	54	5.136	5.136	0.000	98	98487	200.0	224.3	
45 Tetrahydrofuran	72	5.215	5.215	0.000	54	17728	40.0	35.8	
46 Chlorobromomethane	128	5.215	5.215	0.000	98	38383	20.0	19.0	
47 Methacrylonitrile	67	5.252	5.252	0.000	95	262250	200.0	224.1	
48 Chloroform	83	5.289	5.289	0.000	98	135646	20.0	21.0	
49 Cyclohexane	56	5.429	5.429	0.000	95	138033	20.0	24.6	
50 1,1,1-Trichloroethane	97	5.453	5.453	0.000	98	108332	20.0	21.3	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.478	0.000	96	146631	50.0	48.4	
52 Carbon tetrachloride	117	5.600	5.600	0.000	97	97785	20.0	20.8	
53 1,1-Dichloropropene	75	5.636	5.636	0.000	96	108702	20.0	23.1	
54 Isobutyl alcohol	43	5.831	5.831	0.000	92	144328	500.0	575.5	
55 Benzene	78	5.874	5.874	0.000	96	287883	20.0	21.4	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	157567	50.0	51.6	
57 Tert-amyl methyl ether	73	5.971	5.971	0.000	92	242317	20.0	22.9	
58 Isopropyl acetate	43	5.971	5.971	0.000	97	225033	20.0	23.3	
59 1,2-Dichloroethane	62	5.996	5.996	0.000	97	94499	20.0	20.9	
60 n-Heptane	57	6.087	6.087	0.000	96	74502	20.0	27.3	
* 61 Fluorobenzene	96	6.234	6.234	0.000	98	507410	50.0	50.0	
62 n-Butanol	56	6.642	6.642	0.000	90	48394	500.0	510.5	
63 Trichloroethene	95	6.666	6.666	0.000	98	71328	20.0	20.5	
64 Methylcyclohexane	83	6.813	6.813	0.000	95	144424	20.0	26.3	
65 Ethyl acrylate	73	6.837	6.837	0.000	96	5089	20.0	22.4	
66 1,2-Dichloropropane	63	7.002	7.002	0.000	91	75898	20.0	23.0	
* 67 1,4-Dioxane-d8	96	7.063	7.063	0.000	0	26335	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.105	0.000	93	30690	40.0	39.8	
69 1,4-Dioxane	88	7.130	7.130	0.000	43	15123	400.0	384.7	
70 Dibromomethane	93	7.136	7.136	0.000	97	42399	20.0	20.0	
71 n-Propyl acetate	43	7.166	7.166	0.000	100	97533	20.0	23.3	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	86964	20.0	20.3	
73 2-Nitropropane	41	7.630	7.630	0.000	80	24987	40.0	37.7	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	88	36281	20.0	23.5	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	128037	400.0	381.8	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	93	104467	20.0	23.1	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	364802	100.0	99.8	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	99	512011	50.0	50.2	
79 Toluene	91	8.050	8.050	0.000	93	289225	20.0	20.5	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	97	86102	20.0	22.5	
81 Ethyl methacrylate	69	8.361	8.361	0.000	93	74638	20.0	21.8	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	94	47266	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.532	8.532	0.000	95	72219	20.0	18.0	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	95	95651	20.0	22.9	
85 2-Hexanone	43	8.696	8.696	0.000	98	235504	100.0	101.1	
86 n-Butyl acetate	73	8.776	8.776	0.000	99	16120	20.0	22.6	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	59652	20.0	18.4	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	52942	20.0	19.6	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	374567	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	94	180308	20.0	20.9	
91 Ethylbenzene	106	9.379	9.379	0.000	99	101450	20.0	21.8	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	66002	20.0	19.2	
93 m-Xylene & p-Xylene	106	9.477	9.477	0.000	98	123827	20.0	21.6	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	43402	20.0	22.2	
95 o-Xylene	106	9.794	9.794	0.000	93	128246	20.0	22.2	
96 Styrene	104	9.812	9.812	0.000	94	195399	20.0	22.1	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	125649	20.0	23.7	
98 Bromoform	173	9.983	9.983	0.000	95	36089	20.0	16.2	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	339277	20.0	22.6	
$ 100 4-Bromofluorobenzene	174	10.221	10.221	0.000	89	148954	50.0	42.2	
101 Bromobenzene	156	10.330	10.330	0.000	98	75942	20.0	17.5	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	77208	20.0	20.5	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	413054	20.0	21.5	
104 1,2,3-Trichloropropane	110	10.391	10.391	0.000	96	21843	20.0	19.5	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	80	23448	20.0	21.6	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	338894	20.0	21.7	
107 2-Chlorotoluene	91	10.458	10.458	0.000	96	273685	20.0	21.0	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	282397	20.0	20.6	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	234216	20.0	21.1	
110 Butyl Methacrylate	87	10.556	10.556	0.000	95	84257	20.0	20.9	
111 tert-Butylbenzene	119	10.733	10.733	0.000	93	220220	20.0	21.4	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	289234	20.0	23.2	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	369272	20.0	25.3	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	97	314326	20.0	23.5	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	95	147617	20.0	20.2	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	203735	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	94	148083	20.0	19.9	
118 Benzyl chloride	126	11.178	11.178	0.000	98	24771	20.0	20.5	
119 2,3-Dihydroindene	117	11.233	11.233	0.000	94	305568	20.0	24.6	
120 p-Diethylbenzene	119	11.257	11.257	0.000	92	193769	20.0	23.8	
121 n-Butylbenzene	92	11.275	11.275	0.000	99	172798	20.0	24.3	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	144129	20.0	19.5	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	97	289358	20.0	23.3	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.964	0.000	95	15242	20.0	18.5	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	97	127934	20.0	20.1	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	116199	20.0	18.7	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	95	61324	20.0	18.6	
128 Naphthalene	128	12.952	12.952	0.000	99	249961	20.0	20.4	
129 1,2,3-Trichlorobenzene	180	13.226	13.226	0.000	95	109628	20.0	17.6	
S 130 1,2-Dichloroethene, Total	100				0		40.0	41.7	
S 131 1,3-Dichloropropene, Total	100				0		40.0	45.6	
S 132 Xylenes, Total	100				0		40.0	43.8	
S 133 Total BTEX	1				0		100.0	107.5	

Reagents:

8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00053	Amount Added:	3.00	Units: uL	
GASES Li_00167	Amount Added:	2.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Aug-2016 10:53:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25135a.D

Injection Date: 21-Aug-2016 06:17:30 Instrument ID: CVOAMS4 Operator ID:

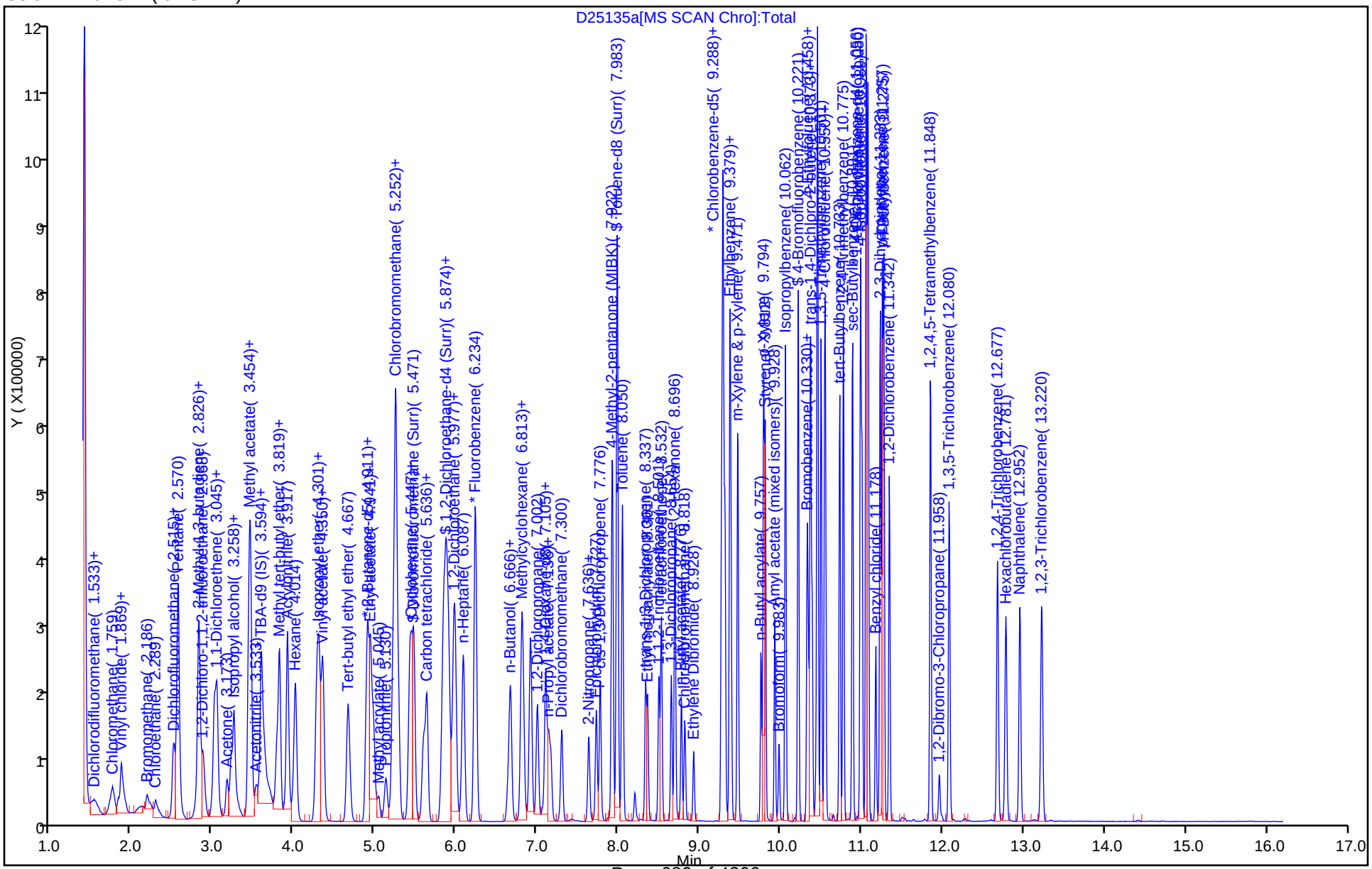
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386039/3 Calibration Date: 08/22/2016 10:58

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25162.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	QuaF		0.1672		19.4	20.0	-2.9	20.0
Dichlorodifluoromethane	Ave	0.4259	0.3789	0.1000	17.8	20.0	-11.0	20.0
Chloromethane	Ave	0.4050	0.4434	0.1000	21.9	20.0	9.5	20.0
Vinyl chloride	Ave	0.2963	0.3073	0.1000	20.7	20.0	3.7	20.0
Butadiene	Ave	0.1765	0.1947		22.1	20.0	10.3	20.0
Bromomethane	Ave	0.3011	0.2918	0.1000	19.4	20.0	-3.1	50.0
Chloroethane	Ave	0.1869	0.1912	0.1000	20.5	20.0	2.3	50.0
Dichlorofluoromethane	Ave	0.4898	0.4899		20.0	20.0	0.0	20.0
Trichlorofluoromethane	Ave	0.4161	0.3498	0.1000	16.8	20.0	-15.9	20.0
Pentane	Ave	0.0570	0.0603		42.3	40.0	5.9	20.0
Ethyl ether	Ave	0.2778	0.2936		21.1	20.0	5.7	20.0
Ethanol	Lin2		0.0736		834	800	4.2	50.0
2-Methyl-1,3-butadiene	Ave	0.3007	0.3101		20.6	20.0	3.1	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2204	0.2100		19.1	20.0	-4.7	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Qua2		0.1685	0.1000	17.6	20.0	-12.1	20.0
Acrolein	Ave	1.717	1.689		295	300	-1.7	50.0
1,1-Dichloroethene	Ave	0.2970	0.2775	0.1000	18.7	20.0	-6.6	20.0
Acetone	Lin2		0.8225	0.0500	86.5	100	-13.5	50.0
Iodomethane	Ave	0.6311	0.5359		17.0	20.0	-15.1	20.0
Carbon disulfide	Ave	1.101	1.029	0.1000	18.7	20.0	-6.6	50.0
Isopropyl alcohol	Ave	0.9438	0.9724		206	200	3.0	50.0
Allyl chloride	Ave	0.2422	0.2185		18.0	20.0	-9.8	20.0
Cyclopentene	Ave	0.7999	0.8578		21.4	20.0	7.2	20.0
Methyl acetate	Ave	0.2463	0.2574	0.1000	105	100	4.5	20.0
Acetonitrile	Ave	1.655	1.919		232	200	16.0	20.0
Methylene Chloride	Ave	0.3921	0.3625	0.1000	18.5	20.0	-7.6	20.0
TBA	Ave	1.448	1.330		184	200	-8.1	50.0
Methyl tert-butyl ether	Ave	0.7608	0.7521	0.1000	19.8	20.0	-1.1	20.0
trans-1,2-Dichloroethene	Ave	0.3724	0.3532	0.1000	19.0	20.0	-5.2	20.0
Acrylonitrile	Ave	4.474	4.890		219	200	9.3	20.0
Hexane	Ave	0.4834	0.5385		22.3	20.0	11.4	20.0
Isopropyl ether	Ave	1.073	1.187		22.1	20.0	10.6	20.0
1,1-Dichloroethane	Ave	0.6623	0.6956	0.2000	21.0	20.0	5.0	20.0
Vinyl acetate	Ave	0.0528	0.0523		39.6	40.0	-1.1	20.0
2-Chloro-1,3-butadiene	Ave	0.3047	0.3095		20.3	20.0	1.6	20.0
Tert-butyl ethyl ether	Ave	0.8873	0.9235		20.8	20.0	4.1	20.0
2,2-Dichloropropane	Ave	0.1437	0.1419		19.8	20.0	-1.2	20.0
cis-1,2-Dichloroethene	Ave	0.4017	0.3869	0.1000	19.3	20.0	-3.7	20.0
2-Butanone (MEK)	Ave	0.3554	0.3240	0.0500	91.2	100	-8.8	50.0
Ethyl acetate	Ave	0.3030	0.2967		39.2	40.0	-2.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386039/3 Calibration Date: 08/22/2016 10:58

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25162.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl acrylate	Ave	0.2482	0.2551		20.6	20.0	2.8	20.0
Propionitrile	Ave	0.0433	0.0450		208	200	4.1	20.0
Tetrahydrofuran	Ave	0.4066	0.3702		36.4	40.0	-9.0	20.0
Chlorobromomethane	Ave	0.1994	0.1807		18.1	20.0	-9.4	20.0
Methacrylonitrile	Ave	0.1153	0.1216		211	200	5.5	20.0
Chloroform	Ave	0.6371	0.6189	0.2000	19.4	20.0	-2.9	20.0
Cyclohexane	Qua2		0.5483	0.1000	19.9	20.0	-0.7	50.0
1,1,1-Trichloroethane	Ave	0.5014	0.4655	0.1000	18.6	20.0	-7.2	20.0
Carbon tetrachloride	Ave	0.4627	0.4059	0.1000	17.5	20.0	-12.3	20.0
1,1-Dichloropropene	Ave	0.4633	0.4658		20.1	20.0	0.5	20.0
Isobutyl alcohol	Ave	0.8628	0.9641		559	500	11.7	50.0
Benzene	Ave	1.796	1.762	0.5000	19.6	20.0	-1.9	20.0
Isopropyl acetate	Ave	0.9517	0.9142		19.2	20.0	-3.9	20.0
Tert-amyl methyl ether	Ave	1.041	0.9444		18.1	20.0	-9.3	20.0
1,2-Dichloroethane	Ave	0.4465	0.4303	0.1000	19.3	20.0	-3.6	20.0
n-Heptane	Ave	0.2690	0.3032		22.5	20.0	12.7	20.0
n-Butanol	Ave	0.3262	0.3427		525	500	5.1	50.0
Trichloroethene	Ave	0.3436	0.3177	0.2000	18.5	20.0	-7.5	20.0
Methylcyclohexane	Ave	0.5405	0.5838	0.1000	21.6	20.0	8.0	50.0
Ethyl acrylate	Ave	0.0224	0.0238		21.3	20.0	6.4	20.0
1,2-Dichloropropane	Ave	0.3245	0.3430	0.1000	21.1	20.0	5.7	20.0
Methyl methacrylate	Ave	0.0760	0.0712		37.5	40.0	-6.3	20.0
1,4-Dioxane	Ave	1.493	1.497		401	400	0.3	50.0
Dibromomethane	Ave	0.2092	0.1974		18.9	20.0	-5.6	20.0
n-Propyl acetate	Ave	0.4120	0.4301		20.9	20.0	4.4	20.0
Dichlorobromomethane	Ave	0.4217	0.4075	0.2000	19.3	20.0	-3.4	20.0
2-Nitropropane	Ave	0.0653	0.0583		35.7	40.0	-10.8	20.0
2-Chloroethyl vinyl ether	Ave	0.1518	0.1713		22.6	20.0	12.8	20.0
Epichlorohydrin	Ave	0.2756	0.2715		394	400	-1.5	20.0
cis-1,3-Dichloropropene	Ave	0.6028	0.6668	0.2000	22.1	20.0	10.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.005	2.898	0.0500	96.4	100	-3.6	50.0
Toluene	Ave	1.881	1.793	0.4000	19.1	20.0	-4.7	20.0
trans-1,3-Dichloropropene	Ave	0.5109	0.5494	0.1000	21.5	20.0	7.5	50.0
Ethyl methacrylate	Ave	0.3381	0.3361		19.9	20.0	-0.6	20.0
1,1,2-Trichloroethane	Ave	0.3087	0.3053	0.1000	19.8	20.0	-1.1	20.0
Tetrachloroethene	Ave	0.5350	0.4334	0.2000	16.2	20.0	-19.0	20.0
1,3-Dichloropropane	Ave	0.5564	0.6072		21.8	20.0	9.1	20.0
2-Hexanone	Ave	1.915	1.863	0.0500	97.3	100	-2.7	50.0
n-Butyl acetate	Ave	0.0951	0.0983		20.7	20.0	3.3	20.0
Chlorodibromomethane	Ave	0.4333	0.3875	0.1000	17.9	20.0	-10.6	50.0
Ethylene Dibromide	Ave	0.3606	0.3425	0.1000	19.0	20.0	-5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386039/3 Calibration Date: 08/22/2016 10:58

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25162.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	1.153	1.130	0.5000	19.6	20.0	-2.0	20.0
Ethylbenzene	Ave	0.6205	0.6138	0.1000	19.8	20.0	-1.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4581	0.4086		17.8	20.0	-10.8	20.0
m-Xylene & p-Xylene	Ave	0.7668	0.7588	0.1000	19.8	20.0	-1.0	20.0
n-Butyl acrylate	Ave	0.2614	0.2609		20.0	20.0	-0.2	20.0
o-Xylene	Ave	0.7697	0.7724	0.3000	20.1	20.0	0.4	20.0
Styrene	Ave	1.182	1.218	0.3000	20.6	20.0	3.0	20.0
Amyl acetate (mixed isomers)	Ave	1.299	1.384		21.3	20.0	6.5	20.0
Bromoform	Ave	0.2977	0.2311	0.1000	15.5	20.0	-22.4*	20.0
Isopropylbenzene	Ave	2.004	2.003	0.1000	20.0	20.0	-0.0	20.0
Bromobenzene	Ave	1.066	0.9085		17.0	20.0	-14.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9249	0.9024	0.3000	19.5	20.0	-2.4	20.0
N-Propylbenzene	Ave	4.709	4.650		19.7	20.0	-1.3	20.0
1,2,3-Trichloropropane	Ave	0.2754	0.2586		18.8	20.0	-6.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2662	0.2714		20.4	20.0	2.0	20.0
4-Ethyltoluene	Ave	3.827	3.833		20.0	20.0	0.1	20.0
2-Chlorotoluene	Ave	3.193	3.157		19.8	20.0	-1.1	20.0
1,3,5-Trimethylbenzene	Ave	3.365	3.228		19.2	20.0	-4.1	20.0
4-Chlorotoluene	Ave	2.726	2.755		20.2	20.0	1.1	20.0
Butyl Methacrylate	Ave	0.9885	0.9872		20.0	20.0	-0.1	20.0
tert-Butylbenzene	Ave	2.529	2.541		20.1	20.0	0.5	20.0
1,2,4-Trimethylbenzene	Ave	3.057	3.336		21.8	20.0	9.1	20.0
sec-Butylbenzene	Ave	3.584	4.131		23.1	20.0	15.3	20.0
4-Isopropyltoluene	Ave	3.287	3.539		21.5	20.0	7.7	20.0
1,3-Dichlorobenzene	Ave	1.797	1.740	0.6000	19.4	20.0	-3.2	20.0
1,4-Dichlorobenzene	Ave	1.824	1.740	0.5000	19.1	20.0	-4.6	20.0
Benzyl chloride	Ave	0.2969	0.2846		19.2	20.0	-4.1	50.0
Indan	QuaF		1.362		22.2	20.0	11.1	20.0
p-Diethylbenzene	Ave	2.001	2.154		21.5	20.0	7.7	20.0
n-Butylbenzene	Ave	1.742	1.924		22.1	20.0	10.4	20.0
1,2-Dichlorobenzene	Ave	1.816	1.694	0.4000	18.7	20.0	-6.7	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.051	3.279		21.5	20.0	7.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2020	0.1777	0.0500	17.6	20.0	-12.0	50.0
1,3,5-Trichlorobenzene	Ave	1.563	1.477		18.9	20.0	-5.5	20.0
1,2,4-Trichlorobenzene	Ave	1.527	1.336	0.2000	17.5	20.0	-12.5	20.0
Hexachlorobutadiene	Ave	0.8098	0.6763		16.7	20.0	-16.5	20.0
Naphthalene	Ave	3.013	2.912		19.3	20.0	-3.4	50.0
1,2,3-Trichlorobenzene	Ave	1.526	1.266		16.6	20.0	-17.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2985	0.2819		47.2	50.0	-5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3010	0.2961		49.2	50.0	-1.6	20.0
Toluene-d8 (Surr)	Ave	1.363	1.301		47.7	50.0	-4.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386039/3 Calibration Date: 08/22/2016 10:58

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25162.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene	Ave	0.8671	0.7218		41.6	50.0	-16.8	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25162.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Aug-2016 10:58:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0044710-003
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 12:23:57 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: desais Date: 23-Aug-2016 12:18:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.527	1.527	0.000	91	36136	20.0	19.4	
2 Dichlorodifluoromethane	85	1.539	1.539	0.000	99	81880	20.0	17.8	
3 Chloromethane	50	1.765	1.765	0.000	99	95810	20.0	21.9	
4 Vinyl chloride	62	1.838	1.838	0.000	97	66393	20.0	20.7	
5 Butadiene	54	1.874	1.874	0.000	96	42065	20.0	22.1	
6 Bromomethane	94	2.192	2.192	0.000	98	63057	20.0	19.4	
7 Chloroethane	64	2.295	2.295	0.000	100	41322	20.0	20.5	
8 Dichlorofluoromethane	67	2.515	2.515	0.000	96	105861	20.0	20.0	
9 Trichlorofluoromethane	101	2.515	2.515	0.000	74	75574	20.0	16.8	
10 Pentane	72	2.569	2.569	0.000	96	26066	40.0	42.3	
11 Ethyl ether	59	2.813	2.813	0.000	92	63431	20.0	21.1	
12 Ethanol	46	2.826	2.826	0.000	72	15668	800.0	833.5	
13 2-Methyl-1,3-butadiene	53	2.832	2.832	0.000	96	67004	20.0	20.6	
14 1,2-Dichloro-1,1,2-trifluo	117	2.880	2.880	0.000	82	45382	20.0	19.1	
15 1,1,2-Trichloro-1,2,2-trif	101	3.015	3.015	0.000	92	36407	20.0	17.6	
16 Acrolein	56	3.021	3.021	0.000	96	134810	300.0	295.0	
17 1,1-Dichloroethene	96	3.051	3.051	0.000	95	59966	20.0	18.7	
18 Acetone	43	3.167	3.167	0.000	87	97272	100.0	86.5	
19 Iodomethane	142	3.228	3.228	0.000	100	115800	20.0	17.0	
20 Carbon disulfide	76	3.258	3.258	0.000	99	222239	20.0	18.7	
21 Isopropyl alcohol	45	3.301	3.301	0.000	99	51746	200.0	206.1	
22 3-Chloro-1-propene	76	3.441	3.441	0.000	89	47208	20.0	18.0	
23 Cyclopentene	67	3.460	3.460	0.000	94	185349	20.0	21.4	
24 Methyl acetate	43	3.460	3.460	0.000	100	278042	100.0	104.5	
25 Acetonitrile	41	3.533	3.533	0.000	99	102126	200.0	231.9	
26 Methylene Chloride	84	3.594	3.594	0.000	98	78329	20.0	18.5	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	39	266085	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.691	3.691	0.000	99	70793	200.0	183.8	
29 Methyl tert-butyl ether	73	3.795	3.795	0.000	98	162518	20.0	19.8	
30 trans-1,2-Dichloroethene	96	3.819	3.819	0.000	99	76320	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.917	3.917	0.000	94	260238	200.0	218.6	
32 Hexane	57	4.014	4.014	0.000	95	116355	20.0	22.3	
33 Isopropyl ether	45	4.283	4.283	0.000	97	256490	20.0	22.1	
34 1,1-Dichloroethane	63	4.307	4.307	0.000	99	150296	20.0	21.0	
35 Vinyl acetate	86	4.331	4.331	0.000	100	22588	40.0	39.6	
36 2-Chloro-1,3-butadiene	88	4.356	4.356	0.000	91	66886	20.0	20.3	
37 Tert-butyl ethyl ether	59	4.667	4.667	0.000	88	199550	20.0	20.8	
* 38 2-Butanone-d5	46	4.898	4.898	0.000	0	295658	250.0	250.0	
39 2,2-Dichloropropane	79	4.910	4.910	0.000	92	30669	20.0	19.8	
40 cis-1,2-Dichloroethene	96	4.941	4.941	0.000	95	83599	20.0	19.3	
41 2-Butanone (MEK)	72	4.965	4.965	0.000	99	38322	100.0	91.2	
42 Ethyl acetate	70	4.978	4.978	0.000	95	14035	40.0	39.2	
43 Methyl acrylate	55	5.039	5.039	0.000	100	55119	20.0	20.6	
44 Propionitrile	54	5.124	5.124	0.000	98	97295	200.0	208.2	
45 Tetrahydrofuran	72	5.209	5.209	0.000	57	17512	40.0	36.4	
46 Chlorobromomethane	128	5.215	5.215	0.000	89	39051	20.0	18.1	
47 Methacrylonitrile	67	5.246	5.246	0.000	94	262849	200.0	211.0	
48 Chloroform	83	5.288	5.288	0.000	98	133728	20.0	19.4	
49 Cyclohexane	56	5.429	5.429	0.000	93	118481	20.0	19.9	
50 1,1,1-Trichloroethane	97	5.453	5.453	0.000	98	100582	20.0	18.6	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.477	0.000	96	152288	50.0	47.2	
52 Carbon tetrachloride	117	5.593	5.593	0.000	98	87699	20.0	17.5	
53 1,1-Dichloropropene	75	5.636	5.636	0.000	97	100652	20.0	20.1	
54 Isobutyl alcohol	43	5.825	5.825	0.000	92	128264	500.0	558.7	
55 Benzene	78	5.874	5.874	0.000	96	281839	20.0	19.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	98	159930	50.0	49.2	
57 Tert-amyl methyl ether	73	5.971	5.971	0.000	91	204073	20.0	18.1	
58 Isopropyl acetate	43	5.971	5.971	0.000	97	197543	20.0	19.2	
59 1,2-Dichloroethane	62	5.990	5.990	0.000	95	92978	20.0	19.3	
60 n-Heptane	57	6.087	6.087	0.000	95	65523	20.0	22.5	
* 61 Fluorobenzene	96	6.233	6.233	0.000	98	540201	50.0	50.0	
62 n-Butanol	56	6.636	6.636	0.000	90	45587	500.0	525.3	
63 Trichloroethene	95	6.666	6.666	0.000	97	68642	20.0	18.5	
64 Methylcyclohexane	83	6.813	6.813	0.000	96	126137	20.0	21.6	
65 Ethyl acrylate	73	6.837	6.837	0.000	96	5149	20.0	21.3	
66 1,2-Dichloropropane	63	7.002	7.002	0.000	89	74121	20.0	21.1	
* 67 1,4-Dioxane-d8	96	7.063	7.063	0.000	0	25776	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.105	0.000	93	30758	40.0	37.5	
69 1,4-Dioxane	88	7.123	7.123	0.000	93	15439	400.0	401.3	
70 Dibromomethane	93	7.136	7.136	0.000	97	42650	20.0	18.9	
71 n-Propyl acetate	43	7.166	7.166	0.000	99	92943	20.0	20.9	
72 Dichlorobromomethane	83	7.300	7.300	0.000	98	88048	20.0	19.3	
73 2-Nitropropane	41	7.629	7.629	0.000	81	25179	40.0	35.7	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	85	37011	20.0	22.6	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	128444	400.0	394.1	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	93	106642	20.0	22.1	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	342743	100.0	96.4	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	99	520241	50.0	47.7	
79 Toluene	91	8.050	8.050	0.000	93	286777	20.0	19.1	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	97	87867	20.0	21.5	
81 Ethyl methacrylate	69	8.361	8.361	0.000	92	72613	20.0	19.9	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	48834	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.532	8.532	0.000	95	69322	20.0	16.2	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	94	97114	20.0	21.8	
85 2-Hexanone	43	8.696	8.696	0.000	98	220354	100.0	97.3	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	15713	20.0	20.7	
87 Chlorodibromomethane	129	8.818	8.818	0.000	99	61973	20.0	17.9	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	54769	20.0	19.0	
* 89 Chlorobenzene-d5	117	9.288	9.288	0.000	88	399837	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	94	180717	20.0	19.6	
91 Ethylbenzene	106	9.373	9.373	0.000	99	98170	20.0	19.8	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	65350	20.0	17.8	
93 m-Xylene & p-Xylene	106	9.471	9.471	0.000	98	121362	20.0	19.8	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	41730	20.0	20.0	
95 o-Xylene	106	9.794	9.794	0.000	94	123537	20.0	20.1	
96 Styrene	104	9.812	9.812	0.000	95	194724	20.0	20.6	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	90	116295	20.0	21.3	
98 Bromoform	173	9.983	9.983	0.000	96	36959	20.0	15.5	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	320384	20.0	20.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	91	151641	50.0	41.6	
101 Bromobenzene	156	10.330	10.330	0.000	98	76348	20.0	17.0	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	75836	20.0	19.5	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	390769	20.0	19.7	
104 1,2,3-Trichloropropane	110	10.391	10.391	0.000	98	21732	20.0	18.8	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	86	22807	20.0	20.4	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	322080	20.0	20.0	
107 2-Chlorotoluene	91	10.458	10.458	0.000	96	265324	20.0	19.8	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	271294	20.0	19.2	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	231525	20.0	20.2	
110 Butyl Methacrylate	87	10.556	10.556	0.000	94	82966	20.0	20.0	
111 tert-Butylbenzene	119	10.733	10.733	0.000	93	213561	20.0	20.1	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	280342	20.0	21.8	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	347130	20.0	23.1	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	297394	20.0	21.5	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	95	146258	20.0	19.4	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	210096	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	93	146238	20.0	19.1	
118 Benzyl chloride	126	11.178	11.178	0.000	98	23917	20.0	19.2	
119 2,3-Dihydroindene	117	11.232	11.232	0.000	94	294345	20.0	22.2	
120 p-Diethylbenzene	119	11.257	11.257	0.000	92	181043	20.0	21.5	
121 n-Butylbenzene	92	11.275	11.275	0.000	99	161653	20.0	22.1	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	142367	20.0	18.7	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	97	275568	20.0	21.5	
124 1,2-Dibromo-3-Chloropropan	157	11.958	11.958	0.000	96	14935	20.0	17.6	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	97	124139	20.0	18.9	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	112315	20.0	17.5	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	94	56833	20.0	16.7	
128 Naphthalene	128	12.952	12.952	0.000	99	244708	20.0	19.3	
129 1,2,3-Trichlorobenzene	180	13.220	13.220	0.000	95	106418	20.0	16.6	
S 130 1,2-Dichloroethene, Total	100				0		40.0	38.2	
S 131 1,3-Dichloropropene, Total	100				0		40.0	43.6	
S 132 Xylenes, Total	100				0		40.0	39.9	
S 133 Total BTEX	1				0		100.0	98.3	

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00055	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 23-Aug-2016 12:23:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25162.D

Injection Date: 22-Aug-2016 10:58:30 Instrument ID: CVOAMS4 Operator ID:

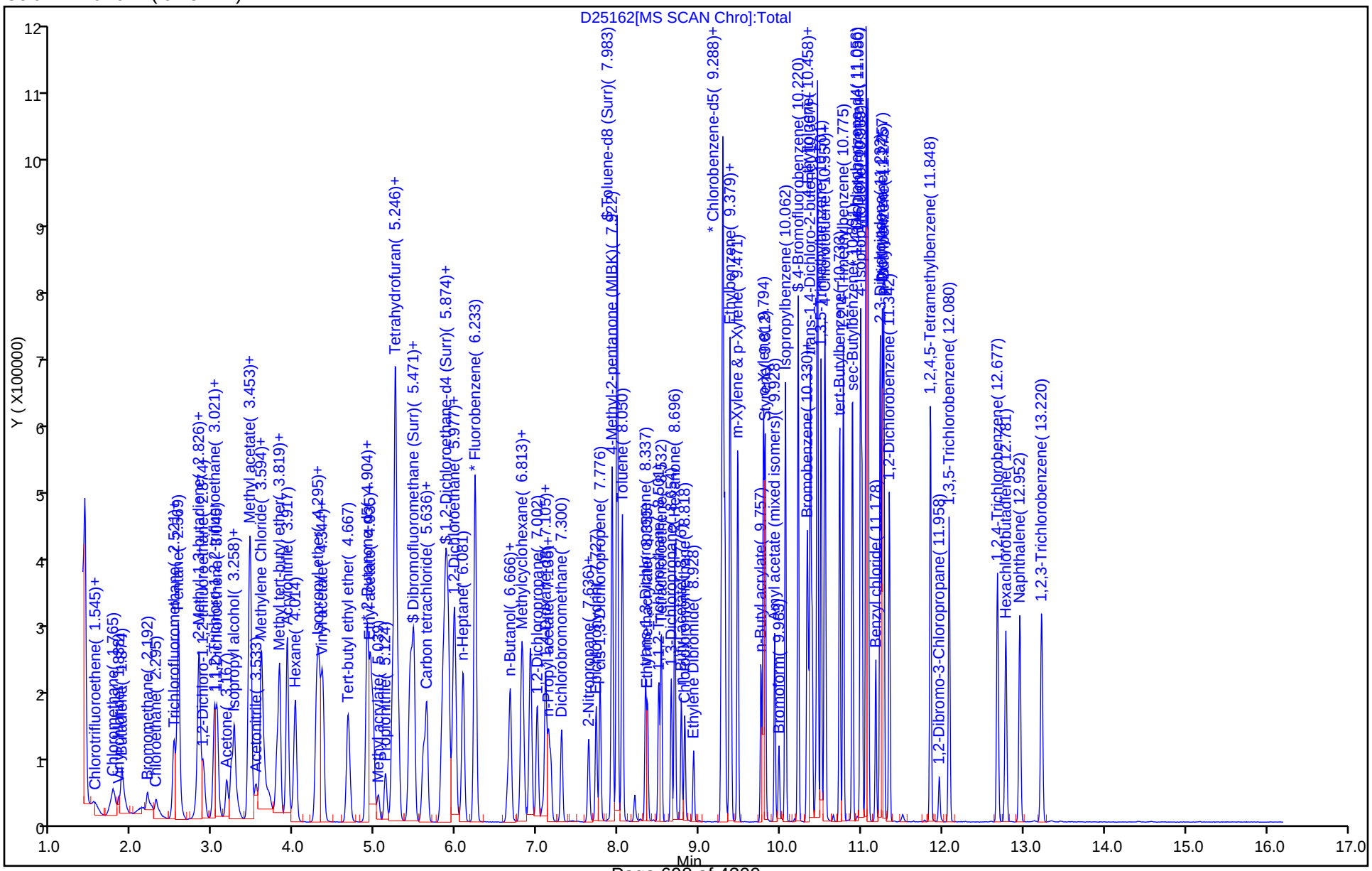
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386262/3 Calibration Date: 08/23/2016 11:34

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25189.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	QuaF		0.1687		19.6	20.0	-2.0	20.0
Dichlorodifluoromethane	Ave	0.4259	0.4073	0.1000	19.1	20.0	-4.4	20.0
Chloromethane	Ave	0.4050	0.4491	0.1000	22.2	20.0	10.9	20.0
Vinyl chloride	Ave	0.2963	0.3064	0.1000	20.7	20.0	3.4	20.0
Butadiene	Ave	0.1765	0.2025		22.9	20.0	14.7	20.0
Bromomethane	Ave	0.3011	0.2932	0.1000	19.5	20.0	-2.6	50.0
Chloroethane	Ave	0.1869	0.1872	0.1000	20.0	20.0	0.1	50.0
Dichlorofluoromethane	Ave	0.4898	0.4997		20.4	20.0	2.0	20.0
Trichlorofluoromethane	Ave	0.4161	0.3803	0.1000	18.3	20.0	-8.6	20.0
Pentane	Ave	0.0570	0.0595		41.8	40.0	4.5	20.0
Ethanol	Lin2		0.0747		846	800	5.7	50.0
Ethyl ether	Ave	0.2778	0.2977		21.4	20.0	7.2	20.0
2-Methyl-1,3-butadiene	Ave	0.3007	0.3099		20.6	20.0	3.0	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2204	0.2086		18.9	20.0	-5.4	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Qua2		0.1732	0.1000	18.1	20.0	-9.6	20.0
Acrolein	Ave	1.717	1.627		284	300	-5.3	50.0
1,1-Dichloroethene	Ave	0.2970	0.2796	0.1000	18.8	20.0	-5.8	20.0
Acetone	Lin2		0.8601	0.0500	90.6	100	-9.4	50.0
Iodomethane	Ave	0.6311	0.5626		17.8	20.0	-10.9	20.0
Carbon disulfide	Ave	1.101	1.034	0.1000	18.8	20.0	-6.0	50.0
Isopropyl alcohol	Ave	0.9438	0.9745		207	200	3.3	50.0
Allyl chloride	Ave	0.2422	0.2132		17.6	20.0	-12.0	20.0
Cyclopentene	Ave	0.7999	0.8512		21.3	20.0	6.4	20.0
Methyl acetate	Ave	0.2463	0.2664	0.1000	108	100	8.2	20.0
Acetonitrile	Ave	1.655	1.884		228	200	13.9	20.0
Methylene Chloride	Ave	0.3921	0.3724	0.1000	19.0	20.0	-5.0	20.0
TBA	Ave	1.448	1.286		178	200	-11.2	50.0
Methyl tert-butyl ether	Ave	0.7608	0.7849	0.1000	20.6	20.0	3.2	20.0
trans-1,2-Dichloroethene	Ave	0.3724	0.3547	0.1000	19.0	20.0	-4.8	20.0
Acrylonitrile	Ave	4.474	4.794		214	200	7.1	20.0
Hexane	Ave	0.4834	0.5349		22.1	20.0	10.7	20.0
Isopropyl ether	Ave	1.073	1.222		22.8	20.0	13.9	20.0
1,1-Dichloroethane	Ave	0.6623	0.6917	0.2000	20.9	20.0	4.4	20.0
Vinyl acetate	Ave	0.0528	0.0532		40.3	40.0	0.7	20.0
2-Chloro-1,3-butadiene	Ave	0.3047	0.3035		19.9	20.0	-0.4	20.0
Tert-butyl ethyl ether	Ave	0.8873	0.9564		21.6	20.0	7.8	20.0
2,2-Dichloropropane	Ave	0.1437	0.1408		19.6	20.0	-2.0	20.0
cis-1,2-Dichloroethene	Ave	0.4017	0.3887	0.1000	19.3	20.0	-3.3	20.0
2-Butanone (MEK)	Ave	0.3554	0.3210	0.0500	90.3	100	-9.7	50.0
Ethyl acetate	Ave	0.3030	0.2814		37.2	40.0	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386262/3 Calibration Date: 08/23/2016 11:34

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25189.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl acrylate	Ave	0.2482	0.2650		21.4	20.0	6.8	20.0
Propionitrile	Ave	0.0433	0.0460		213	200	6.3	20.0
Tetrahydrofuran	Ave	0.4066	0.3560		35.0	40.0	-12.5	20.0
Chlorobromomethane	Ave	0.1994	0.1856		18.6	20.0	-6.9	20.0
Methacrylonitrile	Ave	0.1153	0.1232		214	200	6.8	20.0
Chloroform	Ave	0.6371	0.6358	0.2000	20.0	20.0	-0.2	20.0
Cyclohexane	Qua2		0.5577	0.1000	20.2	20.0	1.0	50.0
1,1,1-Trichloroethane	Ave	0.5014	0.4854	0.1000	19.4	20.0	-3.2	20.0
Carbon tetrachloride	Ave	0.4627	0.4322	0.1000	18.7	20.0	-6.6	20.0
1,1-Dichloropropene	Ave	0.4633	0.4638		20.0	20.0	0.1	20.0
Isobutyl alcohol	Ave	0.8628	0.9531		552	500	10.5	50.0
Benzene	Ave	1.796	1.735	0.5000	19.3	20.0	-3.4	20.0
Isopropyl acetate	Ave	0.9517	0.9631		20.2	20.0	1.2	20.0
Tert-amyl methyl ether	Ave	1.041	1.077		20.7	20.0	3.4	20.0
1,2-Dichloroethane	Ave	0.4465	0.4562	0.1000	20.4	20.0	2.2	20.0
n-Heptane	Ave	0.2690	0.2975		22.1	20.0	10.6	20.0
n-Butanol	Ave	0.3262	0.3250		498	500	-0.4	50.0
Trichloroethene	Ave	0.3436	0.3251	0.2000	18.9	20.0	-5.4	20.0
Methylcyclohexane	Ave	0.5405	0.5825	0.1000	21.6	20.0	7.8	50.0
Ethyl acrylate	Ave	0.0224	0.0245		21.9	20.0	9.3	20.0
1,2-Dichloropropane	Ave	0.3245	0.3471	0.1000	21.4	20.0	7.0	20.0
Methyl methacrylate	Ave	0.0760	0.0722		38.0	40.0	-5.0	20.0
1,4-Dioxane	Ave	1.493	1.463		392	400	-2.0	50.0
Dibromomethane	Ave	0.2092	0.2028		19.4	20.0	-3.1	20.0
n-Propyl acetate	Ave	0.4120	0.4473		21.7	20.0	8.6	20.0
Dichlorobromomethane	Ave	0.4217	0.4095	0.2000	19.4	20.0	-2.9	20.0
2-Nitropropane	Ave	0.0653	0.0593		36.3	40.0	-9.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1518	0.1682		22.1	20.0	10.7	20.0
Epichlorohydrin	Ave	0.2756	0.2658		386	400	-3.6	20.0
cis-1,3-Dichloropropene	Ave	0.6028	0.6562	0.2000	21.8	20.0	8.9	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.005	2.923	0.0500	97.3	100	-2.7	50.0
Toluene	Ave	1.881	1.763	0.4000	18.7	20.0	-6.3	20.0
trans-1,3-Dichloropropene	Ave	0.5109	0.5406	0.1000	21.2	20.0	5.8	50.0
Ethyl methacrylate	Ave	0.3381	0.3395		20.1	20.0	0.4	20.0
1,1,2-Trichloroethane	Ave	0.3087	0.2979	0.1000	19.3	20.0	-3.5	20.0
Tetrachloroethene	Ave	0.5350	0.4519	0.2000	16.9	20.0	-15.5	20.0
1,3-Dichloropropane	Ave	0.5564	0.5973		21.5	20.0	7.3	20.0
2-Hexanone	Ave	1.915	1.903	0.0500	99.4	100	-0.6	50.0
n-Butyl acetate	Ave	0.0951	0.0973		20.4	20.0	2.2	20.0
Chlorodibromomethane	Ave	0.4333	0.4074	0.1000	18.8	20.0	-6.0	50.0
Ethylene Dibromide	Ave	0.3606	0.3399	0.1000	18.9	20.0	-5.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386262/3 Calibration Date: 08/23/2016 11:34

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25189.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	1.153	1.125	0.5000	19.5	20.0	-2.4	20.0
Ethylbenzene	Ave	0.6205	0.6097	0.1000	19.7	20.0	-1.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4581	0.4264		18.6	20.0	-6.9	20.0
m-Xylene & p-Xylene	Ave	0.7668	0.7381	0.1000	19.3	20.0	-3.7	20.0
n-Butyl acrylate	Ave	0.2614	0.2525		19.3	20.0	-3.4	20.0
o-Xylene	Ave	0.7697	0.7679	0.3000	20.0	20.0	-0.2	20.0
Styrene	Ave	1.182	1.183	0.3000	20.0	20.0	0.0	20.0
Amyl acetate (mixed isomers)	Ave	1.299	1.352		20.8	20.0	4.1	20.0
Bromoform	Ave	0.2977	0.2472	0.1000	16.6	20.0	-17.0	20.0
Isopropylbenzene	Ave	2.004	1.992	0.1000	19.9	20.0	-0.6	20.0
Bromobenzene	Ave	1.066	0.8886		16.7	20.0	-16.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9249	0.8697	0.3000	18.8	20.0	-6.0	20.0
N-Propylbenzene	Ave	4.709	4.345		18.5	20.0	-7.7	20.0
1,2,3-Trichloropropane	Ave	0.2754	0.2450		17.8	20.0	-11.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2662	0.2574		19.3	20.0	-3.3	20.0
4-Ethyltoluene	Ave	3.827	3.601		18.8	20.0	-5.9	20.0
2-Chlorotoluene	Ave	3.193	2.985		18.7	20.0	-6.5	20.0
1,3,5-Trimethylbenzene	Ave	3.365	3.066		18.2	20.0	-8.9	20.0
4-Chlorotoluene	Ave	2.726	2.614		19.2	20.0	-4.1	20.0
Butyl Methacrylate	Ave	0.9885	0.9178		18.6	20.0	-7.2	20.0
tert-Butylbenzene	Ave	2.529	2.398		19.0	20.0	-5.2	20.0
1,2,4-Trimethylbenzene	Ave	3.057	3.166		20.7	20.0	3.6	20.0
sec-Butylbenzene	Ave	3.584	3.919		21.9	20.0	9.4	20.0
4-Isopropyltoluene	Ave	3.287	3.375		20.5	20.0	2.7	20.0
1,3-Dichlorobenzene	Ave	1.797	1.699	0.6000	18.9	20.0	-5.5	20.0
1,4-Dichlorobenzene	Ave	1.824	1.691	0.5000	18.5	20.0	-7.3	20.0
Benzyl chloride	Ave	0.2969	0.2662		17.9	20.0	-10.3	50.0
Indan	QuaF		1.422		23.2	20.0	16.0	20.0
p-Diethylbenzene	Ave	2.001	2.096		21.0	20.0	4.8	20.0
n-Butylbenzene	Ave	1.742	1.807		20.7	20.0	3.7	20.0
1,2-Dichlorobenzene	Ave	1.816	1.681	0.4000	18.5	20.0	-7.4	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.051	3.152		20.7	20.0	3.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2020	0.1770	0.0500	17.5	20.0	-12.4	50.0
1,3,5-Trichlorobenzene	Ave	1.563	1.500		19.2	20.0	-4.0	20.0
1,2,4-Trichlorobenzene	Ave	1.527	1.355	0.2000	17.7	20.0	-11.3	20.0
Hexachlorobutadiene	Ave	0.8098	0.7181		17.7	20.0	-11.3	20.0
Naphthalene	Ave	3.013	2.777		18.4	20.0	-7.9	50.0
1,2,3-Trichlorobenzene	Ave	1.526	1.290		16.9	20.0	-15.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2985	0.2904		48.6	50.0	-2.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3010	0.3022		50.2	50.0	0.4	20.0
Toluene-d8 (Surr)	Ave	1.363	1.312		48.2	50.0	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386262/3 Calibration Date: 08/23/2016 11:34

Instrument ID: CVOAMS4 Calib Start Date: 08/18/2016 01:53

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/18/2016 06:20

Lab File ID: D25189.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene	Ave	0.8671	0.7331		42.3	50.0	-15.5	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25189.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 11:34:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0044756-003
Operator ID: Instrument ID: CVOAMS4
Sublist: chrom-8260S_4*sub35

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Aug-2016 10:42:03 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: baronm Date: 24-Aug-2016 10:42:03

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116	1.490	1.490	0.000	35	29611	20.0	19.6	
2	Dichlorodifluoromethane	85	1.521	1.521	0.000	99	71514	20.0	19.1	
3	Chloromethane	50	1.759	1.759	0.000	99	78841	20.0	22.2	
4	Vinyl chloride	62	1.826	1.826	0.000	98	53789	20.0	20.7	
5	Butadiene	54	1.862	1.862	0.000	96	35555	20.0	22.9	
6	Bromomethane	94	2.185	2.185	0.000	97	51481	20.0	19.5	
7	Chloroethane	64	2.283	2.283	0.000	99	32862	20.0	20.0	
8	Dichlorofluoromethane	67	2.502	2.502	0.000	96	87731	20.0	20.4	
9	Trichlorofluoromethane	101	2.502	2.502	0.000	79	66758	20.0	18.3	
10	Pentane	72	2.563	2.563	0.000	97	20901	40.0	41.8	
11	Ethyl ether	59	2.801	2.801	0.000	92	52272	20.0	21.4	
12	Ethanol	46	2.801	2.801	0.000	81	13546	800.0	845.5	
13	2-Methyl-1,3-butadiene	53	2.819	2.819	0.000	98	54402	20.0	20.6	
14	1,2-Dichloro-1,1,2-trifluo	117	2.868	2.868	0.000	84	36622	20.0	18.9	
15	1,1,2-Trichloro-1,2,2-trif	101	3.002	3.002	0.000	39	30408	20.0	18.1	
16	Acrolein	56	3.008	3.008	0.000	96	110601	300.0	284.2	
17	1,1-Dichloroethene	96	3.045	3.045	0.000	95	49092	20.0	18.8	
18	Acetone	43	3.161	3.161	0.000	85	84951	100.0	90.6	
19	Iodomethane	142	3.216	3.216	0.000	99	98764	20.0	17.8	
20	Carbon disulfide	76	3.252	3.252	0.000	100	181601	20.0	18.8	
21	Isopropyl alcohol	45	3.283	3.283	0.000	99	44176	200.0	206.5	
22	3-Chloro-1-propene	76	3.429	3.429	0.000	89	37422	20.0	17.6	
23	Cyclopentene	67	3.447	3.447	0.000	92	149445	20.0	21.3	
24	Methyl acetate	43	3.453	3.453	0.000	99	233819	100.0	108.2	
25	Acetonitrile	41	3.520	3.520	0.000	100	85417	200.0	227.7	
26	Methylene Chloride	84	3.588	3.588	0.000	98	65381	20.0	19.0	
* 27	TBA-d9 (IS)	65	3.600	3.600	0.000	41	226653	1000.0	1000.0	
28	2-Methyl-2-propanol	59	3.685	3.685	0.000	99	58304	200.0	177.7	
29	Methyl tert-butyl ether	73	3.789	3.789	0.000	97	137801	20.0	20.6	
30	trans-1,2-Dichloroethene	96	3.813	3.813	0.000	99	62266	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.905	3.905	0.000	94	217295	200.0	214.3	
32 Hexane	57	4.008	4.008	0.000	94	93913	20.0	22.1	
33 Isopropyl ether	45	4.270	4.270	0.000	97	214606	20.0	22.8	
34 1,1-Dichloroethane	63	4.301	4.301	0.000	99	121438	20.0	20.9	
35 Vinyl acetate	86	4.331	4.331	0.000	100	18687	40.0	40.3	
36 2-Chloro-1,3-butadiene	88	4.350	4.350	0.000	92	53277	20.0	19.9	
37 Tert-butyl ethyl ether	59	4.660	4.660	0.000	89	167913	20.0	21.6	
* 38 2-Butanone-d5	46	4.892	4.892	0.000	0	246911	250.0	250.0	
39 2,2-Dichloropropane	79	4.898	4.898	0.000	63	24717	20.0	19.6	
40 cis-1,2-Dichloroethene	96	4.935	4.935	0.000	95	68233	20.0	19.3	
41 2-Butanone (MEK)	72	4.959	4.959	0.000	98	31699	100.0	90.3	
42 Ethyl acetate	70	4.977	4.977	0.000	96	11116	40.0	37.2	
43 Methyl acrylate	55	5.032	5.032	0.000	100	46521	20.0	21.4	
44 Propionitrile	54	5.124	5.124	0.000	98	80765	200.0	212.7	
45 Tetrahydrofuran	72	5.197	5.197	0.000	69	14063	40.0	35.0	
46 Chlorobromomethane	128	5.209	5.209	0.000	95	32589	20.0	18.6	
47 Methacrylonitrile	67	5.246	5.246	0.000	94	216280	200.0	213.7	
48 Chloroform	83	5.282	5.282	0.000	98	111620	20.0	20.0	
49 Cyclohexane	56	5.423	5.423	0.000	94	97917	20.0	20.2	
50 1,1,1-Trichloroethane	97	5.447	5.447	0.000	98	85221	20.0	19.4	
$ 51 Dibromofluoromethane (Surr	113	5.471	5.471	0.000	96	127466	50.0	48.6	
52 Carbon tetrachloride	117	5.593	5.593	0.000	98	75882	20.0	18.7	
53 1,1-Dichloropropene	75	5.630	5.630	0.000	96	81426	20.0	20.0	
54 Isobutyl alcohol	43	5.819	5.819	0.000	93	108007	500.0	552.3	
55 Benzene	78	5.868	5.868	0.000	95	231845	20.0	19.3	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	98	132657	50.0	50.2	
57 Tert-amyl methyl ether	73	5.965	5.965	0.000	91	189026	20.0	20.7	
58 Isopropyl acetate	43	5.965	5.965	0.000	97	169083	20.0	20.2	
59 1,2-Dichloroethane	62	5.989	5.989	0.000	97	80098	20.0	20.4	
60 n-Heptane	57	6.081	6.081	0.000	95	52233	20.0	22.1	
* 61 Fluorobenzene	96	6.227	6.227	0.000	98	438910	50.0	50.0	
62 n-Butanol	56	6.636	6.636	0.000	91	36831	500.0	498.2	
63 Trichloroethene	95	6.660	6.660	0.000	98	57080	20.0	18.9	
64 Methylcyclohexane	83	6.806	6.806	0.000	94	102265	20.0	21.6	
65 Ethyl acrylate	73	6.831	6.831	0.000	97	4298	20.0	21.9	
66 1,2-Dichloropropane	63	6.995	6.995	0.000	90	60939	20.0	21.4	
* 67 1,4-Dioxane-d8	96	7.062	7.062	0.000	0	22736	1000.0	1000.0	
68 Methyl methacrylate	100	7.099	7.099	0.000	93	25345	40.0	38.0	
69 1,4-Dioxane	88	7.117	7.117	0.000	96	13309	400.0	392.2	
70 Dibromomethane	93	7.136	7.136	0.000	96	35597	20.0	19.4	
71 n-Propyl acetate	43	7.160	7.160	0.000	100	78537	20.0	21.7	
72 Dichlorobromomethane	83	7.300	7.300	0.000	98	71889	20.0	19.4	
73 2-Nitropropane	41	7.623	7.623	0.000	85	20813	40.0	36.3	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	84	29521	20.0	22.1	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	104991	400.0	385.8	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	94	87710	20.0	21.8	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	288713	100.0	97.3	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	98	438513	50.0	48.2	
79 Toluene	91	8.050	8.050	0.000	93	235628	20.0	18.7	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	98	72260	20.0	21.2	
81 Ethyl methacrylate	69	8.361	8.361	0.000	93	59598	20.0	20.1	
82 1,1,2-Trichloroethane	83	8.495	8.495	0.000	95	39816	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.532	8.532	0.000	97	60399	20.0	16.9	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	95	79829	20.0	21.5	
85 2-Hexanone	43	8.696	8.696	0.000	98	187955	100.0	99.4	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	12998	20.0	20.4	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	54457	20.0	18.8	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	45435	20.0	18.9	
* 89 Chlorobenzene-d5	117	9.288	9.288	0.000	88	334146	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	94	150345	20.0	19.5	
91 Ethylbenzene	106	9.373	9.373	0.000	99	81494	20.0	19.7	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	56991	20.0	18.6	
93 m-Xylene & p-Xylene	106	9.471	9.471	0.000	98	98659	20.0	19.3	
94 n-Butyl acrylate	73	9.757	9.757	0.000	97	33750	20.0	19.3	
95 o-Xylene	106	9.794	9.794	0.000	94	102632	20.0	20.0	
96 Styrene	104	9.812	9.812	0.000	95	158103	20.0	20.0	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	99982	20.0	20.8	
98 Bromoform	173	9.983	9.983	0.000	96	33039	20.0	16.6	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	266239	20.0	19.9	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	92	135498	50.0	42.3	
101 Bromobenzene	156	10.330	10.330	0.000	96	65694	20.0	16.7	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	64293	20.0	18.8	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	321236	20.0	18.5	
104 1,2,3-Trichloropropane	110	10.385	10.385	0.000	96	18113	20.0	17.8	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	74	19028	20.0	19.3	
106 4-Ethyltoluene	105	10.452	10.452	0.000	99	266208	20.0	18.8	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	220651	20.0	18.7	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	226678	20.0	18.2	
109 4-Chlorotoluene	91	10.543	10.543	0.000	98	193220	20.0	19.2	
110 Butyl Methacrylate	87	10.556	10.556	0.000	96	67852	20.0	18.6	
111 tert-Butylbenzene	119	10.732	10.732	0.000	94	177271	20.0	19.0	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	234087	20.0	20.7	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	289746	20.0	21.9	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	249530	20.0	20.5	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	95	125603	20.0	18.9	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	95	184820	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	93	125013	20.0	18.5	
118 Benzyl chloride	126	11.178	11.178	0.000	98	19680	20.0	17.9	
119 2,3-Dihydroindene	117	11.232	11.232	0.000	94	249702	20.0	23.2	
120 p-Diethylbenzene	119	11.257	11.257	0.000	92	154964	20.0	21.0	
121 n-Butylbenzene	92	11.275	11.275	0.000	99	133611	20.0	20.7	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	96	124268	20.0	18.5	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	97	232990	20.0	20.7	
124 1,2-Dibromo-3-Chloropropan	157	11.958	11.958	0.000	95	13088	20.0	17.5	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	97	110877	20.0	19.2	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	100175	20.0	17.7	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	96	53086	20.0	17.7	
128 Naphthalene	128	12.952	12.952	0.000	99	205265	20.0	18.4	
129 1,2,3-Trichlorobenzene	180	13.226	13.226	0.000	95	95359	20.0	16.9	
S 130 1,2-Dichloroethene, Total	100				0		40.0	38.4	
S 131 1,3-Dichloropropene, Total	100				0		40.0	42.9	
S 132 Xylenes, Total	100				0		40.0	39.2	
S 133 Total BTEX	1				0		100.0	96.9	

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00055	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Aug-2016 10:42:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25189.D

Injection Date: 23-Aug-2016 11:34:30 Instrument ID: CVOAMS4 Operator ID:

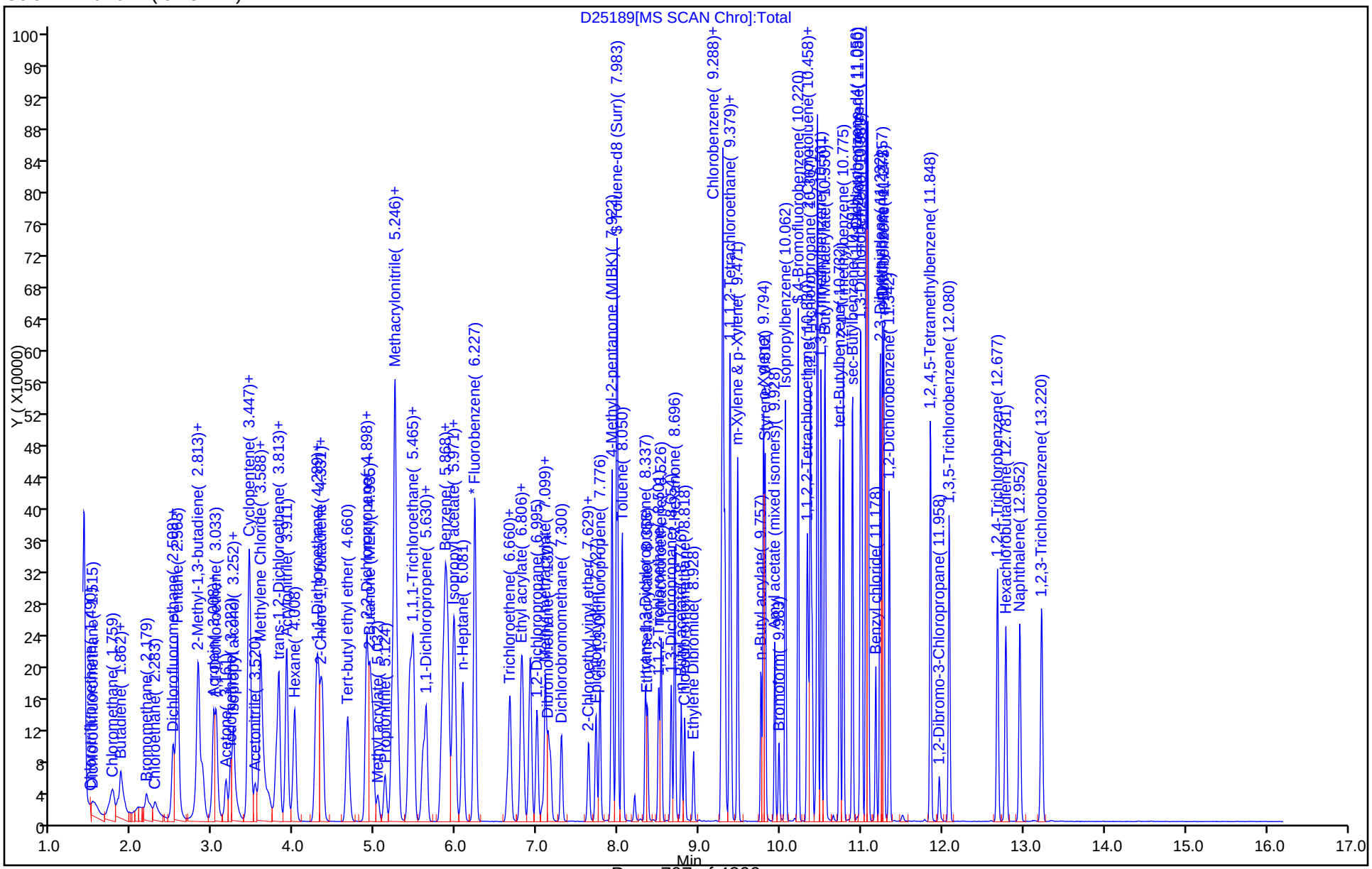
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385824/2 Calibration Date: 08/19/2016 21:32

Instrument ID: CVOAMS8 Calib Start Date: 08/10/2016 21:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/11/2016 03:30

Lab File ID: J44632.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Qua		0.0363		22.3	20.0	11.4	20.0
Dichlorodifluoromethane	Ave	0.2599	0.2294	0.1000	17.7	20.0	-11.7	20.0
Chloromethane	Ave	0.3088	0.3116	0.1000	20.2	20.0	0.9	20.0
Vinyl chloride	Ave	0.2818	0.2864	0.1000	20.3	20.0	1.6	20.0
Butadiene	Ave	0.2463	0.2522		20.5	20.0	2.4	20.0
Bromomethane	Ave	0.1658	0.1722	0.1000	20.8	20.0	3.8	50.0
Chloroethane	Ave	0.1531	0.1649	0.1000	21.5	20.0	7.7	50.0
Dichlorofluoromethane	Ave	0.4140	0.4332		20.9	20.0	4.7	20.0
Trichlorofluoromethane	Ave	0.3310	0.3335	0.1000	20.2	20.0	0.8	20.0
Pentane	Qua		1.807		61.1	40.0	52.9*	20.0
Ethanol	Ave	0.0413	0.0353		684	800	-14.5	50.0
Ethyl ether	Ave	0.1846	0.1867		20.2	20.0	1.2	20.0
2-Methyl-1,3-butadiene	Ave	0.1818	0.2067		22.7	20.0	13.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.1727	0.1827		21.2	20.0	5.8	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Lin		0.2039	0.1000	24.4	20.0	22.2*	20.0
Acrolein	Ave	1.927	2.293		47.6	40.0	19.0	50.0
1,1-Dichloroethene	Ave	0.2142	0.2186	0.1000	20.4	20.0	2.1	20.0
Acetone	Ave	0.8595	0.6982	0.0500	81.2	100	-18.8	50.0
Iodomethane	Ave	0.3233	0.3101		19.2	20.0	-4.1	20.0
Carbon disulfide	Ave	0.7685	0.7668	0.1000	20.0	20.0	-0.2	50.0
Isopropyl alcohol	Ave	0.6555	0.6552		200	200	-0.0	50.0
Allyl chloride	Ave	0.1284	0.1363		21.2	20.0	6.2	20.0
Cyclopentene	Ave	0.5331	0.5753		21.6	20.0	7.9	20.0
Methyl acetate	Ave	0.1546	0.1599	0.1000	103	100	3.4	20.0
Acetonitrile	Ave	1.466	1.605		219	200	9.5	20.0
Methylene Chloride	Ave	0.2456	0.2429	0.1000	19.8	20.0	-1.1	20.0
2-Methyl-2-propanol	Lin2		1.236		237	200	18.6	50.0
Methyl tert-butyl ether	Ave	0.6673	0.6509	0.1000	19.5	20.0	-2.5	20.0
trans-1,2-Dichloroethene	Ave	0.2380	0.2380	0.1000	20.0	20.0	-0.0	20.0
Acrylonitrile	Ave	4.325	4.947		229	200	14.4	20.0
Hexane	QuaF		0.2034		25.2	20.0	26.0*	20.0
Isopropyl ether	Ave	0.7083	0.7814		22.1	20.0	10.3	20.0
1,1-Dichloroethane	Ave	0.4364	0.4509	0.2000	20.7	20.0	3.3	20.0
Vinyl acetate	Ave	0.3478	0.4391		50.5	40.0	26.2*	20.0
2-Chloro-1,3-butadiene	Ave	0.1999	0.2191		21.9	20.0	9.6	20.0
Tert-butyl ethyl ether	Ave	0.7328	0.7650		20.9	20.0	4.4	20.0
2,2-Dichloropropane	Qua2		0.1191		22.3	20.0	11.4	20.0
cis-1,2-Dichloroethene	Ave	0.2642	0.2593	0.1000	19.6	20.0	-1.9	20.0
2-Butanone (MEK)	Ave	0.2879	0.2788	0.0500	96.8	100	-3.2	50.0
Ethyl acetate	Ave	0.3182	0.2910		36.6	40.0	-8.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385824/2 Calibration Date: 08/19/2016 21:32

Instrument ID: CVOAMS8 Calib Start Date: 08/10/2016 21:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/11/2016 03:30

Lab File ID: J44632.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl acrylate	Ave	0.2032	0.2018		19.9	20.0	-0.7	20.0
Propionitrile	Ave	1.610	1.858		231	200	15.4	20.0
Tetrahydrofuran	Ave	0.3255	0.3059		37.6	40.0	-6.0	20.0
Chlorobromomethane	Ave	0.1274	0.1227		19.3	20.0	-3.7	20.0
Methacrylonitrile	Ave	0.0896	0.0939		210	200	4.8	20.0
Chloroform	Ave	0.4083	0.4051	0.2000	19.8	20.0	-0.8	20.0
Cyclohexane	QuaF		0.3222	0.1000	21.5	20.0	7.5	50.0
1,1,1-Trichloroethane	Ave	0.3360	0.3395	0.1000	20.2	20.0	1.1	20.0
Carbon tetrachloride	Ave	0.2690	0.2771	0.1000	20.6	20.0	3.0	20.0
1,1-Dichloropropene	Ave	0.3084	0.3277		21.3	20.0	6.3	20.0
Isobutyl alcohol	Ave	0.5474	0.6222		568	500	13.7	50.0
2,2,4-Trimethylpentane	Ave	0.3236	0.4148		25.6	20.0	28.2*	20.0
Benzene	Ave	1.224	1.307	0.5000	21.4	20.0	6.8	20.0
Isopropyl acetate	Ave	0.6366	0.6368		20.0	20.0	0.0	20.0
Tert-amyl methyl ether	Ave	0.6747	0.6859		20.3	20.0	1.7	20.0
1,2-Dichloroethane	Ave	0.3333	0.3129	0.1000	18.8	20.0	-6.1	20.0
n-Heptane	QuaF		0.0875		24.1	20.0	20.4*	20.0
n-Butanol	Ave	0.2916	0.2838		487	500	-2.7	50.0
Trichloroethene	Ave	0.2467	0.2438	0.2000	19.8	20.0	-1.2	20.0
Methylcyclohexane	QuaF		0.2532	0.1000	22.5	20.0	12.4	50.0
Ethyl acrylate	Ave	0.4191	0.4810		23.0	20.0	14.8	20.0
1,2-Dichloropropane	Ave	0.2427	0.2499	0.1000	20.6	20.0	3.0	20.0
Methyl methacrylate	Ave	0.0704	0.0680		38.7	40.0	-3.3	20.0
1,4-Dioxane	Ave	0.8710	0.9647		443	400	10.8	50.0
Dibromomethane	Ave	0.1508	0.1429		18.9	20.0	-5.3	20.0
n-Propyl acetate	Ave	0.3160	0.3049		19.3	20.0	-3.5	20.0
Dichlorobromomethane	Ave	0.3329	0.3114	0.2000	18.7	20.0	-6.5	20.0
2-Chloroethyl vinyl ether	Ave	0.1561	0.1591		20.4	20.0	1.9	20.0
2-Nitropropane	Ave	0.0722	0.0622		34.4	40.0	-13.9	20.0
Epichlorohydrin	Ave	0.2561	0.2591		405	400	1.1	20.0
cis-1,3-Dichloropropene	Ave	0.5345	0.5432	0.2000	20.3	20.0	1.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.303	2.340	0.0500	102	100	1.6	50.0
Toluene	Ave	1.327	1.391	0.4000	21.0	20.0	4.8	20.0
trans-1,3-Dichloropropene	Ave	0.4863	0.4835	0.1000	19.9	20.0	-0.6	50.0
Ethyl methacrylate	Ave	0.3143	0.2991		19.0	20.0	-4.8	20.0
1,1,2-Trichloroethane	Ave	0.2487	0.2450	0.1000	19.7	20.0	-1.5	20.0
Tetrachloroethene	Ave	0.2811	0.3007	0.2000	21.4	20.0	7.0	20.0
1,3-Dichloropropane	Ave	0.4668	0.4790		20.5	20.0	2.6	20.0
2-Hexanone	Ave	0.9691	0.9192	0.0500	94.9	100	-5.1	50.0
n-Butyl acetate	Ave	0.4471	0.4620		20.7	20.0	3.3	20.0
Chlorodibromomethane	Ave	0.3351	0.3001	0.1000	17.9	20.0	-10.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385824/2 Calibration Date: 08/19/2016 21:32

Instrument ID: CVOAMS8 Calib Start Date: 08/10/2016 21:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/11/2016 03:30

Lab File ID: J44632.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	0.2936	0.2768	0.1000	18.9	20.0	-5.7	20.0
Chlorobenzene	Ave	0.8670	0.8974	0.5000	20.7	20.0	3.5	20.0
Ethylbenzene	Ave	0.4267	0.4442	0.1000	20.8	20.0	4.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3113	0.3020		19.4	20.0	-3.0	20.0
m-Xylene & p-Xylene	Ave	0.5464	0.5677	0.1000	20.8	20.0	3.9	20.0
n-Butyl acrylate	Ave	0.2534	0.2491		19.7	20.0	-1.7	20.0
o-Xylene	Ave	0.5427	0.5799	0.3000	21.4	20.0	6.9	20.0
Styrene	Ave	0.9771	1.007	0.3000	20.6	20.0	3.1	20.0
Amyl acetate (mixed isomers)	Ave	0.9383	1.042		22.2	20.0	11.0	20.0
Bromoform	Ave	0.2289	0.1871	0.1000	16.3	20.0	-18.3	20.0
Isopropylbenzene	Ave	1.141	1.209	0.1000	21.2	20.0	6.0	20.0
Bromobenzene	Ave	0.6520	0.7160		22.0	20.0	9.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6297	0.6838	0.3000	21.7	20.0	8.6	20.0
N-Propylbenzene	Ave	2.230	2.511		22.5	20.0	12.6	20.0
1,2,3-Trichloropropane	Ave	0.1885	0.1800		19.1	20.0	-4.5	20.0
trans-1,4-Dichloro-2-butene	Qua2		0.1807		20.2	20.0	0.8	20.0
2-Chlorotoluene	Ave	1.787	1.988		22.3	20.0	11.3	20.0
4-Ethyltoluene	Ave	2.019	2.295		22.7	20.0	13.6	20.0
1,3,5-Trimethylbenzene	Ave	1.750	1.911		21.8	20.0	9.2	20.0
4-Chlorotoluene	Ave	1.723	1.900		22.1	20.0	10.3	20.0
Butyl Methacrylate	Ave	0.7962	0.8863		22.3	20.0	11.3	20.0
tert-Butylbenzene	Ave	1.282	1.463		22.8	20.0	14.1	20.0
1,2,4-Trimethylbenzene	Ave	1.866	2.047		21.9	20.0	9.7	20.0
sec-Butylbenzene	Ave	1.662	1.928		23.2	20.0	16.0	20.0
4-Isopropyltoluene	Ave	1.569	1.771		22.6	20.0	12.9	20.0
1,3-Dichlorobenzene	Ave	1.112	1.207	0.6000	21.7	20.0	8.6	20.0
1,4-Dichlorobenzene	Ave	1.140	1.216	0.5000	21.3	20.0	6.7	20.0
Benzyl chloride	Ave	1.271	1.460		23.0	20.0	14.9	50.0
Indan	Ave	2.173	2.424		22.3	20.0	11.5	20.0
p-Diethylbenzene	Ave	0.9675	1.067		22.1	20.0	10.3	20.0
n-Butylbenzene	Ave	1.580	1.830		23.2	20.0	15.8	20.0
1,2-Dichlorobenzene	Ave	1.122	1.170	0.4000	20.9	20.0	4.3	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.589	1.780		22.4	20.0	12.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1108	0.0977	0.0500	17.6	20.0	-11.8	50.0
1,3,5-Trichlorobenzene	Ave	0.6287	0.6563		20.9	20.0	4.4	20.0
1,2,4-Trichlorobenzene	Ave	0.5716	0.5832	0.2000	20.4	20.0	2.0	20.0
Hexachlorobutadiene	QuaF		0.2446		21.7	20.0	8.6	20.0
Naphthalene	Ave	1.433	1.548		21.6	20.0	8.0	50.0
1,2,3-Trichlorobenzene	Ave	0.4678	0.4666		19.9	20.0	-0.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2359	0.2214		46.9	50.0	-6.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2800	0.2715		48.5	50.0	-3.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385824/2 Calibration Date: 08/19/2016 21:32

Instrument ID: CVOAMS8 Calib Start Date: 08/10/2016 21:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/11/2016 03:30

Lab File ID: J44632.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene-d8 (Surr)	Ave	1.296	1.286		49.6	50.0	-0.8	20.0
4-Bromofluorobenzene	Ave	0.4140	0.4114		49.7	50.0	-0.6	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44632.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Aug-2016 21:32:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0044659-002
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub49

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 23:29:21 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: starzecm Date: 19-Aug-2016 23:29:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.641	0.641	0.000	95	14068	20.0	22.3	
2 Dichlorodifluoromethane	85	0.676	0.676	0.000	98	88867	20.0	17.7	
3 Chloromethane	50	0.882	0.882	0.000	99	120689	20.0	20.2	
4 Vinyl chloride	62	0.994	0.994	0.000	98	110931	20.0	20.3	
5 Butadiene	54	1.029	1.029	0.000	98	97662	20.0	20.5	
6 Bromomethane	94	1.358	1.358	0.000	98	66698	20.0	20.8	
7 Chloroethane	64	1.464	1.464	0.000	100	63855	20.0	21.5	
8 Dichlorofluoromethane	67	1.693	1.693	0.000	99	167797	20.0	20.9	
9 Trichlorofluoromethane	101	1.693	1.693	0.000	98	129173	20.0	20.2	
10 Pentane	72	1.758	1.758	0.000	94	22958	40.0	61.1	
11 Ethanol	46	1.957	1.957	0.000	99	8978	800.0	684.2	
12 Ethyl ether	59	2.010	2.010	0.000	96	72321	20.0	20.2	
13 2-Methyl-1,3-butadiene	53	2.028	2.028	0.000	97	80051	20.0	22.7	
14 1,2-Dichloro-1,1,2-trifluo	117	2.075	2.075	0.000	93	70772	20.0	21.2	
15 1,1,2-Trichloro-1,2,2-trif	101	2.222	2.222	0.000	96	78976	20.0	24.4	
16 Acrolein	56	2.233	2.233	0.000	73	29139	40.0	47.6	
17 1,1-Dichloroethene	96	2.263	2.263	0.000	97	84673	20.0	20.4	
18 Acetone	43	2.392	2.392	0.000	86	116140	100.0	81.2	
19 Iodomethane	142	2.451	2.451	0.000	98	120091	20.0	19.2	
20 Carbon disulfide	76	2.486	2.486	0.000	99	296985	20.0	20.0	
21 Isopropyl alcohol	45	2.515	2.515	0.000	98	41635	200.0	199.9	
22 3-Chloro-1-propene	76	2.686	2.686	0.000	91	52783	20.0	21.2	
24 Cyclopentene	67	2.698	2.698	0.000	92	222813	20.0	21.6	
23 Methyl acetate	43	2.703	2.703	0.000	100	309584	100.0	103.4	
25 Acetonitrile	41	2.774	2.774	0.000	98	101996	200.0	219.0	
27 Methylene Chloride	84	2.844	2.844	0.000	92	94070	20.0	19.8	
* 26 TBA-d9 (IS)	65	2.844	2.844	0.000	94	317711	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.933	2.933	0.000	98	78561	200.0	237.2	
29 Methyl tert-butyl ether	73	3.050	3.050	0.000	97	252109	20.0	19.5	
30 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	96	92178	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.185	3.185	0.000	95	314372	200.0	228.8	
32 Hexane	57	3.273	3.273	0.000	93	78763	20.0	25.2	
33 Isopropyl ether	45	3.550	3.550	0.000	97	302641	20.0	22.1	
34 1,1-Dichloroethane	63	3.585	3.585	0.000	99	174640	20.0	20.7	
35 Vinyl acetate	43	3.614	3.614	0.000	100	340096	40.0	50.5	
36 2-Chloro-1,3-butadiene	88	3.638	3.638	0.000	91	84865	20.0	21.9	
37 Tert-butyl ethyl ether	59	3.937	3.937	0.000	88	296306	20.0	20.9	
39 2,2-Dichloropropane	79	4.184	4.184	0.000	63	46141	20.0	22.3	
* 38 2-Butanone-d5	46	4.190	4.190	0.000	100	415878	250.0	250.0	
40 cis-1,2-Dichloroethene	96	4.231	4.231	0.000	98	100443	20.0	19.6	
41 2-Butanone (MEK)	72	4.255	4.255	0.000	97	46378	100.0	96.8	
42 Ethyl acetate	70	4.266	4.266	0.000	96	19361	40.0	36.6	
43 Methyl acrylate	55	4.331	4.331	0.000	100	78150	20.0	19.9	
44 Propionitrile	54	4.419	4.419	0.000	98	118078	200.0	230.8	
45 Tetrahydrofuran	72	4.495	4.495	0.000	83	20355	40.0	37.6	
46 Chlorobromomethane	128	4.501	4.501	0.000	92	47533	20.0	19.3	
47 Methacrylonitrile	67	4.543	4.543	0.000	92	363782	200.0	209.6	
48 Chloroform	83	4.572	4.572	0.000	99	156916	20.0	19.8	
49 Cyclohexane	56	4.701	4.701	0.000	91	124785	20.0	21.5	
50 1,1,1-Trichloroethane	97	4.725	4.725	0.000	98	131504	20.0	20.2	
$ 51 Dibromofluoromethane (Surr	113	4.760	4.760	0.000	96	214326	50.0	46.9	
52 Carbon tetrachloride	117	4.872	4.872	0.000	97	107312	20.0	20.6	
53 1,1-Dichloropropene	75	4.913	4.913	0.000	96	126934	20.0	21.3	
54 Isobutyl alcohol	43	5.077	5.077	0.000	96	98845	500.0	568.4	
55 Isooctane	57	5.107	5.107	0.000	98	160650	20.0	25.6	
56 Benzene	78	5.154	5.154	0.000	96	388635	20.0	21.4	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.177	5.177	0.000	98	262893	50.0	48.5	
59 Tert-amyl methyl ether	73	5.230	5.230	0.000	77	265667	20.0	20.3	
58 Isopropyl acetate	43	5.230	5.230	0.000	91	246649	20.0	20.0	
60 1,2-Dichloroethane	62	5.265	5.265	0.000	96	121202	20.0	18.8	
61 n-Heptane	57	5.336	5.336	0.000	94	33885	20.0	24.1	
* 62 Fluorobenzene	96	5.494	5.494	0.000	98	968283	50.0	50.0	
63 n-Butanol	56	5.859	5.859	0.000	88	45075	500.0	486.5	
64 Trichloroethene	95	5.900	5.900	0.000	99	94413	20.0	19.8	
66 Methylcyclohexane	83	6.035	6.035	0.000	97	98069	20.0	22.5	
65 Ethyl acrylate	55	6.047	6.047	0.000	99	186283	20.0	23.0	
67 1,2-Dichloropropane	63	6.241	6.241	0.000	88	96806	20.0	20.6	
* 68 1,4-Dioxane-d8	96	6.311	6.311	0.000	92	42603	1000.0	1000.0	
69 Methyl methacrylate	100	6.329	6.329	0.000	93	52698	40.0	38.7	
70 1,4-Dioxane	88	6.364	6.364	0.000	86	16440	400.0	443.0	
72 Dibromomethane	93	6.387	6.387	0.000	96	55331	20.0	18.9	
71 n-Propyl acetate	43	6.393	6.393	0.000	99	118090	20.0	19.3	
73 Dichlorobromomethane	83	6.552	6.552	0.000	100	120593	20.0	18.7	
74 2-Chloroethyl vinyl ether	63	6.946	6.946	0.000	75	61626	20.0	20.4	
75 2-Nitropropane	41	6.946	6.946	0.000	79	48165	40.0	34.4	
76 Epichlorohydrin	57	7.069	7.069	0.000	99	172381	400.0	404.6	
77 cis-1,3-Dichloropropene	75	7.122	7.122	0.000	94	161468	20.0	20.3	
78 4-Methyl-2-pentanone (MIBK	43	7.310	7.310	0.000	97	389306	100.0	101.6	
$ 79 Toluene-d8 (Surr)	98	7.392	7.392	0.000	99	955653	50.0	49.6	
80 Toluene	91	7.480	7.480	0.000	94	413476	20.0	21.0	
81 trans-1,3-Dichloropropene	75	7.868	7.868	0.000	96	143720	20.0	19.9	
82 Ethyl methacrylate	69	7.903	7.903	0.000	89	115845	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	8.109	8.109	0.000	96	72838	20.0	19.7	
84 Tetrachloroethene	166	8.144	8.144	0.000	96	89381	20.0	21.4	
85 1,3-Dichloropropane	76	8.338	8.338	0.000	95	142399	20.0	20.5	
86 2-Hexanone	58	8.403	8.403	0.000	99	152913	100.0	94.9	
87 n-Butyl acetate	43	8.520	8.520	0.000	99	137340	20.0	20.7	
88 Chlorodibromomethane	129	8.591	8.591	0.000	98	89200	20.0	17.9	
89 Ethylene Dibromide	107	8.755	8.755	0.000	99	82295	20.0	18.9	
* 90 Chlorobenzene-d5	117	9.325	9.325	0.000	86	743193	50.0	50.0	
91 Chlorobenzene	112	9.360	9.360	0.000	94	266765	20.0	20.7	
92 Ethylbenzene	106	9.449	9.449	0.000	99	132049	20.0	20.8	
93 1,1,1,2-Tetrachloroethane	131	9.466	9.466	0.000	96	89776	20.0	19.4	
94 m-Xylene & p-Xylene	106	9.590	9.590	0.000	96	168760	20.0	20.8	
95 n-Butyl acrylate	73	9.977	9.977	0.000	98	74055	20.0	19.7	
96 o-Xylene	106	10.001	10.001	0.000	93	172402	20.0	21.4	
97 Styrene	104	10.030	10.030	0.000	96	299368	20.0	20.6	
98 Amyl acetate (mixed isomer	43	10.189	10.189	0.000	92	168439	20.0	22.2	
99 Bromoform	173	10.230	10.230	0.000	97	55607	20.0	16.3	
100 Isopropylbenzene	105	10.330	10.330	0.000	96	359545	20.0	21.2	
$ 101 4-Bromofluorobenzene	174	10.512	10.512	0.000	90	305770	50.0	49.7	
102 Bromobenzene	156	10.629	10.629	0.000	98	115781	20.0	22.0	
103 1,1,2,2-Tetrachloroethane	83	10.659	10.659	0.000	99	110572	20.0	21.7	
104 N-Propylbenzene	91	10.682	10.682	0.000	99	406121	20.0	22.5	
105 1,2,3-Trichloropropane	110	10.706	10.706	0.000	96	29102	20.0	19.1	
106 trans-1,4-Dichloro-2-buten	53	10.718	10.718	0.000	92	29216	20.0	20.2	
107 4-Ethyltoluene	105	10.776	10.776	0.000	88	371047	20.0	22.7	
108 2-Chlorotoluene	91	10.776	10.776	0.000	95	321447	20.0	22.3	
109 1,3,5-Trimethylbenzene	105	10.829	10.829	0.000	94	308951	20.0	21.8	
110 4-Chlorotoluene	91	10.870	10.870	0.000	97	307224	20.0	22.1	
111 Butyl Methacrylate	87	10.894	10.894	0.000	92	143313	20.0	22.3	
112 tert-Butylbenzene	119	11.064	11.064	0.000	94	236528	20.0	22.8	
113 1,2,4-Trimethylbenzene	105	11.111	11.111	0.000	97	330959	20.0	21.9	
114 sec-Butylbenzene	105	11.223	11.223	0.000	99	311753	20.0	23.2	
115 4-Isopropyltoluene	119	11.323	11.323	0.000	98	286382	20.0	22.6	
116 1,3-Dichlorobenzene	146	11.335	11.335	0.000	96	195254	20.0	21.7	
* 117 1,4-Dichlorobenzene-d4	152	11.387	11.387	0.000	96	404270	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.405	11.405	0.000	95	196628	20.0	21.3	
119 Benzyl chloride	91	11.505	11.505	0.000	98	236083	20.0	23.0	
120 2,3-Dihydroindene	117	11.552	11.552	0.000	94	391914	20.0	22.3	
121 p-Diethylbenzene	119	11.581	11.581	0.000	93	172501	20.0	22.1	
122 n-Butylbenzene	91	11.599	11.599	0.000	96	295937	20.0	23.2	
123 1,2-Dichlorobenzene	146	11.658	11.658	0.000	95	189207	20.0	20.9	
124 1,2,4,5-Tetramethylbenzene	119	12.098	12.098	0.000	97	287802	20.0	22.4	
125 1,2-Dibromo-3-Chloropropan	155	12.198	12.198	0.000	95	15790	20.0	17.6	
126 1,3,5-Trichlorobenzene	180	12.286	12.286	0.000	97	106135	20.0	20.9	
127 1,2,4-Trichlorobenzene	180	12.745	12.745	0.000	94	94310	20.0	20.4	
128 Hexachlorobutadiene	225	12.809	12.809	0.000	96	39548	20.0	21.7	
129 Naphthalene	128	12.950	12.950	0.000	100	250275	20.0	21.6	
130 1,2,3-Trichlorobenzene	180	13.138	13.138	0.000	96	75445	20.0	19.9	
S 131 1,2-Dichloroethene, Total	100				0		40.0	39.6	
S 132 Xylenes, Total	100				0		40.0	42.2	
S 133 Total BTEX	1				0		100.0	105.3	

Reagents:

GASES Li_00167	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	20.00	Units: uL	
ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

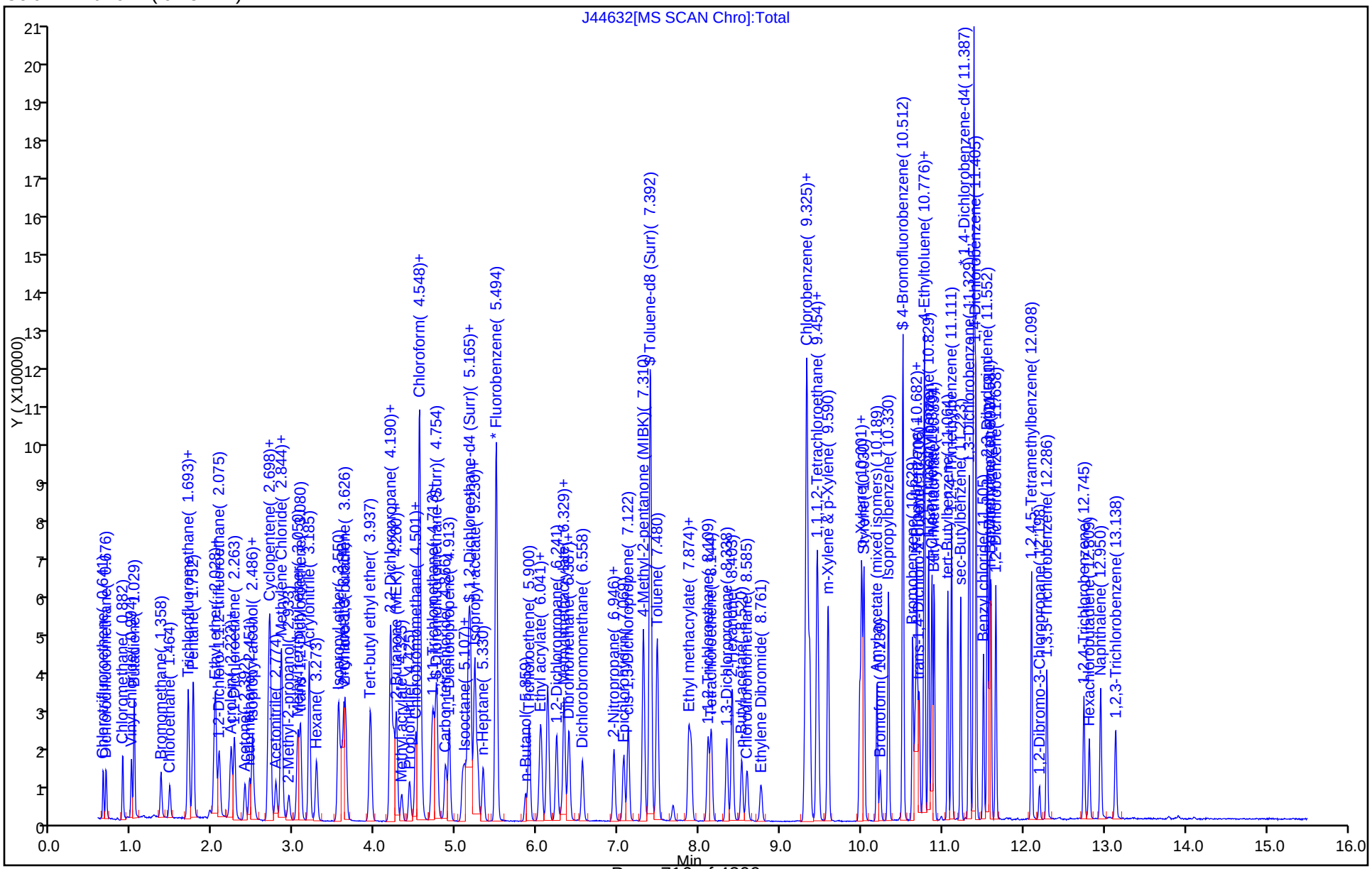
Report Date: 19-Aug-2016 23:29:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44632.D

Injection Date:	19-Aug-2016 21:32:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385947/2 Calibration Date: 08/21/2016 05:50

Instrument ID: CVOAMS9 Calib Start Date: 07/26/2016 23:50

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/27/2016 02:17

Lab File ID: K56988.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1087	0.1075		19.8	20.0	-1.1	20.0
Dichlorodifluoromethane	Ave	0.6080	0.6559	0.1000	21.6	20.0	7.9	20.0
Chloromethane	Ave	0.6687	0.6198	0.1000	18.5	20.0	-7.3	20.0
Butadiene	Ave	0.4748	0.4422		18.6	20.0	-6.9	20.0
Vinyl chloride	Ave	0.7049	0.6617	0.1000	18.8	20.0	-6.1	20.0
Bromomethane	Ave	0.5197	0.6379	0.1000	24.5	20.0	22.7	50.0
Chloroethane	Ave	0.3675	0.4261	0.1000	23.2	20.0	16.0	50.0
Dichlorofluoromethane	Ave	0.8930	0.9820		22.0	20.0	10.0	20.0
Trichlorofluoromethane	Ave	0.7980	0.8406	0.1000	21.1	20.0	5.3	20.0
Pentane	Ave	0.0630	0.0635		40.3	40.0	0.7	20.0
Ethanol	Ave	0.0527	0.0556		844	800	5.5	50.0
Ethyl ether	Ave	0.2536	0.2517		19.8	20.0	-0.8	20.0
2-Methyl-1,3-butadiene	Ave	0.3186	0.3142		19.7	20.0	-1.4	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2920	0.3629		24.9	20.0	24.3*	20.0
Acrolein	Ave	1.693	1.312		233	300	-22.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.4087	0.4804	0.1000	23.5	20.0	17.5	20.0
1,1-Dichloroethene	Ave	0.3263	0.3584	0.1000	22.0	20.0	9.8	20.0
Acetone	Ave	0.996	1.090	0.0500	109	100	9.4	50.0
Iodomethane	Ave	0.6218	0.7443		23.9	20.0	19.7	20.0
Isopropyl alcohol	Ave	0.8394	0.7570		180	200	-9.8	50.0
Carbon disulfide	Ave	1.279	1.403	0.1000	22.0	20.0	9.8	50.0
Allyl chloride	Ave	0.2194	0.2364		21.6	20.0	7.8	20.0
Methyl acetate	Ave	0.2392	0.2385	0.1000	99.7	100	-0.3	20.0
Cyclopentene	Ave	0.8180	0.8748		21.4	20.0	6.9	20.0
Acetonitrile	Ave	1.843	1.841		200	200	-0.1	20.0
Methylene Chloride	Lin2		0.3987	0.1000	21.5	20.0	7.6	20.0
TBA	Ave	1.591	1.490		187	200	-6.4	50.0
Methyl tert-butyl ether	Ave	0.9712	1.012	0.1000	20.8	20.0	4.2	20.0
trans-1,2-Dichloroethene	Ave	0.3268	0.3524	0.1000	21.6	20.0	7.9	20.0
Acrylonitrile	Ave	0.1220	0.1221		200	200	0.0	20.0
Hexane	Ave	0.3372	0.3425		20.3	20.0	1.6	20.0
Isopropyl ether	Ave	1.229	1.133		18.4	20.0	-7.9	20.0
1,1-Dichloroethane	Ave	0.6416	0.6573	0.2000	20.5	20.0	2.4	20.0
Vinyl acetate	Ave	0.6813	0.6049		35.5	40.0	-11.2	20.0
2-Chloro-1,3-butadiene	Ave	0.2919	0.2988		20.5	20.0	2.4	20.0
Tert-butyl ethyl ether	Ave	1.098	1.023		18.6	20.0	-6.8	20.0
2,2-Dichloropropane	QuaF		0.1996		21.8	20.0	8.8	20.0
cis-1,2-Dichloroethene	Ave	0.3759	0.3961	0.1000	21.1	20.0	5.4	20.0
2-Butanone (MEK)	Ave	0.3481	0.3758	0.0500	108	100	7.9	50.0
Ethyl acetate	QuaF		0.2786		41.1	40.0	2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385947/2 Calibration Date: 08/21/2016 05:50

Instrument ID: CVOAMS9 Calib Start Date: 07/26/2016 23:50

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/27/2016 02:17

Lab File ID: K56988.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl acrylate	Ave	0.2726	0.2429		17.8	20.0	-10.9	20.0
Propionitrile	Ave	1.539	1.415		184	200	-8.1	20.0
Tetrahydrofuran	Ave	0.4260	0.4862		45.7	40.0	14.1	20.0
Chlorobromomethane	Ave	0.1894	0.2043		21.6	20.0	7.8	20.0
Methacrylonitrile	Ave	0.1387	0.1337		193	200	-3.6	20.0
Chloroform	Ave	0.6374	0.6698	0.2000	21.0	20.0	5.1	20.0
Cyclohexane	Ave	0.6736	0.7023	0.1000	20.9	20.0	4.3	50.0
1,1,1-Trichloroethane	Ave	0.5638	0.6359	0.1000	22.6	20.0	12.8	20.0
Carbon tetrachloride	Ave	0.4008	0.5348	0.1000	26.7	20.0	33.4*	20.0
1,1-Dichloropropene	Ave	0.4743	0.5024		21.2	20.0	5.9	20.0
Isobutyl alcohol	QuaF		0.3143		465	500	-7.1	20.0
Benzene	Ave	1.740	1.704	0.5000	19.6	20.0	-2.0	20.0
Isopropyl acetate	Ave	1.234	1.170		19.0	20.0	-5.2	20.0
Tert-amyl methyl ether	Ave	1.122	1.133		20.2	20.0	1.0	20.0
1,2-Dichloroethane	Ave	0.4833	0.4825	0.1000	20.0	20.0	-0.1	20.0
n-Heptane	Ave	0.3023	0.3084		20.4	20.0	2.0	20.0
n-Butanol	QuaF		0.2517		403	500	-19.4	50.0
Trichloroethene	Ave	0.3437	0.3621	0.2000	21.1	20.0	5.4	20.0
Ethyl acrylate	Ave	0.9243	0.9122		19.7	20.0	-1.3	20.0
Methylcyclohexane	Ave	0.6515	0.7210	0.1000	22.1	20.0	10.7	50.0
1,2-Dichloropropane	Ave	0.3535	0.3475	0.1000	19.7	20.0	-1.7	20.0
Methyl methacrylate	Ave	0.3282	0.3073		37.5	40.0	-6.4	20.0
1,4-Dioxane	Ave	1.766	1.472		333	400	-16.6	50.0
n-Propyl acetate	Ave	0.5185	0.4740		18.3	20.0	-8.6	20.0
Dibromomethane	Ave	0.2325	0.2331		20.1	20.0	0.3	20.0
Dichlorobromomethane	Ave	0.4256	0.4708	0.2000	22.1	20.0	10.6	20.0
2-Chloroethyl vinyl ether	Ave	0.2112	0.1868		17.7	20.0	-11.6	20.0
2-Nitropropane	Ave	0.0477	0.0805		67.6	40.0	68.9*	20.0
Epichlorohydrin	Ave	0.2826	0.3107		440	400	9.9	20.0
cis-1,3-Dichloropropene	Ave	0.6729	0.6036	0.2000	17.9	20.0	-10.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.371	3.461	0.0500	103	100	2.7	50.0
Toluene	Ave	1.897	1.815	0.4000	19.1	20.0	-4.3	20.0
trans-1,3-Dichloropropene	Ave	0.5985	0.5081	0.1000	17.0	20.0	-15.1	50.0
Ethyl methacrylate	Ave	0.4658	0.4271		18.3	20.0	-8.3	20.0
1,1,2-Trichloroethane	Ave	0.3281	0.3016	0.1000	18.4	20.0	-8.1	20.0
Tetrachloroethene	Ave	0.4453	0.5056	0.2000	22.7	20.0	13.5	20.0
1,3-Dichloropropane	Ave	0.6180	0.5523		17.9	20.0	-10.6	20.0
2-Hexanone	Ave	2.201	2.224	0.0500	101	100	1.1	50.0
n-Butyl acetate	Ave	0.6793	0.5937		17.5	20.0	-12.6	20.0
Chlorodibromomethane	Ave	0.3484	0.4233	0.1000	24.3	20.0	21.5	50.0
Ethylene Dibromide	Ave	0.3734	0.3574	0.1000	19.1	20.0	-4.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385947/2 Calibration Date: 08/21/2016 05:50

Instrument ID: CVOAMS9 Calib Start Date: 07/26/2016 23:50

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/27/2016 02:17

Lab File ID: K56988.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	1.215	1.190	0.5000	19.6	20.0	-2.1	20.0
Ethylbenzene	Ave	0.6856	0.6824	0.1000	19.9	20.0	-0.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4209	0.4738		22.5	20.0	12.6	20.0
m-Xylene & p-Xylene	Ave	0.8326	0.8174	0.1000	19.6	20.0	-1.8	20.0
n-Butyl acrylate	QuaF		0.2821		17.3	20.0	-13.5	20.0
o-Xylene	Ave	0.8925	0.8692	0.3000	19.5	20.0	-2.6	20.0
Styrene	Ave	1.388	1.316	0.3000	19.0	20.0	-5.1	20.0
Amyl acetate (mixed isomers)	Ave	1.324	1.064		16.1	20.0	-19.7	20.0
Bromoform	QuaF		0.2930	0.1000	30.7	20.0	53.4*	20.0
Isopropylbenzene	Ave	2.334	2.366	0.1000	20.3	20.0	1.4	20.0
Bromobenzene	Ave	0.9463	0.8791		18.6	20.0	-7.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.011	0.8756	0.3000	17.3	20.0	-13.4	20.0
N-Propylbenzene	Ave	4.658	4.222		18.1	20.0	-9.4	20.0
1,2,3-Trichloropropane	Ave	0.2582	0.2301		17.8	20.0	-10.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2692	0.2323		17.3	20.0	-13.7	20.0
2-Chlorotoluene	Ave	3.231	2.774		17.2	20.0	-14.1	20.0
4-Ethyltoluene	Ave	3.899	3.572		18.3	20.0	-8.4	20.0
1,3,5-Trimethylbenzene	Ave	3.313	3.011		18.2	20.0	-9.1	20.0
4-Chlorotoluene	Ave	2.642	2.292		17.3	20.0	-13.3	20.0
Butyl Methacrylate	QuaF		0.8147		14.0	20.0	-29.9*	20.0
tert-Butylbenzene	Ave	2.653	2.359		17.8	20.0	-11.1	20.0
1,2,4-Trimethylbenzene	Ave	3.522	3.132		17.8	20.0	-11.1	20.0
sec-Butylbenzene	Ave	4.287	4.109		19.2	20.0	-4.2	20.0
4-Isopropyltoluene	Ave	3.880	3.612		18.6	20.0	-6.9	20.0
1,3-Dichlorobenzene	Ave	2.065	1.856	0.6000	18.0	20.0	-10.1	20.0
1,4-Dichlorobenzene	Ave	2.021	1.838	0.5000	18.2	20.0	-9.1	20.0
Benzyl chloride	Ave	1.673	1.363		16.3	20.0	-18.5	50.0
Indan	Ave	3.701	3.416		18.5	20.0	-7.7	20.0
p-Diethylbenzene	Ave	2.436	2.167		17.8	20.0	-11.0	20.0
n-Butylbenzene	Ave	4.744	4.287		18.1	20.0	-9.6	20.0
1,2-Dichlorobenzene	Ave	2.034	1.882	0.4000	18.5	20.0	-7.5	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.987	3.544		17.8	20.0	-11.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1835	0.1698	0.0500	18.5	20.0	-7.5	50.0
1,3,5-Trichlorobenzene	Ave	1.833	1.755		19.1	20.0	-4.3	20.0
1,2,4-Trichlorobenzene	Ave	1.648	1.600	0.2000	19.4	20.0	-2.9	20.0
Hexachlorobutadiene	Ave	0.8330	0.8596		20.6	20.0	3.2	20.0
Naphthalene	Ave	3.382	3.126		18.5	20.0	-7.6	50.0
1,2,3-Trichlorobenzene	Ave	1.348	1.416		21.0	20.0	5.0	20.0
Dibromofluoromethane (Surr)	Ave	0.3612	0.3921		54.3	50.0	8.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4299	0.4061		47.2	50.0	-5.5	20.0
Toluene-d8 (Surr)	Ave	1.678	1.619		48.3	50.0	-3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385947/2 Calibration Date: 08/21/2016 05:50

Instrument ID: CVOAMS9 Calib Start Date: 07/26/2016 23:50

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/27/2016 02:17

Lab File ID: K56988.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene	Ave	0.5416	0.6060		55.9	50.0	11.9	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56988.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Aug-2016 05:50:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0044683-002
Operator ID: Instrument ID: CVOAMS9
Sublist: chrom-8260S9*sub40

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 11:43:06 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:43:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.649	1.649	0.000	90	29669	20.0	19.8	
2 Dichlorodifluoromethane	85	1.679	1.679	0.000	98	180997	20.0	21.6	
3 Chloromethane	50	1.844	1.844	0.000	99	171033	20.0	18.5	
5 Butadiene	54	1.954	1.954	0.000	96	122022	20.0	18.6	
4 Vinyl chloride	62	1.960	1.960	0.000	88	182582	20.0	18.8	
6 Bromomethane	94	2.258	2.258	0.000	99	176006	20.0	24.5	
7 Chloroethane	64	2.332	2.332	0.000	100	117582	20.0	23.2	
9 Dichlorofluoromethane	67	2.527	2.527	0.000	98	270958	20.0	22.0	
8 Trichlorofluoromethane	101	2.545	2.545	0.000	48	231951	20.0	21.1	
10 Pentane	72	2.551	2.551	0.000	94	35014	40.0	40.3	
11 Ethyl ether	59	2.758	2.758	0.000	95	69438	20.0	19.8	
12 Ethanol	46	2.746	2.746	0.000	67	22109	800.0	843.7	
13 2-Methyl-1,3-butadiene	53	2.783	2.783	0.000	96	86691	20.0	19.7	
14 1,2-Dichloro-1,1,2-trifluo	117	2.819	2.819	0.000	93	100132	20.0	24.9	
15 Acrolein	56	2.941	2.941	0.000	97	195664	300.0	232.6	
16 1,1,2-Trichloro-1,2,2-trif	101	2.959	2.959	0.000	97	132552	20.0	23.5	
17 1,1-Dichloroethene	96	2.984	2.984	0.000	95	98885	20.0	22.0	
18 Acetone	43	3.075	3.075	0.000	85	163495	100.0	109.4	
19 Iodomethane	142	3.148	3.148	0.000	99	205384	20.0	23.9	
22 Isopropyl alcohol	45	3.148	3.148	0.000	1	75260	200.0	180.4	
20 Carbon disulfide	76	3.185	3.185	0.000	100	387217	20.0	22.0	
21 3-Chloro-1-propene	76	3.313	3.313	0.000	94	65238	20.0	21.6	
23 Methyl acetate	43	3.319	3.319	0.000	99	329025	100.0	99.7	
24 Cyclopentene	67	3.337	3.337	0.000	94	241389	20.0	21.4	
29 Acetonitrile	41	3.392	3.392	0.000	94	183010	200.0	199.7	
* 25 TBA-d9 (IS)	65	3.435	3.435	0.000	100	497074	1000.0	1000.0	
26 Methylene Chloride	84	3.447	3.447	0.000	95	110022	20.0	21.5	
27 2-Methyl-2-propanol	59	3.502	3.502	0.000	93	148111	200.0	187.3	
28 Methyl tert-butyl ether	73	3.606	3.606	0.000	96	279323	20.0	20.8	
30 trans-1,2-Dichloroethene	96	3.642	3.642	0.000	95	97248	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.715	3.715	0.000	93	336825	200.0	200.1	
32 Hexane	43	3.795	3.795	0.000	92	94496	20.0	20.3	
33 Isopropyl ether	45	4.008	4.008	0.000	97	312531	20.0	18.4	
34 1,1-Dichloroethane	63	4.051	4.051	0.000	98	181371	20.0	20.5	
35 Vinyl acetate	43	4.057	4.057	0.000	100	333838	40.0	35.5	
36 2-Chloro-1,3-butadiene	88	4.099	4.099	0.000	94	82454	20.0	20.5	
37 Tert-butyl ethyl ether	59	4.337	4.337	0.000	88	282391	20.0	18.6	
* 38 2-Butanone-d5	46	4.545	4.545	0.000	100	375012	250.0	250.0	
39 2,2-Dichloropropane	79	4.569	4.569	0.000	94	55069	20.0	21.8	
40 cis-1,2-Dichloroethene	96	4.587	4.587	0.000	91	109299	20.0	21.1	
41 Ethyl acetate	70	4.599	4.599	0.000	94	16718	40.0	41.1	
42 2-Butanone (MEK)	72	4.599	4.599	0.000	95	56365	100.0	107.9	
44 Methyl acrylate	55	4.654	4.654	0.000	99	67019	20.0	17.8	
43 Propionitrile	54	4.740	4.740	0.000	97	140650	200.0	183.8	
45 Tetrahydrofuran	72	4.825	4.825	0.000	67	29174	40.0	45.7	
46 Chlorobromomethane	128	4.831	4.831	0.000	82	56364	20.0	21.6	
47 Methacrylonitrile	67	4.843	4.843	0.000	93	368816	200.0	192.8	
48 Chloroform	83	4.874	4.874	0.000	98	184829	20.0	21.0	
49 Cyclohexane	56	5.026	5.026	0.000	96	193786	20.0	20.9	
50 1,1,1-Trichloroethane	97	5.032	5.032	0.000	97	175457	20.0	22.6	
$ 51 Dibromofluoromethane (Surr	113	5.038	5.038	0.000	0	270492	50.0	54.3	
52 Carbon tetrachloride	117	5.154	5.154	0.000	97	147560	20.0	26.7	
53 1,1-Dichloropropene	75	5.185	5.185	0.000	95	138637	20.0	21.2	
56 Isobutyl alcohol	43	5.294	5.294	0.000	91	78117	500.0	464.5	
54 Benzene	78	5.386	5.386	0.000	97	391426	20.0	19.6	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	98	280166	50.0	47.2	
57 Isopropyl acetate	43	5.422	5.422	0.000	96	322806	20.0	19.0	
58 Tert-amyl methyl ether	73	5.441	5.441	0.000	93	312650	20.0	20.2	
59 1,2-Dichloroethane	62	5.477	5.477	0.000	97	133151	20.0	20.0	
60 n-Heptane	57	5.526	5.526	0.000	93	85086	20.0	20.4	
* 61 Fluorobenzene	96	5.678	5.678	0.000	99	689838	50.0	50.0	
62 n-Butanol	56	5.959	5.959	0.000	95	62553	500.0	403.2	
63 Trichloroethene	95	6.038	6.038	0.000	96	99927	20.0	21.1	
64 Ethyl acrylate	55	6.166	6.166	0.000	97	251706	20.0	19.7	
65 Methylcyclohexane	83	6.172	6.172	0.000	92	198952	20.0	22.1	
66 1,2-Dichloropropane	63	6.337	6.337	0.000	88	95892	20.0	19.7	
* 67 1,4-Dioxane-d8	96	6.392	6.392	0.000	37	43198	1000.0	1000.0	
68 Methyl methacrylate	41	6.392	6.392	0.000	88	169595	40.0	37.5	
70 n-Propyl acetate	43	6.447	6.447	0.000	98	130790	20.0	18.3	
69 1,4-Dioxane	88	6.440	6.440	0.000	30	25430	400.0	333.4	
71 Dibromomethane	93	6.465	6.465	0.000	96	64327	20.0	20.1	
72 Dichlorobromomethane	83	6.617	6.617	0.000	98	129901	20.0	22.1	
73 2-Chloroethyl vinyl ether	63	6.946	6.946	0.000	75	51532	20.0	17.7	
74 2-Nitropropane	41	6.953	6.953	0.000	86	44440	40.0	67.6	
75 Epichlorohydrin	57	7.062	7.062	0.000	99	186412	400.0	439.7	
76 cis-1,3-Dichloropropene	75	7.117	7.117	0.000	98	138641	20.0	17.9	
77 4-Methyl-2-pentanone (MIBK	43	7.282	7.282	0.000	98	519137	100.0	102.7	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	929624	50.0	48.3	
79 Toluene	91	7.452	7.452	0.000	93	416941	20.0	19.1	
80 trans-1,3-Dichloropropene	75	7.794	7.794	0.000	97	116692	20.0	17.0	
81 Ethyl methacrylate	69	7.812	7.812	0.000	90	98095	20.0	18.3	
82 1,1,2-Trichloroethane	83	8.019	8.019	0.000	96	69262	20.0	18.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	8.074	8.074	0.000	97	116134	20.0	22.7	
84 1,3-Dichloropropane	76	8.233	8.233	0.000	95	126844	20.0	17.9	
85 2-Hexanone	43	8.288	8.288	0.000	99	333656	100.0	101.1	
86 n-Butyl acetate	43	8.391	8.391	0.000	98	136370	20.0	17.5	
87 Chlorodibromomethane	129	8.471	8.471	0.000	98	97225	20.0	24.3	
88 Ethylene Dibromide	107	8.635	8.635	0.000	97	82089	20.0	19.1	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	86	574200	50.0	50.0	
90 Chlorobenzene	112	9.220	9.220	0.000	95	273346	20.0	19.6	
92 Ethylbenzene	106	9.312	9.312	0.000	98	156731	20.0	19.9	
91 1,1,1,2-Tetrachloroethane	131	9.324	9.324	0.000	92	108821	20.0	22.5	
93 m-Xylene & p-Xylene	106	9.452	9.452	0.000	97	187741	20.0	19.6	
94 n-Butyl acrylate	73	9.879	9.879	0.000	95	64793	20.0	17.3	
95 o-Xylene	106	9.915	9.915	0.000	94	199639	20.0	19.5	
96 Styrene	104	9.946	9.946	0.000	95	302358	20.0	19.0	
97 Amyl acetate (mixed isomer	43	10.123	10.123	0.000	88	163920	20.0	16.1	
98 Bromoform	173	10.178	10.178	0.000	96	67293	20.0	30.7	
99 Isopropylbenzene	105	10.293	10.293	0.000	96	543519	20.0	20.3	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	347988	50.0	55.9	
101 Bromobenzene	156	10.653	10.653	0.000	90	135492	20.0	18.6	
102 1,1,2,2-Tetrachloroethane	83	10.684	10.684	0.000	97	134949	20.0	17.3	
103 N-Propylbenzene	91	10.714	10.714	0.000	99	650762	20.0	18.1	
104 1,2,3-Trichloropropane	110	10.738	10.738	0.000	96	35462	20.0	17.8	
105 trans-1,4-Dichloro-2-buten	53	10.751	10.751	0.000	87	35800	20.0	17.3	
106 2-Chlorotoluene	91	10.830	10.830	0.000	91	427508	20.0	17.2	
107 4-Ethyltoluene	105	10.830	10.830	0.000	89	550573	20.0	18.3	
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	93	464017	20.0	18.2	
109 4-Chlorotoluene	91	10.940	10.940	0.000	97	353212	20.0	17.3	
110 Butyl Methacrylate	87	10.982	10.982	0.000	97	125562	20.0	14.0	
111 tert-Butylbenzene	119	11.190	11.190	0.000	94	363506	20.0	17.8	
112 1,2,4-Trimethylbenzene	105	11.251	11.251	0.000	98	482779	20.0	17.8	
113 sec-Butylbenzene	105	11.391	11.391	0.000	99	633234	20.0	19.2	
114 4-Isopropyltoluene	119	11.519	11.519	0.000	98	556702	20.0	18.6	
115 1,3-Dichlorobenzene	146	11.531	11.531	0.000	96	286062	20.0	18.0	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	94	385309	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.616	11.616	0.000	95	283233	20.0	18.2	
118 Benzyl chloride	91	11.750	11.750	0.000	98	210085	20.0	16.3	
119 2,3-Dihydroindene	117	11.811	11.811	0.000	94	526506	20.0	18.5	
120 p-Diethylbenzene	119	11.854	11.854	0.000	94	333979	20.0	17.8	
121 n-Butylbenzene	91	11.878	11.878	0.000	97	660653	20.0	18.1	
122 1,2-Dichlorobenzene	146	11.945	11.945	0.000	97	290011	20.0	18.5	
123 1,2,4,5-Tetramethylbenzene	119	12.506	12.506	0.000	97	546272	20.0	17.8	
124 1,2-Dibromo-3-Chloropropan	75	12.604	12.604	0.000	92	26170	20.0	18.5	
125 1,3,5-Trichlorobenzene	180	12.720	12.720	0.000	97	270531	20.0	19.1	
126 1,2,4-Trichlorobenzene	180	13.214	13.214	0.000	93	246617	20.0	19.4	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	96	132491	20.0	20.6	
128 Naphthalene	128	13.415	13.415	0.000	99	481865	20.0	18.5	
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	95	218278	20.0	21.0	
S 130 1,2-Dichloroethene, Total	100				0		40.0	42.6	
S 131 Xylenes, Total	100				0		40.0	39.1	
S 132 Total BTEX	1				0		100.0	97.7	

Reagents:

ACROLEIN W_00053	Amount Added:	3.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
GASES Li_00167	Amount Added:	2.00	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

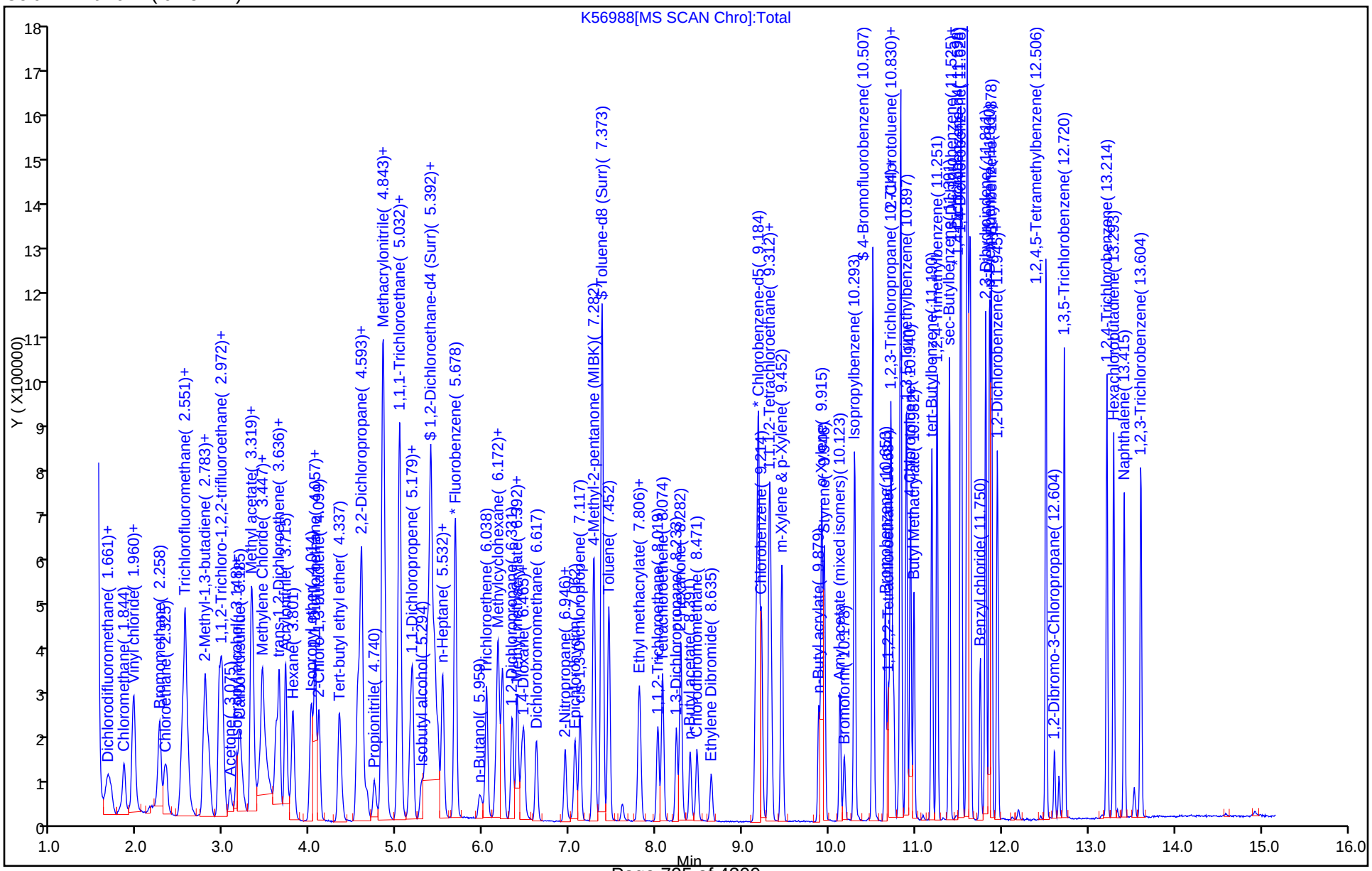
Report Date: 22-Aug-2016 11:43:08 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56988.D

Injection Date:	21-Aug-2016 05:50:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16285.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Aug-2016 10:34:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0044608-001				
Operator ID:		Instrument ID:	CVOAMS13		
Method:	\\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\8260W_13.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	18-Aug-2016 18:47:21	Calib Date:	18-Aug-2016 17:04:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK051				
First Level Reviewer: starzecm		Date:	18-Aug-2016 18:47:21		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 138 BFB	95	2.191	2.181	0.010	86	46734	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

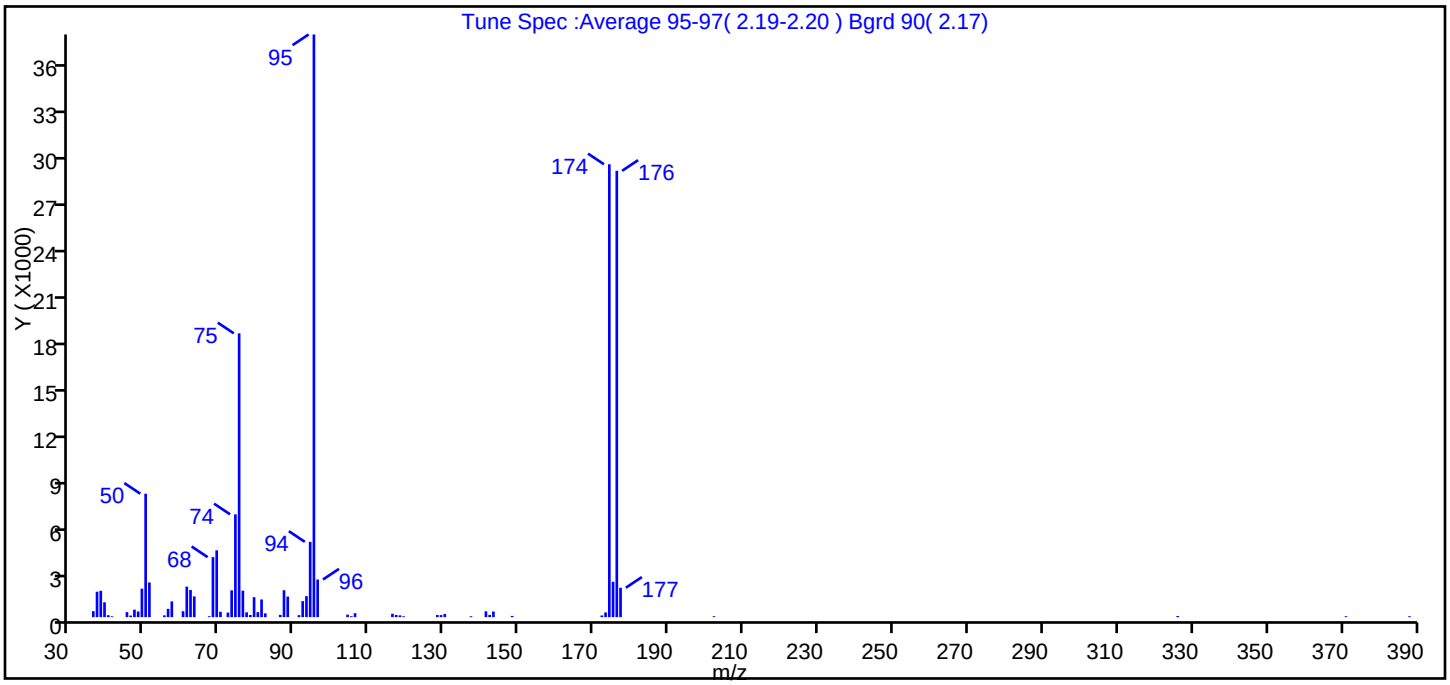
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16285.D
Injection Date: 18-Aug-2016 10:34:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 138 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.2
75	30 to 60% of m/z 95	48.7
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.8 (1.0)
174	50 to 120% of m/z 95	77.7
175	5 to 9% of m/z 174	6.1 (7.8)
176	Greater than 95% but less than 101% of m/z 174	76.6 (98.6)
177	5 to 9% of m/z 176	5.0 (6.6)

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16285.D\8260W_13.rslt\spectra.d
Injection Date: 18-Aug-2016 10:34:30
Spectrum: Tune Spec :Average 95-97(2.19-2.20) Bgrd 90(2.17)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	383	62.00	1732	87.00	1717	137.00	56
37.00	1622	63.00	1322	88.00	1312	141.00	372
38.00	1681	67.00	58	91.00	129	142.00	142
39.00	947	68.00	3827	92.00	1021	143.00	358
40.00	123	69.00	4263	93.00	1340	148.00	79
41.00	50	70.00	345	94.00	4803	172.00	106
45.00	319	72.00	291	95.00	37168	173.00	300
46.00	101	73.00	1711	96.00	2400	174.00	28888
47.00	477	74.00	6559	104.00	159	175.00	2258
48.00	363	75.00	18104	105.00	58	176.00	28472
49.00	1817	76.00	1689	106.00	252	177.00	1876
50.00	7873	77.00	306	116.00	219	202.00	56
51.00	2211	78.00	137	117.00	143	326.00	72
55.00	114	79.00	1275	118.00	114	371.00	57
56.00	529	80.00	320	119.00	55	388.00	59
57.00	1003	81.00	1128	128.00	139		
60.00	377	82.00	240	129.00	131		
61.00	1947	86.00	145	130.00	202		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16393.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Aug-2016 08:05:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0044696-001
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 10:12:56 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 138 BFB	95	2.187	2.187	0.000	84	44213	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

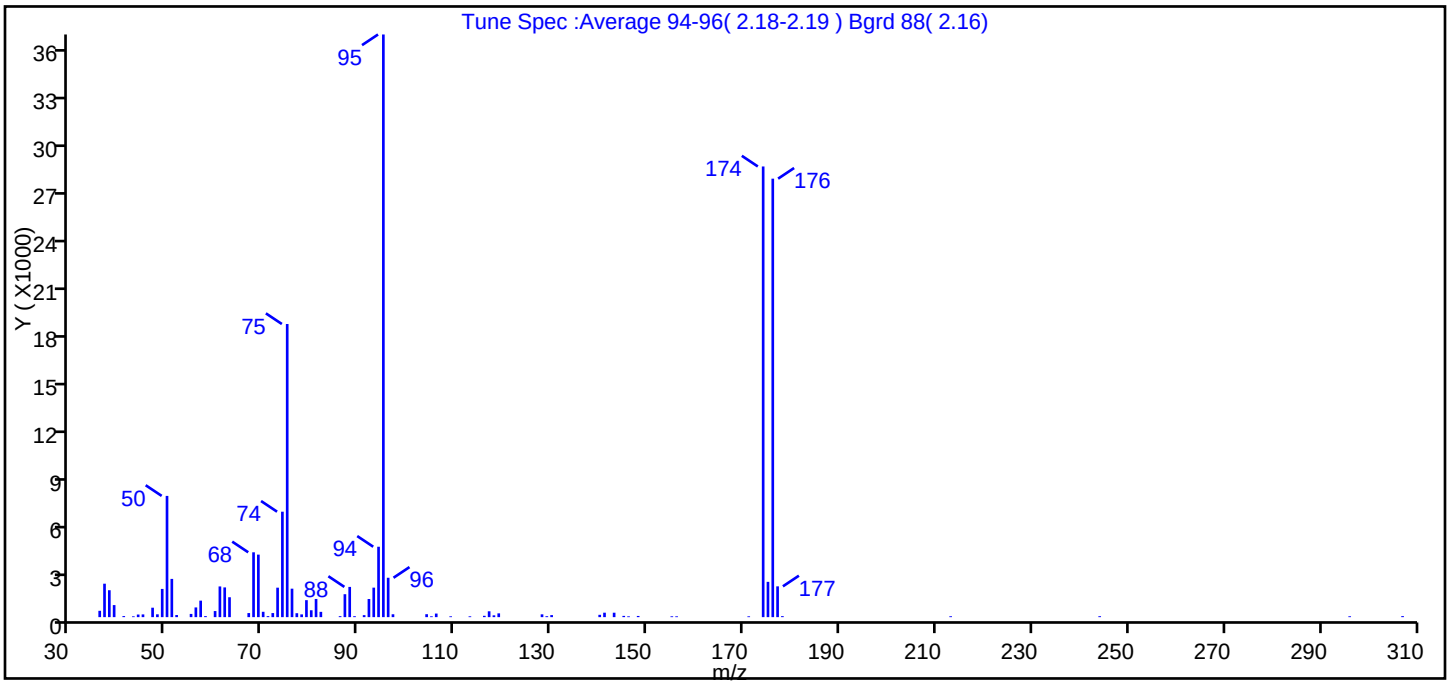
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16393.D
Injection Date: 22-Aug-2016 08:05:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 138 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.8
75	30 to 60% of m/z 95	50.3
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.3
175	5 to 9% of m/z 174	6.1 (7.8)
176	Greater than 95% but less than 101% of m/z 174	75.3 (97.3)
177	5 to 9% of m/z 176	5.3 (7.0)

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16393.D\8260W_13.rslt\spectra.d
Injection Date: 22-Aug-2016 08:05:30
Spectrum: Tune Spec :Average 94-96(2.18-2.19) Bgrd 88(2.16)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	395	62.00	1852	88.00	1884	130.00	127
37.00	2084	63.00	1240	89.00	58	140.00	145
38.00	1677	67.00	254	91.00	125	141.00	277
39.00	751	68.00	4040	92.00	1130	143.00	276
41.00	66	69.00	3896	93.00	1838	145.00	78
43.00	50	70.00	334	94.00	4387	146.00	50
44.00	163	71.00	62	95.00	36304	148.00	74
45.00	171	72.00	254	96.00	2454	155.00	52
47.00	588	73.00	1836	97.00	180	156.00	51
48.00	176	74.00	6570	104.00	184	171.00	50
49.00	1758	75.00	18264	105.00	52	174.00	28080
50.00	7554	76.00	1774	106.00	223	175.00	2199
51.00	2383	77.00	245	109.00	51	176.00	27320
52.00	131	78.00	172	113.00	51	177.00	1919
55.00	201	79.00	1058	116.00	83	178.00	62
56.00	605	80.00	429	117.00	365	213.00	55
57.00	1028	81.00	1133	118.00	113	244.00	58
58.00	64	82.00	330	119.00	236	296.00	54
60.00	379	86.00	60	128.00	175	307.00	64
61.00	1913	87.00	1429	129.00	58		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25058.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-Aug-2016 01:03:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0044588-001
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Aug-2016 13:36:42 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 136 BFB	95	2.640	2.640	0.000	96	139872	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

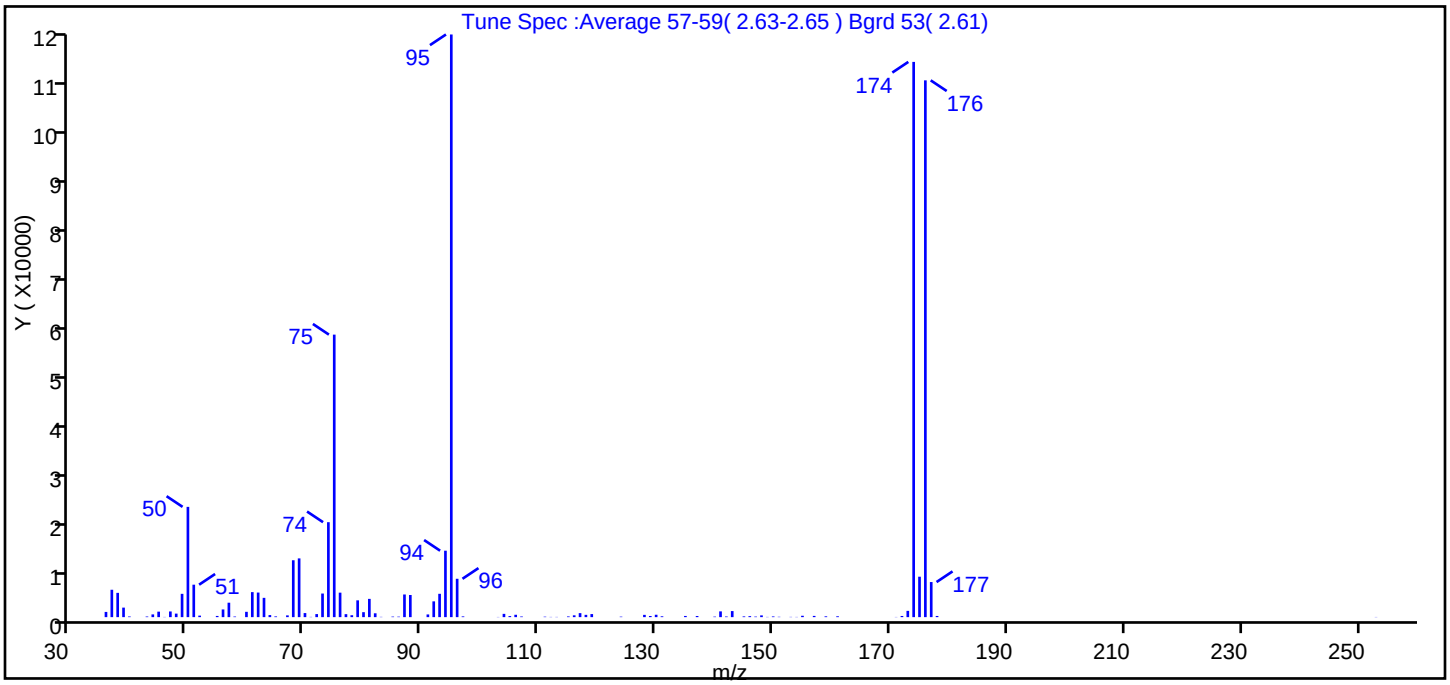
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25058.D
Injection Date: 18-Aug-2016 01:03:30 Instrument ID: CVOAMS4
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 136 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.9
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	1.1 (1.1)
174	50 to 120% of m/z 95	95.3
175	5 to 9% of m/z 174	6.9 (7.3)
176	Greater than 95% but less than 101% of m/z 174	92.1 (96.7)
177	5 to 9% of m/z 176	6.0 (6.5)

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25058.D\8260S_4.rslt\spectra.d
Injection Date: 18-Aug-2016 01:03:30
Spectrum: Tune Spec :Average 57-59(2.63-2.65) Bgrd 53(2.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1014	67.00	343	95.00	113200	142.00	124
37.00	5319	68.00	11052	96.00	7453	143.00	1178
38.00	4717	69.00	11413	97.00	144	145.00	144
39.00	1852	70.00	791	103.00	36	146.00	193
40.00	126	71.00	46	104.00	638	147.00	108
43.00	123	72.00	594	105.00	203	148.00	341
44.00	533	73.00	4587	106.00	461	149.00	42
45.00	1067	74.00	18448	107.00	125	150.00	135
46.00	39	75.00	54888	111.00	91	151.00	69
47.00	1104	76.00	4758	112.00	42	153.00	49
48.00	685	77.00	579	113.00	43	154.00	41
49.00	4528	78.00	370	115.00	138	155.00	267
50.00	21424	79.00	3265	116.00	354	157.00	240
51.00	6307	80.00	965	117.00	781	159.00	158
52.00	297	81.00	3549	118.00	446	161.00	167
55.00	233	82.00	748	119.00	598	171.00	36
56.00	1496	83.00	53	124.00	97	172.00	227
57.00	2805	85.00	106	128.00	443	173.00	1219
58.00	117	86.00	96	129.00	220	174.00	107872
60.00	1036	87.00	4403	130.00	465	175.00	7857
61.00	4860	88.00	4301	131.00	163	176.00	104288
62.00	4777	91.00	524	135.00	230	177.00	6818
63.00	3749	92.00	3067	137.00	220	178.00	227
64.00	403	93.00	4534	140.00	100	253.00	35
65.00	143	94.00	12908	141.00	1120		

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25134.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Aug-2016 05:25:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0044684-001				
Operator ID:		Instrument ID:	CVOAMS4		
Method:	\\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	22-Aug-2016 15:34:24	Calib Date:	18-Aug-2016 06:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK022				
First Level Reviewer: singthongw		Date:	22-Aug-2016 15:34:24		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 134 BFB	95	2.646	2.646	0.000	79	58699	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

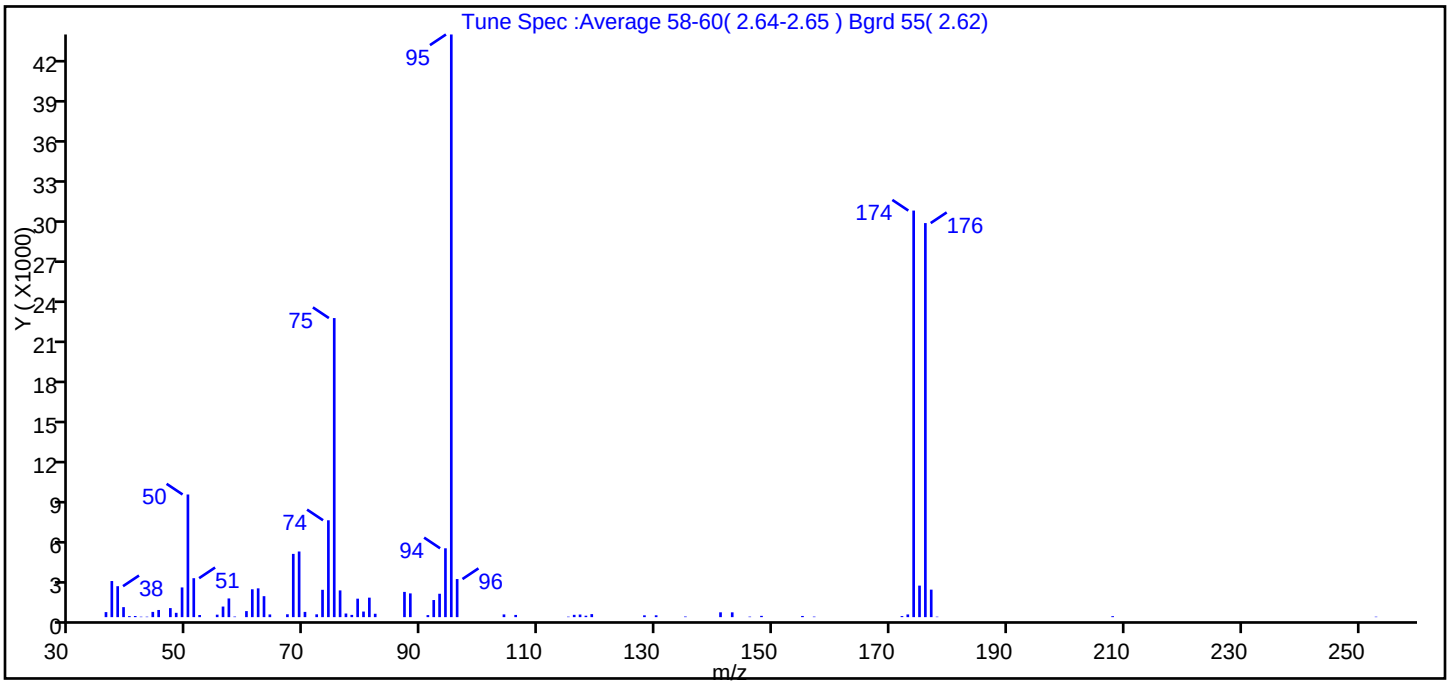
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25134.D
Injection Date: 21-Aug-2016 05:25:30 Instrument ID: CVOAMS4
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.0
75	30 to 60% of m/z 95	51.3
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	69.8
175	5 to 9% of m/z 174	5.4 (7.8)
176	Greater than 95% but less than 101% of m/z 174	67.6 (96.9)
177	5 to 9% of m/z 176	4.7 (7.0)

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25134.D\8260S_4.rslt\spectra.d
Injection Date: 21-Aug-2016 05:25:30
Spectrum: Tune Spec :Average 58-60(2.64-2.65) Bgrd 55(2.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	381	58.00	44	81.00	1471	135.00	47
37.00	2725	60.00	456	82.00	256	141.00	365
38.00	2336	61.00	2103	87.00	1905	143.00	363
39.00	755	62.00	2173	88.00	1792	146.00	39
40.00	75	63.00	1583	91.00	154	148.00	97
41.00	86	64.00	203	92.00	1291	155.00	89
42.00	34	67.00	217	93.00	1765	157.00	40
43.00	35	68.00	4774	94.00	5196	172.00	81
44.00	396	69.00	4954	95.00	43968	173.00	204
45.00	541	70.00	396	96.00	2875	174.00	30680
47.00	683	72.00	213	104.00	206	175.00	2379
48.00	326	73.00	2064	106.00	167	176.00	29736
49.00	2242	74.00	7310	115.00	36	177.00	2076
50.00	9255	75.00	22568	116.00	175	178.00	35
51.00	2940	76.00	2018	117.00	197	208.00	73
52.00	162	77.00	274	118.00	109	253.00	33
55.00	187	78.00	170	119.00	229		
56.00	799	79.00	1394	128.00	137		
57.00	1411	80.00	422	130.00	139		

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25160.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Aug-2016 09:59:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0044684-001				
Operator ID:		Instrument ID:	CVOAMS4		
Method:	\\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	23-Aug-2016 12:23:55	Calib Date:	18-Aug-2016 06:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK024				
First Level Reviewer: desais		Date:	23-Aug-2016 12:18:06		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 134 BFB	95	2.634	2.634	0.000	88	83199	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

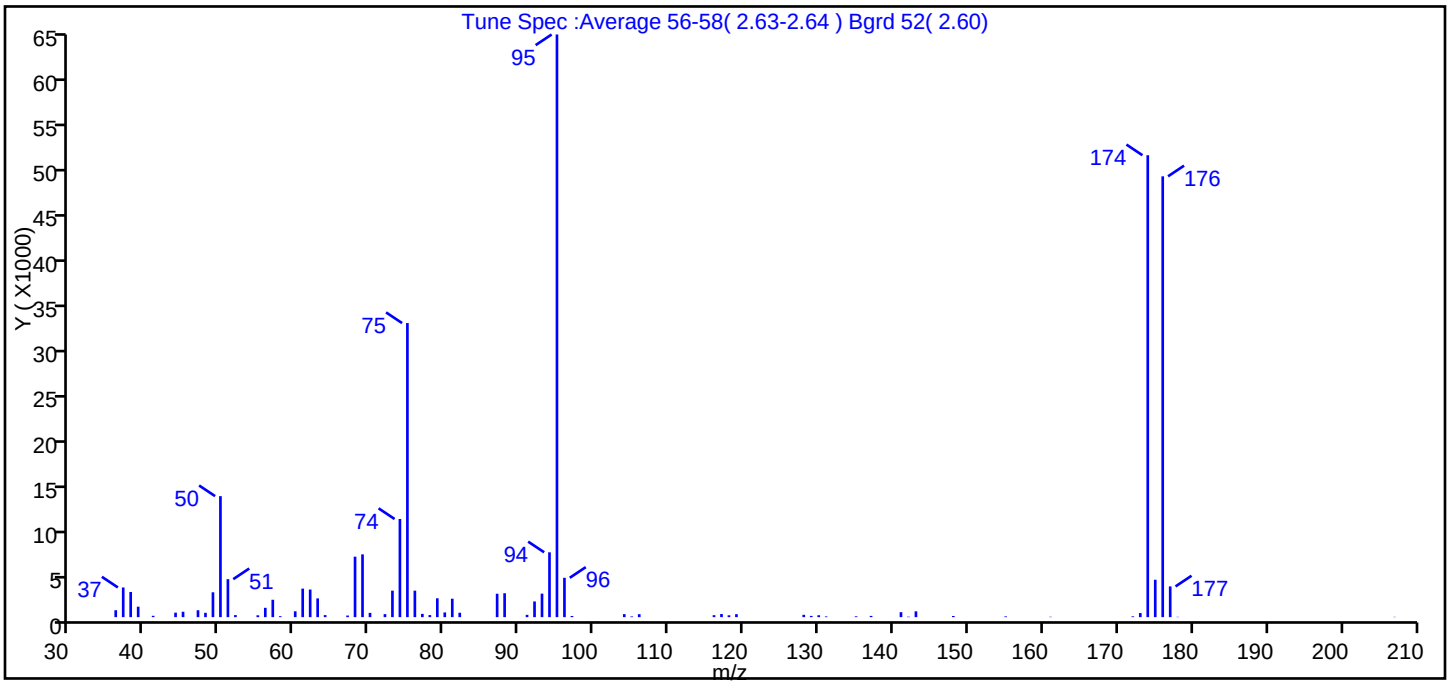
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25160.D
Injection Date: 22-Aug-2016 09:59:30 Instrument ID: CVOAMS4
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.8
75	30 to 60% of m/z 95	50.5
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	79.3
175	5 to 9% of m/z 174	6.4 (8.1)
176	Greater than 95% but less than 101% of m/z 174	75.7 (95.4)
177	5 to 9% of m/z 176	5.3 (7.0)

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25160.D\8260S_4.rslt\spectra.d
Injection Date: 22-Aug-2016 09:59:30
Spectrum: Tune Spec :Average 56-58(2.63-2.64) Bgrd 52(2.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	770	62.00	3068	88.00	2655	135.00	91
37.00	3298	63.00	2082	91.00	255	137.00	138
38.00	2797	64.00	228	92.00	1742	141.00	552
39.00	1161	67.00	179	93.00	2611	142.00	53
41.00	149	68.00	6719	94.00	7204	143.00	646
44.00	499	69.00	6974	95.00	64736	148.00	128
45.00	601	70.00	475	96.00	4372	155.00	83
47.00	769	72.00	336	97.00	129	161.00	41
48.00	481	73.00	2941	104.00	334	172.00	89
49.00	2762	74.00	10904	105.00	79	173.00	454
50.00	13444	75.00	32672	106.00	328	174.00	51320
51.00	4220	76.00	2942	116.00	219	175.00	4156
52.00	228	77.00	364	117.00	347	176.00	48976
55.00	205	78.00	229	118.00	206	177.00	3414
56.00	1037	79.00	2094	119.00	332	178.00	34
57.00	1932	80.00	525	128.00	260	207.00	31
58.00	103	81.00	2049	129.00	136		
60.00	650	82.00	490	130.00	210		
61.00	3169	87.00	2601	131.00	78		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25187a.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Aug-2016 10:32:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0044684-001
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Aug-2016 10:51:38 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: singthongw Date: 24-Aug-2016 10:51:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 134 BFB	95	2.634	2.634	0.000	91	55074	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

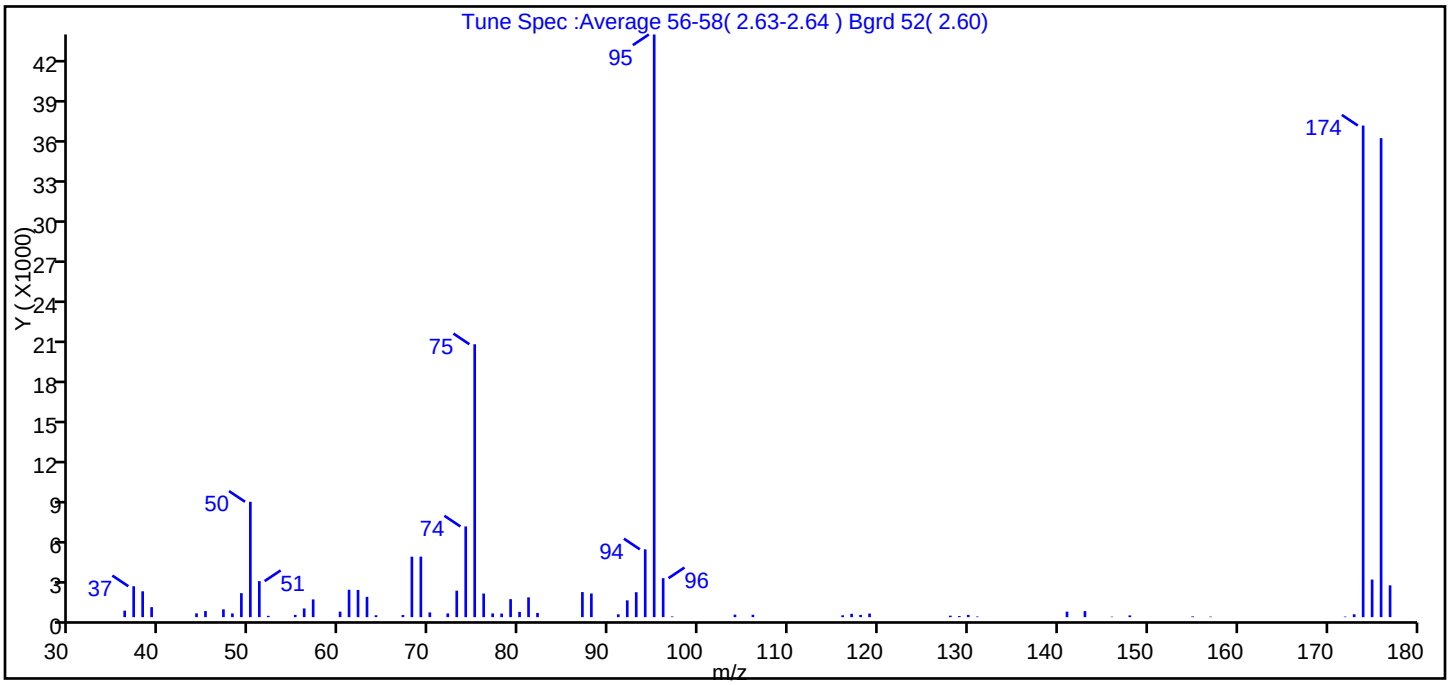
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25187a.D				
Injection Date:	23-Aug-2016 10:32:30	Instrument ID:	CVOAMS4		
Lims ID:	BFB				
Client ID:					
Operator ID:		ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		
Tune Method:	BFB Method 8260				

$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.8
75	30 to 60% of m/z 95	46.8
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	84.4
175	5 to 9% of m/z 174	6.4 (7.6)
176	Greater than 95% but less than 101% of m/z 174	82.2 (97.4)
177	5 to 9% of m/z 176	5.5 (6.6)

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25187a.D\8260S_4.rslt\spectra.d
Injection Date: 23-Aug-2016 10:32:30
Spectrum: Tune Spec :Average 56-58(2.63-2.64) Bgrd 52(2.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	480	62.00	2010	82.00	309	129.00	78
37.00	2282	63.00	1498	87.00	1851	130.00	165
38.00	1909	64.00	141	88.00	1747	131.00	47
39.00	739	67.00	155	91.00	209	141.00	406
44.00	281	68.00	4467	92.00	1240	143.00	447
45.00	450	69.00	4471	93.00	1842	146.00	33
47.00	577	70.00	349	94.00	5008	148.00	128
48.00	273	72.00	277	95.00	43040	155.00	55
49.00	1772	73.00	1955	96.00	2877	157.00	38
50.00	8523	74.00	6699	97.00	47	172.00	42
51.00	2664	75.00	20160	104.00	184	173.00	212
52.00	97	76.00	1745	106.00	177	174.00	36312
55.00	168	77.00	274	116.00	137	175.00	2776
56.00	644	78.00	264	117.00	248	176.00	35384
57.00	1310	79.00	1330	118.00	164	177.00	2350
60.00	407	80.00	388	119.00	264		
61.00	2024	81.00	1462	128.00	107		

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44241.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	10-Aug-2016 20:50:30	ALS Bottle#:	100	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0044330-001				
Operator ID:		Instrument ID:	CVOAMS8		
Method:	\\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\8260_W8.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	11-Aug-2016 11:36:41	Calib Date:	11-Aug-2016 03:30:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44256.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK016				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.129	5.129	0.000	1	126	NR	NR	
$ 135 BFB	95	4.261	4.261	0.000	87	89614	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

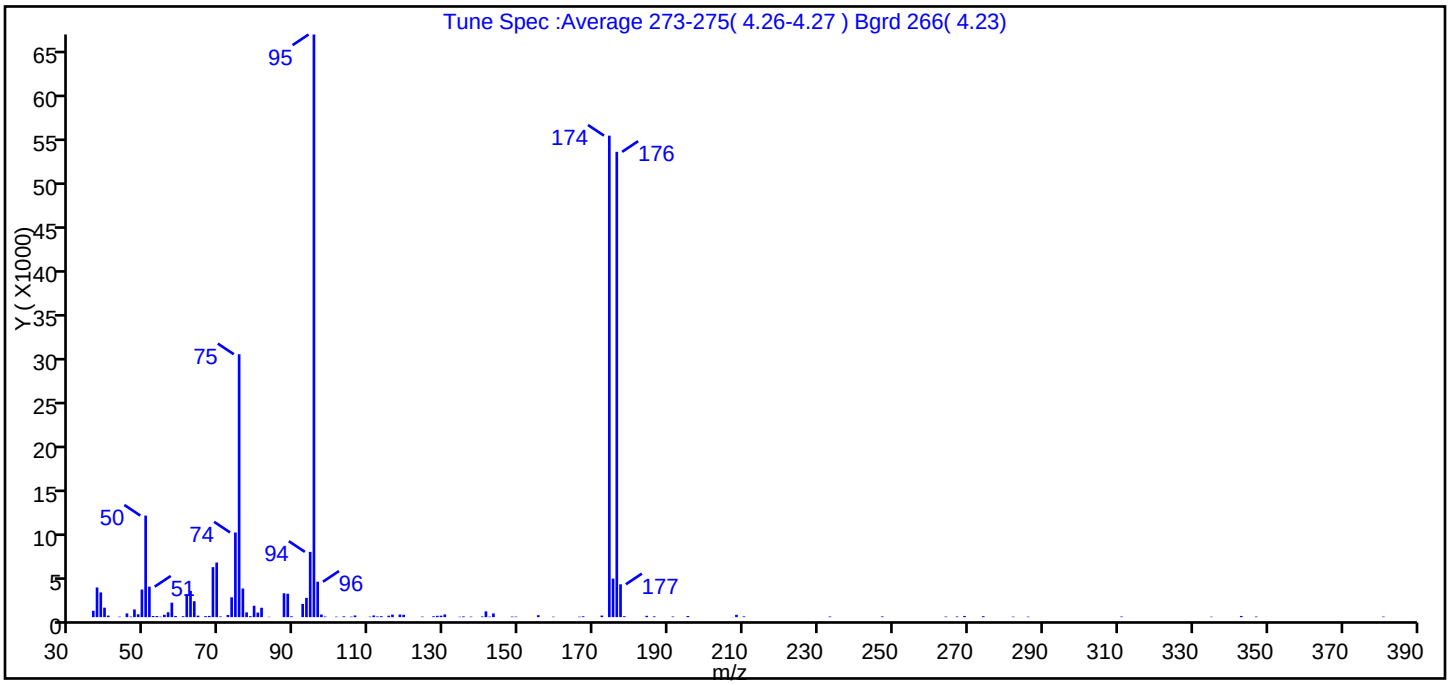
BFB_00011 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44241.D
Injection Date: 10-Aug-2016 20:50:30 Instrument ID: CVOAMS8
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 135 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.4
75	30 to 60% of m/z 95	45.1
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.6
175	5 to 9% of m/z 174	6.6 (8.0)
176	Greater than 95% but less than 101% of m/z 174	79.9 (96.6)
177	5 to 9% of m/z 176	5.6 (7.1)

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44241.D\8260_W8.rslt\spectra.d
Injection Date: 10-Aug-2016 20:50:30
Spectrum: Tune Spec :Average 273-275(4.26-4.27) Bgrd 266(4.23)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	728	68.00	5735	106.00	193	167.00	96
37.00	3404	69.00	6268	110.00	55	172.00	182
38.00	2836	70.00	78	111.00	193	174.00	55240
39.00	1087	72.00	247	112.00	76	175.00	4423
40.00	180	73.00	2277	113.00	109	176.00	53384
43.00	57	74.00	9713	115.00	167	177.00	3769
45.00	425	75.00	30160	116.00	287	178.00	106
46.00	63	76.00	3281	117.00	2	184.00	153
47.00	885	77.00	546	118.00	302	186.00	90
48.00	330	78.00	108	119.00	274	191.00	72
49.00	3171	79.00	1308	124.00	60	195.00	129
50.00	11650	80.00	520	127.00	99	207.00	11
51.00	3499	81.00	1079	128.00	156	208.00	267
52.00	129	83.00	42	129.00	169	210.00	88
53.00	129	87.00	2740	130.00	309	233.00	72
54.00	53	88.00	2687	134.00	50	247.00	80
55.00	276	89.00	94	135.00	84	264.00	67
56.00	561	92.00	1518	137.00	60	267.00	78
57.00	1662	93.00	2208	140.00	78	269.00	137
58.00	138	94.00	7488	141.00	663	274.00	107
60.00	103	95.00	66848	142.00	59	282.00	60
61.00	2621	96.00	4064	143.00	427	286.00	59
62.00	3010	97.00	300	148.00	63	311.00	67
63.00	1829	98.00	71	149.00	61	335.00	52
64.00	174	101.00	58	155.00	224	343.00	139
66.00	111	103.00	93	159.00	53	347.00	71
67.00	140	105.00	57	166.00	53	381.00	64

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44631.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Aug-2016 21:01:30 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0044659-001
Operator ID: Instrument ID: CVOAMS8

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 23:29:12 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: starzecm Date: 19-Aug-2016 23:29:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 135 BFB	95	4.235	4.235	0.000	88	175304	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

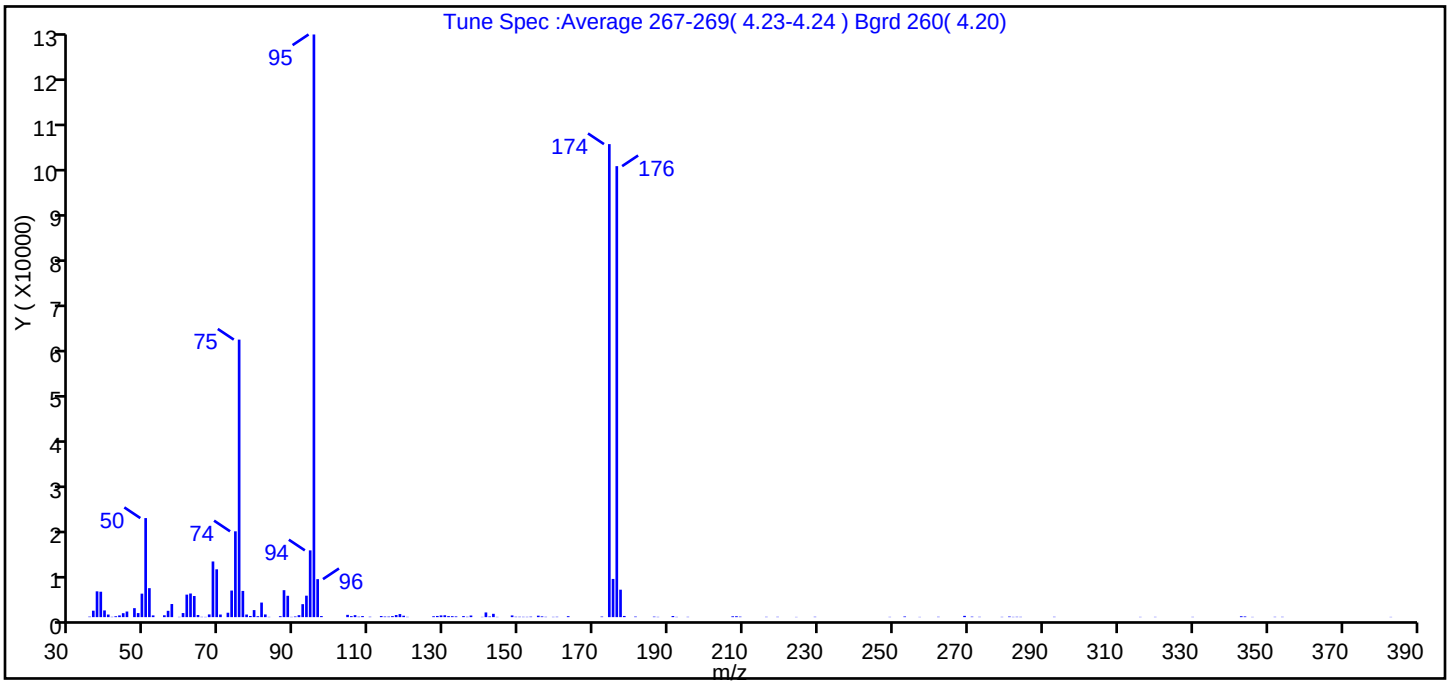
BFB_00011 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44631.D
Injection Date: 19-Aug-2016 21:01:30 Instrument ID: CVOAMS8
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 135 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.0
75	30 to 60% of m/z 95	47.6
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.2
175	5 to 9% of m/z 174	6.6 (8.1)
176	Greater than 95% but less than 101% of m/z 174	77.4 (95.3)
177	5 to 9% of m/z 176	4.7 (6.1)

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44631.D\8260_W8.rslt\spectra.d
Injection Date: 19-Aug-2016 21:01:30
Spectrum: Tune Spec :Average 267-269(4.23-4.24) Bgrd 260(4.20)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	110	75.00	60248	127.00	191	187.00	61
36.00	1401	76.00	5692	128.00	256	191.00	239
37.00	5603	77.00	566	129.00	377	192.00	59
38.00	5518	78.00	249	130.00	410	195.00	68
39.00	1458	79.00	1527	131.00	222	207.00	181
40.00	562	80.00	195	132.00	210	208.00	196
41.00	69	81.00	3167	133.00	161	209.00	106
42.00	193	82.00	588	135.00	227	216.00	71
43.00	374	83.00	61	136.00	83	219.00	72
44.00	858	86.00	204	137.00	352	224.00	50
45.00	1220	87.00	5852	140.00	58	229.00	80
47.00	1953	88.00	4638	141.00	1021	249.00	60
48.00	885	89.00	59	142.00	138	253.00	145
49.00	5102	90.00	142	143.00	724	257.00	52
50.00	21504	91.00	426	144.00	59	262.00	77
51.00	6293	92.00	2819	148.00	372	269.00	278
52.00	377	93.00	4661	149.00	88	271.00	107
55.00	406	94.00	14497	150.00	84	273.00	72
56.00	1376	95.00	126488	151.00	72	279.00	62
57.00	2849	96.00	8252	152.00	67	281.00	129
59.00	60	97.00	232	153.00	108	282.00	60
60.00	887	104.00	498	155.00	316	283.00	79
61.00	4888	105.00	213	156.00	165	284.00	67
62.00	5132	106.00	431	157.00	73	293.00	75
63.00	4588	107.00	100	159.00	63	316.00	56
64.00	468	108.00	231	160.00	82	320.00	60
65.00	67	110.00	86	163.00	205	330.00	61
66.00	53	113.00	242	172.00	126	343.00	194
67.00	588	114.00	126	174.00	102688	344.00	148
68.00	12087	115.00	118	175.00	8294	346.00	52
69.00	10384	116.00	222	176.00	97904	352.00	71
70.00	564	117.00	455	177.00	5959	354.00	69
72.00	959	118.00	667	178.00	255	383.00	51

Report Date: 19-Aug-2016 23:29:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44631.D\8260_W8.rslt\spectra.d
Injection Date: 19-Aug-2016 21:01:30
Spectrum: Tune Spec :Average 267-269(4.23-4.24) Bgrd 260(4.20)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	5776	119.00	307	181.00	123		
74.00	18632	120.00	65	186.00	110		

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56078.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	26-Jul-2016 22:49:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0043755-001				
Operator ID:		Instrument ID:	CVOAMS9		
Method:	\\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\8260S9.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	27-Jul-2016 16:32:57	Calib Date:	27-Jul-2016 02:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK035				
First Level Reviewer: martineze		Date:	27-Jul-2016 16:27:54		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.433	5.433	0.000	1	252	NR	NR	
$ 134 BFB	95	4.392	4.392	0.000	76	135789	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

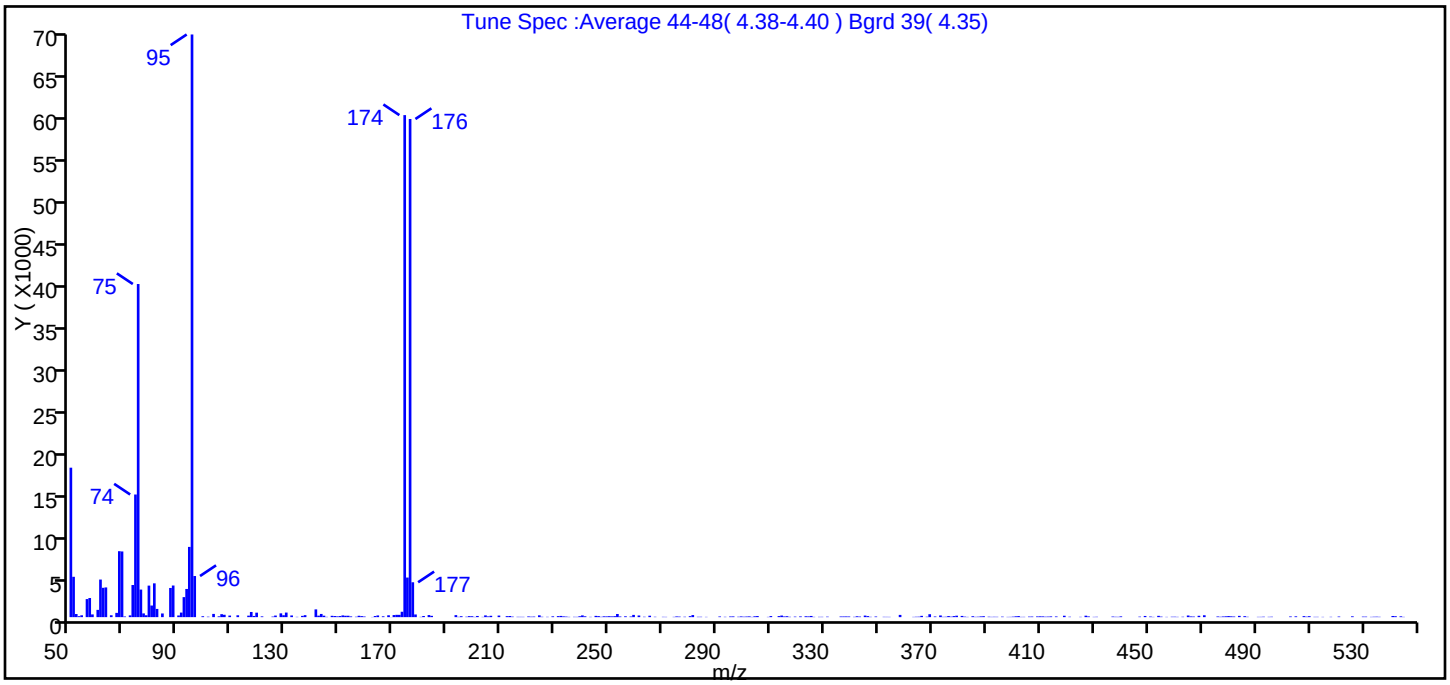
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56078.D
Injection Date: 26-Jul-2016 22:49:30 Instrument ID: CVOAMS9
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.7
75	30 to 60% of m/z 95	57.2
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	86.2
175	5 to 9% of m/z 174	6.8 (7.9)
176	Greater than 95% but less than 101% of m/z 174	85.5 (99.2)
177	5 to 9% of m/z 176	6.0 (7.0)

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56078.D\8260S9.rslt\spectra.d
Injection Date: 26-Jul-2016 22:49:30
Spectrum: Tune Spec :Average 44-48(4.38-4.40) Bgrd 39(4.35)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 311

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	17896	163.00	134	278.00	48	400.00	60
51.00	4831	164.00	202	280.00	117	401.00	99
52.00	373	166.00	98	281.00	248	402.00	127
53.00	116	168.00	223	283.00	43	403.00	33
54.00	221	169.00	12	284.00	44	404.00	36
56.00	2162	170.00	250	286.00	31	406.00	65
57.00	2290	171.00	278	291.00	80	407.00	71
58.00	326	172.00	275	293.00	40	409.00	85
60.00	871	173.00	645	295.00	81	410.00	97
61.00	4501	174.00	60112	296.00	87	411.00	89
62.00	3514	175.00	4740	298.00	49	412.00	54
63.00	3557	176.00	59648	299.00	85	413.00	66
65.00	225	177.00	4176	300.00	54	414.00	89
67.00	511	178.00	321	301.00	74	416.00	82
68.00	7896	180.00	33	302.00	91	419.00	168
69.00	7865	181.00	136	303.00	30	421.00	50
70.00	78	183.00	248	304.00	100	425.00	36
72.00	211	184.00	156	305.00	130	427.00	173
73.00	3847	193.00	240	309.00	30	428.00	87
74.00	14685	194.00	37	310.00	128	430.00	33
75.00	39888	195.00	111	313.00	127	431.00	43
76.00	3299	197.00	52	314.00	191	437.00	70
77.00	449	198.00	122	315.00	82	438.00	45
78.00	227	199.00	107	316.00	111	439.00	39
79.00	3776	200.00	30	317.00	40	440.00	91
80.00	1390	201.00	141	319.00	63	447.00	60
81.00	4047	203.00	30	321.00	87	449.00	141
82.00	984	204.00	210	323.00	105	451.00	70
84.00	441	205.00	88	324.00	89	452.00	30
87.00	3493	206.00	162	325.00	142	454.00	157
88.00	3787	209.00	189	326.00	33	455.00	63
90.00	200	212.00	118	328.00	37	457.00	30
91.00	546	213.00	136	329.00	39	459.00	48

Report Date: 27-Jul-2016 16:32:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56078.D\8260S9.rslt\spectra.d
Injection Date: 26-Jul-2016 22:49:30
Spectrum: Tune Spec :Average 44-48(4.38-4.40) Bgrd 39(4.35)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 311

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	2397	214.00	65	331.00	57	460.00	51
93.00	3375	216.00	40	336.00	78	461.00	36
94.00	8410	217.00	38	337.00	80	463.00	47
95.00	69768	218.00	36	338.00	84	465.00	196
96.00	4923	220.00	85	339.00	78	466.00	85
99.00	108	221.00	55	341.00	38	467.00	72
101.00	54	222.00	67	342.00	103	469.00	163
103.00	387	224.00	217	343.00	68	471.00	225
105.00	94	225.00	45	345.00	186	476.00	80
106.00	356	227.00	37	346.00	123	477.00	45
107.00	285	229.00	96	347.00	39	478.00	80
109.00	188	231.00	123	349.00	76	479.00	99
112.00	222	232.00	147	352.00	38	480.00	129
116.00	179	233.00	91	353.00	36	481.00	96
117.00	619	234.00	66	354.00	33	482.00	75
118.00	144	235.00	35	358.00	268	484.00	152
119.00	536	237.00	39	363.00	32	486.00	115
121.00	90	238.00	36	364.00	47	487.00	44
125.00	66	239.00	107	365.00	55	491.00	34
126.00	189	240.00	210	366.00	155	492.00	36
128.00	456	241.00	100	368.00	50	493.00	52
129.00	229	243.00	35	369.00	349	495.00	38
130.00	548	245.00	152	371.00	79	496.00	51
132.00	202	246.00	123	373.00	201	503.00	83
134.00	34	247.00	42	374.00	37	505.00	97
136.00	153	248.00	97	375.00	49	508.00	121
137.00	236	249.00	88	376.00	130	509.00	57
141.00	929	250.00	112	377.00	59	510.00	113
142.00	178	251.00	91	378.00	125	512.00	36
143.00	383	252.00	115	379.00	173	513.00	37
144.00	174	253.00	378	381.00	146	515.00	31
145.00	34	254.00	78	382.00	59	518.00	38
147.00	159	256.00	101	383.00	32	521.00	73
148.00	132	258.00	75	385.00	109	526.00	98

Report Date: 27-Jul-2016 16:32:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56078.D\8260S9.rslt\spectra.d
Injection Date: 26-Jul-2016 22:49:30
Spectrum: Tune Spec :Average 44-48(4.38-4.40) Bgrd 39(4.35)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 311

m/z	Y	m/z	Y	m/z	Y	m/z	Y
149.00	93	259.00	269	386.00	37	530.00	62
150.00	129	260.00	1	387.00	52	531.00	61
151.00	207	261.00	198	388.00	88	533.00	33
152.00	165	263.00	47	389.00	113	534.00	48
153.00	167	265.00	171	391.00	53	535.00	56
154.00	87	267.00	44	392.00	36	536.00	41
156.00	48	270.00	37	393.00	44	541.00	138
157.00	165	271.00	33	394.00	40	542.00	111
158.00	121	274.00	35	396.00	59	544.00	97
159.00	73	275.00	85	398.00	31	545.00	32
162.00	21	276.00	66	399.00	36		

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56987.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Aug-2016 05:21:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0044683-001				
Operator ID:		Instrument ID:	CVOAMS9		
Method:	\\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	22-Aug-2016 10:08:03	Calib Date:	27-Jul-2016 02:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK003				
First Level Reviewer: tupayachia		Date:	22-Aug-2016 10:08:03		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.433	5.433	0.000	1	783	NR	NR	
$ 134 BFB	95	4.392	4.392	0.000	85	498563	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

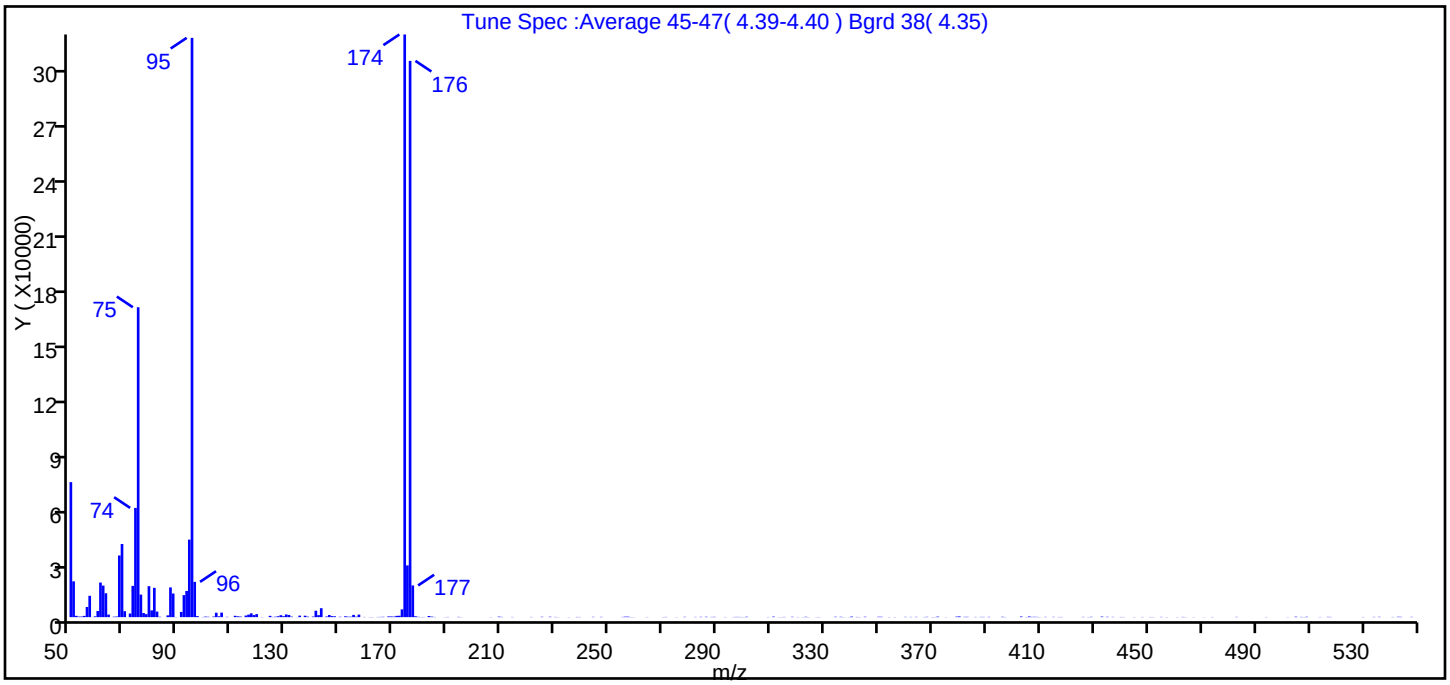
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56987.D
Injection Date: 21-Aug-2016 05:21:30 Instrument ID: CVOAMS9
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260S9 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.3
75	30 to 60% of m/z 95	53.5
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	1.3 (1.3)
174	50 to 120% of m/z 95	100.6
175	5 to 9% of m/z 174	8.9 (8.9)
176	Greater than 95% but less than 101% of m/z 174	96.0 (95.5)
177	5 to 9% of m/z 176	5.5 (5.7)

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56987.D\8260S9.rslt\spectra.d
Injection Date: 21-Aug-2016 05:21:30
Spectrum: Tune Spec :Average 45-47(4.39-4.40) Bgrd 38(4.35)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 242

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	73976	125.00	114	230.00	116	375.00	68
51.00	19616	126.00	249	231.00	66	379.00	272
52.00	723	127.00	496	235.00	75	380.00	393
53.00	315	128.00	1055	238.00	117	382.00	168
54.00	341	129.00	520	239.00	93	383.00	174
55.00	695	130.00	1481	244.00	173	386.00	122
56.00	5562	131.00	1191	247.00	153	388.00	126
57.00	11682	132.00	290	255.00	137	389.00	134
58.00	24	134.00	67	256.00	270	391.00	167
59.00	443	135.00	828	257.00	260	396.00	201
60.00	3356	137.00	791	258.00	72	397.00	83
61.00	18952	138.00	272	259.00	77	403.00	349
62.00	17280	140.00	309	264.00	93	405.00	100
63.00	13087	141.00	3513	270.00	83	406.00	365
64.00	1396	142.00	1087	271.00	119	407.00	138
66.00	248	143.00	4889	275.00	76	408.00	182
67.00	338	145.00	346	278.00	166	409.00	130
68.00	33776	146.00	1157	282.00	123	410.00	68
69.00	40072	147.00	564	284.00	175	412.00	147
70.00	3248	148.00	459	286.00	213	415.00	148
72.00	1985	150.00	205	288.00	131	417.00	98
73.00	17128	152.00	476	289.00	163	418.00	107
74.00	59848	153.00	250	293.00	94	426.00	143
75.00	169792	154.00	250	296.00	75	428.00	84
76.00	12355	155.00	1230	297.00	141	429.00	176
77.00	2265	156.00	265	298.00	128	433.00	302
78.00	1635	157.00	1385	299.00	104	435.00	184
79.00	16968	159.00	112	300.00	70	437.00	142
80.00	3704	161.00	73	301.00	217	440.00	106
81.00	16059	162.00	88	309.00	95	441.00	92
82.00	3040	164.00	105	311.00	286	445.00	83
83.00	218	165.00	129	313.00	70	448.00	101
86.00	971	166.00	189	314.00	75	451.00	98

Report Date: 22-Aug-2016 10:08:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56987.D\8260S9.rslt\spectra.d
Injection Date: 21-Aug-2016 05:21:30
Spectrum: Tune Spec :Average 45-47(4.39-4.40) Bgrd 38(4.35)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 242

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	16291	168.00	392	315.00	125	452.00	87
88.00	12941	169.00	372	318.00	192	455.00	136
89.00	108	170.00	307	320.00	89	457.00	78
91.00	2855	171.00	705	322.00	73	461.00	85
92.00	12060	172.00	766	323.00	197	463.00	127
93.00	14370	173.00	4256	324.00	70	464.00	83
94.00	42472	174.00	319232	327.00	84	467.00	67
95.00	317376	175.00	28352	328.00	84	471.00	47
96.00	19320	176.00	304768	334.00	212	474.00	97
97.00	564	177.00	17368	336.00	195	483.00	137
99.00	98	178.00	489	337.00	76	494.00	86
100.00	303	179.00	183	339.00	70	502.00	74
101.00	195	180.00	73	340.00	317	505.00	258
103.00	314	181.00	95	342.00	123	507.00	124
104.00	2424	183.00	601	343.00	71	508.00	75
105.00	456	184.00	289	345.00	216	509.00	205
106.00	2475	185.00	129	350.00	204	514.00	99
108.00	168	189.00	73	351.00	207	517.00	162
111.00	744	190.00	113	354.00	76	518.00	113
112.00	464	194.00	152	356.00	75	530.00	101
113.00	314	195.00	70	360.00	148	534.00	144
115.00	880	206.00	80	362.00	122	536.00	176
116.00	1378	209.00	274	364.00	153	541.00	103
117.00	2082	210.00	144	367.00	95	543.00	210
118.00	1144	214.00	115	368.00	175	544.00	168
119.00	1650	221.00	112	370.00	78	548.00	146
121.00	92	225.00	202	371.00	91		
124.00	704	228.00	218	372.00	292		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385824/7

Matrix: Water | Lab File ID: J44637.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/19/2016 23:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U	50	8.7
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
74-97-5	Chlorobromomethane	1.0	U	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.22
75-00-3	Chloroethane	1.0	U	1.0	0.37
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385824/7

Matrix: Water | Lab File ID: J44637.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/19/2016 23:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32
79-20-9	Methyl acetate	5.0	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.13
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.17
127-18-4	Tetrachloroethene	1.0	U	1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	1.0	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	92		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

Report Date: 20-Aug-2016 00:14:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44637.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 19-Aug-2016 23:44:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0044659-007
Operator ID: Instrument ID: CVOAMS8

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 20-Aug-2016 00:14:04 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: starzecm Date: 20-Aug-2016 00:14:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	2.844	2.844	0.000	80	318188	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.190	4.189	0.001	86	402323	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.760	4.759	0.001	96	207967	50.0	46.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.177	5.176	0.001	96	252325	50.0	47.1	
* 62 Fluorobenzene	96	5.494	5.494	0.000	98	957174	50.0	50.0	
* 68 1,4-Dioxane-d8	96	6.305	6.299	0.006	94	41217	1000.0	1000.0	
$ 79 Toluene-d8 (Surr)	98	7.392	7.391	0.001	100	936797	50.0	49.5	
* 90 Chlorobenzene-d5	117	9.325	9.324	0.001	86	729555	50.0	50.0	
$ 101 4-Bromofluorobenzene	174	10.512	10.511	0.001	89	297390	50.0	49.2	
* 117 1,4-Dichlorobenzene-d4	152	11.387	11.387	0.000	96	386300	50.0	50.0	

Reagents:

8260ISNEW_00081 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00138 Amount Added: 1.00 Units: uL Run Reagent

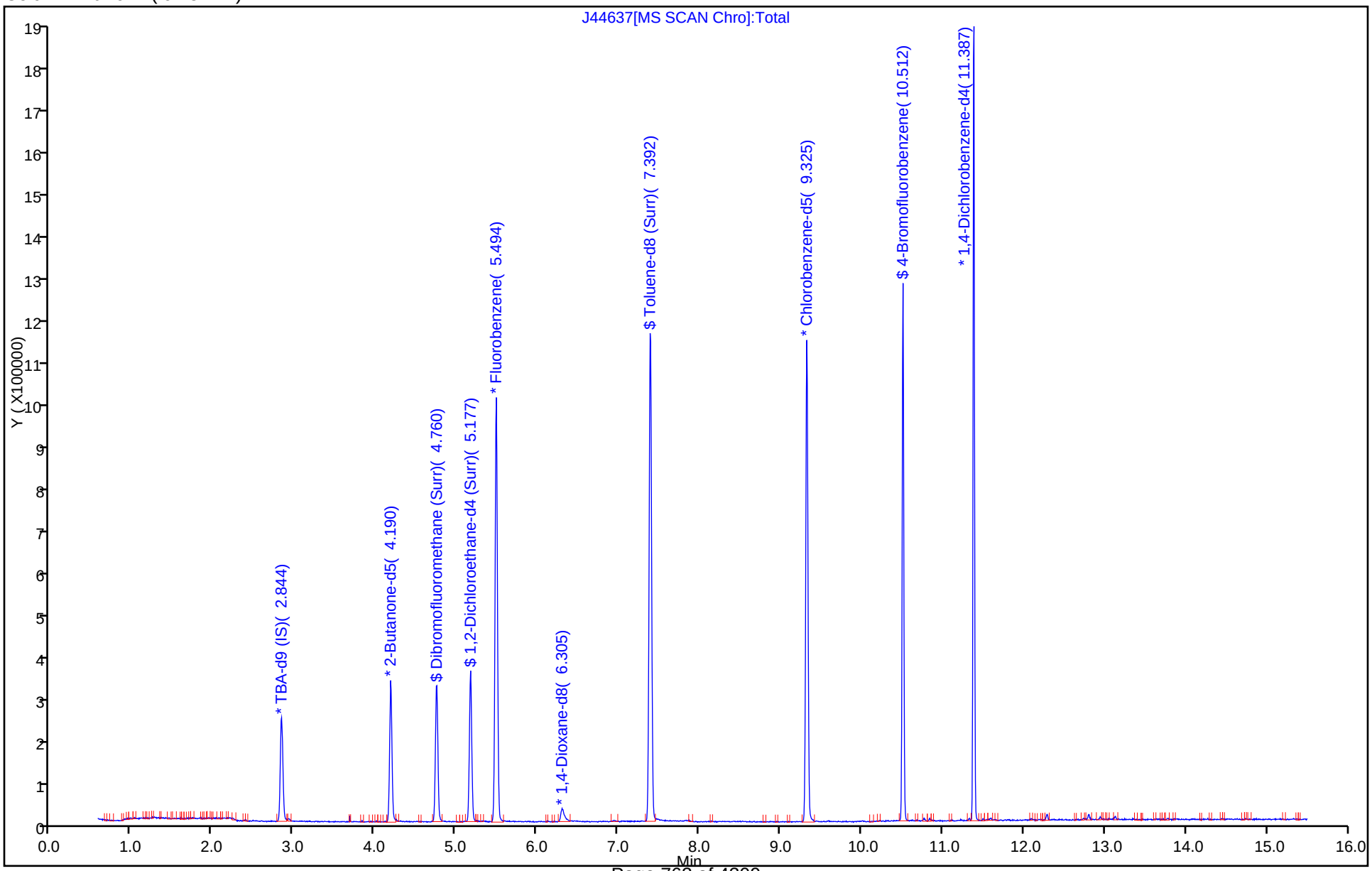
Report Date: 20-Aug-2016 00:14:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44637.D

Injection Date:	19-Aug-2016 23:44:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260_W8	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385947/7

Matrix: Solid | Lab File ID: K56993.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 09:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.28
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.34
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.14
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.11
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.12
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.13
123-91-1	1,4-Dioxane	20	U	20	6.4
78-93-3	2-Butanone (MEK)	5.0	U	5.0	0.77
591-78-6	2-Hexanone	5.0	U	5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2
67-64-1	Acetone	5.0	U	5.0	1.1
75-05-8	Acetonitrile	10	U	10	4.1
107-02-8	Acrolein	100	U	100	16
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.13
74-83-9	Bromomethane	1.0	U	1.0	0.32
75-15-0	Carbon disulfide	1.0	U	1.0	0.43
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.43
108-90-7	Chlorobenzene	1.0	U	1.0	0.14
74-97-5	Chlorobromomethane	1.0	U	1.0	0.17
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.15
75-00-3	Chloroethane	1.0	U	1.0	0.35
67-66-3	Chloroform	1.0	U	1.0	0.21
74-87-3	Chloromethane	1.0	U	1.0	0.38
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.15
110-82-7	Cyclohexane	1.0	U	1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385947/7

Matrix: Solid | Lab File ID: K56993.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 09:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.18
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.12
98-82-8	Isopropylbenzene	1.0	U	1.0	0.17
79-20-9	Methyl acetate	5.0	U	5.0	0.90
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.17
108-87-2	Methylcyclohexane	1.0	U	1.0	0.50
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.11
95-47-6	o-Xylene	1.0	U	1.0	0.16
100-42-5	Styrene	1.0	U	1.0	0.15
75-65-0	TBA	10	U	10	3.5
127-18-4	Tetrachloroethene	1.0	U	1.0	0.28
108-88-3	Toluene	1.0	U	1.0	0.19
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10
79-01-6	Trichloroethene	1.0	U	1.0	0.26
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		78-135
460-00-4	4-Bromofluorobenzene	117		67-126
1868-53-7	Dibromofluoromethane (Surr)	110		61-149
2037-26-5	Toluene-d8 (Surr)	100		73-121

Report Date: 23-Aug-2016 14:21:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56993.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Aug-2016 09:32:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0044683-007
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 14:21:07 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: baronm Date: 23-Aug-2016 14:21:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 25 TBA-d9 (IS)	65	3.453	3.423	0.030	100	456197	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.545	4.538	0.007	99	318602	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.038	5.032	0.006	0	260303	50.0	54.8	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	97	261507	50.0	46.3	
* 61 Fluorobenzene	96	5.679	5.672	0.007	99	657303	50.0	50.0	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	98	39327	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	99	890107	50.0	49.8	
* 89 Chlorobenzene-d5	117	9.178	9.184	-0.006	87	532187	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	336254	50.0	58.3	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	95	365062	50.0	50.0	

Reagents:

8260ISNEW_00079 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00133 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 23-Aug-2016 14:21:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56993.D

Injection Date: 21-Aug-2016 09:32:30 Instrument ID: CVOAMS9 Operator ID:

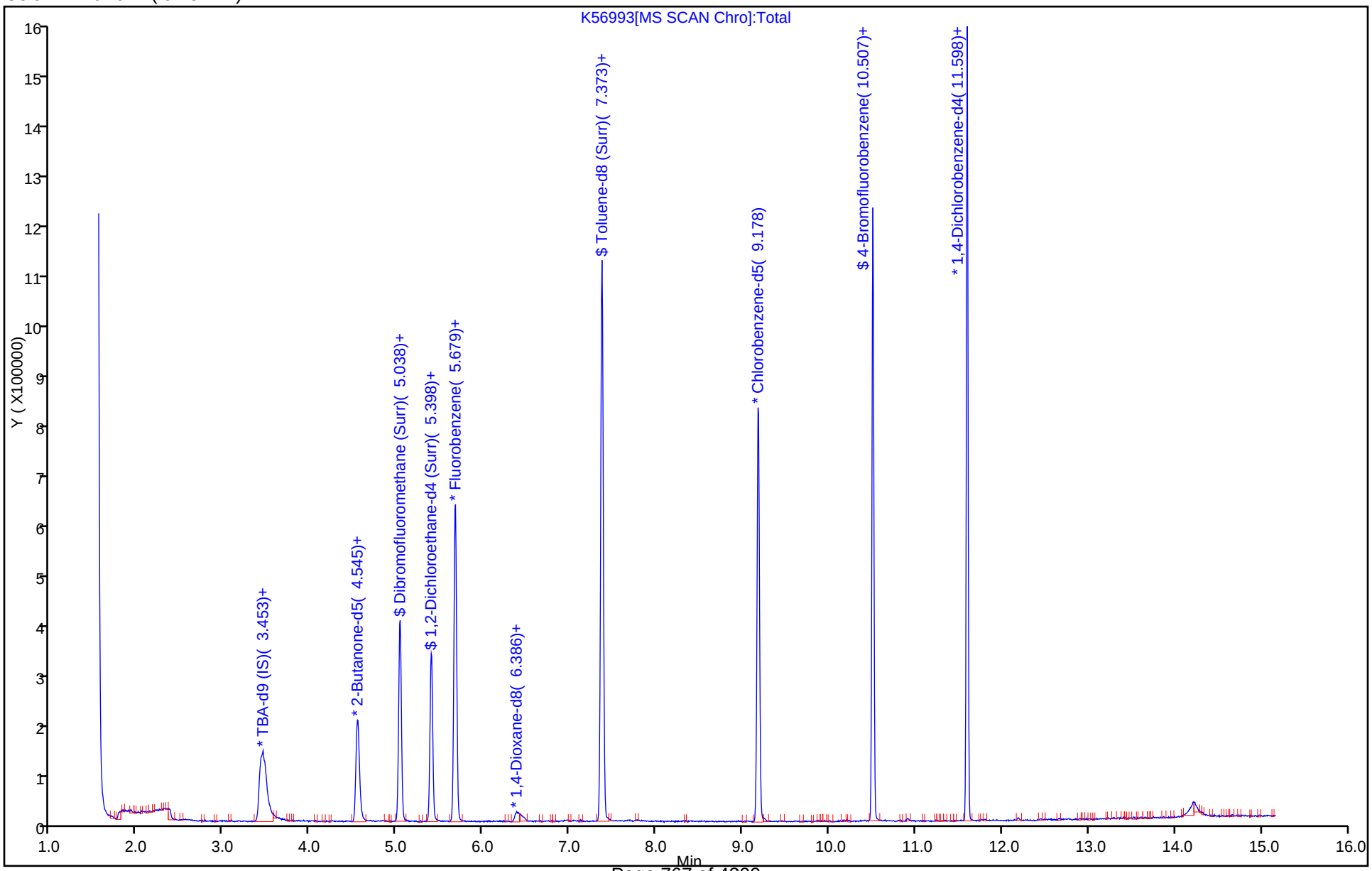
Lims ID: MB Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260S9 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385950/7

Matrix: Solid | Lab File ID: D25140.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 08:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.28
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.34
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.14
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.11
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.12
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.13
123-91-1	1,4-Dioxane	20	U	20	6.4
78-93-3	2-Butanone (MEK)	5.0	U	5.0	0.77
591-78-6	2-Hexanone	5.0	U	5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2
67-64-1	Acetone	5.0	U	5.0	1.1
75-05-8	Acetonitrile	10	U	10	4.1
107-02-8	Acrolein	100	U	100	16
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.13
74-83-9	Bromomethane	1.0	U	1.0	0.32
75-15-0	Carbon disulfide	1.0	U	1.0	0.43
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.43
108-90-7	Chlorobenzene	1.0	U	1.0	0.14
74-97-5	Chlorobromomethane	1.0	U	1.0	0.17
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.15
75-00-3	Chloroethane	1.0	U	1.0	0.35
67-66-3	Chloroform	1.0	U	1.0	0.21
74-87-3	Chloromethane	1.0	U	1.0	0.38
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.15
110-82-7	Cyclohexane	1.0	U	1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385950/7

Matrix: Solid | Lab File ID: D25140.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 08:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.18
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.12
98-82-8	Isopropylbenzene	1.0	U	1.0	0.17
79-20-9	Methyl acetate	5.0	U	5.0	0.90
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.17
108-87-2	Methylcyclohexane	1.0	U	1.0	0.50
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.11
95-47-6	o-Xylene	1.0	U	1.0	0.16
100-42-5	Styrene	1.0	U	1.0	0.15
75-65-0	TBA	10	U	10	3.5
127-18-4	Tetrachloroethene	1.0	U	1.0	0.28
108-88-3	Toluene	1.0	U	1.0	0.19
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10
79-01-6	Trichloroethene	1.0	U	1.0	0.26
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		78-135
460-00-4	4-Bromofluorobenzene	82		67-126
1868-53-7	Dibromofluoromethane (Surr)	91		61-149
2037-26-5	Toluene-d8 (Surr)	96		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25140.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Aug-2016 08:48:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0044684-007
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 11:01:48 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: martineze Date: 22-Aug-2016 11:01:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	40	208039	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	280618	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.478	-0.001	96	136894	50.0	45.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	147793	50.0	48.8	
* 61 Fluorobenzene	96	6.240	6.234	0.006	98	503116	50.0	50.0	
* 67 1,4-Dioxane-d8	96	7.069	7.063	0.006	0	17559	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	482332	50.0	48.0	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	368952	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	89	146071	50.0	41.1	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	205120	50.0	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

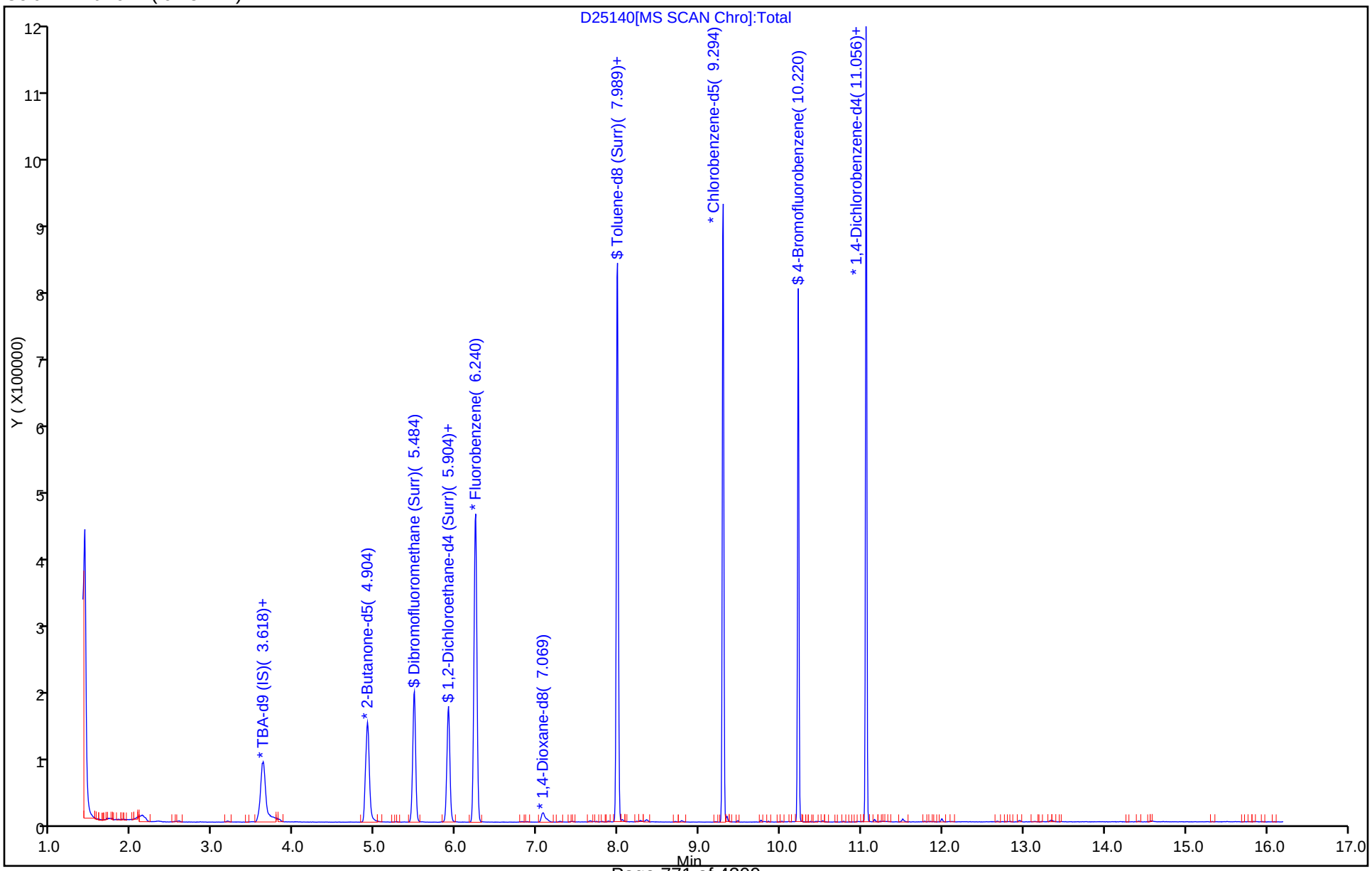
Report Date: 22-Aug-2016 11:01:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25140.D

Injection Date:	21-Aug-2016 08:48:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386008/7

Matrix: Water | Lab File ID: P16399.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 10:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U	50	8.7
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
74-97-5	Chlorobromomethane	1.0	U	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.22
75-00-3	Chloroethane	1.0	U	1.0	0.37
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386008/7

Matrix: Water | Lab File ID: P16399.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 10:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32
79-20-9	Methyl acetate	5.0	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.13
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.17
127-18-4	Tetrachloroethene	1.0	U	1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	1.0	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		74-132
460-00-4	4-Bromofluorobenzene	115		77-124
1868-53-7	Dibromofluoromethane (Surr)	100		72-131
2037-26-5	Toluene-d8 (Surr)	97		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16399.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Aug-2016 10:41:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0044696-007
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 10:13:01 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 22-Aug-2016 10:12:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	2.095	2.110	-0.015	100	390955	1000.0	1000.0	
$ 47 Dibromofluoromethane (Surr	113	3.077	3.077	0.000	96	61603	50.0	50.1	
* 49 2-Butanone-d5	46	3.134	3.141	-0.007	98	442490	250.0	250.0	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.485	3.478	0.007	96	66454	50.0	42.3	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	552779	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.609	4.610	-0.001	93	34183	1000.0	1000.0	
$ 76 Toluene-d8 (Surr)	98	5.268	5.269	-0.001	99	279009	50.0	48.7	
* 90 Chlorobenzene-d5	117	7.145	7.145	0.000	88	376300	50.0	50.0	
$ 101 4-Bromofluorobenzene	174	8.922	8.922	0.000	87	155875	50.0	57.4	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	97	185342	50.0	50.0	

Reagents:

8260ISNEW_00083 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00135 Amount Added: 1.00 Units: uL Run Reagent

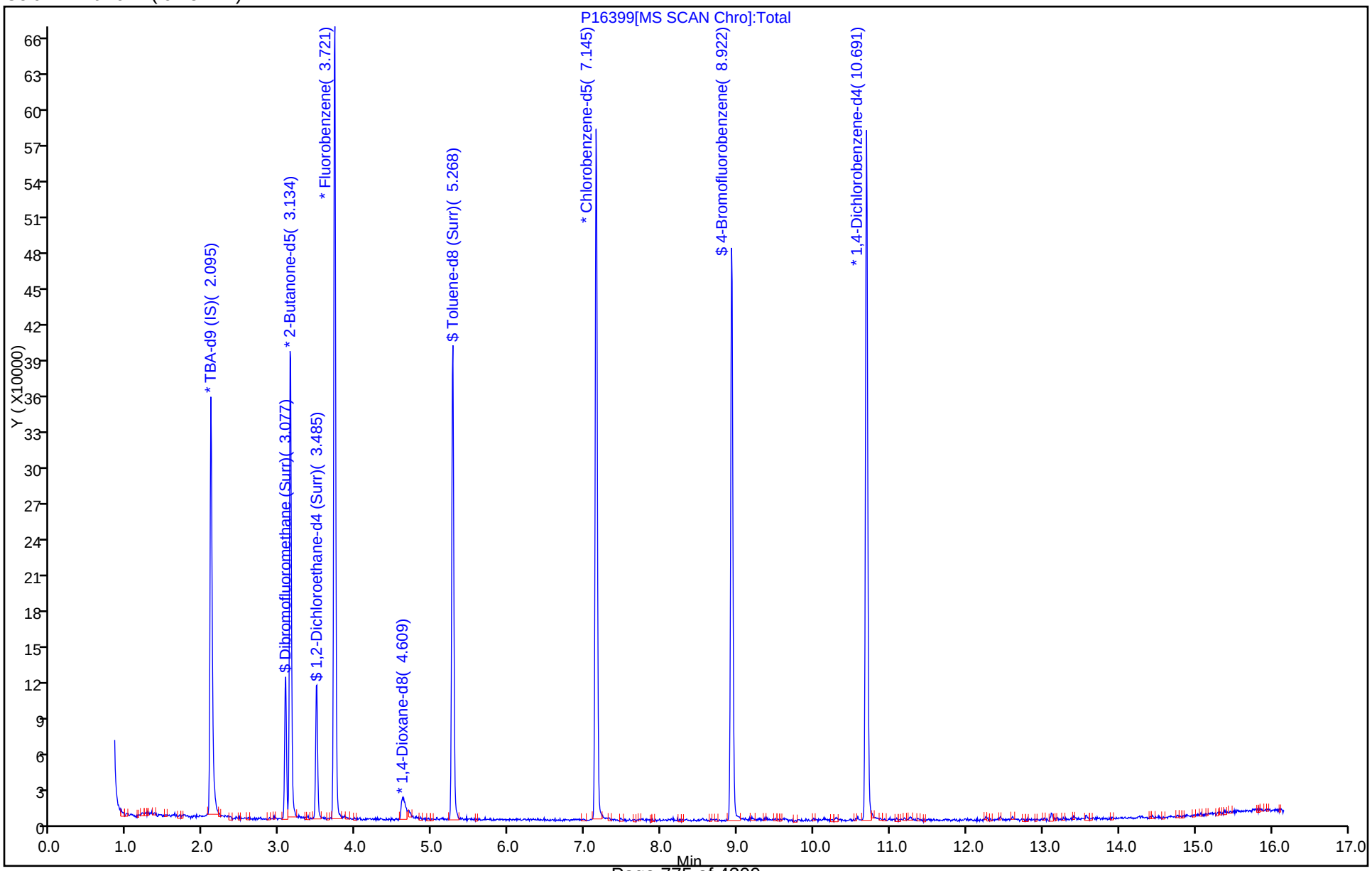
Report Date: 22-Aug-2016 10:13:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16399.D

Injection Date:	22-Aug-2016 10:41:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386039/8

Matrix: Solid | Lab File ID: D25167.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 13:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.28
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.34
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.14
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.11
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.12
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.13
123-91-1	1,4-Dioxane	20	U	20	6.4
78-93-3	2-Butanone (MEK)	5.0	U	5.0	0.77
591-78-6	2-Hexanone	5.0	U	5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2
67-64-1	Acetone	5.0	U	5.0	1.1
75-05-8	Acetonitrile	10	U	10	4.1
107-02-8	Acrolein	100	U	100	16
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.13
74-83-9	Bromomethane	1.0	U	1.0	0.32
75-15-0	Carbon disulfide	1.0	U	1.0	0.43
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.43
108-90-7	Chlorobenzene	1.0	U	1.0	0.14
74-97-5	Chlorobromomethane	1.0	U	1.0	0.17
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.15
75-00-3	Chloroethane	1.0	U	1.0	0.35
67-66-3	Chloroform	1.0	U	1.0	0.21
74-87-3	Chloromethane	1.0	U	1.0	0.38
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.15
110-82-7	Cyclohexane	1.0	U	1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386039/8

Matrix: Solid | Lab File ID: D25167.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 13:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.18
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.12
98-82-8	Isopropylbenzene	1.0	U	1.0	0.17
79-20-9	Methyl acetate	5.0	U	5.0	0.90
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.17
108-87-2	Methylcyclohexane	1.0	U	1.0	0.50
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.11
95-47-6	o-Xylene	1.0	U	1.0	0.16
100-42-5	Styrene	1.0	U	1.0	0.15
75-65-0	TBA	10	U	10	3.5
127-18-4	Tetrachloroethene	1.0	U	1.0	0.28
108-88-3	Toluene	1.0	U	1.0	0.19
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10
79-01-6	Trichloroethene	1.0	U	1.0	0.26
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		78-135
460-00-4	4-Bromofluorobenzene	76		67-126
1868-53-7	Dibromofluoromethane (Surr)	85		61-149
2037-26-5	Toluene-d8 (Surr)	90		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25167.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Aug-2016 13:01:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0044710-008
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:36:05 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: desais Date: 23-Aug-2016 12:05:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	39	293190	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.898	4.904	-0.006	0	290786	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.484	-0.006	96	122245	50.0	42.4	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	96	131822	50.0	45.3	
* 61 Fluorobenzene	96	6.234	6.240	-0.006	98	483092	50.0	50.0	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	26243	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.983	7.989	-0.006	98	431547	50.0	44.8	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	353441	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	10.221	10.220	0.001	91	129689	50.0	38.1	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	97	196434	50.0	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

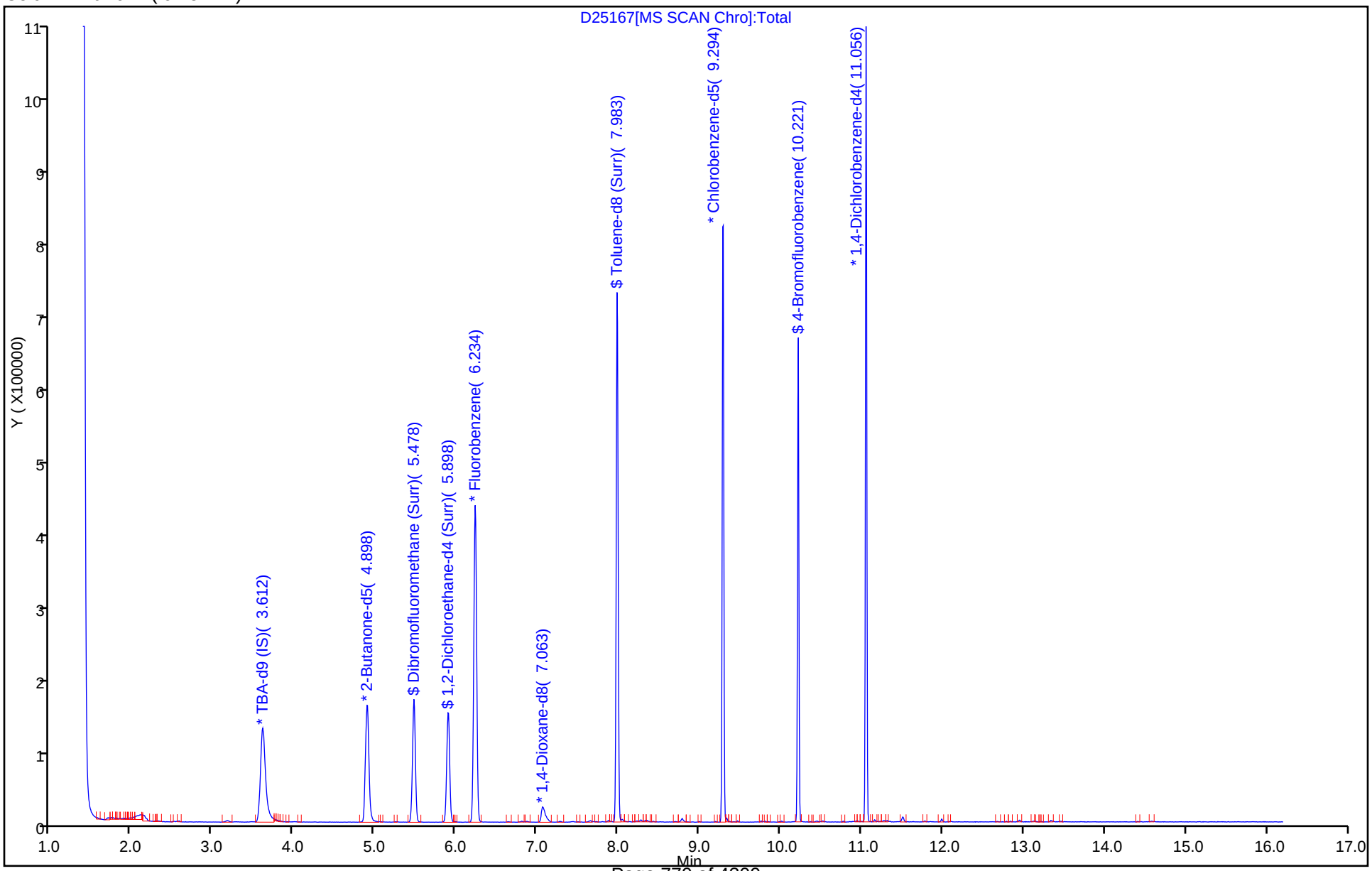
Report Date: 23-Aug-2016 19:36:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25167.D

Injection Date:	22-Aug-2016 13:01:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386262/8

Matrix: Solid | Lab File ID: D25194.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/23/2016 13:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386262 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.28
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.34
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.14
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.11
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.12
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.13
123-91-1	1,4-Dioxane	20	U	20	6.4
78-93-3	2-Butanone (MEK)	5.0	U	5.0	0.77
591-78-6	2-Hexanone	5.0	U	5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2
67-64-1	Acetone	5.0	U	5.0	1.1
75-05-8	Acetonitrile	10	U	10	4.1
107-02-8	Acrolein	100	U	100	16
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.13
74-83-9	Bromomethane	1.0	U	1.0	0.32
75-15-0	Carbon disulfide	1.0	U	1.0	0.43
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.43
108-90-7	Chlorobenzene	1.0	U	1.0	0.14
74-97-5	Chlorobromomethane	1.0	U	1.0	0.17
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.15
75-00-3	Chloroethane	1.0	U	1.0	0.35
67-66-3	Chloroform	1.0	U	1.0	0.21
74-87-3	Chloromethane	1.0	U	1.0	0.38
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.15
110-82-7	Cyclohexane	1.0	U	1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386262/8

Matrix: Solid | Lab File ID: D25194.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/23/2016 13:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386262 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.18
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.12
98-82-8	Isopropylbenzene	1.0	U	1.0	0.17
79-20-9	Methyl acetate	5.0	U	5.0	0.90
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.17
108-87-2	Methylcyclohexane	1.0	U	1.0	0.50
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.11
95-47-6	o-Xylene	1.0	U	1.0	0.16
100-42-5	Styrene	1.0	U	1.0	0.15
75-65-0	TBA	10	U	10	3.5
127-18-4	Tetrachloroethene	1.0	U	1.0	0.28
108-88-3	Toluene	1.0	U	1.0	0.19
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10
79-01-6	Trichloroethene	1.0	U	1.0	0.26
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		78-135
460-00-4	4-Bromofluorobenzene	86		67-126
1868-53-7	Dibromofluoromethane (Surr)	95		61-149
2037-26-5	Toluene-d8 (Surr)	97		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25194.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2016 13:48:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0044756-008
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Aug-2016 11:17:27 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: singthongw Date: 24-Aug-2016 11:17:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	3.612	3.606	0.006	41	279860	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.898	4.898	0.000	0	277560	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.477	0.000	97	115189	50.0	47.7	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	97	126809	50.0	52.1	
* 61 Fluorobenzene	96	6.233	6.233	0.000	98	404432	50.0	50.0	
* 67 1,4-Dioxane-d8	96	7.069	7.063	0.006	0	24107	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	99	394517	50.0	48.4	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	298851	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	91	128942	50.0	43.2	
* 116 1,4-Dichlorobenzene-d4	152	11.062	11.056	0.006	96	172032	50.0	50.0	

Reagents:

8260ISNEW_00078 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00132 Amount Added: 1.00 Units: uL Run Reagent

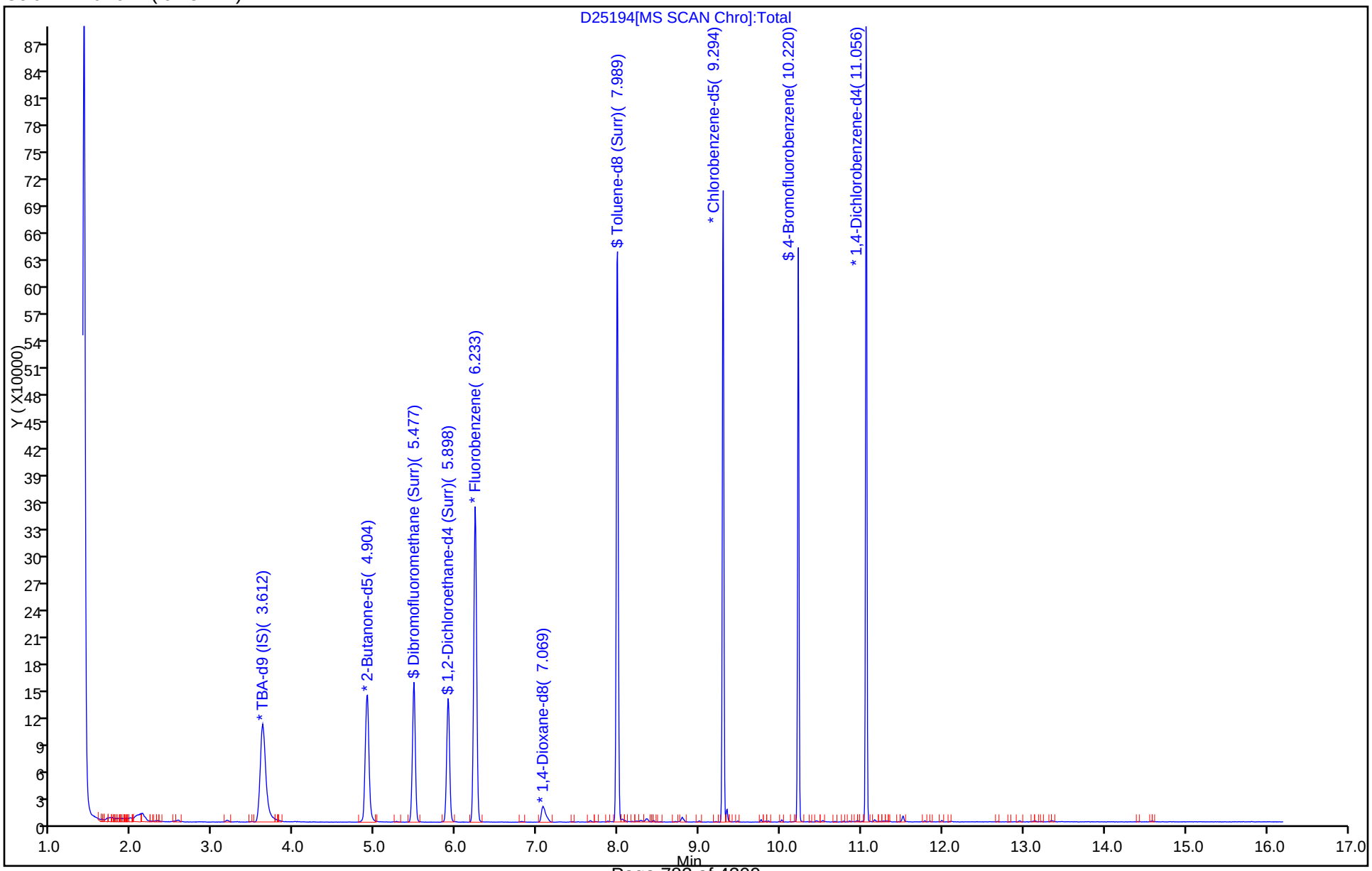
Report Date: 24-Aug-2016 11:17:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25194.D

Injection Date:	23-Aug-2016 13:48:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385824/3

Matrix: Water | Lab File ID: J44633.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/19/2016 22:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.8		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	22.2		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.4		1.0	0.34
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.080
75-34-3	1,1-Dichloroethane	20.7		1.0	0.24
75-35-4	1,1-Dichloroethene	20.2		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	22.6		1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	21.7		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1.0	0.23
95-50-1	1,2-Dichlorobenzene	22.1		1.0	0.22
107-06-2	1,2-Dichloroethane	19.6		1.0	0.25
78-87-5	1,2-Dichloropropane	20.7		1.0	0.18
541-73-1	1,3-Dichlorobenzene	22.0		1.0	0.33
106-46-7	1,4-Dichlorobenzene	22.1		1.0	0.33
123-91-1	1,4-Dioxane	518		50	8.7
78-93-3	2-Butanone (MEK)	95.3		5.0	2.2
591-78-6	2-Hexanone	96.6		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	102		5.0	0.63
67-64-1	Acetone	77.9		5.0	1.1
71-43-2	Benzene	21.1		1.0	0.090
75-25-2	Bromoform	16.3		1.0	0.18
74-83-9	Bromomethane	20.5		1.0	0.18
75-15-0	Carbon disulfide	20.2		1.0	0.22
56-23-5	Carbon tetrachloride	20.6		1.0	0.33
108-90-7	Chlorobenzene	20.6		1.0	0.24
74-97-5	Chlorobromomethane	20.3		1.0	0.30
124-48-1	Chlorodibromomethane	18.2		1.0	0.22
75-00-3	Chloroethane	20.7		1.0	0.37
67-66-3	Chloroform	20.3		1.0	0.22
74-87-3	Chloromethane	19.8		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	20.6		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	20.7		1.0	0.16
110-82-7	Cyclohexane	20.9		1.0	0.26
75-27-4	Dichlorobromomethane	19.3		1.0	0.15
75-71-8	Dichlorodifluoromethane	18.3		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385824/3

Matrix: Water | Lab File ID: J44633.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/19/2016 22:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	20.3		1.0	0.30
106-93-4	Ethylene Dibromide	19.6		1.0	0.19
98-82-8	Isopropylbenzene	21.3		1.0	0.32
79-20-9	Methyl acetate	107		5.0	0.58
1634-04-4	Methyl tert-butyl ether	20.1		1.0	0.13
108-87-2	Methylcyclohexane	21.2		1.0	0.22
75-09-2	Methylene Chloride	19.8		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	21.2		1.0	0.28
95-47-6	o-Xylene	20.9		1.0	0.32
100-42-5	Styrene	20.7		1.0	0.17
127-18-4	Tetrachloroethene	21.5		1.0	0.12
108-88-3	Toluene	20.8		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	19.9		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	20.1		1.0	0.19
79-01-6	Trichloroethene	19.8		1.0	0.22
75-69-4	Trichlorofluoromethane	20.4		1.0	0.15
75-01-4	Vinyl chloride	19.8		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	101		77-124
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
2037-26-5	Toluene-d8 (Surr)	100		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44633.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 19-Aug-2016 22:00:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0044659-003
Operator ID: Instrument ID: CVOAMS8

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 19-Aug-2016 23:29:30 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: starzecm Date: 19-Aug-2016 23:29:29

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	66	0.640	0.640	0.000	94	13153	20.0	21.5	
2	Dichlorodifluoromethane	85	0.676	0.676	0.000	99	88971	20.0	18.3	
3	Chloromethane	50	0.881	0.881	0.000	99	114498	20.0	19.8	
4	Vinyl chloride	62	0.987	0.987	0.000	98	104562	20.0	19.8	
5	Butadiene	54	1.022	1.022	0.000	97	95386	20.0	20.7	
6	Bromomethane	94	1.351	1.351	0.000	99	63559	20.0	20.5	
7	Chloroethane	64	1.463	1.463	0.000	100	59281	20.0	20.7	
8	Dichlorofluoromethane	67	1.686	1.686	0.000	98	157787	20.0	20.4	
9	Trichlorofluoromethane	101	1.692	1.692	0.000	98	126478	20.0	20.4	
10	Pentane	72	1.751	1.751	0.000	94	19694	40.0	51.5	
11	Ethanol	46	1.957	1.957	0.000	97	14631	800.0	1099.4	
12	Ethyl ether	59	2.009	2.009	0.000	92	67535	20.0	19.6	
13	2-Methyl-1,3-butadiene	53	2.027	2.027	0.000	95	77355	20.0	22.7	
14	1,2-Dichloro-1,1,2-trifluo	117	2.074	2.074	0.000	91	66722	20.0	20.7	
15	1,1,2-Trichloro-1,2,2-trif	101	2.215	2.215	0.000	97	73051	20.0	23.4	
16	Acrolein	56	2.227	2.227	0.000	95	27314	40.0	44.0	
17	1,1-Dichloroethene	96	2.262	2.262	0.000	98	80922	20.0	20.2	
18	Acetone	43	2.385	2.385	0.000	86	112254	100.0	77.9	
19	Iodomethane	142	2.450	2.450	0.000	97	117184	20.0	19.4	
20	Carbon disulfide	76	2.485	2.485	0.000	99	290195	20.0	20.2	
21	Isopropyl alcohol	45	2.509	2.509	0.000	99	47338	200.0	224.1	
22	3-Chloro-1-propene	76	2.673	2.673	0.000	86	48533	20.0	20.2	
24	Cyclopentene	67	2.691	2.691	0.000	90	217535	20.0	21.8	
23	Methyl acetate	43	2.703	2.703	0.000	100	310405	100.0	107.4	
25	Acetonitrile	41	2.773	2.773	0.000	98	108759	200.0	230.3	
27	Methylene Chloride	84	2.838	2.838	0.000	96	90754	20.0	19.8	
* 26	TBA-d9 (IS)	65	2.844	2.844	0.000	95	322224	1000.0	1000.0	
28	2-Methyl-2-propanol	59	2.932	2.932	0.000	99	74567	200.0	220.1	
29	Methyl tert-butyl ether	73	3.044	3.044	0.000	97	250580	20.0	20.1	
30	trans-1,2-Dichloroethene	96	3.073	3.073	0.000	96	88791	20.0	19.9	
31	Acrylonitrile	53	3.185	3.185	0.000	93	302384	200.0	217.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	3.273	3.273	0.000	93	76436	20.0	25.3	
33 Isopropyl ether	45	3.549	3.549	0.000	96	296367	20.0	22.4	
34 1,1-Dichloroethane	63	3.584	3.584	0.000	99	168769	20.0	20.7	
35 Vinyl acetate	43	3.608	3.608	0.000	100	319282	40.0	49.1	
36 2-Chloro-1,3-butadiene	88	3.637	3.637	0.000	92	80959	20.0	21.7	
37 Tert-butyl ethyl ether	59	3.937	3.937	0.000	87	286774	20.0	20.9	
39 2,2-Dichloropropane	79	4.189	4.189	0.000	61	44587	20.0	22.3	
* 38 2-Butanone-d5	46	4.189	4.189	0.000	99	419167	250.0	250.0	
40 cis-1,2-Dichloroethene	96	4.224	4.224	0.000	98	101837	20.0	20.6	
41 2-Butanone (MEK)	72	4.260	4.260	0.000	96	45997	100.0	95.3	
42 Ethyl acetate	70	4.260	4.260	0.000	94	20956	40.0	39.3	
43 Methyl acrylate	55	4.324	4.324	0.000	100	77585	20.0	20.4	
44 Propionitrile	54	4.424	4.424	0.000	98	120531	200.0	232.3	
45 Tetrahydrofuran	72	4.495	4.495	0.000	71	21338	40.0	39.1	
46 Chlorobromomethane	128	4.501	4.501	0.000	92	48324	20.0	20.3	
47 Methacrylonitrile	67	4.542	4.542	0.000	93	358232	200.0	213.7	
48 Chloroform	83	4.565	4.565	0.000	98	155140	20.0	20.3	
49 Cyclohexane	56	4.700	4.700	0.000	93	117442	20.0	20.9	
50 1,1,1-Trichloroethane	97	4.730	4.730	0.000	97	124638	20.0	19.8	
$ 51 Dibromofluoromethane (Surr	113	4.759	4.759	0.000	97	213417	50.0	48.4	
52 Carbon tetrachloride	117	4.865	4.865	0.000	97	103516	20.0	20.6	
53 1,1-Dichloropropene	75	4.912	4.912	0.000	96	123572	20.0	21.4	
54 Isobutyl alcohol	43	5.076	5.076	0.000	96	109782	500.0	622.4	
55 Isooctane	57	5.112	5.112	0.000	97	177027	20.0	29.3	
56 Benzene	78	5.147	5.147	0.000	96	373640	20.0	21.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.176	5.176	0.000	96	255358	50.0	48.8	
59 Tert-amyl methyl ether	73	5.223	5.223	0.000	78	268858	20.0	21.3	
58 Isopropyl acetate	43	5.229	5.229	0.000	92	253847	20.0	21.3	
60 1,2-Dichloroethane	62	5.264	5.264	0.000	97	121959	20.0	19.6	
61 n-Heptane	57	5.335	5.335	0.000	93	35406	20.0	26.1	
* 62 Fluorobenzene	96	5.494	5.494	0.000	98	935233	50.0	50.0	
63 n-Butanol	56	5.858	5.858	0.000	91	51672	500.0	549.9	
64 Trichloroethene	95	5.893	5.893	0.000	99	91331	20.0	19.8	
66 Methylcyclohexane	83	6.034	6.034	0.000	89	89276	20.0	21.2	
65 Ethyl acrylate	55	6.052	6.052	0.000	97	177974	20.0	22.7	
67 1,2-Dichloropropane	63	6.240	6.240	0.000	91	93906	20.0	20.7	
* 68 1,4-Dioxane-d8	96	6.299	6.299	0.000	77	42753	1000.0	1000.0	
69 Methyl methacrylate	100	6.328	6.328	0.000	90	51754	40.0	39.3	
70 1,4-Dioxane	88	6.363	6.363	0.000	84	19285	400.0	517.9	
72 Dibromomethane	93	6.387	6.387	0.000	96	55651	20.0	19.7	
71 n-Propyl acetate	43	6.393	6.393	0.000	99	122534	20.0	20.7	
73 Dichlorobromomethane	83	6.557	6.557	0.000	99	119939	20.0	19.3	
74 2-Chloroethyl vinyl ether	63	6.939	6.939	0.000	86	62062	20.0	21.2	
75 2-Nitropropane	41	6.945	6.945	0.000	83	48306	40.0	35.7	
76 Epichlorohydrin	57	7.062	7.062	0.000	99	176435	400.0	410.8	
77 cis-1,3-Dichloropropene	75	7.121	7.121	0.000	93	160475	20.0	20.7	
78 4-Methyl-2-pentanone (MIBK	43	7.309	7.309	0.000	97	394952	100.0	102.3	
$ 79 Toluene-d8 (Surr)	98	7.391	7.391	0.000	99	939160	50.0	50.0	
80 Toluene	91	7.479	7.479	0.000	93	400958	20.0	20.8	
81 trans-1,3-Dichloropropene	75	7.867	7.867	0.000	96	141600	20.0	20.1	
82 Ethyl methacrylate	69	7.897	7.897	0.000	89	114384	20.0	19.5	
83 1,1,2-Trichloroethane	83	8.108	8.108	0.000	97	71684	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Tetrachloroethene	166	8.143	8.143	0.000	96	87624	20.0	21.5	
85 1,3-Dichloropropane	76	8.337	8.337	0.000	94	139619	20.0	20.6	
86 2-Hexanone	58	8.402	8.402	0.000	96	157025	100.0	96.6	
87 n-Butyl acetate	43	8.519	8.519	0.000	99	138100	20.0	21.3	
88 Chlorodibromomethane	129	8.584	8.584	0.000	97	88429	20.0	18.2	
89 Ethylene Dibromide	107	8.760	8.760	0.000	100	83469	20.0	19.6	
* 90 Chlorobenzene-d5	117	9.324	9.324	0.000	86	724516	50.0	50.0	
91 Chlorobenzene	112	9.360	9.360	0.000	94	259432	20.0	20.6	
92 Ethylbenzene	106	9.448	9.448	0.000	99	125364	20.0	20.3	
93 1,1,1,2-Tetrachloroethane	131	9.465	9.465	0.000	96	88593	20.0	19.6	
94 m-Xylene & p-Xylene	106	9.589	9.589	0.000	96	167635	20.0	21.2	
95 n-Butyl acrylate	73	9.977	9.977	0.000	97	75038	20.0	20.4	
96 o-Xylene	106	10.000	10.000	0.000	94	164584	20.0	20.9	
97 Styrene	104	10.029	10.029	0.000	95	292542	20.0	20.7	
98 Amyl acetate (mixed isomer	43	10.188	10.188	0.000	91	165807	20.0	22.3	
99 Bromoform	173	10.229	10.229	0.000	97	54060	20.0	16.3	
100 Isopropylbenzene	105	10.329	10.329	0.000	96	352182	20.0	21.3	
$ 101 4-Bromofluorobenzene	174	10.511	10.511	0.000	89	302465	50.0	50.4	
102 Bromobenzene	156	10.629	10.629	0.000	99	113177	20.0	21.9	
103 1,1,2,2-Tetrachloroethane	83	10.658	10.658	0.000	97	110682	20.0	22.2	
104 N-Propylbenzene	91	10.682	10.682	0.000	99	396261	20.0	22.4	
105 1,2,3-Trichloropropane	110	10.705	10.705	0.000	95	29686	20.0	19.9	
106 trans-1,4-Dichloro-2-buten	53	10.717	10.717	0.000	91	28318	20.0	19.9	
107 4-Ethyltoluene	105	10.776	10.776	0.000	88	354662	20.0	22.2	
108 2-Chlorotoluene	91	10.776	10.776	0.000	96	320914	20.0	22.7	
109 1,3,5-Trimethylbenzene	105	10.829	10.829	0.000	93	306122	20.0	22.1	
110 4-Chlorotoluene	91	10.870	10.870	0.000	97	304764	20.0	22.3	
111 Butyl Methacrylate	87	10.893	10.893	0.000	93	139426	20.0	22.1	
112 tert-Butylbenzene	119	11.064	11.064	0.000	94	228607	20.0	22.5	
113 1,2,4-Trimethylbenzene	105	11.111	11.111	0.000	98	323585	20.0	21.9	
114 sec-Butylbenzene	105	11.222	11.222	0.000	99	309765	20.0	23.5	
115 4-Isopropyltoluene	119	11.322	11.322	0.000	98	288386	20.0	23.2	
116 1,3-Dichlorobenzene	146	11.334	11.334	0.000	96	193778	20.0	22.0	
* 117 1,4-Dichlorobenzene-d4	152	11.387	11.387	0.000	95	396504	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.404	11.404	0.000	94	199710	20.0	22.1	
119 Benzyl chloride	91	11.504	11.504	0.000	98	244406	20.0	24.2	
120 2,3-Dihydroindene	117	11.551	11.551	0.000	94	395224	20.0	22.9	
121 p-Diethylbenzene	119	11.581	11.581	0.000	91	170487	20.0	22.2	
122 n-Butylbenzene	91	11.598	11.598	0.000	97	298730	20.0	23.8	
123 1,2-Dichlorobenzene	146	11.657	11.657	0.000	96	196417	20.0	22.1	
124 1,2,4,5-Tetramethylbenzene	119	12.098	12.098	0.000	97	286573	20.0	22.7	
125 1,2-Dibromo-3-Chloropropan	155	12.197	12.197	0.000	98	16879	20.0	19.2	
126 1,3,5-Trichlorobenzene	180	12.286	12.286	0.000	97	111896	20.0	22.4	
127 1,2,4-Trichlorobenzene	180	12.744	12.744	0.000	94	98142	20.0	21.7	
128 Hexachlorobutadiene	225	12.809	12.809	0.000	97	41756	20.0	23.4	
129 Naphthalene	128	12.950	12.950	0.000	99	264794	20.0	23.3	
130 1,2,3-Trichlorobenzene	180	13.138	13.138	0.000	94	83895	20.0	22.6	
S 131 1,2-Dichloroethene, Total	100				0		40.0	40.5	
S 132 Xylenes, Total	100				0		40.0	42.1	
S 133 Total BTEX	1				0		100.0	104.3	

Reagents:

GASES Li_00167	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	20.00	Units: uL	
ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 19-Aug-2016 23:29:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44633.D

Injection Date: 19-Aug-2016 22:00:30 Instrument ID: CVOAMS8 Operator ID:

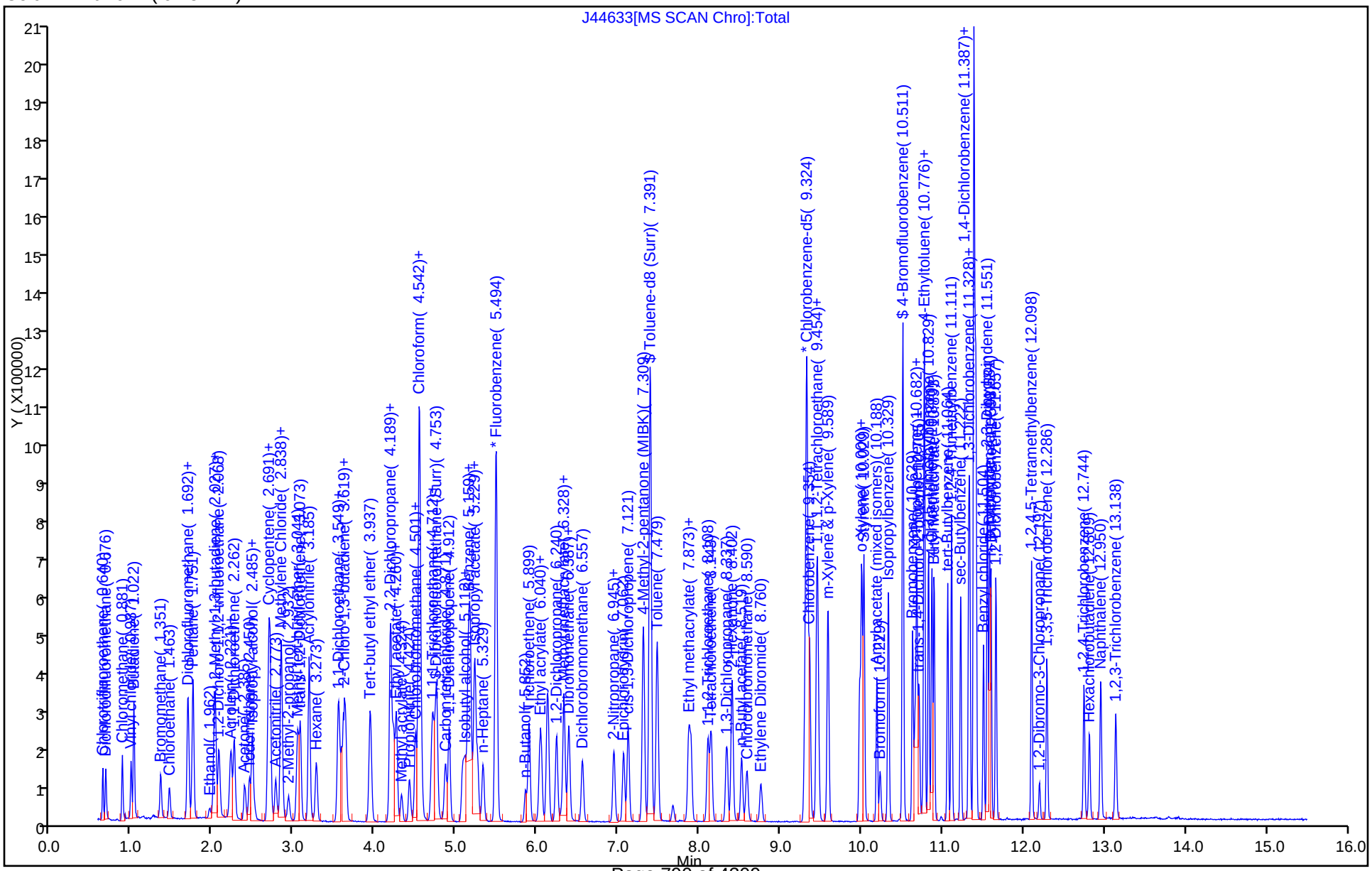
Lims ID: LCS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385947/3

Matrix: Solid | Lab File ID: K56989.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 06:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.4		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	17.2		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.6		1.0	0.44
79-00-5	1,1,2-Trichloroethane	18.3		1.0	0.28
75-34-3	1,1-Dichloroethane	20.0		1.0	0.34
75-35-4	1,1-Dichloroethene	21.5		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	21.9		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	20.0		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.0	0.47
95-50-1	1,2-Dichlorobenzene	18.5		1.0	0.14
107-06-2	1,2-Dichloroethane	20.3		1.0	0.11
78-87-5	1,2-Dichloropropane	19.5		1.0	0.17
541-73-1	1,3-Dichlorobenzene	17.9		1.0	0.12
106-46-7	1,4-Dichlorobenzene	18.1		1.0	0.13
123-91-1	1,4-Dioxane	354		20	6.4
78-93-3	2-Butanone (MEK)	116		5.0	0.77
591-78-6	2-Hexanone	103		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	106		5.0	2.2
67-64-1	Acetone	110		5.0	1.1
75-05-8	Acetonitrile	202		10	4.1
107-02-8	Acrolein	233		100	16
71-43-2	Benzene	19.6		1.0	0.20
75-25-2	Bromoform	29.5		1.0	0.13
74-83-9	Bromomethane	22.9		1.0	0.32
75-15-0	Carbon disulfide	21.1		1.0	0.43
56-23-5	Carbon tetrachloride	25.4		1.0	0.43
108-90-7	Chlorobenzene	19.7		1.0	0.14
74-97-5	Chlorobromomethane	21.3		1.0	0.17
124-48-1	Chlorodibromomethane	24.8		1.0	0.15
75-00-3	Chloroethane	21.8		1.0	0.35
67-66-3	Chloroform	20.5		1.0	0.21
74-87-3	Chloromethane	17.4		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	21.1		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.4		1.0	0.15
110-82-7	Cyclohexane	19.9		1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385947/3

Matrix: Solid | Lab File ID: K56989.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 06:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	22.2		1.0	0.38
75-71-8	Dichlorodifluoromethane	19.1		1.0	0.32
100-41-4	Ethylbenzene	19.2		1.0	0.18
106-93-4	Ethylene Dibromide	19.3		1.0	0.12
98-82-8	Isopropylbenzene	19.8		1.0	0.17
79-20-9	Methyl acetate	98.9		5.0	0.90
1634-04-4	Methyl tert-butyl ether	21.0		1.0	0.17
108-87-2	Methylcyclohexane	21.3		1.0	0.50
75-09-2	Methylene Chloride	21.4		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	19.1		1.0	0.11
95-47-6	o-Xylene	19.5		1.0	0.16
100-42-5	Styrene	19.0		1.0	0.15
75-65-0	TBA	191		10	3.5
127-18-4	Tetrachloroethene	22.3		1.0	0.28
108-88-3	Toluene	19.0		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	21.0		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	17.8		1.0	0.10
79-01-6	Trichloroethene	20.8		1.0	0.26
75-69-4	Trichlorofluoromethane	18.5		1.0	0.34
75-01-4	Vinyl chloride	17.7		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		78-135
460-00-4	4-Bromofluorobenzene	115		67-126
1868-53-7	Dibromofluoromethane (Surr)	109		61-149
2037-26-5	Toluene-d8 (Surr)	100		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56989.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Aug-2016 06:16:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0044683-003
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 11:43:28 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:43:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.649	1.649	0.000	71	27861	20.0	18.2	
2 Dichlorodifluoromethane	85	1.679	1.679	0.000	98	163519	20.0	19.1	
3 Chloromethane	50	1.838	1.838	0.000	99	164078	20.0	17.4	
5 Butadiene	54	1.947	1.947	0.000	97	114124	20.0	17.1	
4 Vinyl chloride	62	1.953	1.953	0.000	82	176026	20.0	17.7	
6 Bromomethane	94	2.246	2.246	0.000	99	167794	20.0	22.9	
7 Chloroethane	64	2.313	2.313	0.000	100	112717	20.0	21.8	
9 Dichlorofluoromethane	67	2.520	2.520	0.000	98	250084	20.0	19.9	
8 Trichlorofluoromethane	101	2.539	2.539	0.000	51	207382	20.0	18.5	
10 Pentane	72	2.545	2.545	0.000	94	32523	40.0	36.7	
11 Ethyl ether	59	2.752	2.752	0.000	93	70181	20.0	19.7	
12 Ethanol	46	2.758	2.758	0.000	70	21988	800.0	836.5	
13 2-Methyl-1,3-butadiene	53	2.776	2.776	0.000	97	86768	20.0	19.3	
14 1,2-Dichloro-1,1,2-trifluo	117	2.819	2.819	0.000	93	101467	20.0	24.7	
15 Acrolein	56	2.941	2.941	0.000	98	196470	300.0	232.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.953	2.953	0.000	97	129914	20.0	22.6	
17 1,1-Dichloroethene	96	2.978	2.978	0.000	96	98844	20.0	21.5	
18 Acetone	43	3.063	3.063	0.000	85	162725	100.0	109.9	
19 Iodomethane	142	3.142	3.142	0.000	100	208341	20.0	23.8	
22 Isopropyl alcohol	45	3.142	3.142	0.000	1	77767	200.0	185.8	
20 Carbon disulfide	76	3.185	3.185	0.000	100	380314	20.0	21.1	
21 3-Chloro-1-propene	76	3.307	3.307	0.000	92	68690	20.0	22.2	
23 Methyl acetate	43	3.313	3.313	0.000	99	333109	100.0	98.9	
24 Cyclopentene	67	3.331	3.331	0.000	92	237363	20.0	20.6	
29 Acetonitrile	41	3.392	3.392	0.000	97	185310	200.0	201.7	
* 25 TBA-d9 (IS)	65	3.423	3.423	0.000	99	498558	1000.0	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	95	111708	20.0	21.4	
27 2-Methyl-2-propanol	59	3.502	3.502	0.000	96	151379	200.0	190.9	
28 Methyl tert-butyl ether	73	3.599	3.599	0.000	96	287245	20.0	21.0	
30 trans-1,2-Dichloroethene	96	3.636	3.636	0.000	96	96708	20.0	21.0	
31 Acrylonitrile	53	3.709	3.709	0.000	93	326007	200.0	189.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.795	3.795	0.000	91	91952	20.0	19.4	
33 Isopropyl ether	45	4.008	4.008	0.000	98	319415	20.0	18.5	
34 1,1-Dichloroethane	63	4.051	4.051	0.000	99	180901	20.0	20.0	
35 Vinyl acetate	43	4.051	4.051	0.000	100	354803	40.0	37.0	
36 2-Chloro-1,3-butadiene	88	4.093	4.093	0.000	94	82274	20.0	20.0	
37 Tert-butyl ethyl ether	59	4.331	4.331	0.000	88	294730	20.0	19.1	
* 38 2-Butanone-d5	46	4.538	4.538	0.000	98	371406	250.0	250.0	
39 2,2-Dichloropropane	79	4.575	4.575	0.000	93	55823	20.0	21.6	
40 cis-1,2-Dichloroethene	96	4.587	4.587	0.000	93	111689	20.0	21.1	
41 Ethyl acetate	70	4.593	4.593	0.000	93	18850	40.0	46.7	
42 2-Butanone (MEK)	72	4.593	4.593	0.000	96	59784	100.0	115.6	
44 Methyl acrylate	55	4.654	4.654	0.000	89	74383	20.0	19.4	
43 Propionitrile	54	4.740	4.740	0.000	97	142548	200.0	185.8	
45 Tetrahydrofuran	72	4.819	4.819	0.000	63	28264	40.0	44.7	
46 Chlorobromomethane	128	4.825	4.825	0.000	81	56790	20.0	21.3	
47 Methacrylonitrile	67	4.837	4.837	0.000	93	375529	200.0	192.4	
48 Chloroform	83	4.874	4.874	0.000	98	183906	20.0	20.5	
49 Cyclohexane	56	5.020	5.020	0.000	94	188961	20.0	19.9	
50 1,1,1-Trichloroethane	97	5.026	5.026	0.000	93	169610	20.0	21.4	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	276633	50.0	54.4	
52 Carbon tetrachloride	117	5.154	5.154	0.000	96	143475	20.0	25.4	
53 1,1-Dichloropropene	75	5.178	5.178	0.000	95	137798	20.0	20.6	
56 Isobutyl alcohol	43	5.288	5.288	0.000	93	98363	500.0	581.1	
54 Benzene	78	5.386	5.386	0.000	96	395763	20.0	19.6	
57 Isopropyl acetate	43	5.422	5.422	0.000	96	318816	20.0	18.3	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.398	5.398	0.000	98	287857	50.0	47.6	
58 Tert-amyl methyl ether	73	5.434	5.434	0.000	94	310024	20.0	19.6	
59 1,2-Dichloroethane	62	5.477	5.477	0.000	96	138337	20.0	20.3	
60 n-Heptane	57	5.526	5.526	0.000	93	84709	20.0	19.9	
* 61 Fluorobenzene	96	5.672	5.672	0.000	99	703991	50.0	50.0	
62 n-Butanol	56	5.959	5.959	0.000	92	64915	500.0	417.2	
63 Trichloroethene	95	6.038	6.038	0.000	96	100828	20.0	20.8	
64 Ethyl acrylate	55	6.160	6.160	0.000	98	256211	20.0	19.7	
65 Methylcyclohexane	83	6.172	6.172	0.000	94	195745	20.0	21.3	
66 1,2-Dichloropropane	63	6.331	6.331	0.000	88	96880	20.0	19.5	
* 67 1,4-Dioxane-d8	96	6.386	6.386	0.000	44	38953	1000.0	1000.0	
68 Methyl methacrylate	41	6.392	6.392	0.000	89	180797	40.0	39.1	
70 n-Propyl acetate	43	6.440	6.440	0.000	98	138270	20.0	18.9	
69 1,4-Dioxane	88	6.453	6.453	0.000	30	24335	400.0	353.8	
71 Dibromomethane	93	6.465	6.465	0.000	96	65692	20.0	20.1	
72 Dichlorobromomethane	83	6.611	6.611	0.000	98	133133	20.0	22.2	
73 2-Chloroethyl vinyl ether	63	6.946	6.946	0.000	78	54821	20.0	18.4	
74 2-Nitropropane	41	6.946	6.946	0.000	86	44911	40.0	66.9	
75 Epichlorohydrin	57	7.056	7.056	0.000	99	189591	400.0	451.6	
76 cis-1,3-Dichloropropene	75	7.117	7.117	0.000	96	144062	20.0	18.4	
77 4-Methyl-2-pentanone (MIBK	43	7.276	7.276	0.000	98	530635	100.0	106.0	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	975937	50.0	50.1	
79 Toluene	91	7.452	7.452	0.000	93	419447	20.0	19.0	
80 trans-1,3-Dichloropropene	75	7.800	7.800	0.000	97	123957	20.0	17.8	
81 Ethyl methacrylate	69	7.812	7.812	0.000	90	101947	20.0	18.9	
82 1,1,2-Trichloroethane	83	8.019	8.019	0.000	94	69759	20.0	18.3	
83 Tetrachloroethene	166	8.074	8.074	0.000	97	115197	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.233	8.233	0.000	92	130149	20.0	18.1	
85 2-Hexanone	43	8.281	8.281	0.000	99	337466	100.0	103.2	
86 n-Butyl acetate	43	8.391	8.391	0.000	98	139159	20.0	17.6	
87 Chlorodibromomethane	129	8.470	8.470	0.000	98	100439	20.0	24.8	
88 Ethylene Dibromide	107	8.635	8.635	0.000	98	83584	20.0	19.3	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	87	580489	50.0	50.0	
90 Chlorobenzene	112	9.214	9.214	0.000	95	277354	20.0	19.7	
92 Ethylbenzene	106	9.306	9.306	0.000	99	152836	20.0	19.2	
91 1,1,1,2-Tetrachloroethane	131	9.324	9.324	0.000	94	110860	20.0	22.7	
93 m-Xylene & p-Xylene	106	9.452	9.452	0.000	97	184355	20.0	19.1	
94 n-Butyl acrylate	73	9.879	9.879	0.000	96	67278	20.0	17.8	
95 o-Xylene	106	9.915	9.915	0.000	94	201937	20.0	19.5	
96 Styrene	104	9.946	9.946	0.000	96	305771	20.0	19.0	
97 Amyl acetate (mixed isomer	43	10.123	10.123	0.000	88	170776	20.0	16.9	
98 Bromoform	173	10.177	10.177	0.000	96	65373	20.0	29.5	
99 Isopropylbenzene	105	10.293	10.293	0.000	96	535652	20.0	19.8	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	360660	50.0	57.4	
101 Bromobenzene	156	10.653	10.653	0.000	90	137791	20.0	19.1	
102 1,1,2,2-Tetrachloroethane	83	10.683	10.683	0.000	97	132586	20.0	17.2	
103 N-Propylbenzene	91	10.714	10.714	0.000	99	637687	20.0	17.9	
104 1,2,3-Trichloropropane	110	10.738	10.738	0.000	96	36700	20.0	18.6	
105 trans-1,4-Dichloro-2-buten	53	10.751	10.751	0.000	86	34949	20.0	17.0	
106 2-Chlorotoluene	91	10.830	10.830	0.000	90	424480	20.0	17.2	
107 4-Ethyltoluene	105	10.830	10.830	0.000	89	535795	20.0	18.0	
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	93	456616	20.0	18.0	
109 4-Chlorotoluene	91	10.940	10.940	0.000	98	352486	20.0	17.5	
110 Butyl Methacrylate	87	10.982	10.982	0.000	96	129062	20.0	14.5	
111 tert-Butylbenzene	119	11.189	11.189	0.000	94	369540	20.0	18.2	
112 1,2,4-Trimethylbenzene	105	11.250	11.250	0.000	98	473478	20.0	17.6	
113 sec-Butylbenzene	105	11.391	11.391	0.000	99	620594	20.0	18.9	
114 4-Isopropyltoluene	119	11.519	11.519	0.000	97	539987	20.0	18.2	
115 1,3-Dichlorobenzene	146	11.531	11.531	0.000	96	282455	20.0	17.9	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	94	382001	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.622	11.622	0.000	96	279682	20.0	18.1	
118 Benzyl chloride	91	11.750	11.750	0.000	99	205099	20.0	16.1	
119 2,3-Dihydroindene	117	11.811	11.811	0.000	94	514172	20.0	18.2	
120 p-Diethylbenzene	119	11.854	11.854	0.000	94	326942	20.0	17.6	
121 n-Butylbenzene	91	11.878	11.878	0.000	98	642834	20.0	17.7	
122 1,2-Dichlorobenzene	146	11.945	11.945	0.000	97	287724	20.0	18.5	
123 1,2,4,5-Tetramethylbenzene	119	12.506	12.506	0.000	97	543734	20.0	17.9	
124 1,2-Dibromo-3-Chloropropan	75	12.604	12.604	0.000	92	26647	20.0	19.0	
125 1,3,5-Trichlorobenzene	180	12.720	12.720	0.000	98	269752	20.0	19.3	
126 1,2,4-Trichlorobenzene	180	13.213	13.213	0.000	93	251319	20.0	20.0	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	95	130244	20.0	20.5	
128 Naphthalene	128	13.415	13.415	0.000	99	506939	20.0	19.6	
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	95	225272	20.0	21.9	
S 130 1,2-Dichloroethene, Total	100				0		40.0	42.1	
S 131 Xylenes, Total	100				0		40.0	38.6	
S 132 Total BTEX	1				0		100.0	96.4	

Reagents:

8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
GASES Li_00167	Amount Added:	2.00	Units: uL	
ACROLEIN W_00053	Amount Added:	3.00	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Aug-2016 11:43:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56989.D

Injection Date: 21-Aug-2016 06:16:30 Instrument ID: CVOAMS9 Operator ID:

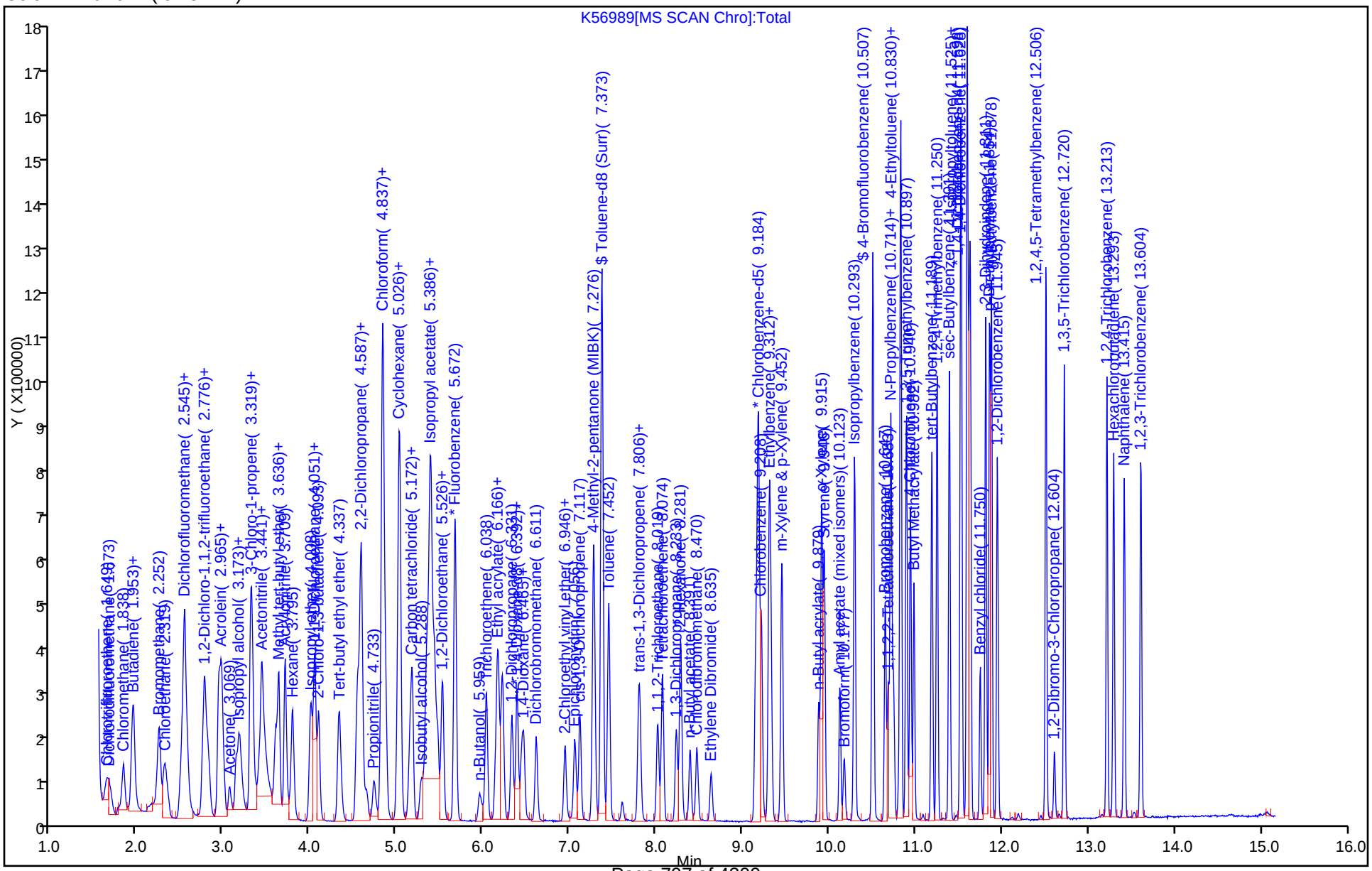
Lims ID: LCS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260S9 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385950/3

Matrix: Solid | Lab File ID: D25136.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 06:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.0		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.4		1.0	0.44
79-00-5	1,1,2-Trichloroethane	20.9		1.0	0.28
75-34-3	1,1-Dichloroethane	23.1		1.0	0.34
75-35-4	1,1-Dichloroethene	20.3		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	17.5		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	18.6		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.0	0.47
95-50-1	1,2-Dichlorobenzene	19.4		1.0	0.14
107-06-2	1,2-Dichloroethane	21.3		1.0	0.11
78-87-5	1,2-Dichloropropane	23.2		1.0	0.17
541-73-1	1,3-Dichlorobenzene	20.3		1.0	0.12
106-46-7	1,4-Dichlorobenzene	19.8		1.0	0.13
123-91-1	1,4-Dioxane	392		20	6.4
78-93-3	2-Butanone (MEK)	92.4		5.0	0.77
591-78-6	2-Hexanone	101		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	100		5.0	2.2
67-64-1	Acetone	90.9		5.0	1.1
75-05-8	Acetonitrile	183		10	4.1
107-02-8	Acrolein	277		100	16
71-43-2	Benzene	21.6		1.0	0.20
75-25-2	Bromoform	16.3		1.0	0.13
74-83-9	Bromomethane	17.4		1.0	0.32
75-15-0	Carbon disulfide	21.2		1.0	0.43
56-23-5	Carbon tetrachloride	20.1		1.0	0.43
108-90-7	Chlorobenzene	20.7		1.0	0.14
74-97-5	Chlorobromomethane	19.2		1.0	0.17
124-48-1	Chlorodibromomethane	18.7		1.0	0.15
75-00-3	Chloroethane	18.1		1.0	0.35
67-66-3	Chloroform	21.3		1.0	0.21
74-87-3	Chloromethane	20.9		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	20.9		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	23.6		1.0	0.15
110-82-7	Cyclohexane	24.3		1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385950/3

Matrix: Solid | Lab File ID: D25136.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 06:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	20.2		1.0	0.38
75-71-8	Dichlorodifluoromethane	18.9		1.0	0.32
100-41-4	Ethylbenzene	21.5		1.0	0.18
106-93-4	Ethylene Dibromide	20.0		1.0	0.12
98-82-8	Isopropylbenzene	22.4		1.0	0.17
79-20-9	Methyl acetate	117		5.0	0.90
1634-04-4	Methyl tert-butyl ether	23.1		1.0	0.17
108-87-2	Methylcyclohexane	25.6		1.0	0.50
75-09-2	Methylene Chloride	19.7		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	21.4		1.0	0.11
95-47-6	o-Xylene	22.2		1.0	0.16
100-42-5	Styrene	21.9		1.0	0.15
75-65-0	TBA	186		10	3.5
127-18-4	Tetrachloroethene	18.1		1.0	0.28
108-88-3	Toluene	20.7		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	20.8		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	22.4		1.0	0.10
79-01-6	Trichloroethene	20.2		1.0	0.26
75-69-4	Trichlorofluoromethane	17.4		1.0	0.34
75-01-4	Vinyl chloride	19.0		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		78-135
460-00-4	4-Bromofluorobenzene	82		67-126
1868-53-7	Dibromofluoromethane (Surr)	92		61-149
2037-26-5	Toluene-d8 (Surr)	96		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25136.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Aug-2016 06:41:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0044684-003
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 15:41:19 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: singthongw Date: 22-Aug-2016 15:41:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.497	1.497	0.000	53	39194	20.0	22.5	
2 Dichlorodifluoromethane	85	1.539	1.539	0.000	97	81436	20.0	18.9	
3 Chloromethane	50	1.759	1.759	0.000	99	85700	20.0	20.9	
4 Vinyl chloride	62	1.832	1.832	0.000	98	57072	20.0	19.0	
5 Butadiene	54	1.868	1.868	0.000	97	41500	20.0	23.2	
6 Bromomethane	94	2.192	2.192	0.000	97	52994	20.0	17.4	
7 Chloroethane	64	2.289	2.289	0.000	99	34319	20.0	18.1	
8 Dichlorofluoromethane	67	2.515	2.515	0.000	96	93719	20.0	18.9	
9 Trichlorofluoromethane	101	2.515	2.515	0.000	80	73430	20.0	17.4	
10 Pentane	72	2.570	2.570	0.000	96	29194	40.0	50.6	
12 Ethanol	46	2.813	2.813	0.000	72	18298	800.0	843.6	
11 Ethyl ether	59	2.813	2.813	0.000	93	66848	20.0	23.8	
13 2-Methyl-1,3-butadiene	53	2.826	2.826	0.000	98	75563	20.0	24.8	
14 1,2-Dichloro-1,1,2-trifluo	117	2.874	2.874	0.000	95	46756	20.0	20.9	
15 1,1,2-Trichloro-1,2,2-trif	101	3.008	3.008	0.000	91	41613	20.0	21.4	
16 Acrolein	56	3.021	3.021	0.000	96	145821	300.0	276.7	
17 1,1-Dichloroethene	96	3.051	3.051	0.000	94	60937	20.0	20.3	
18 Acetone	43	3.173	3.173	0.000	86	105691	100.0	90.9	
19 Iodomethane	142	3.222	3.222	0.000	99	113390	20.0	17.7	
20 Carbon disulfide	76	3.258	3.258	0.000	99	235928	20.0	21.2	
21 Isopropyl alcohol	45	3.307	3.307	0.000	100	53570	200.0	184.9	
22 3-Chloro-1-propene	76	3.435	3.435	0.000	88	47926	20.0	19.5	
23 Cyclopentene	67	3.453	3.453	0.000	91	201911	20.0	24.9	
24 Methyl acetate	43	3.466	3.466	0.000	100	290747	100.0	116.6	
25 Acetonitrile	41	3.533	3.533	0.000	98	92808	200.0	182.7	
26 Methylene Chloride	84	3.594	3.594	0.000	98	78373	20.0	19.7	
* 27 TBA-d9 (IS)	65	3.618	3.618	0.000	39	306910	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.703	3.703	0.000	91	82712	200.0	186.2	
29 Methyl tert-butyl ether	73	3.795	3.795	0.000	97	178064	20.0	23.1	
30 trans-1,2-Dichloroethene	96	3.819	3.819	0.000	99	78483	20.0	20.8	
31 Acrylonitrile	53	3.917	3.917	0.000	94	270571	200.0	197.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	4.014	4.014	0.000	95	129683	20.0	26.5	
33 Isopropyl ether	45	4.283	4.283	0.000	96	268745	20.0	24.7	
34 1,1-Dichloroethane	63	4.307	4.307	0.000	99	154863	20.0	23.1	
35 Vinyl acetate	86	4.337	4.337	0.000	100	22763	40.0	42.5	
36 2-Chloro-1,3-butadiene	88	4.362	4.362	0.000	93	69225	20.0	22.4	
37 Tert-butyl ethyl ether	59	4.667	4.667	0.000	89	216439	20.0	24.1	
* 38 2-Butanone-d5	46	4.904	4.904	0.000	0	306479	250.0	250.0	
39 2,2-Dichloropropane	79	4.911	4.911	0.000	64	32068	20.0	22.0	
40 cis-1,2-Dichloroethene	96	4.941	4.941	0.000	95	85116	20.0	20.9	
41 2-Butanone (MEK)	72	4.978	4.978	0.000	96	40245	100.0	92.4	
42 Ethyl acetate	70	4.978	4.978	0.000	95	13945	40.0	37.5	
43 Methyl acrylate	55	5.045	5.045	0.000	99	57580	20.0	22.9	
44 Propionitrile	54	5.136	5.136	0.000	98	101371	200.0	231.4	
45 Tetrahydrofuran	72	5.209	5.209	0.000	54	17824	40.0	35.8	
46 Chlorobromomethane	128	5.215	5.215	0.000	91	38740	20.0	19.2	
47 Methacrylonitrile	67	5.252	5.252	0.000	95	265888	200.0	227.7	
48 Chloroform	83	5.288	5.288	0.000	98	137403	20.0	21.3	
49 Cyclohexane	56	5.429	5.429	0.000	94	136202	20.0	24.3	
50 1,1,1-Trichloroethane	97	5.453	5.453	0.000	98	106734	20.0	21.0	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.477	0.000	96	139829	50.0	46.2	
52 Carbon tetrachloride	117	5.593	5.593	0.000	98	94153	20.0	20.1	
53 1,1-Dichloropropene	75	5.636	5.636	0.000	96	108367	20.0	23.1	
54 Isobutyl alcohol	43	5.837	5.837	0.000	91	146265	500.0	552.3	
55 Benzene	78	5.880	5.880	0.000	96	287966	20.0	21.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	150195	50.0	49.3	
57 Tert-amyl methyl ether	73	5.965	5.965	0.000	92	245518	20.0	23.3	
58 Isopropyl acetate	43	5.977	5.977	0.000	97	234152	20.0	24.3	
59 1,2-Dichloroethane	62	5.996	5.996	0.000	97	96452	20.0	21.3	
60 n-Heptane	57	6.087	6.087	0.000	95	72293	20.0	26.5	
* 61 Fluorobenzene	96	6.240	6.240	0.000	98	506338	50.0	50.0	
62 n-Butanol	56	6.642	6.642	0.000	91	50509	500.0	504.6	
63 Trichloroethene	95	6.666	6.666	0.000	98	70448	20.0	20.2	
64 Methylcyclohexane	83	6.813	6.813	0.000	95	140292	20.0	25.6	
65 Ethyl acrylate	73	6.831	6.831	0.000	96	5483	20.0	24.2	
66 1,2-Dichloropropane	63	7.002	7.002	0.000	90	76265	20.0	23.2	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	25859	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.105	0.000	94	31010	40.0	40.3	
69 1,4-Dioxane	88	7.130	7.130	0.000	43	15120	400.0	391.7	
70 Dibromomethane	93	7.142	7.142	0.000	97	42184	20.0	19.9	
71 n-Propyl acetate	43	7.166	7.166	0.000	100	98028	20.0	23.5	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	86107	20.0	20.2	
73 2-Nitropropane	41	7.630	7.630	0.000	81	25848	40.0	39.1	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	85	36087	20.0	23.5	
75 Epichlorohydrin	57	7.727	7.727	0.000	100	130077	400.0	385.0	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	93	105672	20.0	23.6	
77 4-Methyl-2-pentanone (MIBK	43	7.928	7.928	0.000	98	369983	100.0	100.4	
$ 78 Toluene-d8 (Surr)	98	7.989	7.989	0.000	98	487014	50.0	48.1	
79 Toluene	91	8.050	8.050	0.000	93	289363	20.0	20.7	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	98	85106	20.0	22.4	
81 Ethyl methacrylate	69	8.361	8.361	0.000	91	75008	20.0	21.9	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	48006	20.0	20.9	
83 Tetrachloroethene	166	8.532	8.532	0.000	95	71906	20.0	18.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.654	8.654	0.000	95	95612	20.0	23.1	
85 2-Hexanone	43	8.696	8.696	0.000	98	237238	100.0	101.0	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	16348	20.0	23.1	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	60178	20.0	18.7	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	53621	20.0	20.0	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	371336	50.0	50.0	
90 Chlorobenzene	112	9.318	9.318	0.000	95	176890	20.0	20.7	
91 Ethylbenzene	106	9.379	9.379	0.000	99	98871	20.0	21.5	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	93	66463	20.0	19.5	
93 m-Xylene & p-Xylene	106	9.477	9.477	0.000	99	122011	20.0	21.4	
94 n-Butyl acrylate	73	9.763	9.763	0.000	97	43434	20.0	22.4	
95 o-Xylene	106	9.794	9.794	0.000	93	126912	20.0	22.2	
96 Styrene	104	9.812	9.812	0.000	95	192550	20.0	21.9	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	124333	20.0	23.7	
98 Bromoform	173	9.983	9.983	0.000	96	36059	20.0	16.3	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	332897	20.0	22.4	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	88	143580	50.0	41.0	
101 Bromobenzene	156	10.330	10.330	0.000	98	75470	20.0	17.5	
102 1,1,2,2-Tetrachloroethane	83	10.348	10.348	0.000	98	77586	20.0	20.8	
103 N-Propylbenzene	91	10.373	10.373	0.000	99	405845	20.0	21.3	
104 1,2,3-Trichloropropane	110	10.391	10.391	0.000	98	22435	20.0	20.2	
105 trans-1,4-Dichloro-2-buten	53	10.397	10.397	0.000	88	22401	20.0	20.8	
106 4-Ethyltoluene	105	10.452	10.452	0.000	99	331963	20.0	21.5	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	268767	20.0	20.9	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	279259	20.0	20.6	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	233366	20.0	21.2	
110 Butyl Methacrylate	87	10.556	10.556	0.000	96	85816	20.0	21.5	
111 tert-Butylbenzene	119	10.733	10.733	0.000	93	217589	20.0	21.3	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	286966	20.0	23.3	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	362867	20.0	25.1	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	307483	20.0	23.2	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	95	147350	20.0	20.3	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	95	201868	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	93	146023	20.0	19.8	
118 Benzyl chloride	126	11.178	11.178	0.000	99	24578	20.0	20.5	
119 2,3-Dihydroindene	117	11.232	11.232	0.000	94	299825	20.0	24.2	
120 p-Diethylbenzene	119	11.257	11.257	0.000	94	190708	20.0	23.6	
121 n-Butylbenzene	92	11.275	11.275	0.000	98	170124	20.0	24.2	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	142561	20.0	19.4	
123 1,2,4,5-Tetramethylbenzene	119	11.854	11.854	0.000	97	282829	20.0	23.0	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.964	0.000	96	15432	20.0	18.9	
125 1,3,5-Trichlorobenzene	180	12.086	12.086	0.000	97	124755	20.0	19.8	
126 1,2,4-Trichlorobenzene	180	12.683	12.683	0.000	94	114527	20.0	18.6	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	94	59371	20.0	18.2	
128 Naphthalene	128	12.952	12.952	0.000	99	250419	20.0	20.6	
129 1,2,3-Trichlorobenzene	180	13.226	13.226	0.000	94	107528	20.0	17.5	
S 130 1,2-Dichloroethene, Total	100				0		40.0	41.7	
S 131 1,3-Dichloropropene, Total	100				0		40.0	46.0	
S 132 Xylenes, Total	100				0		40.0	43.6	
S 133 Total BTEX	1				0		100.0	107.4	

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00053	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

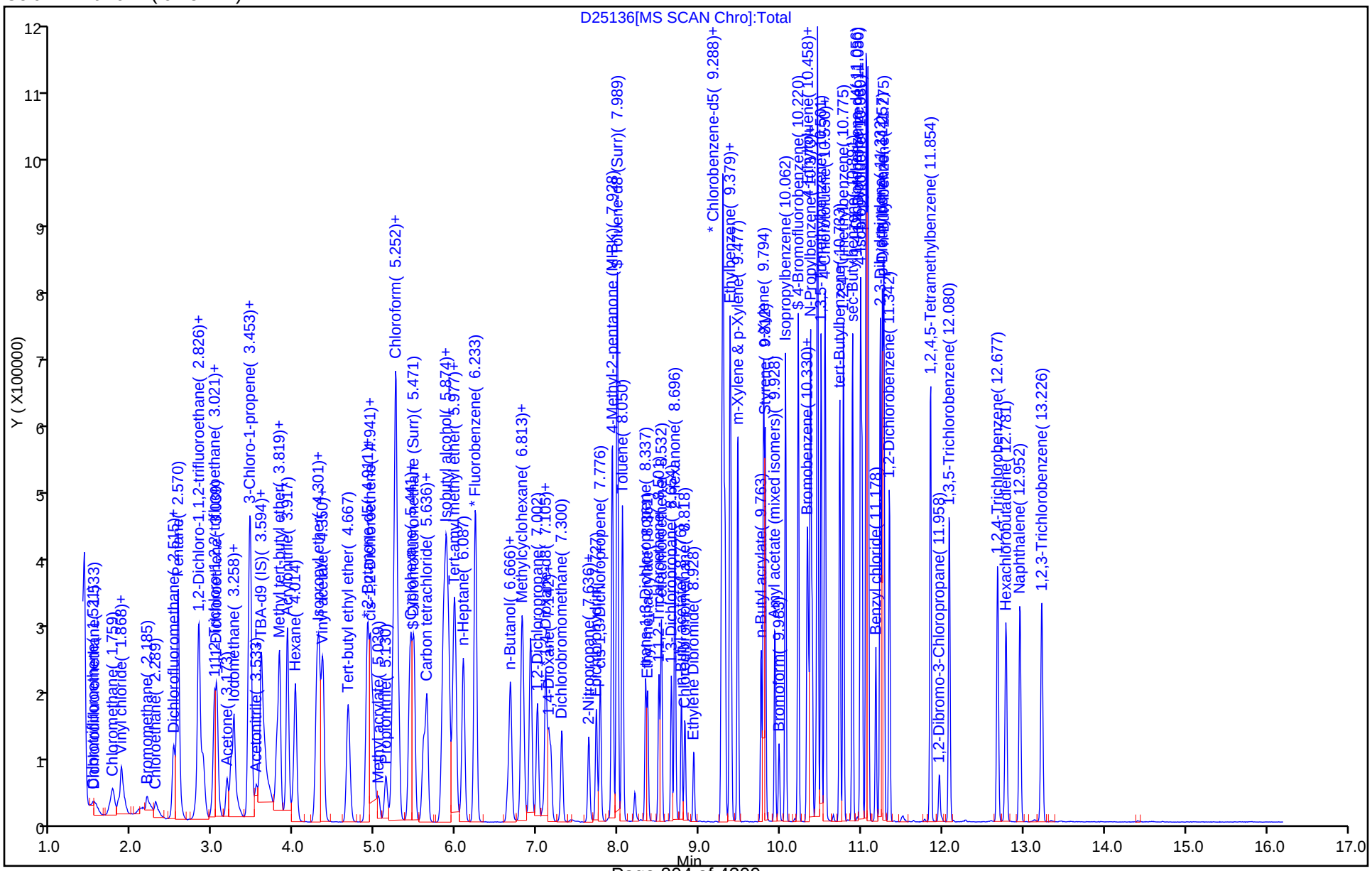
Report Date: 22-Aug-2016 15:41:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25136.D

Injection Date:	21-Aug-2016 06:41:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386008/3

Matrix: Water | Lab File ID: P16395.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.3		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.2		1.0	0.34
79-00-5	1,1,2-Trichloroethane	19.5		1.0	0.080
75-34-3	1,1-Dichloroethane	19.3		1.0	0.24
75-35-4	1,1-Dichloroethene	21.6		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	17.1		1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	18.1		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1.0	0.23
95-50-1	1,2-Dichlorobenzene	19.7		1.0	0.22
107-06-2	1,2-Dichloroethane	19.6		1.0	0.25
78-87-5	1,2-Dichloropropane	20.3		1.0	0.18
541-73-1	1,3-Dichlorobenzene	19.3		1.0	0.33
106-46-7	1,4-Dichlorobenzene	19.7		1.0	0.33
123-91-1	1,4-Dioxane	441		50	8.7
78-93-3	2-Butanone (MEK)	95.9		5.0	2.2
591-78-6	2-Hexanone	101		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	108		5.0	0.63
67-64-1	Acetone	93.1		5.0	1.1
71-43-2	Benzene	21.0		1.0	0.090
75-25-2	Bromoform	19.8		1.0	0.18
74-83-9	Bromomethane	13.8		1.0	0.18
75-15-0	Carbon disulfide	22.0		1.0	0.22
56-23-5	Carbon tetrachloride	21.9		1.0	0.33
108-90-7	Chlorobenzene	19.2		1.0	0.24
74-97-5	Chlorobromomethane	19.9		1.0	0.30
124-48-1	Chlorodibromomethane	20.5		1.0	0.22
75-00-3	Chloroethane	15.7		1.0	0.37
67-66-3	Chloroform	21.0		1.0	0.22
74-87-3	Chloromethane	16.8		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	20.3		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	20.9		1.0	0.16
110-82-7	Cyclohexane	15.9		1.0	0.26
75-27-4	Dichlorobromomethane	20.3		1.0	0.15
75-71-8	Dichlorodifluoromethane	16.1		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386008/3

Matrix: Water | Lab File ID: P16395.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	20.2		1.0	0.30
106-93-4	Ethylene Dibromide	20.3		1.0	0.19
98-82-8	Isopropylbenzene	19.8		1.0	0.32
79-20-9	Methyl acetate	113		5.0	0.58
1634-04-4	Methyl tert-butyl ether	21.9		1.0	0.13
108-87-2	Methylcyclohexane	14.1		1.0	0.22
75-09-2	Methylene Chloride	22.3		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	18.9		1.0	0.28
95-47-6	o-Xylene	20.1		1.0	0.32
100-42-5	Styrene	21.2		1.0	0.17
127-18-4	Tetrachloroethene	21.1		1.0	0.12
108-88-3	Toluene	19.4		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	20.7		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	21.1		1.0	0.19
79-01-6	Trichloroethene	21.4		1.0	0.22
75-69-4	Trichlorofluoromethane	21.7		1.0	0.15
75-01-4	Vinyl chloride	18.6		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		74-132
460-00-4	4-Bromofluorobenzene	110		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	98		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16395.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Aug-2016 08:56:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0044696-003
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 12:36:18 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: desais Date: 22-Aug-2016 09:22:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.877	0.878	-0.001	89	22507	20.0	9.96	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	99	117626	20.0	16.1	
3 Vinyl chloride	62	1.028	1.028	0.000	98	129545	20.0	18.6	
5 Chloromethane	50	1.035	1.035	0.000	73	165775	20.0	16.8	
4 Butadiene	54	1.035	1.035	0.000	92	106122	20.0	18.2	
6 Bromomethane	94	1.193	1.193	0.000	98	34001	20.0	13.8	
7 Chloroethane	64	1.250	1.250	0.000	99	45902	20.0	15.7	
8 Pentane	72	1.314	1.315	-0.001	97	26773	40.0	29.7	
9 Trichlorofluoromethane	101	1.314	1.315	-0.001	65	133444	20.0	21.7	
10 Dichlorofluoromethane	67	1.350	1.350	0.000	99	166658	20.0	24.2	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	98	162919	20.0	21.8	
12 Ethyl ether	59	1.486	1.486	0.000	96	97940	20.0	20.9	
15 Ethanol	46	1.579	1.587	-0.008	36	26584	800.0	828.8	
13 1,1-Dichloroethene	96	1.587	1.587	0.000	96	72815	20.0	21.6	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	88	107875	20.0	23.4	
16 Carbon disulfide	76	1.601	1.601	0.000	100	279026	20.0	22.0	
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	95	57809	20.0	17.2	
18 Iodomethane	142	1.665	1.666	-0.001	98	20180	20.0	6.93	
19 Cyclopentene	67	1.751	1.751	0.000	96	206959	20.0	20.8	
20 Acrolein	56	1.773	1.773	0.000	91	30112	40.0	37.9	
21 3-Chloro-1-propene	76	1.844	1.845	-0.001	90	44171	20.0	21.9	
22 Isopropyl alcohol	45	1.887	1.888	-0.001	98	75892	200.0	192.4	
23 Methylene Chloride	84	1.916	1.916	0.000	99	85201	20.0	22.3	
24 Acetone	43	1.945	1.945	0.000	86	141826	100.0	93.1	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	99	71440	20.0	20.7	
26 Methyl acetate	43	2.016	2.017	-0.001	100	452990	100.0	112.7	M
27 Hexane	57	2.052	2.052	0.000	94	138153	20.0	16.5	
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	98	257609	20.0	21.9	
* 29 TBA-d9 (IS)	65	2.109	2.110	-0.001	100	423189	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.152	2.160	-0.008	99	113239	200.0	221.5	
31 Acetonitrile	41	2.224	2.224	0.000	100	144759	200.0	199.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Isopropyl ether	45	2.310	2.310	0.000	97	293911	20.0	20.9	
34 2-Chloro-1,3-butadiene	88	2.367	2.368	-0.001	93	57758	20.0	20.1	
35 1,1-Dichloroethane	63	2.375	2.382	-0.007	99	134962	20.0	19.3	
33 Acrylonitrile	53	2.418	2.418	0.000	94	388381	200.0	203.5	
36 Tert-butyl ethyl ether	59	2.554	2.554	0.000	88	260537	20.0	21.0	
37 Vinyl acetate	43	2.554	2.554	0.000	100	393390	40.0	44.9	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	96	74731	20.0	20.3	
39 2,2-Dichloropropane	77	2.811	2.812	-0.001	97	103689	20.0	22.8	
40 Cyclohexane	56	2.876	2.876	0.000	92	100325	20.0	15.9	
41 Chlorobromomethane	128	2.883	2.883	0.000	95	30571	20.0	19.9	
42 Chloroform	83	2.940	2.941	-0.001	97	120429	20.0	21.0	
43 Carbon tetrachloride	117	3.026	3.034	-0.008	98	74458	20.0	21.9	
45 Ethyl acetate	43	3.041	3.048	-0.007	98	196333	40.0	41.4	
44 Methyl acrylate	55	3.048	3.048	0.000	58	85637	20.0	20.3	
46 Tetrahydrofuran	42	3.055	3.055	0.000	95	76787	40.0	39.8	
$ 47 Dibromofluoromethane (Surr	113	3.069	3.077	-0.008	96	66303	50.0	50.9	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	97	94864	20.0	21.3	
* 49 2-Butanone-d5	46	3.141	3.141	0.000	99	455576	250.0	250.0	
50 2-Butanone (MEK)	72	3.177	3.177	0.000	99	56493	100.0	95.9	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	71	95167	20.0	20.0	
53 Isooctane	57	3.270	3.263	0.007	99	144757	20.0	11.6	
54 n-Heptane	57	3.363	3.356	0.007	80	34828	20.0	11.5	
55 Benzene	78	3.370	3.370	0.000	95	289314	20.0	21.0	
51 Propionitrile	54	3.399	3.399	0.000	97	132486	200.0	185.8	
56 Methacrylonitrile	67	3.413	3.413	0.000	93	379700	200.0	212.0	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	91	73163	50.0	43.9	
57 Tert-amyl methyl ether	73	3.485	3.485	0.000	98	210577	20.0	20.3	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	96	95383	20.0	19.6	
60 Isobutyl alcohol	43	3.614	3.614	0.000	95	93887	500.0	462.4	
136 t-Amyl alcohol	59	3.685	3.686	-0.001	92	69696	200.0	216.4	
* 61 Fluorobenzene	96	3.721	3.721	0.000	98	586517	50.0	50.0	
62 Isopropyl acetate	43	3.786	3.786	0.000	99	170813	20.0	21.0	
63 Methylcyclohexane	83	3.850	3.850	0.000	94	77356	20.0	14.1	
64 Trichloroethene	130	3.864	3.865	-0.001	98	64337	20.0	21.4	
137 2-ethoxy-2-methyl butane	59	4.115	4.115	0.000	98	175011	20.0	20.5	
65 Dibromomethane	93	4.244	4.237	0.007	95	43750	20.0	21.1	
66 n-Butanol	56	4.258	4.251	0.007	88	55510	500.0	470.5	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	91	73925	20.0	20.3	
68 Ethyl acrylate	55	4.409	4.409	0.000	97	111519	20.0	20.9	
69 Dichlorobromomethane	83	4.416	4.416	0.000	98	85676	20.0	20.3	
70 Methyl methacrylate	100	4.617	4.610	0.007	92	41268	40.0	42.9	
* 72 1,4-Dioxane-d8	96	4.617	4.610	0.007	69	35325	1000.0	1000.0	
71 1,4-Dioxane	88	4.638	4.645	-0.007	94	19419	400.0	440.8	
73 n-Propyl acetate	43	4.767	4.774	-0.007	100	129266	20.0	21.3	
74 2-Chloroethyl vinyl ether	63	5.032	5.032	0.000	98	53335	20.0	20.6	
75 cis-1,3-Dichloropropene	75	5.068	5.068	0.000	95	109755	20.0	20.9	
$ 76 Toluene-d8 (Surr)	98	5.268	5.269	-0.001	99	298295	50.0	48.9	
77 Toluene	91	5.319	5.319	0.000	93	278127	20.0	19.4	
78 Epichlorohydrin	57	5.354	5.355	0.000	100	183759	400.0	450.5	
79 2-Nitropropane	41	5.584	5.577	0.007	98	36695	40.0	42.3	
80 Tetrachloroethene	166	5.748	5.748	0.000	97	57295	20.0	21.1	
81 4-Methyl-2-pentanone (MIBK	43	5.798	5.799	-0.001	97	446104	100.0	107.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
82 trans-1,3-Dichloropropene	75	5.827	5.827	0.000	96	101994	20.0	21.1	
83 1,1,2-Trichloroethane	83	6.006	5.999	0.007	94	51639	20.0	19.5	
84 Ethyl methacrylate	69	6.078	6.085	-0.007	90	95885	20.0	21.1	
85 Chlorodibromomethane	129	6.200	6.200	0.000	97	58666	20.0	20.5	
86 1,3-Dichloropropane	76	6.321	6.322	-0.001	94	108653	20.0	20.5	
87 Ethylene Dibromide	107	6.450	6.450	0.000	98	58479	20.0	20.3	
88 n-Butyl acetate	43	6.794	6.794	0.000	98	130512	20.0	20.6	
89 2-Hexanone	43	6.859	6.859	0.000	98	299342	100.0	101.4	
* 90 Chlorobenzene-d5	117	7.145	7.145	0.000	88	400749	50.0	50.0	
91 Chlorobenzene	112	7.167	7.167	0.000	91	160506	20.0	19.2	
92 Ethylbenzene	106	7.253	7.253	0.000	99	87386	20.0	20.2	
93 1,1,1,2-Tetrachloroethane	131	7.281	7.281	0.000	92	54541	20.0	21.1	
94 m-Xylene & p-Xylene	106	7.467	7.468	-0.001	97	105105	20.0	18.9	
95 o-Xylene	106	8.055	8.062	-0.007	93	103524	20.0	20.1	
96 Bromoform	173	8.126	8.127	-0.001	95	36690	20.0	19.8	
97 Styrene	104	8.148	8.141	0.007	95	174760	20.0	21.2	
98 n-Butyl acrylate	73	8.470	8.470	0.000	96	53104	20.0	20.1	
99 Isopropylbenzene	105	8.549	8.549	0.000	96	253470	20.0	19.8	
100 Amyl acetate (mixed isomer	43	8.886	8.886	0.000	88	149409	20.0	20.7	
$ 101 4-Bromofluorobenzene	174	8.922	8.922	0.000	88	158449	50.0	54.8	
102 Bromobenzene	156	9.029	9.036	-0.007	95	64851	20.0	20.3	
103 N-Propylbenzene	91	9.179	9.180	-0.001	98	311696	20.0	20.1	
104 1,1,2,2-Tetrachloroethane	83	9.330	9.330	0.000	98	83025	20.0	20.8	
105 2-Chlorotoluene	91	9.358	9.359	-0.001	97	216282	20.0	19.5	
106 4-Ethyltoluene	105	9.373	9.373	0.000	98	255857	20.0	19.7	
107 1,2,3-Trichloropropane	110	9.466	9.466	0.000	98	24619	20.0	22.5	
108 1,3,5-Trimethylbenzene	105	9.530	9.531	-0.001	92	208957	20.0	19.8	
109 trans-1,4-Dichloro-2-buten	53	9.588	9.588	0.000	88	24252	20.0	20.1	
110 4-Chlorotoluene	91	9.631	9.624	0.007	99	198538	20.0	19.9	
111 tert-Butylbenzene	119	10.003	10.003	0.000	94	168217	20.0	19.7	
112 Butyl Methacrylate	87	10.132	10.132	0.000	61	83749	20.0	22.4	
118 1,2,4-Trimethylbenzene	105	10.132	10.132	0.000	95	219442	20.0	20.1	
113 sec-Butylbenzene	105	10.290	10.290	0.000	99	250952	20.0	19.5	
114 1,3-Dichlorobenzene	146	10.555	10.555	0.000	94	119208	20.0	19.3	
115 4-Isopropyltoluene	119	10.576	10.569	0.007	98	214904	20.0	19.7	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	96	196112	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.712	10.712	0.000	94	125704	20.0	19.7	
119 2,3-Dihydroindene	117	10.992	10.999	-0.007	95	221174	20.0	19.6	
120 Benzyl chloride	91	11.164	11.164	0.000	97	183853	20.0	23.6	
121 p-Diethylbenzene	119	11.185	11.185	0.000	92	117341	20.0	18.7	
122 n-Butylbenzene	91	11.257	11.257	0.000	98	203190	20.0	19.3	
123 1,2-Dichlorobenzene	146	11.364	11.357	0.007	95	117796	20.0	19.7	
124 1,2,4,5-Tetramethylbenzene	119	12.252	12.253	0.000	97	200752	20.0	20.3	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	92	13796	20.0	19.9	
126 1,3,5-Trichlorobenzene	180	12.439	12.439	0.000	97	80691	20.0	18.6	
127 1,2,4-Trichlorobenzene	180	13.105	13.105	0.000	94	74841	20.0	18.1	
128 Hexachlorobutadiene	225	13.119	13.119	0.000	92	29472	20.0	20.0	
129 Naphthalene	128	13.398	13.399	-0.001	99	194082	20.0	19.9	
130 1,2,3-Trichlorobenzene	180	13.570	13.571	0.000	96	68408	20.0	17.1	
S 131 1,2-Dichloroethene, Total	100				0		40.0	41.0	
S 134 1,3-Dichloropropene, Total	100				0		40.0	42.0	
S 132 Xylenes, Total	100				0		40.0	39.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 133 Total BTEX	1				0		100.0	99.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00167	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	20.00	Units: uL	
ACROLEIN W_00055	Amount Added:	4.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Aug-2016 12:36:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16395.D

Injection Date: 22-Aug-2016 08:56:30 Instrument ID: CVOAMS13 Operator ID:

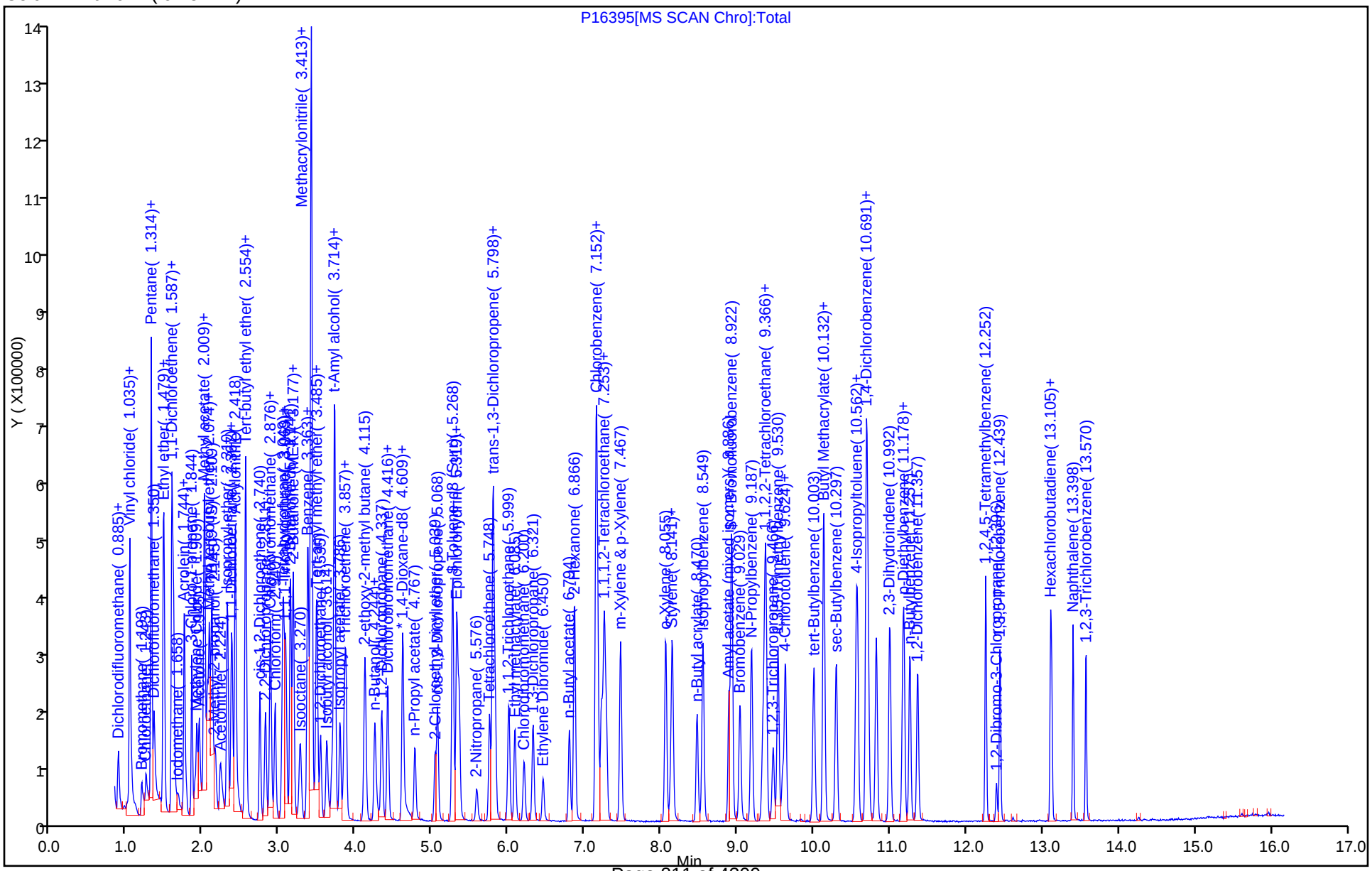
Lims ID: LCS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

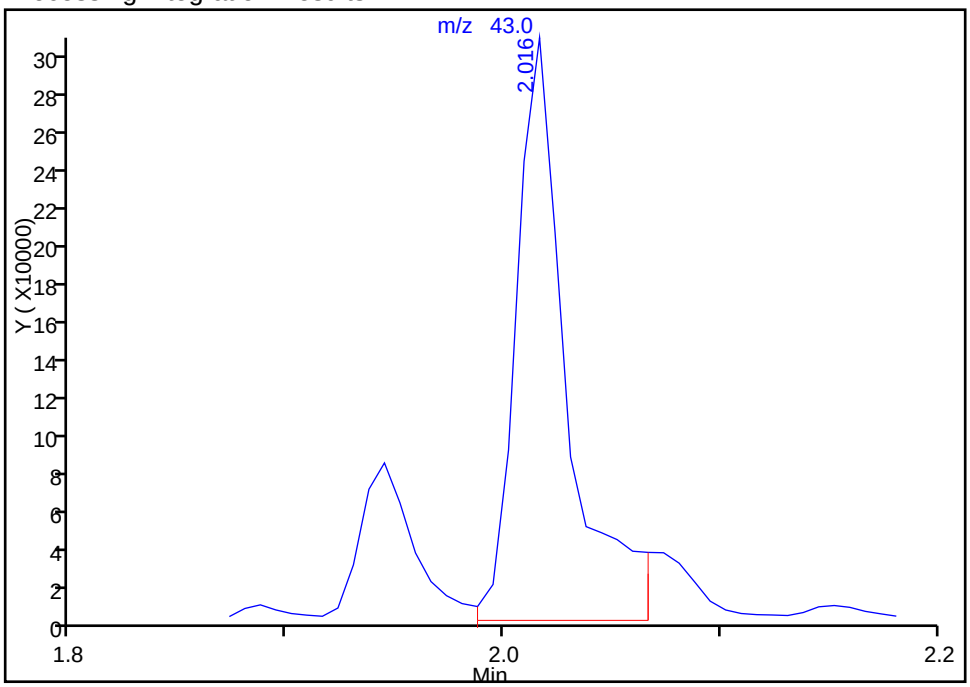
Data File:	\\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16395.D		
Injection Date:	22-Aug-2016 08:56:30	Instrument ID:	CVOAMS13
Lims ID:	LCS		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

26 Methyl acetate, CAS: 79-20-9

Signal: 1

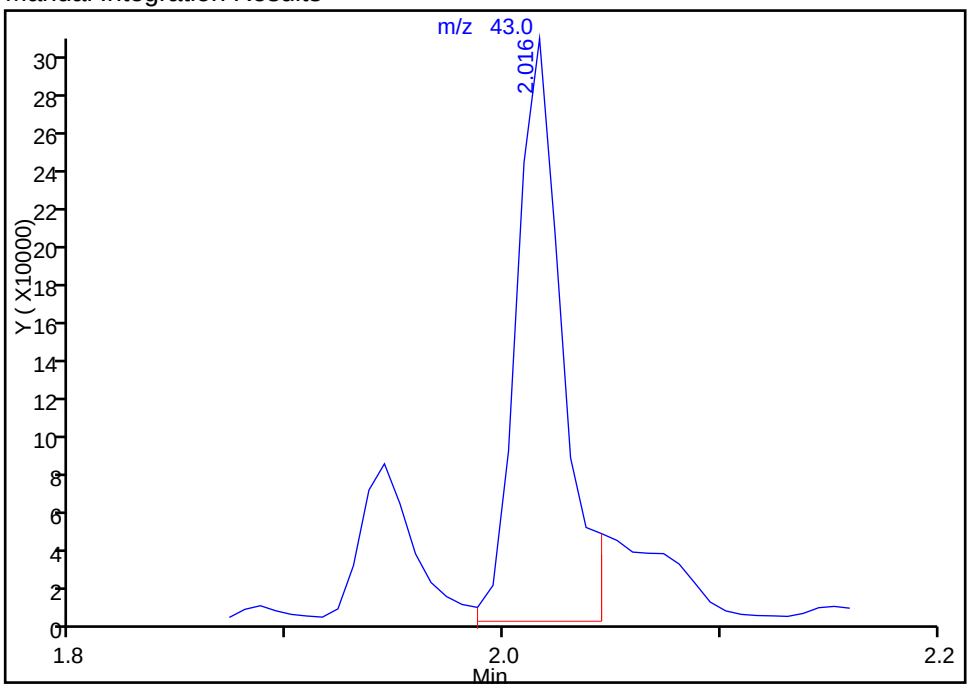
Processing Integration Results

RT: 2.02
Area: 502450
Amount: 125.0392
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 452990
Amount: 112.7307
Amount Units: ug/l



Reviewer: delpolitov, 22-Aug-2016 12:36:17

Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386039/4

Matrix: Solid | Lab File ID: D25163.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 11:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	17.6		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14.8		1.0	0.44
79-00-5	1,1,2-Trichloroethane	19.1		1.0	0.28
75-34-3	1,1-Dichloroethane	20.8		1.0	0.34
75-35-4	1,1-Dichloroethene	17.2		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	16.4		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	17.2		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1.0	0.47
95-50-1	1,2-Dichlorobenzene	18.3		1.0	0.14
107-06-2	1,2-Dichloroethane	19.2		1.0	0.11
78-87-5	1,2-Dichloropropane	21.3		1.0	0.17
541-73-1	1,3-Dichlorobenzene	18.9		1.0	0.12
106-46-7	1,4-Dichlorobenzene	18.6		1.0	0.13
123-91-1	1,4-Dioxane	390		20	6.4
78-93-3	2-Butanone (MEK)	89.7		5.0	0.77
591-78-6	2-Hexanone	98.0		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	98.0		5.0	2.2
67-64-1	Acetone	84.6		5.0	1.1
75-05-8	Acetonitrile	191		10	4.1
107-02-8	Acrolein	307		100	16
71-43-2	Benzene	19.3		1.0	0.20
75-25-2	Bromoform	15.1		1.0	0.13
74-83-9	Bromomethane	19.7		1.0	0.32
75-15-0	Carbon disulfide	17.6		1.0	0.43
56-23-5	Carbon tetrachloride	16.9		1.0	0.43
108-90-7	Chlorobenzene	19.3		1.0	0.14
74-97-5	Chlorobromomethane	18.1		1.0	0.17
124-48-1	Chlorodibromomethane	17.6		1.0	0.15
75-00-3	Chloroethane	19.6		1.0	0.35
67-66-3	Chloroform	19.5		1.0	0.21
74-87-3	Chloromethane	23.5		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	19.1		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.6		1.0	0.15
110-82-7	Cyclohexane	18.1		1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386039/4

Matrix: Solid | Lab File ID: D25163.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 11:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	18.7		1.0	0.38
75-71-8	Dichlorodifluoromethane	18.1		1.0	0.32
100-41-4	Ethylbenzene	19.5		1.0	0.18
106-93-4	Ethylene Dibromide	18.6		1.0	0.12
98-82-8	Isopropylbenzene	19.5		1.0	0.17
79-20-9	Methyl acetate	104		5.0	0.90
1634-04-4	Methyl tert-butyl ether	16.0		1.0	0.17
108-87-2	Methylcyclohexane	20.2		1.0	0.50
75-09-2	Methylene Chloride	18.3		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	19.3		1.0	0.11
95-47-6	o-Xylene	19.9		1.0	0.16
100-42-5	Styrene	19.9		1.0	0.15
75-65-0	TBA	183		10	3.5
127-18-4	Tetrachloroethene	15.4		1.0	0.28
108-88-3	Toluene	18.6		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	18.8		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	20.7		1.0	0.10
79-01-6	Trichloroethene	18.3		1.0	0.26
75-69-4	Trichlorofluoromethane	17.1		1.0	0.34
75-01-4	Vinyl chloride	20.9		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		78-135
460-00-4	4-Bromofluorobenzene	81		67-126
1868-53-7	Dibromofluoromethane (Surr)	92		61-149
2037-26-5	Toluene-d8 (Surr)	94		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25163.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Aug-2016 11:24:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0044710-004
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:28:15 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: singthongw Date: 23-Aug-2016 11:14:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.509	1.509	0.000	26	31883	20.0	17.5	
2 Dichlorodifluoromethane	85	1.539	1.539	0.000	81	81441	20.0	18.1	
3 Chloromethane	50	1.771	1.771	0.000	99	100488	20.0	23.5	
4 Vinyl chloride	62	1.838	1.838	0.000	97	65395	20.0	20.9	
5 Butadiene	54	1.881	1.881	0.000	97	36265	20.0	19.5	
6 Bromomethane	94	2.198	2.198	0.000	99	62518	20.0	19.7	
7 Chloroethane	64	2.301	2.301	0.000	100	38657	20.0	19.6	
8 Dichlorofluoromethane	67	2.521	2.521	0.000	96	105206	20.0	20.3	
9 Trichlorofluoromethane	101	2.527	2.527	0.000	78	75002	20.0	17.1	
10 Pentane	72	2.576	2.576	0.000	97	22886	40.0	38.1	
11 Ethyl ether	59	2.819	2.819	0.000	92	61089	20.0	20.8	
12 Ethanol	46	2.819	2.819	0.000	72	13449	800.0	795.9	
13 2-Methyl-1,3-butadiene	53	2.838	2.838	0.000	97	60888	20.0	19.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.880	2.880	0.000	97	39158	20.0	16.8	
15 1,1,2-Trichloro-1,2,2-trif	101	3.015	3.015	0.000	39	29880	20.0	14.8	
16 Acrolein	56	3.021	3.021	0.000	96	126352	300.0	307.1	
17 1,1-Dichloroethene	96	3.051	3.051	0.000	95	53923	20.0	17.2	
18 Acetone	43	3.173	3.173	0.000	86	92815	100.0	84.6	
19 Iodomethane	142	3.228	3.228	0.000	99	110407	20.0	16.6	
20 Carbon disulfide	76	3.264	3.264	0.000	99	204553	20.0	17.6	
21 Isopropyl alcohol	45	3.307	3.307	0.000	98	48053	200.0	212.5	
22 3-Chloro-1-propene	76	3.441	3.441	0.000	89	45155	20.0	17.7	
23 Cyclopentene	67	3.460	3.460	0.000	95	168515	20.0	20.0	
24 Methyl acetate	43	3.466	3.466	0.000	100	270956	100.0	104.2	
25 Acetonitrile	41	3.533	3.533	0.000	100	75806	200.0	191.2	
26 Methylene Chloride	84	3.600	3.600	0.000	97	75662	20.0	18.3	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	39	239607	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.703	3.703	0.000	8	63390	200.0	182.8	M
29 Methyl tert-butyl ether	73	3.795	3.795	0.000	97	128420	20.0	16.0	
30 trans-1,2-Dichloroethene	96	3.825	3.825	0.000	98	73904	20.0	18.8	
31 Acrylonitrile	53	3.923	3.923	0.000	94	251178	200.0	234.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	4.020	4.020	0.000	94	105856	20.0	20.7	
33 Isopropyl ether	45	4.283	4.283	0.000	96	252638	20.0	22.3	
34 1,1-Dichloroethane	63	4.307	4.307	0.000	99	145457	20.0	20.8	
35 Vinyl acetate	86	4.344	4.344	0.000	100	21854	40.0	39.2	
36 2-Chloro-1,3-butadiene	88	4.362	4.362	0.000	92	61624	20.0	19.2	
37 Tert-butyl ethyl ether	59	4.667	4.667	0.000	88	184686	20.0	19.7	
* 38 2-Butanone-d5	46	4.904	4.904	0.000	0	287843	250.0	250.0	
39 2,2-Dichloropropane	79	4.904	4.904	0.000	60	26244	20.0	17.3	
40 cis-1,2-Dichloroethene	96	4.941	4.941	0.000	95	81072	20.0	19.1	
41 2-Butanone (MEK)	72	4.978	4.978	0.000	96	36705	100.0	89.7	
42 Ethyl acetate	70	4.978	4.978	0.000	95	13010	40.0	37.3	
43 Methyl acrylate	55	5.045	5.045	0.000	99	53479	20.0	20.4	
44 Propionitrile	54	5.136	5.136	0.000	98	93566	200.0	204.9	
45 Tetrahydrofuran	72	5.209	5.209	0.000	55	16590	40.0	35.4	
46 Chlorobromomethane	128	5.221	5.221	0.000	95	38073	20.0	18.1	
47 Methacrylonitrile	67	5.252	5.252	0.000	94	252600	200.0	207.6	
48 Chloroform	83	5.288	5.288	0.000	98	131137	20.0	19.5	
49 Cyclohexane	56	5.435	5.435	0.000	94	105276	20.0	18.1	
50 1,1,1-Trichloroethane	97	5.459	5.459	0.000	98	93389	20.0	17.6	
$ 51 Dibromofluoromethane (Surr	113	5.484	5.484	0.000	96	144371	50.0	45.8	
52 Carbon tetrachloride	117	5.599	5.599	0.000	98	82322	20.0	16.9	
53 1,1-Dichloropropene	75	5.642	5.642	0.000	97	94216	20.0	19.3	
54 Isobutyl alcohol	43	5.837	5.837	0.000	34	122215	500.0	591.1	
55 Benzene	78	5.880	5.880	0.000	96	273259	20.0	19.3	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	150127	50.0	47.3	
57 Tert-amyl methyl ether	73	5.971	5.971	0.000	90	223994	20.0	20.4	
58 Isopropyl acetate	43	5.977	5.977	0.000	97	209151	20.0	20.8	
59 1,2-Dichloroethane	62	5.996	5.996	0.000	97	90407	20.0	19.2	
60 n-Heptane	57	6.087	6.087	0.000	95	60328	20.0	21.2	
* 61 Fluorobenzene	96	6.240	6.240	0.000	98	527772	50.0	50.0	
62 n-Butanol	56	6.642	6.642	0.000	92	43557	500.0	557.4	
63 Trichloroethene	95	6.666	6.666	0.000	98	66287	20.0	18.3	
64 Methylcyclohexane	83	6.813	6.813	0.000	94	115159	20.0	20.2	
65 Ethyl acrylate	73	6.831	6.831	0.000	97	4929	20.0	20.9	
66 1,2-Dichloropropane	63	7.002	7.002	0.000	90	73078	20.0	21.3	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	25716	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.105	0.000	93	29635	40.0	36.9	
69 1,4-Dioxane	88	7.136	7.136	0.000	44	14966	400.0	389.9	
70 Dibromomethane	93	7.142	7.142	0.000	97	41089	20.0	18.6	
71 n-Propyl acetate	43	7.166	7.166	0.000	99	90036	20.0	20.7	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	83397	20.0	18.7	
73 2-Nitropropane	41	7.629	7.629	0.000	82	24176	40.0	35.1	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	86	35069	20.0	21.9	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	121791	400.0	383.9	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	93	102729	20.0	21.6	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	339049	100.0	98.0	
$ 78 Toluene-d8 (Surr)	98	7.989	7.989	0.000	99	507243	50.0	47.1	
79 Toluene	91	8.050	8.050	0.000	94	275993	20.0	18.6	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	97	83456	20.0	20.7	
81 Ethyl methacrylate	69	8.361	8.361	0.000	91	72376	20.0	20.3	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	46544	20.0	19.1	
83 Tetrachloroethene	166	8.532	8.532	0.000	95	65055	20.0	15.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.654	8.654	0.000	94	93740	20.0	21.3	
85 2-Hexanone	43	8.696	8.696	0.000	98	216024	100.0	98.0	
86 n-Butyl acetate	73	8.782	8.782	0.000	98	15524	20.0	20.7	
87 Chlorodibromomethane	129	8.824	8.824	0.000	98	60264	20.0	17.6	
88 Ethylene Dibromide	107	8.928	8.928	0.000	97	52878	20.0	18.6	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	394829	50.0	50.0	
90 Chlorobenzene	112	9.318	9.318	0.000	94	175509	20.0	19.3	
91 Ethylbenzene	106	9.379	9.379	0.000	99	95307	20.0	19.5	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	93	65581	20.0	18.1	
93 m-Xylene & p-Xylene	106	9.477	9.477	0.000	99	116644	20.0	19.3	
94 n-Butyl acrylate	73	9.763	9.763	0.000	97	41089	20.0	19.9	
95 o-Xylene	106	9.794	9.794	0.000	93	120741	20.0	19.9	
96 Styrene	104	9.812	9.812	0.000	95	186190	20.0	19.9	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	116082	20.0	21.0	
98 Bromoform	173	9.983	9.983	0.000	96	35506	20.0	15.1	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	308597	20.0	19.5	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	89	148543	50.0	40.3	
101 Bromobenzene	156	10.330	10.330	0.000	96	74264	20.0	16.4	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	76336	20.0	19.4	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	378602	20.0	18.9	
104 1,2,3-Trichloropropane	110	10.391	10.391	0.000	97	21196	20.0	18.1	
105 trans-1,4-Dichloro-2-buten	53	10.397	10.397	0.000	80	21918	20.0	19.4	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	313009	20.0	19.2	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	259121	20.0	19.1	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	264013	20.0	18.4	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	224232	20.0	19.3	
110 Butyl Methacrylate	87	10.556	10.556	0.000	95	81578	20.0	19.4	
111 tert-Butylbenzene	119	10.733	10.733	0.000	94	201509	20.0	18.7	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	273614	20.0	21.0	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	329651	20.0	21.6	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	284252	20.0	20.3	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	95	144290	20.0	18.9	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	212698	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	93	143993	20.0	18.6	
118 Benzyl chloride	126	11.178	11.178	0.000	99	23686	20.0	18.8	
119 2,3-Dihydroindene	117	11.232	11.232	0.000	94	292952	20.0	22.6	
120 p-Diethylbenzene	119	11.257	11.257	0.000	91	177158	20.0	20.8	
121 n-Butylbenzene	92	11.275	11.275	0.000	99	155595	20.0	21.0	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	141716	20.0	18.3	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	97	269003	20.0	20.7	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.964	0.000	95	14852	20.0	17.3	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	97	121438	20.0	18.3	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	112053	20.0	17.2	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	95	53683	20.0	15.6	
128 Naphthalene	128	12.952	12.952	0.000	99	239321	20.0	18.7	
129 1,2,3-Trichlorobenzene	180	13.226	13.226	0.000	95	106274	20.0	16.4	
S 130 1,2-Dichloroethene, Total	100				0		40.0	37.9	
S 131 1,3-Dichloropropene, Total	100				0		40.0	42.3	
S 132 Xylenes, Total	100				0		40.0	39.1	
S 133 Total BTEX	1				0		100.0	96.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00055	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

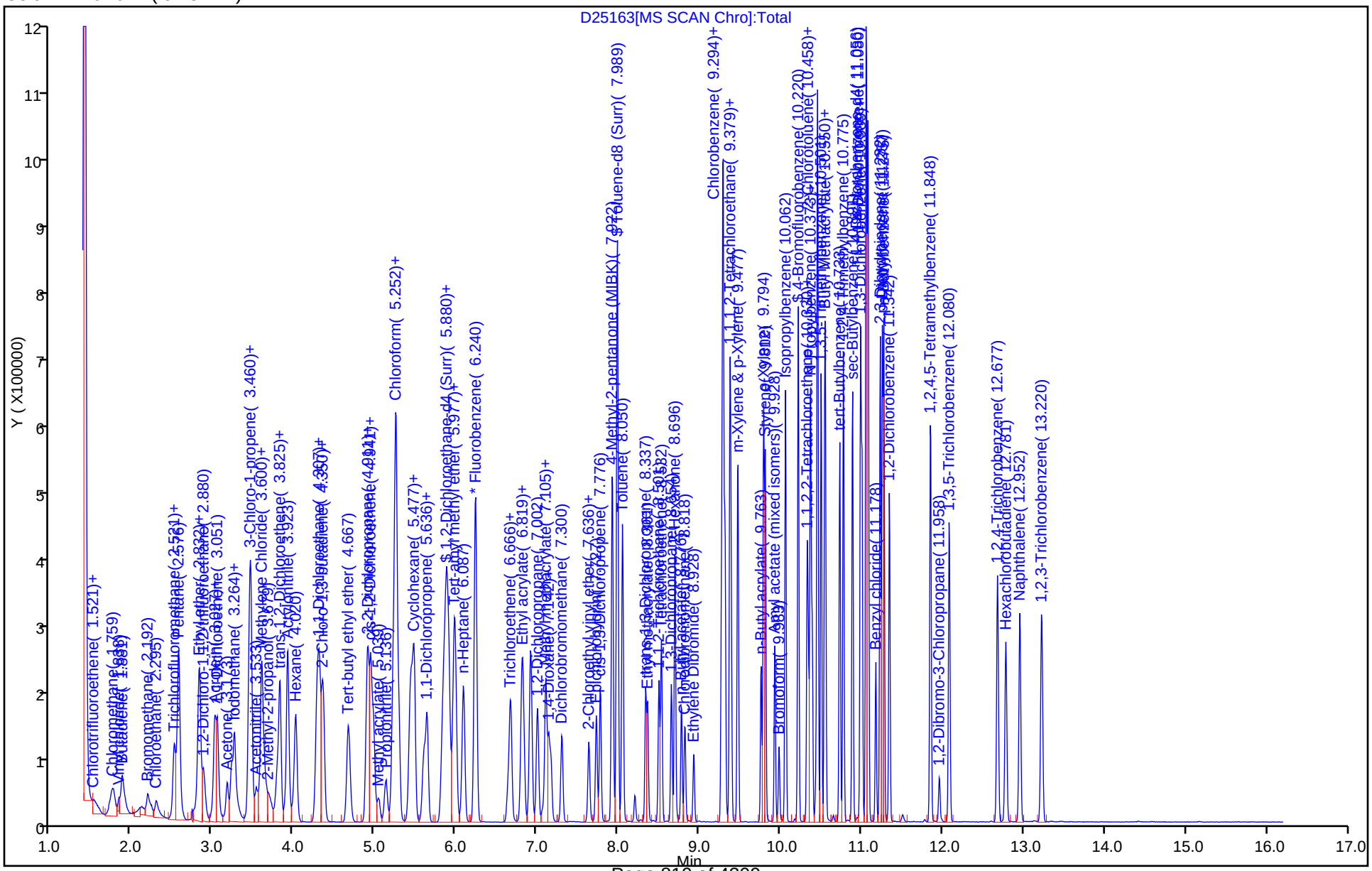
Report Date: 23-Aug-2016 19:28:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25163.D

Injection Date:	22-Aug-2016 11:24:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

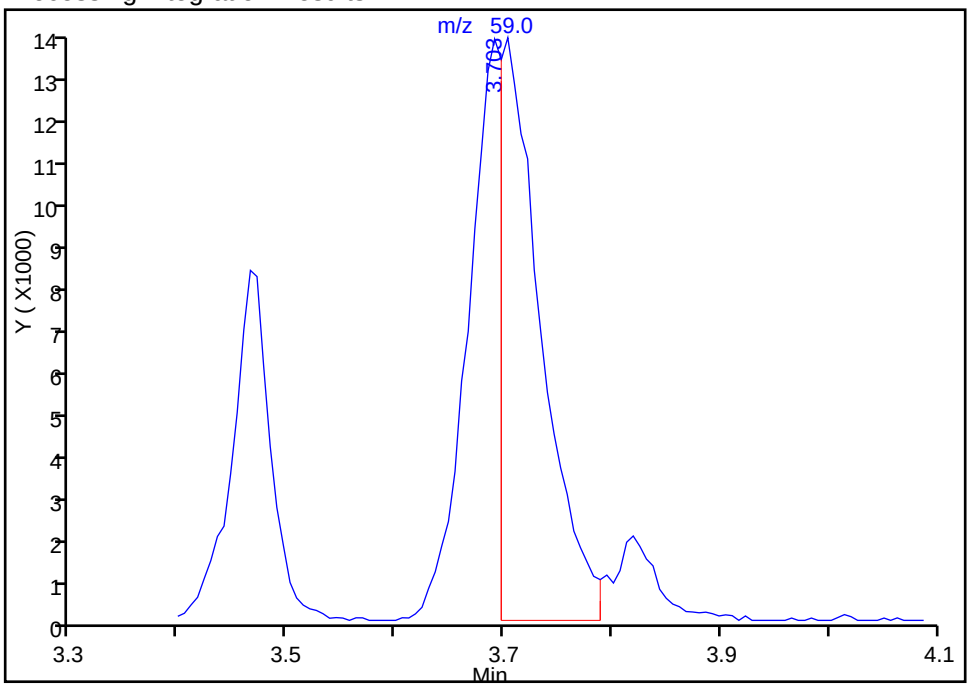
Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25163.D
Injection Date: 22-Aug-2016 11:24:30 Instrument ID: CVOAMS4
Lims ID: LCS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

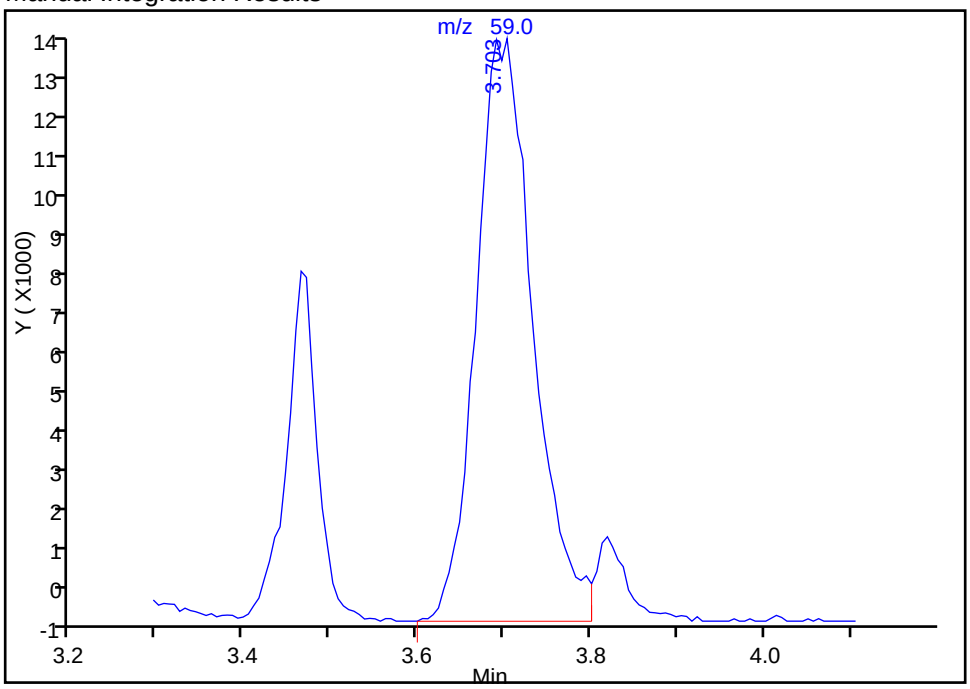
Processing Integration Results

RT: 3.70
Area: 37044
Amount: 106.7968
Amount Units: ug/l



Manual Integration Results

RT: 3.70
Area: 63390
Amount: 182.7516
Amount Units: ug/l



Reviewer: delpolitov, 23-Aug-2016 19:27:43
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386262/4

Matrix: Solid | Lab File ID: D25190.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/23/2016 12:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386262 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.2		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	18.7		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15.5		1.0	0.44
79-00-5	1,1,2-Trichloroethane	19.0		1.0	0.28
75-34-3	1,1-Dichloroethane	20.8		1.0	0.34
75-35-4	1,1-Dichloroethene	17.0		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	17.0		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	17.4		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		1.0	0.47
95-50-1	1,2-Dichlorobenzene	18.2		1.0	0.14
107-06-2	1,2-Dichloroethane	20.1		1.0	0.11
78-87-5	1,2-Dichloropropane	21.3		1.0	0.17
541-73-1	1,3-Dichlorobenzene	18.8		1.0	0.12
106-46-7	1,4-Dichlorobenzene	18.5		1.0	0.13
123-91-1	1,4-Dioxane	379		20	6.4
78-93-3	2-Butanone (MEK)	89.2		5.0	0.77
591-78-6	2-Hexanone	100		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	99.7		5.0	2.2
67-64-1	Acetone	86.4		5.0	1.1
75-05-8	Acetonitrile	200		10	4.1
107-02-8	Acrolein	299		100	16
71-43-2	Benzene	18.7		1.0	0.20
75-25-2	Bromoform	16.6		1.0	0.13
74-83-9	Bromomethane	18.8		1.0	0.32
75-15-0	Carbon disulfide	16.9		1.0	0.43
56-23-5	Carbon tetrachloride	18.0		1.0	0.43
108-90-7	Chlorobenzene	19.3		1.0	0.14
74-97-5	Chlorobromomethane	18.6		1.0	0.17
124-48-1	Chlorodibromomethane	17.9		1.0	0.15
75-00-3	Chloroethane	18.9		1.0	0.35
67-66-3	Chloroform	19.7		1.0	0.21
74-87-3	Chloromethane	22.4		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	19.2		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.2		1.0	0.15
110-82-7	Cyclohexane	19.0		1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386262/4

Matrix: Solid | Lab File ID: D25190.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/23/2016 12:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386262 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	18.9		1.0	0.38
75-71-8	Dichlorodifluoromethane	19.0		1.0	0.32
100-41-4	Ethylbenzene	19.0		1.0	0.18
106-93-4	Ethylene Dibromide	18.9		1.0	0.12
98-82-8	Isopropylbenzene	19.7		1.0	0.17
79-20-9	Methyl acetate	109		5.0	0.90
1634-04-4	Methyl tert-butyl ether	17.0		1.0	0.17
108-87-2	Methylcyclohexane	21.5		1.0	0.50
75-09-2	Methylene Chloride	17.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	19.3		1.0	0.11
95-47-6	o-Xylene	19.7		1.0	0.16
100-42-5	Styrene	19.9		1.0	0.15
75-65-0	TBA	177		10	3.5
127-18-4	Tetrachloroethene	16.4		1.0	0.28
108-88-3	Toluene	18.1		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	18.6		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	20.9		1.0	0.10
79-01-6	Trichloroethene	18.3		1.0	0.26
75-69-4	Trichlorofluoromethane	16.6		1.0	0.34
75-01-4	Vinyl chloride	20.3		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		78-135
460-00-4	4-Bromofluorobenzene	83		67-126
1868-53-7	Dibromofluoromethane (Surr)	94		61-149
2037-26-5	Toluene-d8 (Surr)	94		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25190.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 12:10:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0044756-004
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Aug-2016 10:43:19 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: baronm Date: 24-Aug-2016 10:43:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.515	1.515	0.000	90	24310	20.0	16.1	
2 Dichlorodifluoromethane	85	1.533	1.533	0.000	84	71281	20.0	19.0	
3 Chloromethane	50	1.759	1.759	0.000	99	79840	20.0	22.4	
4 Vinyl chloride	62	1.832	1.832	0.000	98	52856	20.0	20.3	
5 Butadiene	54	1.868	1.868	0.000	95	30174	20.0	19.4	
6 Bromomethane	94	2.185	2.185	0.000	98	49853	20.0	18.8	
7 Chloroethane	64	2.289	2.289	0.000	99	31120	20.0	18.9	
8 Dichlorofluoromethane	67	2.509	2.509	0.000	95	78257	20.0	18.2	
9 Trichlorofluoromethane	101	2.515	2.515	0.000	79	60857	20.0	16.6	
10 Pentane	72	2.570	2.570	0.000	97	20034	40.0	40.0	
11 Ethyl ether	59	2.807	2.807	0.000	92	51646	20.0	21.1	
12 Ethanol	46	2.819	2.819	0.000	71	11393	800.0	791.8	
13 2-Methyl-1,3-butadiene	53	2.826	2.826	0.000	98	52842	20.0	20.0	
14 1,2-Dichloro-1,1,2-trifluo	117	2.868	2.868	0.000	88	32929	20.0	17.0	
15 1,1,2-Trichloro-1,2,2-trif	101	3.008	3.008	0.000	39	26007	20.0	15.5	
16 Acrolein	56	3.015	3.015	0.000	96	104731	300.0	298.9	
17 1,1-Dichloroethene	96	3.045	3.045	0.000	95	44345	20.0	17.0	
18 Acetone	43	3.161	3.161	0.000	86	81929	100.0	86.4	
19 Iodomethane	142	3.222	3.222	0.000	100	89831	20.0	16.2	
20 Carbon disulfide	76	3.252	3.252	0.000	100	163251	20.0	16.9	
21 Isopropyl alcohol	45	3.295	3.295	0.000	100	41778	200.0	216.9	
22 3-Chloro-1-propene	76	3.435	3.435	0.000	89	37925	20.0	17.8	
23 Cyclopentene	67	3.453	3.453	0.000	95	144843	20.0	20.6	
24 Methyl acetate	43	3.460	3.460	0.000	100	236223	100.0	109.1	
25 Acetonitrile	41	3.527	3.527	0.000	98	67453	200.0	199.7	
26 Methylene Chloride	84	3.594	3.594	0.000	98	61478	20.0	17.8	
* 27 TBA-d9 (IS)	65	3.606	3.606	0.000	39	204076	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.685	3.685	0.000	98	52193	200.0	176.7	
29 Methyl tert-butyl ether	73	3.789	3.789	0.000	97	113690	20.0	17.0	
30 trans-1,2-Dichloroethene	96	3.819	3.819	0.000	98	60782	20.0	18.6	
31 Acrylonitrile	53	3.911	3.911	0.000	94	216449	200.0	237.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	4.014	4.014	0.000	94	94116	20.0	22.1	
33 Isopropyl ether	45	4.276	4.276	0.000	97	213866	20.0	22.7	
34 1,1-Dichloroethane	63	4.301	4.301	0.000	99	120911	20.0	20.8	
35 Vinyl acetate	86	4.331	4.331	0.000	100	18688	40.0	40.2	
36 2-Chloro-1,3-butadiene	88	4.356	4.356	0.000	91	52376	20.0	19.5	
37 Tert-butyl ethyl ether	59	4.661	4.661	0.000	89	157475	20.0	20.2	
* 38 2-Butanone-d5	46	4.898	4.898	0.000	0	249243	250.0	250.0	
39 2,2-Dichloropropane	79	4.904	4.904	0.000	89	22805	20.0	18.1	
40 cis-1,2-Dichloroethene	96	4.935	4.935	0.000	95	67669	20.0	19.2	
41 2-Butanone (MEK)	72	4.965	4.965	0.000	98	31619	100.0	89.2	
42 Ethyl acetate	70	4.978	4.978	0.000	95	10805	40.0	35.8	
43 Methyl acrylate	55	5.039	5.039	0.000	99	45797	20.0	21.0	
44 Propionitrile	54	5.130	5.130	0.000	98	81250	200.0	213.6	
45 Tetrahydrofuran	72	5.209	5.209	0.000	70	14065	40.0	34.7	
46 Chlorobromomethane	128	5.215	5.215	0.000	96	32564	20.0	18.6	
47 Methacrylonitrile	67	5.252	5.252	0.000	95	215133	200.0	212.2	
48 Chloroform	83	5.288	5.288	0.000	98	110328	20.0	19.7	
49 Cyclohexane	56	5.429	5.429	0.000	94	92409	20.0	19.0	
50 1,1,1-Trichloroethane	97	5.453	5.453	0.000	99	80451	20.0	18.2	
$ 51 Dibromofluoromethane (Surr	113	5.477	5.477	0.000	97	123966	50.0	47.2	
52 Carbon tetrachloride	117	5.593	5.593	0.000	98	73436	20.0	18.0	
53 1,1-Dichloropropene	75	5.636	5.636	0.000	96	80546	20.0	19.8	
54 Isobutyl alcohol	43	5.831	5.831	0.000	38	107338	500.0	609.6	
55 Benzene	78	5.874	5.874	0.000	96	228266	20.0	18.7	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	98	128214	50.0	48.5	
57 Tert-amyl methyl ether	73	5.971	5.971	0.000	92	187577	20.0	20.5	
58 Isopropyl acetate	43	5.971	5.971	0.000	97	179825	20.0	21.5	
59 1,2-Dichloroethane	62	5.996	5.996	0.000	97	78806	20.0	20.1	
60 n-Heptane	57	6.087	6.087	0.000	95	52910	20.0	22.4	
* 61 Fluorobenzene	96	6.233	6.233	0.000	98	439624	50.0	50.0	
62 n-Butanol	56	6.636	6.636	0.000	91	38486	500.0	578.2	
63 Trichloroethene	95	6.666	6.666	0.000	97	55300	20.0	18.3	
64 Methylcyclohexane	83	6.813	6.813	0.000	95	102109	20.0	21.5	
65 Ethyl acrylate	73	6.831	6.831	0.000	98	4225	20.0	21.5	
66 1,2-Dichloropropane	63	6.995	6.995	0.000	89	60670	20.0	21.3	
* 67 1,4-Dioxane-d8	96	7.063	7.063	0.000	0	22075	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.105	0.000	93	25310	40.0	37.9	
69 1,4-Dioxane	88	7.130	7.130	0.000	44	12477	400.0	378.7	
70 Dibromomethane	93	7.136	7.136	0.000	95	35711	20.0	19.4	
71 n-Propyl acetate	43	7.166	7.166	0.000	100	79568	20.0	22.0	
72 Dichlorobromomethane	83	7.300	7.300	0.000	98	70016	20.0	18.9	
73 2-Nitropropane	41	7.629	7.629	0.000	94	20969	40.0	36.5	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	97	30093	20.0	22.5	
75 Epichlorohydrin	57	7.727	7.727	0.000	100	105500	400.0	384.0	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	93	86702	20.0	21.2	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	298624	100.0	99.7	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	98	435137	50.0	47.1	
79 Toluene	91	8.050	8.050	0.000	93	230299	20.0	18.1	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	98	72233	20.0	20.9	
81 Ethyl methacrylate	69	8.361	8.361	0.000	92	60767	20.0	20.4	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	94	39685	20.0	19.0	
83 Tetrachloroethene	166	8.532	8.532	0.000	95	59618	20.0	16.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.654	8.654	0.000	95	79393	20.0	21.1	
85 2-Hexanone	43	8.696	8.696	0.000	98	191437	100.0	100.3	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	13349	20.0	20.7	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	52469	20.0	17.9	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	46188	20.0	18.9	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	338868	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	94	150616	20.0	19.3	
91 Ethylbenzene	106	9.379	9.379	0.000	99	79892	20.0	19.0	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	56305	20.0	18.1	
93 m-Xylene & p-Xylene	106	9.471	9.471	0.000	98	100154	20.0	19.3	
94 n-Butyl acrylate	73	9.757	9.757	0.000	96	34996	20.0	19.8	
95 o-Xylene	106	9.794	9.794	0.000	93	102894	20.0	19.7	
96 Styrene	104	9.812	9.812	0.000	95	159507	20.0	19.9	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	90	100013	20.0	20.3	
98 Bromoform	173	9.983	9.983	0.000	97	33589	20.0	16.6	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	268045	20.0	19.7	
$ 100 4-Bromofluorobenzene	174	10.220	10.220	0.000	92	136812	50.0	41.7	
101 Bromobenzene	156	10.330	10.330	0.000	96	65539	20.0	16.3	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	65377	20.0	18.7	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	324276	20.0	18.2	
104 1,2,3-Trichloropropane	110	10.385	10.385	0.000	94	18848	20.0	18.1	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	85	19418	20.0	19.3	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	267453	20.0	18.5	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	221520	20.0	18.3	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	228010	20.0	17.9	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	191598	20.0	18.6	
110 Butyl Methacrylate	87	10.556	10.556	0.000	95	71074	20.0	19.0	
111 tert-Butylbenzene	119	10.733	10.733	0.000	94	181741	20.0	19.0	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	234723	20.0	20.3	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	290098	20.0	21.4	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	252015	20.0	20.3	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	96	127995	20.0	18.8	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	189117	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	94	127305	20.0	18.5	
118 Benzyl chloride	126	11.178	11.178	0.000	99	20014	20.0	17.8	
119 2,3-Dihydroindene	117	11.232	11.232	0.000	94	250810	20.0	23.3	
120 p-Diethylbenzene	119	11.257	11.257	0.000	92	155206	20.0	20.5	
121 n-Butylbenzene	92	11.275	11.275	0.000	99	134672	20.0	20.4	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	124731	20.0	18.2	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	97	234599	20.0	20.3	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.964	0.000	95	13518	20.0	17.7	
125 1,3,5-Trichlorobenzene	180	12.086	12.086	0.000	97	110333	20.0	18.7	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	100368	20.0	17.4	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	96	56298	20.0	18.4	
128 Naphthalene	128	12.952	12.952	0.000	99	207987	20.0	18.2	
129 1,2,3-Trichlorobenzene	180	13.220	13.220	0.000	95	98363	20.0	17.0	
S 130 1,2-Dichloroethene, Total	100				0		40.0	37.7	
S 131 1,3-Dichloropropene, Total	100				0		40.0	42.1	
S 132 Xylenes, Total	100				0		40.0	39.0	
S 133 Total BTEX	1				0		100.0	94.8	

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00055	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Aug-2016 10:43:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25190.D

Injection Date: 23-Aug-2016 12:10:30 Instrument ID: CVOAMS4 Operator ID:

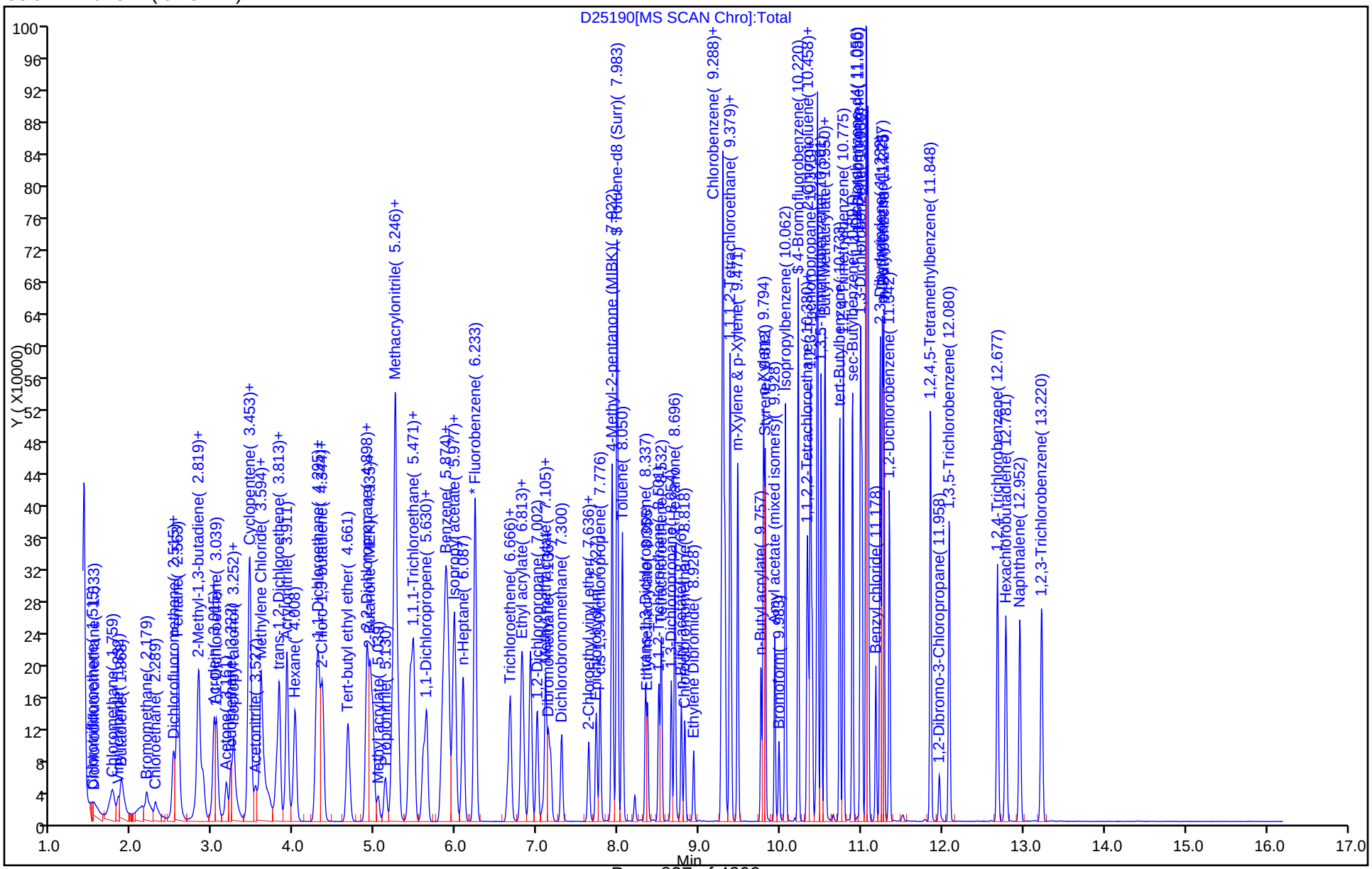
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-385947/4

Matrix: Solid | Lab File ID: K56990.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 06:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.8		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	16.8		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.6		1.0	0.44
79-00-5	1,1,2-Trichloroethane	18.1		1.0	0.28
75-34-3	1,1-Dichloroethane	19.9		1.0	0.34
75-35-4	1,1-Dichloroethene	20.9		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	21.8		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	19.4		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.0	0.47
95-50-1	1,2-Dichlorobenzene	18.1		1.0	0.14
107-06-2	1,2-Dichloroethane	20.4		1.0	0.11
78-87-5	1,2-Dichloropropane	19.5		1.0	0.17
541-73-1	1,3-Dichlorobenzene	17.5		1.0	0.12
106-46-7	1,4-Dichlorobenzene	17.8		1.0	0.13
123-91-1	1,4-Dioxane	353		20	6.4
78-93-3	2-Butanone (MEK)	112		5.0	0.77
591-78-6	2-Hexanone	105		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	106		5.0	2.2
67-64-1	Acetone	112		5.0	1.1
75-05-8	Acetonitrile	196		10	4.1
107-02-8	Acrolein	220		100	16
71-43-2	Benzene	19.3		1.0	0.20
75-25-2	Bromoform	30.2		1.0	0.13
74-83-9	Bromomethane	22.8		1.0	0.32
75-15-0	Carbon disulfide	20.9		1.0	0.43
56-23-5	Carbon tetrachloride	25.9		1.0	0.43
108-90-7	Chlorobenzene	19.6		1.0	0.14
74-97-5	Chlorobromomethane	21.3		1.0	0.17
124-48-1	Chlorodibromomethane	24.9		1.0	0.15
75-00-3	Chloroethane	21.3		1.0	0.35
67-66-3	Chloroform	20.5		1.0	0.21
74-87-3	Chloromethane	17.0		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	21.1		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.2		1.0	0.15
110-82-7	Cyclohexane	19.6		1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-385947/4

Matrix: Solid | Lab File ID: K56990.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 06:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385947 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	22.3		1.0	0.38
75-71-8	Dichlorodifluoromethane	19.4		1.0	0.32
100-41-4	Ethylbenzene	19.1		1.0	0.18
106-93-4	Ethylene Dibromide	19.4		1.0	0.12
98-82-8	Isopropylbenzene	19.4		1.0	0.17
79-20-9	Methyl acetate	98.7		5.0	0.90
1634-04-4	Methyl tert-butyl ether	20.7		1.0	0.17
108-87-2	Methylcyclohexane	20.6		1.0	0.50
75-09-2	Methylene Chloride	21.3		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	19.1		1.0	0.11
95-47-6	o-Xylene	19.3		1.0	0.16
100-42-5	Styrene	19.1		1.0	0.15
75-65-0	TBA	185		10	3.5
127-18-4	Tetrachloroethene	22.5		1.0	0.28
108-88-3	Toluene	19.0		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	20.8		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	18.4		1.0	0.10
79-01-6	Trichloroethene	20.6		1.0	0.26
75-69-4	Trichlorofluoromethane	19.9		1.0	0.34
75-01-4	Vinyl chloride	17.3		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		78-135
460-00-4	4-Bromofluorobenzene	115		67-126
1868-53-7	Dibromofluoromethane (Surr)	109		61-149
2037-26-5	Toluene-d8 (Surr)	100		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56990.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 21-Aug-2016 06:41:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0044683-004
Operator ID: Instrument ID: CVOAMS9

Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 11:43:28 Calib Date: 27-Jul-2016 02:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160726-43755.b\K56085.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: tupayachia Date: 22-Aug-2016 11:43:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.649	1.649	0.000	91	28649	20.0	18.6	
2 Dichlorodifluoromethane	85	1.673	1.679	-0.006	98	167197	20.0	19.4	
3 Chloromethane	50	1.832	1.838	-0.006	99	161192	20.0	17.0	
5 Butadiene	54	1.948	1.947	0.001	97	114351	20.0	17.0	
4 Vinyl chloride	62	1.954	1.953	0.001	82	173024	20.0	17.3	
6 Bromomethane	94	2.252	2.246	0.006	99	168429	20.0	22.8	
7 Chloroethane	64	2.319	2.313	0.006	100	111045	20.0	21.3	
9 Dichlorofluoromethane	67	2.521	2.520	0.001	98	254302	20.0	20.1	
8 Trichlorofluoromethane	101	2.527	2.539	-0.012	45	225510	20.0	19.9	
10 Pentane	72	2.551	2.545	0.006	95	33162	40.0	37.1	
12 Ethanol	46	2.752	2.758	-0.006	72	24307	800.0	888.4	
11 Ethyl ether	59	2.752	2.752	0.000	93	70878	20.0	19.7	
13 2-Methyl-1,3-butadiene	53	2.771	2.776	-0.005	99	85495	20.0	18.9	
14 1,2-Dichloro-1,1,2-trifluo	117	2.807	2.819	-0.012	93	100849	20.0	24.3	
15 Acrolein	56	2.935	2.941	-0.006	98	193260	300.0	220.0	
16 1,1,2-Trichloro-1,2,2-trif	101	2.947	2.953	-0.006	97	125222	20.0	21.6	
17 1,1-Dichloroethene	96	2.972	2.978	-0.006	96	97032	20.0	20.9	
18 Acetone	43	3.063	3.063	0.000	85	163841	100.0	111.8	
19 Iodomethane	142	3.142	3.142	0.000	100	209335	20.0	23.7	
22 Isopropyl alcohol	45	3.155	3.142	0.013	1	78708	200.0	180.7	
20 Carbon disulfide	76	3.185	3.185	0.000	100	380071	20.0	20.9	
21 3-Chloro-1-propene	76	3.301	3.307	-0.006	95	65804	20.0	21.1	
23 Methyl acetate	43	3.313	3.313	0.000	100	335308	100.0	98.7	
24 Cyclopentene	67	3.331	3.331	0.000	94	234770	20.0	20.2	
29 Acetonitrile	41	3.386	3.392	-0.006	92	187563	200.0	196.1	
* 25 TBA-d9 (IS)	65	3.423	3.423	0.000	100	518980	1000.0	1000.0	
26 Methylene Chloride	84	3.441	3.441	0.000	95	112135	20.0	21.3	
27 2-Methyl-2-propanol	59	3.496	3.502	-0.006	33	152759	200.0	185.0	
28 Methyl tert-butyl ether	73	3.600	3.599	0.001	96	285758	20.0	20.7	
30 trans-1,2-Dichloroethene	96	3.636	3.636	0.000	95	96419	20.0	20.8	
31 Acrylonitrile	53	3.703	3.709	-0.006	94	342007	200.0	197.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.795	3.795	0.000	92	89542	20.0	18.7	
33 Isopropyl ether	45	4.002	4.008	-0.006	97	325769	20.0	18.7	
34 1,1-Dichloroethane	63	4.045	4.051	-0.006	99	181672	20.0	19.9	
35 Vinyl acetate	43	4.051	4.051	0.000	99	373157	40.0	38.6	
36 2-Chloro-1,3-butadiene	88	4.093	4.093	0.000	94	83247	20.0	20.1	
37 Tert-butyl ethyl ether	59	4.331	4.331	0.000	89	295741	20.0	19.0	
* 38 2-Butanone-d5	46	4.538	4.538	0.000	99	367517	250.0	250.0	
39 2,2-Dichloropropane	79	4.569	4.575	-0.006	94	53365	20.0	20.5	
40 cis-1,2-Dichloroethene	96	4.581	4.587	-0.006	89	112662	20.0	21.1	
41 Ethyl acetate	70	4.587	4.593	-0.006	93	18410	40.0	46.1	
42 2-Butanone (MEK)	72	4.593	4.593	0.000	95	57495	100.0	112.3	
44 Methyl acrylate	55	4.648	4.654	-0.006	89	76134	20.0	19.7	
43 Propionitrile	54	4.734	4.740	-0.006	97	144821	200.0	181.3	
45 Tetrahydrofuran	72	4.825	4.819	0.006	65	27748	40.0	44.3	
46 Chlorobromomethane	128	4.825	4.825	0.000	82	57302	20.0	21.3	
47 Methacrylonitrile	67	4.837	4.837	0.000	93	371444	200.0	188.7	
48 Chloroform	83	4.868	4.874	-0.006	98	186016	20.0	20.5	
49 Cyclohexane	56	5.020	5.020	0.000	93	187628	20.0	19.6	
50 1,1,1-Trichloroethane	97	5.026	5.026	0.000	97	174915	20.0	21.8	
$ 51 Dibromofluoromethane (Surr	113	5.032	5.032	0.000	0	278302	50.0	54.3	
52 Carbon tetrachloride	117	5.154	5.154	0.000	97	147364	20.0	25.9	
53 1,1-Dichloropropene	75	5.179	5.178	0.001	94	138369	20.0	20.5	
56 Isobutyl alcohol	43	5.282	5.288	-0.006	96	90075	500.0	512.3	
54 Benzene	78	5.380	5.386	-0.006	96	396863	20.0	19.3	
$ 55 1,2-Dichloroethane-d4 (Sur	65	5.392	5.398	-0.006	97	285807	50.0	46.8	
57 Isopropyl acetate	43	5.422	5.422	0.000	96	320749	20.0	18.3	
58 Tert-amyl methyl ether	73	5.435	5.434	0.001	94	312762	20.0	19.6	
59 1,2-Dichloroethane	62	5.471	5.477	-0.006	96	139869	20.0	20.4	
60 n-Heptane	57	5.526	5.526	0.000	91	85998	20.0	20.0	
* 61 Fluorobenzene	96	5.672	5.672	0.000	99	710023	50.0	50.0	
62 n-Butanol	56	5.953	5.959	-0.006	92	68230	500.0	421.2	
63 Trichloroethene	95	6.032	6.038	-0.006	96	100524	20.0	20.6	
64 Ethyl acrylate	55	6.166	6.160	0.006	97	262283	20.0	20.0	
65 Methylcyclohexane	83	6.166	6.172	-0.006	95	190529	20.0	20.6	
66 1,2-Dichloropropane	63	6.331	6.331	0.000	89	98038	20.0	19.5	
* 67 1,4-Dioxane-d8	96	6.380	6.386	-0.006	41	42068	1000.0	1000.0	
68 Methyl methacrylate	41	6.386	6.392	-0.006	88	182047	40.0	39.1	
69 1,4-Dioxane	88	6.447	6.453	-0.006	30	26195	400.0	352.7	
70 n-Propyl acetate	43	6.441	6.440	0.001	98	138816	20.0	18.9	
71 Dibromomethane	93	6.465	6.465	0.000	96	66071	20.0	20.0	
72 Dichlorobromomethane	83	6.611	6.611	0.000	98	135029	20.0	22.3	
73 2-Chloroethyl vinyl ether	63	6.947	6.946	0.001	78	54106	20.0	18.0	
74 2-Nitropropane	41	6.947	6.946	0.001	84	44486	40.0	65.7	
75 Epichlorohydrin	57	7.062	7.056	0.006	98	186949	400.0	450.0	
76 cis-1,3-Dichloropropene	75	7.117	7.117	0.000	96	144635	20.0	18.2	
77 4-Methyl-2-pentanone (MIBK	43	7.276	7.276	0.000	98	526640	100.0	106.3	
$ 78 Toluene-d8 (Surr)	98	7.373	7.373	0.000	98	989476	50.0	49.9	
79 Toluene	91	7.453	7.452	0.001	93	426425	20.0	19.0	
80 trans-1,3-Dichloropropene	75	7.794	7.800	-0.006	97	129794	20.0	18.4	
81 Ethyl methacrylate	69	7.812	7.812	0.000	90	108208	20.0	19.7	
82 1,1,2-Trichloroethane	83	8.019	8.019	0.000	94	70079	20.0	18.1	
83 Tetrachloroethene	166	8.074	8.074	0.000	97	118372	20.0	22.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.233	8.233	0.000	94	130428	20.0	17.9	
85 2-Hexanone	43	8.282	8.281	0.001	99	340010	100.0	105.1	
86 n-Butyl acetate	43	8.391	8.391	0.000	97	143311	20.0	17.9	
87 Chlorodibromomethane	129	8.471	8.470	0.001	97	102397	20.0	24.9	
88 Ethylene Dibromide	107	8.635	8.635	0.000	99	85467	20.0	19.4	
* 89 Chlorobenzene-d5	117	9.184	9.184	0.000	86	590672	50.0	50.0	
90 Chlorobenzene	112	9.214	9.214	0.000	95	281835	20.0	19.6	
92 Ethylbenzene	106	9.306	9.306	0.000	99	155001	20.0	19.1	
91 1,1,1,2-Tetrachloroethane	131	9.324	9.324	0.000	93	110122	20.0	22.1	
93 m-Xylene & p-Xylene	106	9.452	9.452	0.000	97	187855	20.0	19.1	
94 n-Butyl acrylate	73	9.879	9.879	0.000	96	69522	20.0	18.0	
95 o-Xylene	106	9.915	9.915	0.000	94	203791	20.0	19.3	
96 Styrene	104	9.946	9.946	0.000	96	313367	20.0	19.1	
97 Amyl acetate (mixed isomer	43	10.123	10.123	0.000	89	174400	20.0	16.9	
98 Bromoform	173	10.178	10.177	0.001	97	68166	20.0	30.2	
99 Isopropylbenzene	105	10.293	10.293	0.000	96	535599	20.0	19.4	
$ 100 4-Bromofluorobenzene	174	10.507	10.507	0.000	95	369178	50.0	57.7	
101 Bromobenzene	156	10.653	10.653	0.000	89	137957	20.0	18.7	
102 1,1,2,2-Tetrachloroethane	83	10.684	10.683	0.001	97	132540	20.0	16.8	
103 N-Propylbenzene	91	10.714	10.714	0.000	99	639333	20.0	17.6	
104 1,2,3-Trichloropropane	110	10.738	10.738	0.000	97	36578	20.0	18.2	
105 trans-1,4-Dichloro-2-buten	53	10.751	10.751	0.000	81	36568	20.0	17.4	
106 2-Chlorotoluene	91	10.830	10.830	0.000	92	428620	20.0	17.0	
107 4-Ethyltoluene	105	10.830	10.830	0.000	89	536989	20.0	17.7	
108 1,3,5-Trimethylbenzene	105	10.897	10.897	0.000	93	460920	20.0	17.8	
109 4-Chlorotoluene	91	10.940	10.940	0.000	97	355967	20.0	17.3	
110 Butyl Methacrylate	87	10.982	10.982	0.000	95	134455	20.0	14.8	
111 tert-Butylbenzene	119	11.190	11.189	0.001	94	364483	20.0	17.6	
112 1,2,4-Trimethylbenzene	105	11.251	11.250	0.001	98	486019	20.0	17.7	
113 sec-Butylbenzene	105	11.391	11.391	0.000	99	619554	20.0	18.5	
114 4-Isopropyltoluene	119	11.519	11.519	0.000	97	538717	20.0	17.8	
115 1,3-Dichlorobenzene	146	11.531	11.531	0.000	97	281204	20.0	17.5	
* 116 1,4-Dichlorobenzene-d4	152	11.598	11.598	0.000	94	390174	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.616	11.622	-0.006	96	281453	20.0	17.8	
118 Benzyl chloride	91	11.750	11.750	0.000	99	203873	20.0	15.6	
119 2,3-Dihydroindene	117	11.811	11.811	0.000	94	522712	20.0	18.1	
120 p-Diethylbenzene	119	11.854	11.854	0.000	93	321656	20.0	16.9	
121 n-Butylbenzene	91	11.878	11.878	0.000	96	639103	20.0	17.3	
122 1,2-Dichlorobenzene	146	11.946	11.945	0.001	96	287626	20.0	18.1	
123 1,2,4,5-Tetramethylbenzene	119	12.513	12.506	0.006	98	543523	20.0	17.5	
124 1,2-Dibromo-3-Chloropropan	75	12.604	12.604	0.000	92	25851	20.0	18.1	
125 1,3,5-Trichlorobenzene	180	12.720	12.720	0.000	97	265778	20.0	18.6	
126 1,2,4-Trichlorobenzene	180	13.214	13.213	0.001	94	249470	20.0	19.4	
127 Hexachlorobutadiene	225	13.293	13.293	0.000	95	130207	20.0	20.0	
128 Naphthalene	128	13.415	13.415	0.000	99	505260	20.0	19.1	
129 1,2,3-Trichlorobenzene	180	13.610	13.610	0.000	95	229090	20.0	21.8	
S 130 1,2-Dichloroethene, Total	100				0		40.0	41.9	
S 131 Xylenes, Total	100				0		40.0	38.4	
S 132 Total BTEX	1				0		100.0	95.9	

Reagents:

8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
GASES Li_00167	Amount Added:	2.00	Units: uL	
ACROLEIN W_00053	Amount Added:	3.00	Units: uL	
8260ISNEW_00079	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00133	Amount Added:	1.00	Units: uL	Run Reagent

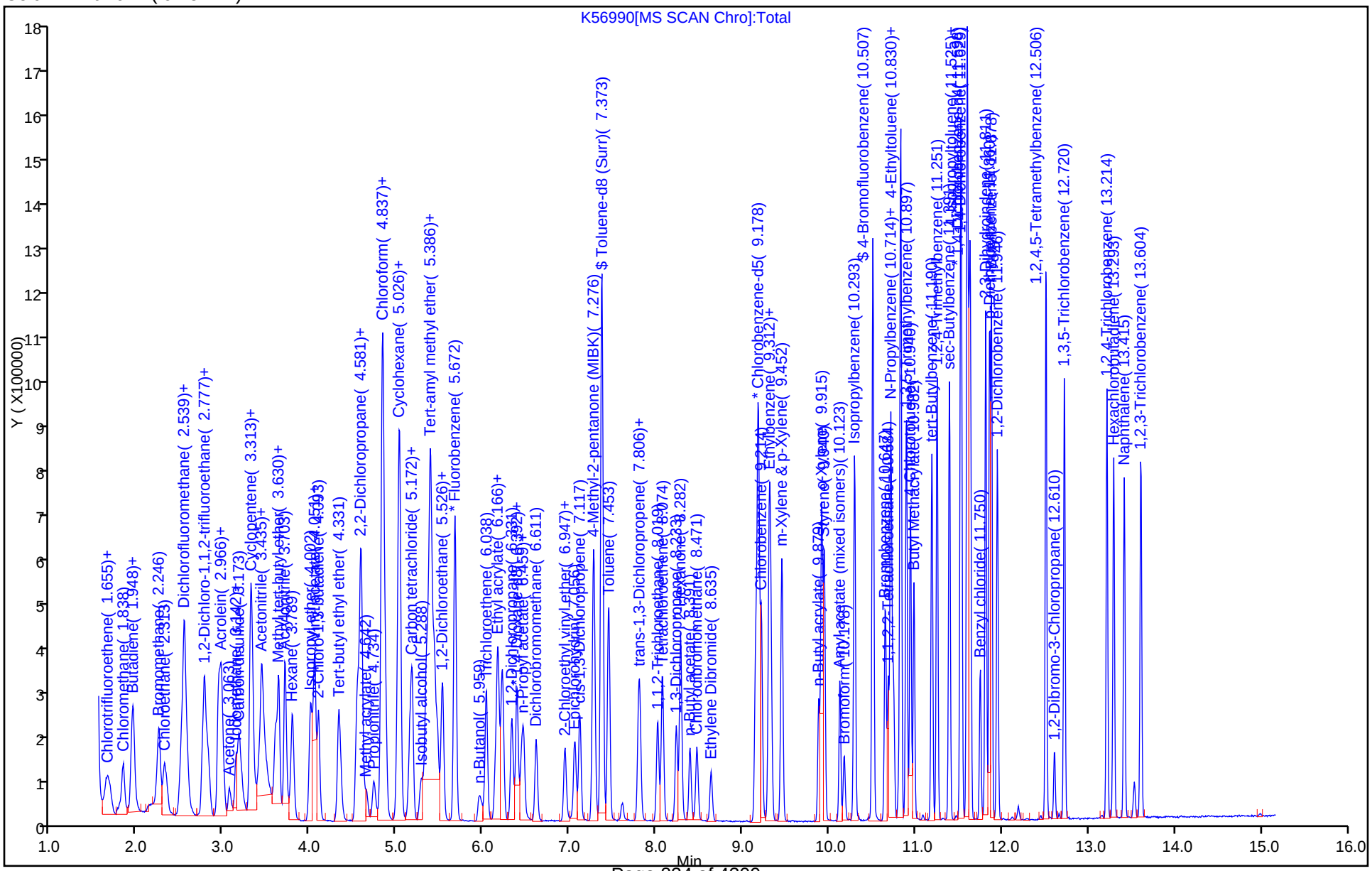
Report Date: 22-Aug-2016 11:43:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160821-44683.b\K56990.D

Injection Date:	21-Aug-2016 06:41:30	Instrument ID:	CVOAMS9	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260S9	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-385950/4

Matrix: Solid | Lab File ID: D25137.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 07:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.8		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.3		1.0	0.44
79-00-5	1,1,2-Trichloroethane	20.7		1.0	0.28
75-34-3	1,1-Dichloroethane	23.2		1.0	0.34
75-35-4	1,1-Dichloroethene	20.8		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	17.5		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	18.4		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		1.0	0.47
95-50-1	1,2-Dichlorobenzene	19.3		1.0	0.14
107-06-2	1,2-Dichloroethane	21.0		1.0	0.11
78-87-5	1,2-Dichloropropane	23.0		1.0	0.17
541-73-1	1,3-Dichlorobenzene	20.3		1.0	0.12
106-46-7	1,4-Dichlorobenzene	19.6		1.0	0.13
123-91-1	1,4-Dioxane	384		20	6.4
78-93-3	2-Butanone (MEK)	91.2		5.0	0.77
591-78-6	2-Hexanone	101		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	98.8		5.0	2.2
67-64-1	Acetone	88.0		5.0	1.1
75-05-8	Acetonitrile	172		10	4.1
107-02-8	Acrolein	281		100	16
71-43-2	Benzene	21.4		1.0	0.20
75-25-2	Bromoform	15.8		1.0	0.13
74-83-9	Bromomethane	17.1		1.0	0.32
75-15-0	Carbon disulfide	20.5		1.0	0.43
56-23-5	Carbon tetrachloride	20.0		1.0	0.43
108-90-7	Chlorobenzene	20.7		1.0	0.14
74-97-5	Chlorobromomethane	18.9		1.0	0.17
124-48-1	Chlorodibromomethane	18.4		1.0	0.15
75-00-3	Chloroethane	17.1		1.0	0.35
67-66-3	Chloroform	21.2		1.0	0.21
74-87-3	Chloromethane	20.5		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	20.6		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	23.1		1.0	0.15
110-82-7	Cyclohexane	23.9		1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-385950/4

Matrix: Solid | Lab File ID: D25137.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/21/2016 07:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385950 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	19.9		1.0	0.38
75-71-8	Dichlorodifluoromethane	19.1		1.0	0.32
100-41-4	Ethylbenzene	21.8		1.0	0.18
106-93-4	Ethylene Dibromide	19.6		1.0	0.12
98-82-8	Isopropylbenzene	22.2		1.0	0.17
79-20-9	Methyl acetate	122		5.0	0.90
1634-04-4	Methyl tert-butyl ether	20.6		1.0	0.17
108-87-2	Methylcyclohexane	25.7		1.0	0.50
75-09-2	Methylene Chloride	19.2		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	21.4		1.0	0.11
95-47-6	o-Xylene	22.1		1.0	0.16
100-42-5	Styrene	21.9		1.0	0.15
75-65-0	TBA	180		10	3.5
127-18-4	Tetrachloroethene	18.3		1.0	0.28
108-88-3	Toluene	20.5		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	20.9		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	22.3		1.0	0.10
79-01-6	Trichloroethene	20.4		1.0	0.26
75-69-4	Trichlorofluoromethane	16.8		1.0	0.34
75-01-4	Vinyl chloride	19.5		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		78-135
460-00-4	4-Bromofluorobenzene	83		67-126
1868-53-7	Dibromofluoromethane (Surr)	94		61-149
2037-26-5	Toluene-d8 (Surr)	97		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25137.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 21-Aug-2016 07:06:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0044684-004
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 11:19:04 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: singthongw Date: 22-Aug-2016 15:44:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.515	1.497	0.018	47	40393	20.0	22.7	
2 Dichlorodifluoromethane	85	1.545	1.533	0.012	99	83993	20.0	19.1	
3 Chloromethane	50	1.771	1.759	0.012	99	85554	20.0	20.5	
4 Vinyl chloride	62	1.838	1.832	0.006	97	59785	20.0	19.5	
5 Butadiene	54	1.874	1.869	0.005	96	40160	20.0	22.0	
6 Bromomethane	94	2.191	2.186	0.005	98	53155	20.0	17.1	
7 Chloroethane	64	2.295	2.289	0.006	99	33006	20.0	17.1	
8 Dichlorofluoromethane	67	2.515	2.509	0.006	95	92488	20.0	18.3	
9 Trichlorofluoromethane	101	2.521	2.515	0.006	82	72400	20.0	16.8	
10 Pentane	72	2.569	2.570	-0.001	98	29007	40.0	49.3	
12 Ethanol	46	2.813	2.807	0.006	77	16889	800.0	784.6	
11 Ethyl ether	59	2.813	2.813	0.000	93	66946	20.0	23.3	
13 2-Methyl-1,3-butadiene	53	2.832	2.826	0.006	98	76465	20.0	24.6	
14 1,2-Dichloro-1,1,2-trifluo	117	2.880	2.874	0.006	88	46772	20.0	20.5	
15 1,1,2-Trichloro-1,2,2-trif	101	3.008	3.009	-0.001	96	38198	20.0	19.3	
16 Acrolein	56	3.021	3.015	0.006	96	147374	300.0	281.0	
17 1,1-Dichloroethene	96	3.051	3.045	0.006	94	63894	20.0	20.8	
18 Acetone	43	3.179	3.173	0.006	86	108103	100.0	88.0	
19 Iodomethane	142	3.228	3.222	0.006	99	112706	20.0	17.3	
20 Carbon disulfide	76	3.258	3.258	0.000	99	232996	20.0	20.5	
21 Isopropyl alcohol	45	3.307	3.307	0.000	99	58177	200.0	201.8	
22 3-Chloro-1-propene	76	3.441	3.441	0.000	88	51040	20.0	20.4	
23 Cyclopentene	67	3.460	3.454	0.006	95	206583	20.0	25.0	
24 Methyl acetate	43	3.466	3.466	0.000	100	309243	100.0	121.6	
25 Acetonitrile	41	3.545	3.539	0.006	99	86824	200.0	171.8	
26 Methylene Chloride	84	3.594	3.594	0.000	98	77861	20.0	19.2	
* 27 TBA-d9 (IS)	65	3.624	3.618	0.006	38	305431	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.703	3.710	-0.007	91	79623	200.0	180.1	
29 Methyl tert-butyl ether	73	3.795	3.795	0.000	97	161775	20.0	20.6	
30 trans-1,2-Dichloroethene	96	3.825	3.819	0.006	99	80298	20.0	20.9	
31 Acrylonitrile	53	3.923	3.917	0.006	94	277089	200.0	202.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	4.014	4.014	0.000	94	135924	20.0	27.2	
33 Isopropyl ether	45	4.283	4.283	0.000	98	271416	20.0	24.5	
34 1,1-Dichloroethane	63	4.307	4.307	0.000	99	158418	20.0	23.2	
35 Vinyl acetate	86	4.344	4.338	0.006	100	23142	40.0	42.4	
36 2-Chloro-1,3-butadiene	88	4.362	4.362	0.000	91	71418	20.0	22.7	
37 Tert-butyl ethyl ether	59	4.667	4.667	0.000	89	205616	20.0	22.4	
* 38 2-Butanone-d5	46	4.904	4.905	-0.001	0	323083	250.0	250.0	
39 2,2-Dichloropropane	79	4.904	4.905	-0.001	64	32575	20.0	22.0	
40 cis-1,2-Dichloroethene	96	4.947	4.941	0.006	95	85487	20.0	20.6	
41 2-Butanone (MEK)	72	4.971	4.972	-0.001	96	41873	100.0	91.2	
42 Ethyl acetate	70	4.990	4.984	0.006	95	14637	40.0	37.4	
43 Methyl acrylate	55	5.045	5.045	0.000	99	58573	20.0	22.9	
44 Propionitrile	54	5.136	5.136	0.000	98	106468	200.0	238.3	
45 Tetrahydrofuran	72	5.215	5.215	0.000	55	18777	40.0	35.7	
46 Chlorobromomethane	128	5.221	5.215	0.006	96	38869	20.0	18.9	
47 Methacrylonitrile	67	5.258	5.252	0.006	95	273710	200.0	229.9	
48 Chloroform	83	5.295	5.289	0.006	98	139533	20.0	21.2	
49 Cyclohexane	56	5.429	5.429	0.000	95	136356	20.0	23.9	
50 1,1,1-Trichloroethane	97	5.453	5.453	0.000	99	107902	20.0	20.8	
$ 51 Dibromofluoromethane (Surr	113	5.484	5.478	0.006	96	144647	50.0	46.9	
52 Carbon tetrachloride	117	5.599	5.600	-0.001	97	95699	20.0	20.0	
53 1,1-Dichloropropene	75	5.642	5.636	0.006	96	109428	20.0	22.9	
54 Isobutyl alcohol	43	5.843	5.831	0.012	29	152056	500.0	577.0	
55 Benzene	78	5.880	5.874	0.006	98	293358	20.0	21.4	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	98	157987	50.0	50.8	
57 Tert-amyl methyl ether	73	5.971	5.971	0.000	92	245406	20.0	22.8	
58 Isopropyl acetate	43	5.977	5.971	0.006	98	230352	20.0	23.4	
59 1,2-Dichloroethane	62	5.996	5.996	0.000	97	96992	20.0	21.0	
60 n-Heptane	57	6.087	6.087	0.000	96	75709	20.0	27.3	
* 61 Fluorobenzene	96	6.239	6.234	0.005	98	516368	50.0	50.0	
62 n-Butanol	56	6.642	6.642	0.000	93	52896	500.0	531.0	
63 Trichloroethene	95	6.672	6.666	0.006	97	72407	20.0	20.4	
64 Methylcyclohexane	83	6.813	6.813	0.000	96	143483	20.0	25.7	
65 Ethyl acrylate	73	6.843	6.837	0.006	97	5203	20.0	22.5	
66 1,2-Dichloropropane	63	7.002	7.002	0.000	90	76988	20.0	23.0	
* 67 1,4-Dioxane-d8	96	7.069	7.063	0.006	0	27170	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.105	0.000	93	32429	40.0	41.3	
69 1,4-Dioxane	88	7.142	7.130	0.012	82	15562	400.0	383.7	
70 Dibromomethane	93	7.142	7.136	0.006	97	42835	20.0	19.8	
71 n-Propyl acetate	43	7.172	7.166	0.006	99	100892	20.0	23.7	
72 Dichlorobromomethane	83	7.306	7.300	0.006	99	86475	20.0	19.9	
73 2-Nitropropane	41	7.629	7.630	-0.001	81	26242	40.0	38.9	
74 2-Chloroethyl vinyl ether	63	7.642	7.636	0.006	85	36874	20.0	23.5	
75 Epichlorohydrin	57	7.733	7.727	0.006	99	134957	400.0	379.0	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	93	106309	20.0	23.1	
77 4-Methyl-2-pentanone (MIBK	43	7.928	7.922	0.006	98	383625	100.0	98.8	
$ 78 Toluene-d8 (Surr)	98	7.989	7.983	0.006	98	506505	50.0	48.6	
79 Toluene	91	8.050	8.050	0.000	93	294710	20.0	20.5	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	99	87104	20.0	22.3	
81 Ethyl methacrylate	69	8.361	8.361	0.000	91	76603	20.0	21.9	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	48861	20.0	20.7	
83 Tetrachloroethene	166	8.532	8.532	0.000	96	75003	20.0	18.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.654	8.654	0.000	95	97129	20.0	22.8	
85 2-Hexanone	43	8.696	8.696	0.000	98	250611	100.0	101.3	
86 n-Butyl acetate	73	8.782	8.776	0.006	98	16907	20.0	23.3	
87 Chlorodibromomethane	129	8.824	8.818	0.006	98	60860	20.0	18.4	
88 Ethylene Dibromide	107	8.928	8.928	0.000	99	54095	20.0	19.6	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	89	382117	50.0	50.0	
90 Chlorobenzene	112	9.318	9.312	0.006	93	182681	20.0	20.7	
91 Ethylbenzene	106	9.379	9.379	0.000	99	103382	20.0	21.8	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	66537	20.0	19.0	
93 m-Xylene & p-Xylene	106	9.477	9.477	0.000	98	125492	20.0	21.4	
94 n-Butyl acrylate	73	9.763	9.757	0.006	96	45324	20.0	22.7	
95 o-Xylene	106	9.794	9.794	0.000	93	129830	20.0	22.1	
96 Styrene	104	9.812	9.812	0.000	95	197890	20.0	21.9	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	90	128822	20.0	23.8	
98 Bromoform	173	9.983	9.983	0.000	95	36021	20.0	15.8	
99 Isopropylbenzene	105	10.062	10.062	0.000	97	339225	20.0	22.2	
$ 100 4-Bromofluorobenzene	174	10.220	10.221	-0.001	89	150836	50.0	41.7	
101 Bromobenzene	156	10.330	10.330	0.000	98	76858	20.0	17.3	
102 1,1,2,2-Tetrachloroethane	83	10.348	10.342	0.006	98	79041	20.0	20.5	
103 N-Propylbenzene	91	10.373	10.367	0.006	99	424943	20.0	21.6	
104 1,2,3-Trichloropropane	110	10.391	10.391	0.000	97	22404	20.0	19.5	
105 trans-1,4-Dichloro-2-buten	53	10.397	10.391	0.006	78	23811	20.0	21.4	
106 4-Ethyltoluene	105	10.458	10.452	0.006	98	342640	20.0	21.5	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	277944	20.0	20.9	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	284894	20.0	20.3	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	239562	20.0	21.1	
110 Butyl Methacrylate	87	10.556	10.556	0.000	96	88796	20.0	21.5	
111 tert-Butylbenzene	119	10.733	10.733	-0.001	93	223383	20.0	21.2	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	294105	20.0	23.1	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	375762	20.0	25.1	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	319409	20.0	23.3	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	95	151916	20.0	20.3	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	208614	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	93	149210	20.0	19.6	
118 Benzyl chloride	126	11.178	11.178	0.000	98	26024	20.0	21.0	
119 2,3-Dihydroindene	117	11.232	11.233	-0.001	94	305332	20.0	24.1	
120 p-Diethylbenzene	119	11.257	11.257	0.000	92	197260	20.0	23.6	
121 n-Butylbenzene	92	11.275	11.275	0.000	98	176908	20.0	24.3	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	146083	20.0	19.3	
123 1,2,4,5-Tetramethylbenzene	119	11.854	11.848	0.006	97	291826	20.0	22.9	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.964	0.000	95	15572	20.0	18.5	
125 1,3,5-Trichlorobenzene	180	12.086	12.080	0.006	97	129920	20.0	19.9	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	117327	20.0	18.4	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	94	61318	20.0	18.1	
128 Naphthalene	128	12.952	12.952	0.000	99	256453	20.0	20.4	
129 1,2,3-Trichlorobenzene	180	13.226	13.226	0.000	95	111641	20.0	17.5	
S 130 1,2-Dichloroethene, Total	100				0		40.0	41.5	
S 131 1,3-Dichloropropene, Total	100				0		40.0	45.4	
S 132 Xylenes, Total	100				0		40.0	43.5	
S 133 Total BTEX	1				0		100.0	107.2	

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00053	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 23-Aug-2016 19:10:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160821-44684.b\D25137.D

Injection Date: 21-Aug-2016 07:06:30 Instrument ID: CVOAMS4 Operator ID:

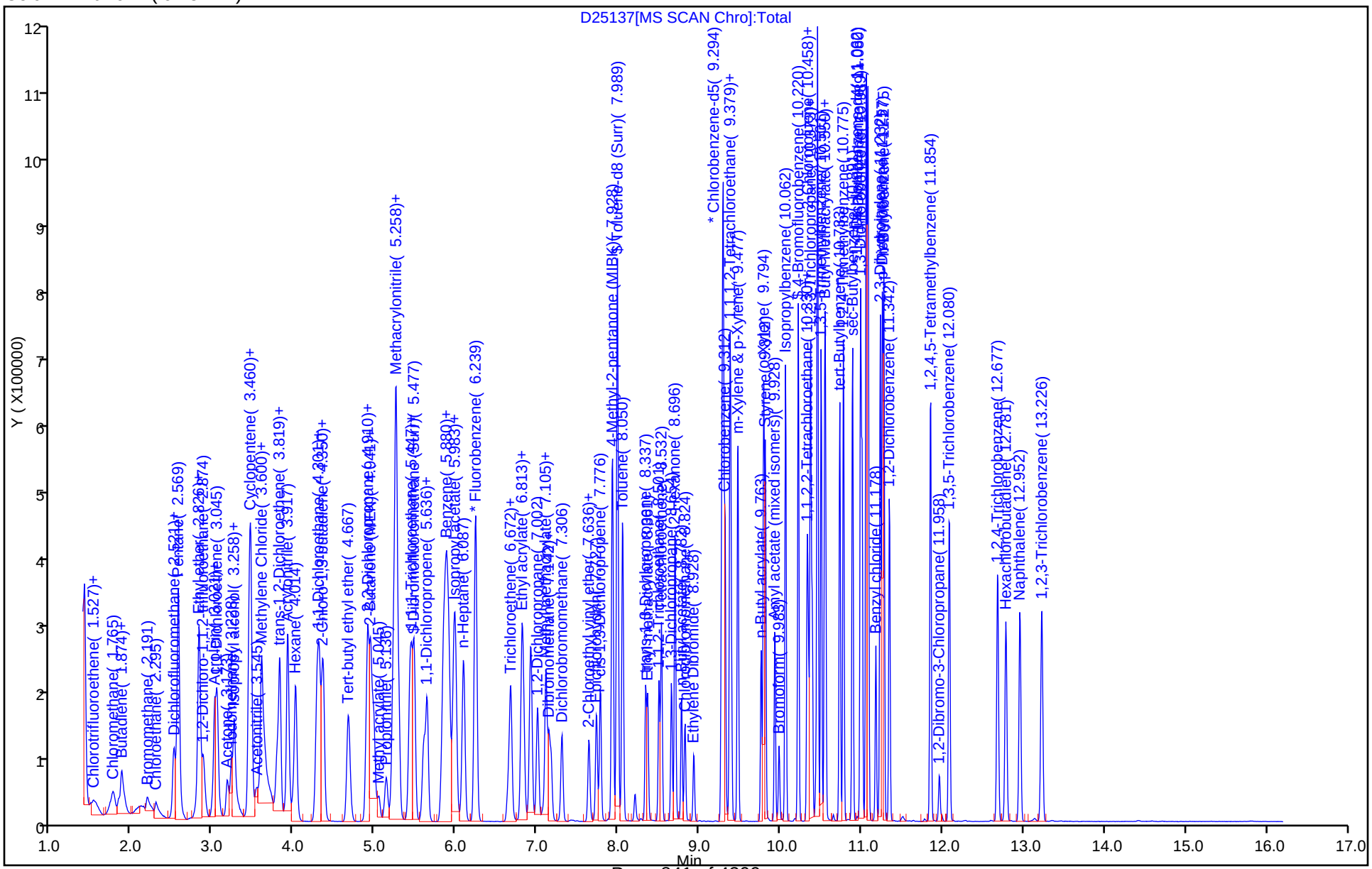
Lims ID: LCSD Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-386008/4

Matrix: Water | Lab File ID: P16396.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 09:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.9		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.1		1.0	0.34
79-00-5	1,1,2-Trichloroethane	20.1		1.0	0.080
75-34-3	1,1-Dichloroethane	19.4		1.0	0.24
75-35-4	1,1-Dichloroethene	21.0		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	16.4		1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	17.9		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		1.0	0.23
95-50-1	1,2-Dichlorobenzene	19.6		1.0	0.22
107-06-2	1,2-Dichloroethane	19.8		1.0	0.25
78-87-5	1,2-Dichloropropane	20.6		1.0	0.18
541-73-1	1,3-Dichlorobenzene	19.6		1.0	0.33
106-46-7	1,4-Dichlorobenzene	19.7		1.0	0.33
123-91-1	1,4-Dioxane	473		50	8.7
78-93-3	2-Butanone (MEK)	97.0		5.0	2.2
591-78-6	2-Hexanone	105		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	108		5.0	0.63
67-64-1	Acetone	95.2		5.0	1.1
71-43-2	Benzene	20.8		1.0	0.090
75-25-2	Bromoform	19.1		1.0	0.18
74-83-9	Bromomethane	15.3		1.0	0.18
75-15-0	Carbon disulfide	21.2		1.0	0.22
56-23-5	Carbon tetrachloride	21.8		1.0	0.33
108-90-7	Chlorobenzene	19.5		1.0	0.24
74-97-5	Chlorobromomethane	19.7		1.0	0.30
124-48-1	Chlorodibromomethane	20.8		1.0	0.22
75-00-3	Chloroethane	13.4		1.0	0.37
67-66-3	Chloroform	20.7		1.0	0.22
74-87-3	Chloromethane	16.4		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	19.9		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	21.0		1.0	0.16
110-82-7	Cyclohexane	16.0		1.0	0.26
75-27-4	Dichlorobromomethane	20.5		1.0	0.15
75-71-8	Dichlorodifluoromethane	15.8		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-386008/4

Matrix: Water | Lab File ID: P16396.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/22/2016 09:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386008 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	19.2		1.0	0.30
106-93-4	Ethylene Dibromide	20.6		1.0	0.19
98-82-8	Isopropylbenzene	20.1		1.0	0.32
79-20-9	Methyl acetate	110		5.0	0.58
1634-04-4	Methyl tert-butyl ether	21.6		1.0	0.13
108-87-2	Methylcyclohexane	14.1		1.0	0.22
75-09-2	Methylene Chloride	22.5		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	19.1		1.0	0.28
95-47-6	o-Xylene	19.7		1.0	0.32
100-42-5	Styrene	21.6		1.0	0.17
127-18-4	Tetrachloroethene	19.9		1.0	0.12
108-88-3	Toluene	19.5		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	20.5		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	20.4		1.0	0.19
79-01-6	Trichloroethene	19.9		1.0	0.22
75-69-4	Trichlorofluoromethane	22.2		1.0	0.15
75-01-4	Vinyl chloride	18.0		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		74-132
460-00-4	4-Bromofluorobenzene	113		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	101		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16396.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Aug-2016 09:22:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0044696-004
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Aug-2016 12:37:21 Calib Date: 18-Aug-2016 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20160818-44608.b\P16298.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: desais Date: 22-Aug-2016 10:10:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.878	0.878	0.000	90	25238	20.0	11.5	
2 Dichlorodifluoromethane	85	0.885	0.885	0.000	99	111896	20.0	15.8	
3 Vinyl chloride	62	1.028	1.028	0.000	97	121442	20.0	18.0	
5 Chloromethane	50	1.035	1.035	0.000	84	156969	20.0	16.4	
4 Butadiene	54	1.035	1.035	0.000	93	100061	20.0	17.7	
6 Bromomethane	94	1.186	1.193	-0.007	97	35663	20.0	15.3	
7 Chloroethane	64	1.250	1.250	0.000	97	38058	20.0	13.4	
8 Pentane	72	1.315	1.315	0.000	97	25788	40.0	31.0	
9 Trichlorofluoromethane	101	1.315	1.315	0.000	66	132079	20.0	22.2	
10 Dichlorofluoromethane	67	1.350	1.350	0.000	99	166813	20.0	25.0	
11 2-Methyl-1,3-butadiene	67	1.472	1.472	0.000	98	143720	20.0	19.8	
12 Ethyl ether	59	1.486	1.486	0.000	95	93428	20.0	20.6	
15 Ethanol	46	1.580	1.587	-0.007	32	25619	800.0	865.0	
13 1,1-Dichloroethene	96	1.587	1.587	0.000	96	68902	20.0	21.0	
14 1,2-Dichloro-1,1,2-trifluo	67	1.587	1.587	0.000	86	98644	20.0	22.1	
16 Carbon disulfide	76	1.601	1.601	0.000	100	259979	20.0	21.2	M
17 1,1,2-Trichloro-1,2,2-trif	101	1.608	1.608	0.000	95	55779	20.0	17.1	
18 Iodomethane	142	1.666	1.666	0.000	99	22916	20.0	8.11	
19 Cyclopentene	67	1.752	1.751	0.001	97	189555	20.0	19.7	
20 Acrolein	56	1.773	1.773	0.000	95	29552	40.0	40.3	
21 3-Chloro-1-propene	76	1.845	1.845	0.000	91	42391	20.0	21.6	
22 Isopropyl alcohol	45	1.888	1.888	0.000	98	69270	200.0	190.2	
23 Methylene Chloride	84	1.909	1.916	-0.007	99	83416	20.0	22.5	
24 Acetone	43	1.945	1.945	0.000	85	137080	100.0	95.2	
25 trans-1,2-Dichloroethene	96	2.002	2.002	0.000	98	68945	20.0	20.5	
26 Methyl acetate	43	2.017	2.017	0.000	100	428647	100.0	109.9	
27 Hexane	57	2.052	2.052	0.000	95	130719	20.0	16.1	
28 Methyl tert-butyl ether	73	2.074	2.074	0.000	98	246704	20.0	21.6	
* 29 TBA-d9 (IS)	65	2.110	2.110	0.000	99	390753	1000.0	1000.0	
30 2-Methyl-2-propanol	59	2.153	2.160	-0.007	99	105856	200.0	224.3	
31 Acetonitrile	41	2.224	2.224	0.000	100	134990	200.0	201.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Isopropyl ether	45	2.310	2.310	0.000	98	282435	20.0	20.7	
34 2-Chloro-1,3-butadiene	88	2.368	2.368	0.000	93	54803	20.0	19.7	
35 1,1-Dichloroethane	63	2.375	2.382	-0.007	99	131425	20.0	19.4	
33 Acrylonitrile	53	2.418	2.418	0.000	94	375170	200.0	202.5	
36 Tert-butyl ethyl ether	59	2.547	2.554	-0.007	88	247852	20.0	20.6	
37 Vinyl acetate	43	2.554	2.554	0.000	100	377316	40.0	44.4	
38 cis-1,2-Dichloroethene	96	2.740	2.740	0.000	95	70861	20.0	19.9	
39 2,2-Dichloropropane	77	2.812	2.812	0.000	98	95747	20.0	21.7	
40 Cyclohexane	56	2.876	2.876	0.000	94	97675	20.0	16.0	
41 Chlorobromomethane	128	2.883	2.883	0.000	93	29366	20.0	19.7	
42 Chloroform	83	2.941	2.941	0.000	98	115270	20.0	20.7	
43 Carbon tetrachloride	117	3.034	3.034	0.000	98	71969	20.0	21.8	
45 Ethyl acetate	43	3.041	3.048	-0.007	99	191048	40.0	42.7	
44 Methyl acrylate	55	3.048	3.048	0.000	58	80545	20.0	19.7	
46 Tetrahydrofuran	42	3.055	3.055	0.000	94	74364	40.0	40.8	
$ 47 Dibromofluoromethane (Surr	113	3.070	3.077	-0.007	96	64474	50.0	51.0	
48 1,1,1-Trichloroethane	97	3.084	3.084	0.000	97	90583	20.0	20.9	
* 49 2-Butanone-d5	46	3.141	3.141	0.000	99	430444	250.0	250.0	
50 2-Butanone (MEK)	72	3.177	3.177	0.000	99	54000	100.0	97.0	
52 1,1-Dichloropropene	75	3.177	3.177	0.000	70	91630	20.0	19.8	
53 Isooctane	57	3.263	3.263	0.000	99	136902	20.0	11.3	
54 n-Heptane	57	3.363	3.356	0.007	94	33136	20.0	11.2	
55 Benzene	78	3.370	3.370	0.000	95	279076	20.0	20.8	
51 Propionitrile	54	3.399	3.399	0.000	96	126642	200.0	192.4	
56 Methacrylonitrile	67	3.413	3.413	0.000	93	365749	200.0	210.5	
$ 58 1,2-Dichloroethane-d4 (Sur	65	3.478	3.478	0.000	96	71623	50.0	44.3	
57 Tert-amyl methyl ether	73	3.485	3.485	0.000	98	209920	20.0	20.8	
59 1,2-Dichloroethane	62	3.535	3.535	0.000	96	93460	20.0	19.8	
60 Isobutyl alcohol	43	3.614	3.614	0.000	94	89838	500.0	479.2	
136 t-Amyl alcohol	59	3.686	3.686	0.000	93	65568	200.0	209.8	
* 61 Fluorobenzene	96	3.714	3.721	-0.007	98	569197	50.0	50.0	
62 Isopropyl acetate	43	3.786	3.786	0.000	98	165043	20.0	20.9	
63 Methylcyclohexane	83	3.850	3.850	0.000	96	75251	20.0	14.1	
64 Trichloroethene	130	3.865	3.865	0.000	95	58169	20.0	19.9	
137 2-ethoxy-2-methyl butane	59	4.115	4.115	0.000	96	173510	20.0	20.9	
65 Dibromomethane	93	4.237	4.237	0.000	96	40739	20.0	20.3	
66 n-Butanol	56	4.251	4.251	0.000	89	54041	500.0	496.0	
67 1,2-Dichloropropane	63	4.337	4.337	0.000	89	72726	20.0	20.6	
68 Ethyl acrylate	55	4.409	4.409	0.000	98	105574	20.0	20.4	
69 Dichlorobromomethane	83	4.416	4.416	0.000	97	83646	20.0	20.5	
70 Methyl methacrylate	100	4.610	4.610	0.000	92	41715	40.0	44.7	
* 72 1,4-Dioxane-d8	96	4.610	4.610	0.000	82	31637	1000.0	1000.0	
71 1,4-Dioxane	88	4.645	4.645	0.000	90	18680	400.0	473.5	
73 n-Propyl acetate	43	4.767	4.774	-0.007	99	121553	20.0	20.6	
74 2-Chloroethyl vinyl ether	63	5.032	5.032	0.000	98	53068	20.0	21.1	
75 cis-1,3-Dichloropropene	75	5.068	5.068	0.000	94	107659	20.0	21.0	
$ 76 Toluene-d8 (Surr)	98	5.269	5.269	0.000	99	300557	50.0	50.6	
77 Toluene	91	5.319	5.319	0.000	92	271096	20.0	19.5	
78 Epichlorohydrin	57	5.347	5.355	-0.007	99	174594	400.0	453.1	
79 2-Nitropropane	41	5.584	5.577	0.007	98	35397	40.0	42.0	
80 Tetrachloroethene	166	5.756	5.748	0.008	97	52620	20.0	19.9	
81 4-Methyl-2-pentanone (MIBK	43	5.791	5.799	-0.008	98	423053	100.0	108.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
82 trans-1,3-Dichloropropene	75	5.820	5.827	-0.007	97	96173	20.0	20.4	
83 1,1,2-Trichloroethane	83	5.999	5.999	0.000	95	51673	20.0	20.1	
84 Ethyl methacrylate	69	6.085	6.085	0.000	90	90781	20.0	20.6	
85 Chlorodibromomethane	129	6.200	6.200	0.000	98	57942	20.0	20.8	
86 1,3-Dichloropropane	76	6.322	6.322	0.000	94	106087	20.0	20.6	
87 Ethylene Dibromide	107	6.450	6.450	0.000	99	57899	20.0	20.6	
88 n-Butyl acetate	43	6.794	6.794	0.000	99	127099	20.0	20.6	
89 2-Hexanone	43	6.859	6.859	0.000	98	293951	100.0	105.4	
* 90 Chlorobenzene-d5	117	7.145	7.145	0.000	88	390241	50.0	50.0	
91 Chlorobenzene	112	7.167	7.167	0.000	92	158888	20.0	19.5	
92 Ethylbenzene	106	7.253	7.253	0.000	99	80614	20.0	19.2	
93 1,1,1,2-Tetrachloroethane	131	7.274	7.281	-0.007	95	51709	20.0	20.6	
94 m-Xylene & p-Xylene	106	7.468	7.468	0.000	97	103297	20.0	19.1	
95 o-Xylene	106	8.055	8.062	-0.007	93	98727	20.0	19.7	
96 Bromoform	173	8.127	8.127	0.000	93	34425	20.0	19.1	
97 Styrene	104	8.141	8.141	0.000	96	173554	20.0	21.6	
98 n-Butyl acrylate	73	8.470	8.470	0.000	97	53507	20.0	20.8	
99 Isopropylbenzene	105	8.549	8.549	0.000	95	250684	20.0	20.1	
100 Amyl acetate (mixed isomer	43	8.886	8.886	0.000	89	151058	20.0	21.5	
$ 101 4-Bromofluorobenzene	174	8.922	8.922	0.000	87	159084	50.0	56.5	
102 Bromobenzene	156	9.036	9.036	0.000	97	64658	20.0	20.8	
103 N-Propylbenzene	91	9.187	9.180	0.007	98	298669	20.0	19.8	
104 1,1,2,2-Tetrachloroethane	83	9.330	9.330	0.000	98	79802	20.0	20.6	
105 2-Chlorotoluene	91	9.359	9.359	0.000	97	207072	20.0	19.2	
106 4-Ethyltoluene	105	9.373	9.373	0.000	98	251079	20.0	19.9	
107 1,2,3-Trichloropropane	110	9.466	9.466	0.000	98	21442	20.0	20.2	
108 1,3,5-Trimethylbenzene	105	9.531	9.531	0.000	92	201927	20.0	19.7	
109 trans-1,4-Dichloro-2-buten	53	9.588	9.588	0.000	88	23078	20.0	19.6	
110 4-Chlorotoluene	91	9.624	9.624	0.000	99	192863	20.0	19.9	
111 tert-Butylbenzene	119	10.003	10.003	0.000	94	160165	20.0	19.3	
112 Butyl Methacrylate	87	10.132	10.132	0.000	61	80083	20.0	22.0	
118 1,2,4-Trimethylbenzene	105	10.132	10.132	0.000	95	212216	20.0	20.0	
113 sec-Butylbenzene	105	10.297	10.290	0.007	99	246379	20.0	19.7	
114 1,3-Dichlorobenzene	146	10.555	10.555	0.000	95	117801	20.0	19.6	
115 4-Isopropyltoluene	119	10.569	10.569	0.000	97	205800	20.0	19.4	
* 116 1,4-Dichlorobenzene-d4	152	10.691	10.691	0.000	96	190665	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.712	10.712	0.000	94	121741	20.0	19.7	
119 2,3-Dihydroindene	117	10.999	10.999	0.000	94	219834	20.0	20.0	
120 Benzyl chloride	91	11.164	11.164	0.000	97	174153	20.0	23.0	
121 p-Diethylbenzene	119	11.178	11.185	-0.007	91	116697	20.0	19.1	
122 n-Butylbenzene	91	11.257	11.257	0.000	98	195518	20.0	19.1	
123 1,2-Dichlorobenzene	146	11.364	11.357	0.007	94	114068	20.0	19.6	
124 1,2,4,5-Tetramethylbenzene	119	12.253	12.253	0.001	97	192254	20.0	20.0	
125 1,2-Dibromo-3-Chloropropan	157	12.396	12.396	0.000	95	14274	20.0	21.2	
126 1,3,5-Trichlorobenzene	180	12.439	12.439	0.000	96	76976	20.0	18.2	
127 1,2,4-Trichlorobenzene	180	13.105	13.105	0.000	94	72080	20.0	17.9	
128 Hexachlorobutadiene	225	13.119	13.119	0.000	92	27938	20.0	19.5	
129 Naphthalene	128	13.399	13.399	0.000	99	182764	20.0	19.3	
130 1,2,3-Trichlorobenzene	180	13.571	13.571	0.001	95	63611	20.0	16.4	
S 131 1,2-Dichloroethene, Total	100				0		40.0	40.4	
S 134 1,3-Dichloropropene, Total	100				0		40.0	41.4	
S 132 Xylenes, Total	100				0		40.0	38.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 133 Total BTEX	1				0		100.0	98.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00167	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	20.00	Units: uL	
ACROLEIN W_00055	Amount Added:	4.00	Units: uL	
8260ISNEW_00083	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00135	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Aug-2016 12:37:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16396.D

Injection Date: 22-Aug-2016 09:22:30 Instrument ID: CVOAMS13 Operator ID:

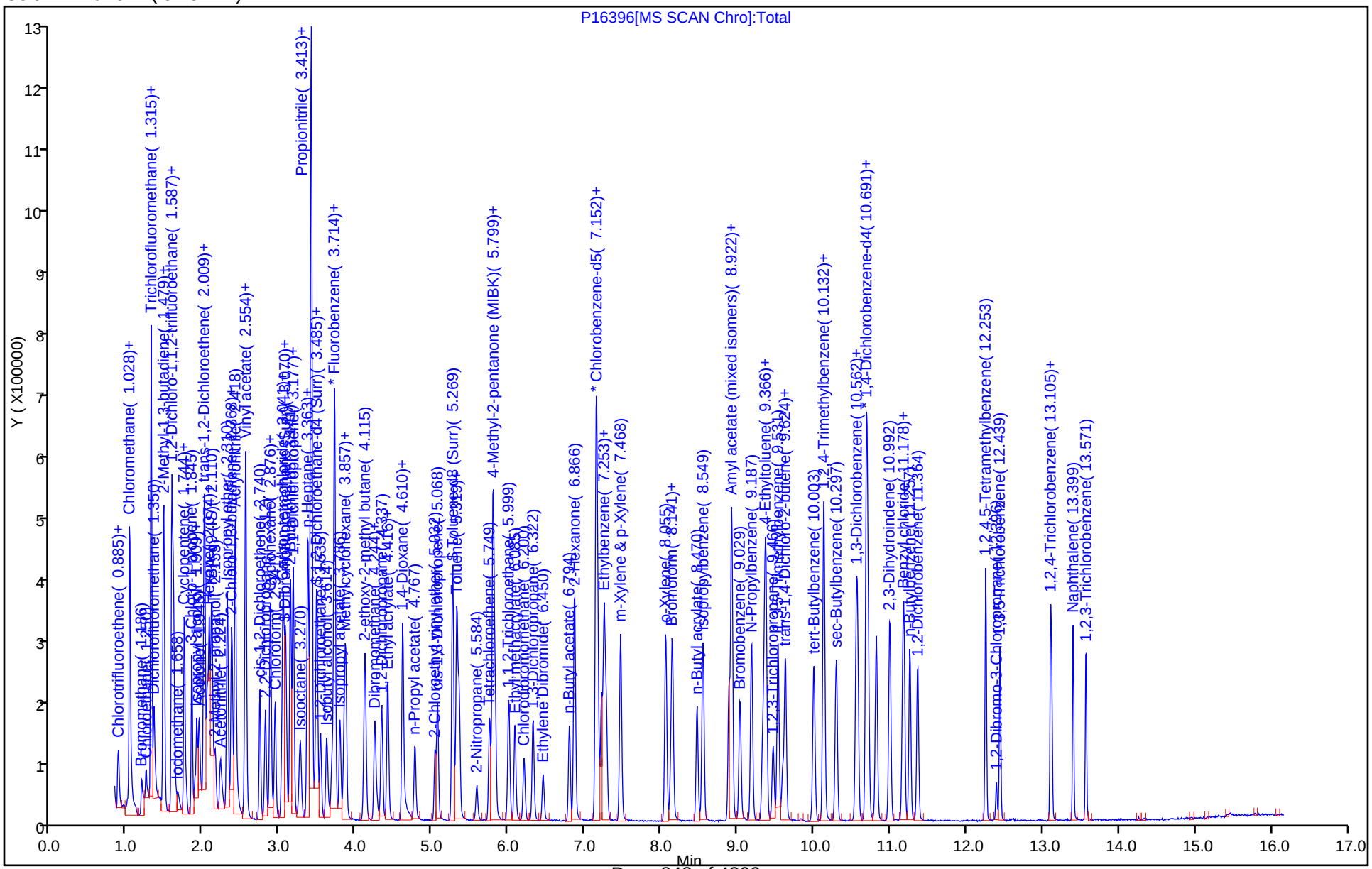
Lims ID: LCSD Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

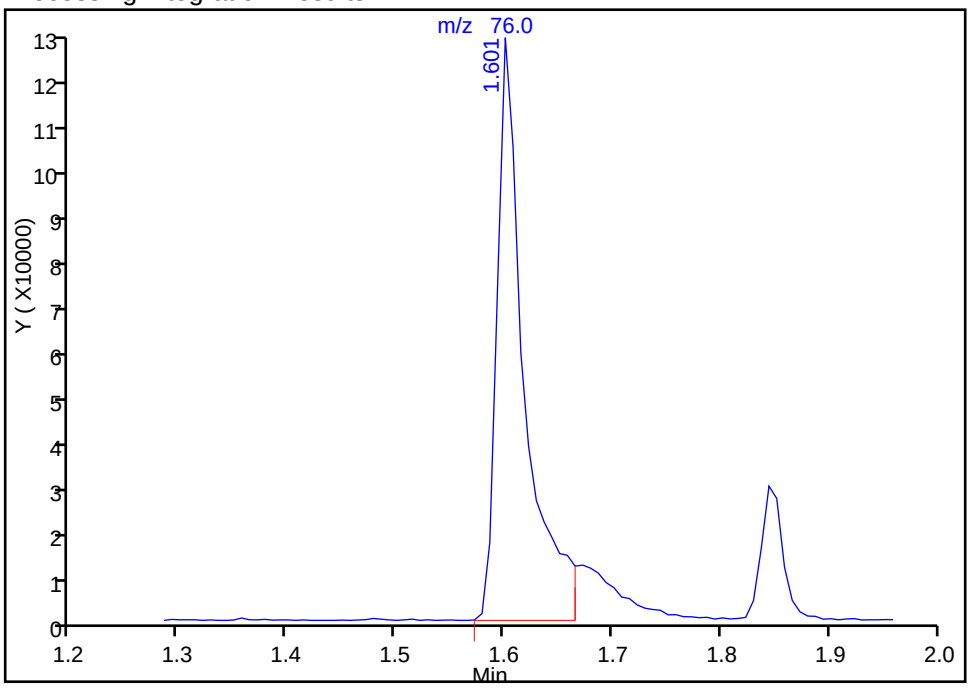
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20160822-44696.b\P16396.D
Injection Date: 22-Aug-2016 09:22:30 Instrument ID: CVOAMS13
Lims ID: LCSD
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 Carbon disulfide, CAS: 75-15-0

Signal: 1

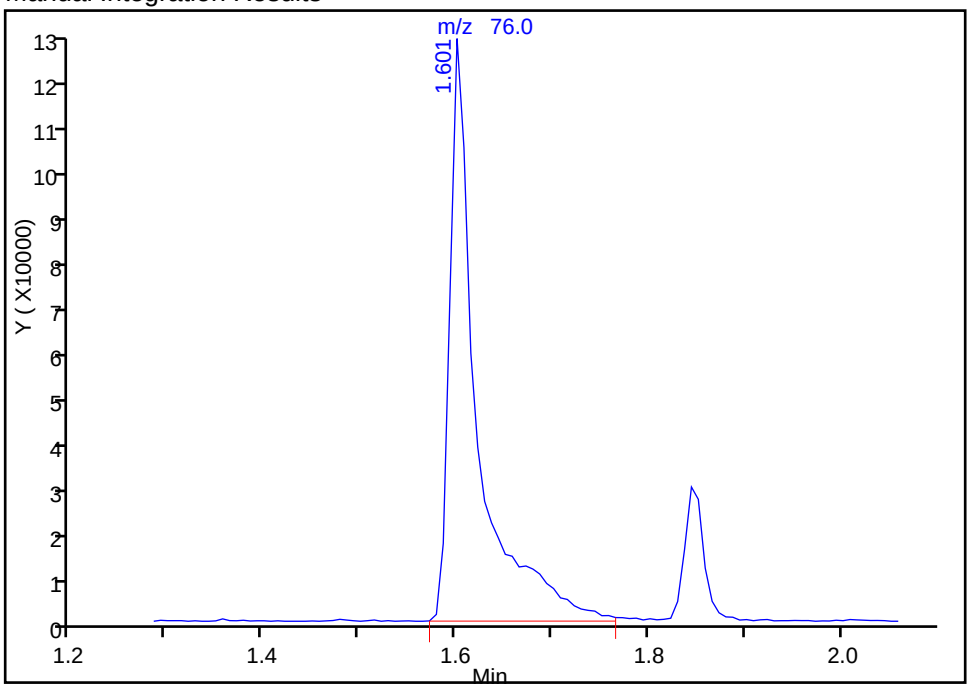
Processing Integration Results

RT: 1.60
Area: 228616
Amount: 18.603675
Amount Units: ug/l



Manual Integration Results

RT: 1.60
Area: 259979
Amount: 21.155846
Amount Units: ug/l



Reviewer: delpolitov, 22-Aug-2016 12:37:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-386262/5

Matrix: Solid | Lab File ID: D25191.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/23/2016 12:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386262 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	16.9		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16.1		1.0	0.44
79-00-5	1,1,2-Trichloroethane	18.5		1.0	0.28
75-34-3	1,1-Dichloroethane	19.0		1.0	0.34
75-35-4	1,1-Dichloroethene	16.5		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	16.1		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	17.0		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		1.0	0.47
95-50-1	1,2-Dichlorobenzene	17.4		1.0	0.14
107-06-2	1,2-Dichloroethane	19.3		1.0	0.11
78-87-5	1,2-Dichloropropane	20.1		1.0	0.17
541-73-1	1,3-Dichlorobenzene	17.5		1.0	0.12
106-46-7	1,4-Dichlorobenzene	17.6		1.0	0.13
123-91-1	1,4-Dioxane	410		20	6.4
78-93-3	2-Butanone (MEK)	87.7		5.0	0.77
591-78-6	2-Hexanone	97.6		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	96.2		5.0	2.2
67-64-1	Acetone	89.9		5.0	1.1
75-05-8	Acetonitrile	195		10	4.1
107-02-8	Acrolein	269		100	16
71-43-2	Benzene	17.6		1.0	0.20
75-25-2	Bromoform	16.3		1.0	0.13
74-83-9	Bromomethane	17.0		1.0	0.32
75-15-0	Carbon disulfide	16.2		1.0	0.43
56-23-5	Carbon tetrachloride	15.8		1.0	0.43
108-90-7	Chlorobenzene	17.8		1.0	0.14
74-97-5	Chlorobromomethane	17.4		1.0	0.17
124-48-1	Chlorodibromomethane	17.3		1.0	0.15
75-00-3	Chloroethane	16.8		1.0	0.35
67-66-3	Chloroform	18.2		1.0	0.21
74-87-3	Chloromethane	18.6		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	17.7		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	20.5		1.0	0.15
110-82-7	Cyclohexane	17.4		1.0	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-386262/5

Matrix: Solid | Lab File ID: D25191.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/23/2016 12:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 386262 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	17.9		1.0	0.38
75-71-8	Dichlorodifluoromethane	14.4		1.0	0.32
100-41-4	Ethylbenzene	17.3		1.0	0.18
106-93-4	Ethylene Dibromide	18.5		1.0	0.12
98-82-8	Isopropylbenzene	17.6		1.0	0.17
79-20-9	Methyl acetate	109		5.0	0.90
1634-04-4	Methyl tert-butyl ether	20.7		1.0	0.17
108-87-2	Methylcyclohexane	18.1		1.0	0.50
75-09-2	Methylene Chloride	17.9		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	17.4		1.0	0.11
95-47-6	o-Xylene	18.1		1.0	0.16
100-42-5	Styrene	18.7		1.0	0.15
75-65-0	TBA	179		10	3.5
127-18-4	Tetrachloroethene	14.4		1.0	0.28
108-88-3	Toluene	16.8		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	16.6		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	20.0		1.0	0.10
79-01-6	Trichloroethene	16.7		1.0	0.26
75-69-4	Trichlorofluoromethane	14.4		1.0	0.34
75-01-4	Vinyl chloride	15.7		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		78-135
460-00-4	4-Bromofluorobenzene	84		67-126
1868-53-7	Dibromofluoromethane (Surr)	93		61-149
2037-26-5	Toluene-d8 (Surr)	94		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25191.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 23-Aug-2016 12:35:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0044756-005
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Aug-2016 10:43:19 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: baronm Date: 24-Aug-2016 10:44:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.509	1.515	-0.006	60	25788	20.0	16.2	
2 Dichlorodifluoromethane	85	1.533	1.533	0.000	79	56411	20.0	14.4	
3 Chloromethane	50	1.771	1.759	0.012	99	69576	20.0	18.6	
4 Vinyl chloride	62	1.838	1.832	0.006	97	42766	20.0	15.7	
5 Butadiene	54	1.875	1.868	0.007	96	30050	20.0	18.5	
6 Bromomethane	94	2.186	2.185	0.001	97	47242	20.0	17.0	
7 Chloroethane	64	2.295	2.289	0.006	99	28867	20.0	16.8	
8 Dichlorofluoromethane	67	2.515	2.509	0.006	96	77461	20.0	17.2	
9 Trichlorofluoromethane	101	2.515	2.515	0.000	75	55070	20.0	14.4	
10 Pentane	72	2.570	2.570	0.000	97	18279	40.0	34.8	
11 Ethyl ether	59	2.813	2.807	0.006	91	52141	20.0	20.4	
12 Ethanol	46	2.820	2.819	0.001	74	14672	800.0	847.9	
13 2-Methyl-1,3-butadiene	53	2.826	2.826	0.000	98	48363	20.0	17.4	
14 1,2-Dichloro-1,1,2-trifluo	117	2.874	2.868	0.006	88	33931	20.0	16.7	
15 1,1,2-Trichloro-1,2,2-trif	101	3.002	3.008	-0.006	44	28438	20.0	16.1	
16 Acrolein	56	3.015	3.015	0.000	96	113123	300.0	269.1	
17 1,1-Dichloroethene	96	3.051	3.045	0.006	94	45069	20.0	16.5	
18 Acetone	43	3.167	3.161	0.006	85	90355	100.0	89.9	
19 Iodomethane	142	3.222	3.222	0.000	99	92771	20.0	16.0	
20 Carbon disulfide	76	3.258	3.252	0.006	100	164405	20.0	16.2	
21 Isopropyl alcohol	45	3.295	3.295	0.000	98	45616	200.0	197.4	
22 3-Chloro-1-propene	76	3.435	3.435	0.000	90	35665	20.0	16.0	
23 Cyclopentene	67	3.460	3.453	0.007	94	131831	20.0	17.9	
24 Methyl acetate	43	3.460	3.460	0.000	99	247286	100.0	109.0	
25 Acetonitrile	41	3.527	3.527	0.000	98	78998	200.0	195.0	
26 Methylene Chloride	84	3.594	3.594	0.000	98	64571	20.0	17.9	
* 27 TBA-d9 (IS)	65	3.612	3.606	0.006	40	244791	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.697	3.685	0.012	99	63310	200.0	178.7	
29 Methyl tert-butyl ether	73	3.789	3.789	0.000	97	145003	20.0	20.7	
30 trans-1,2-Dichloroethene	96	3.819	3.819	0.000	99	56943	20.0	16.6	
31 Acrylonitrile	53	3.911	3.911	0.000	94	228334	200.0	208.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	4.014	4.014	0.000	95	82817	20.0	18.6	
33 Isopropyl ether	45	4.277	4.276	0.001	97	215270	20.0	21.8	
34 1,1-Dichloroethane	63	4.307	4.301	0.006	99	115929	20.0	19.0	
35 Vinyl acetate	86	4.338	4.331	0.007	100	18507	40.0	38.0	
36 2-Chloro-1,3-butadiene	88	4.356	4.356	0.000	93	47066	20.0	16.8	
37 Tert-butyl ethyl ether	59	4.667	4.661	0.006	88	173497	20.0	21.2	
* 38 2-Butanone-d5	46	4.898	4.898	0.000	0	264612	250.0	250.0	
39 2,2-Dichloropropane	79	4.911	4.904	0.007	95	23111	20.0	17.5	
40 cis-1,2-Dichloroethene	96	4.941	4.935	0.006	95	65526	20.0	17.7	
41 2-Butanone (MEK)	72	4.965	4.965	0.000	97	32976	100.0	87.7	
42 Ethyl acetate	70	4.978	4.978	0.000	95	11612	40.0	36.2	
43 Methyl acrylate	55	5.039	5.039	0.000	99	47366	20.0	20.7	
44 Propionitrile	54	5.124	5.130	-0.006	98	85061	200.0	213.3	
45 Tetrahydrofuran	72	5.209	5.209	0.000	92	14886	40.0	34.6	
46 Chlorobromomethane	128	5.215	5.215	0.000	95	31990	20.0	17.4	
47 Methacrylonitrile	67	5.252	5.252	0.000	94	225372	200.0	212.1	
48 Chloroform	83	5.289	5.288	0.001	98	106617	20.0	18.2	
49 Cyclohexane	56	5.429	5.429	0.000	94	88535	20.0	17.4	
50 1,1,1-Trichloroethane	97	5.453	5.453	0.000	99	78001	20.0	16.9	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.477	0.001	97	127754	50.0	46.4	
52 Carbon tetrachloride	117	5.593	5.593	0.000	96	67427	20.0	15.8	
53 1,1-Dichloropropene	75	5.636	5.636	0.000	96	73420	20.0	17.2	
54 Isobutyl alcohol	43	5.831	5.831	0.000	91	112179	500.0	531.1	
55 Benzene	78	5.874	5.874	0.000	95	219478	20.0	17.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.898	0.000	99	135076	50.0	48.7	
57 Tert-amyl methyl ether	73	5.971	5.971	0.000	94	199737	20.0	20.8	
58 Isopropyl acetate	43	5.971	5.971	0.000	97	177405	20.0	20.2	
59 1,2-Dichloroethane	62	5.990	5.996	-0.006	97	79234	20.0	19.3	
60 n-Heptane	57	6.087	6.087	0.000	96	45831	20.0	18.5	
* 61 Fluorobenzene	96	6.234	6.233	0.001	98	460821	50.0	50.0	
62 n-Butanol	56	6.636	6.636	0.000	91	39782	500.0	498.3	
63 Trichloroethene	95	6.666	6.666	0.000	98	52943	20.0	16.7	
64 Methylcyclohexane	83	6.813	6.813	0.000	95	90342	20.0	18.1	
65 Ethyl acrylate	73	6.837	6.831	0.006	98	4205	20.0	20.4	
66 1,2-Dichloropropane	63	7.002	6.995	0.007	90	60060	20.0	20.1	
* 67 1,4-Dioxane-d8	96	7.063	7.063	0.000	0	22521	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.105	0.000	93	25981	40.0	37.1	
69 1,4-Dioxane	88	7.124	7.130	-0.006	52	13781	400.0	410.0	
70 Dibromomethane	93	7.136	7.136	0.000	96	35677	20.0	18.5	
71 n-Propyl acetate	43	7.166	7.166	0.000	99	82964	20.0	21.8	
72 Dichlorobromomethane	83	7.300	7.300	0.000	98	69381	20.0	17.9	
73 2-Nitropropane	41	7.630	7.629	0.001	82	21873	40.0	36.3	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	86	30402	20.0	21.7	
75 Epichlorohydrin	57	7.727	7.727	0.000	100	109559	400.0	375.6	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	94	85756	20.0	20.5	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	305862	100.0	96.2	
$ 78 Toluene-d8 (Surr)	98	7.983	7.983	0.000	99	444153	50.0	47.0	
79 Toluene	91	8.050	8.050	0.000	94	219490	20.0	16.8	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	98	71054	20.0	20.0	
81 Ethyl methacrylate	69	8.361	8.361	0.000	92	60979	20.0	19.6	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	39677	20.0	18.5	
83 Tetrachloroethene	166	8.532	8.532	0.000	96	53630	20.0	14.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.654	8.654	0.000	95	79897	20.0	20.7	
85 2-Hexanone	43	8.696	8.696	0.000	98	197945	100.0	97.6	
86 n-Butyl acetate	73	8.776	8.776	0.000	98	13352	20.0	20.2	
87 Chlorodibromomethane	129	8.818	8.818	0.000	98	52109	20.0	17.3	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	46292	20.0	18.5	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	347112	50.0	50.0	
90 Chlorobenzene	112	9.312	9.312	0.000	94	142501	20.0	17.8	
91 Ethylbenzene	106	9.379	9.379	0.000	99	74691	20.0	17.3	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	54508	20.0	17.1	
93 m-Xylene & p-Xylene	106	9.471	9.471	0.000	98	92595	20.0	17.4	
94 n-Butyl acrylate	73	9.763	9.757	0.006	96	33812	20.0	18.6	
95 o-Xylene	106	9.794	9.794	0.000	93	96606	20.0	18.1	
96 Styrene	104	9.812	9.812	0.000	93	153380	20.0	18.7	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	89	100749	20.0	20.2	
98 Bromoform	173	9.983	9.983	0.000	97	33618	20.0	16.3	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	244200	20.0	17.6	
$ 100 4-Bromofluorobenzene	174	10.221	10.220	0.001	92	140166	50.0	42.1	
101 Bromobenzene	156	10.330	10.330	0.000	97	62984	20.0	15.4	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	65142	20.0	18.3	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	298966	20.0	16.5	
104 1,2,3-Trichloropropane	110	10.391	10.385	0.006	97	19231	20.0	18.2	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.391	0.000	80	19432	20.0	19.0	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	247813	20.0	16.8	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	207593	20.0	16.9	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	211019	20.0	16.3	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	183360	20.0	17.5	
110 Butyl Methacrylate	87	10.556	10.556	0.000	96	67881	20.0	17.9	
111 tert-Butylbenzene	119	10.733	10.733	0.000	94	164553	20.0	16.9	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	220572	20.0	18.8	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	262335	20.0	19.0	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	229283	20.0	18.1	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	95	121187	20.0	17.5	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	192178	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	95	123066	20.0	17.6	
118 Benzyl chloride	126	11.178	11.178	0.000	99	19455	20.0	17.1	
119 2,3-Dihydroindene	117	11.233	11.232	0.001	94	242902	20.0	21.5	
120 p-Diethylbenzene	119	11.257	11.257	0.000	93	142789	20.0	18.6	
121 n-Butylbenzene	92	11.275	11.275	0.000	99	122538	20.0	18.3	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	121588	20.0	17.4	
123 1,2,4,5-Tetramethylbenzene	119	11.848	11.848	0.000	97	222883	20.0	19.0	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.964	0.000	95	13631	20.0	17.6	
125 1,3,5-Trichlorobenzene	180	12.080	12.086	-0.006	97	105285	20.0	17.5	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	93	99979	20.0	17.0	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	96	50389	20.0	16.2	
128 Naphthalene	128	12.952	12.952	0.000	99	210611	20.0	18.2	
129 1,2,3-Trichlorobenzene	180	13.220	13.220	0.000	95	94632	20.0	16.1	
S 130 1,2-Dichloroethene, Total	100				0		40.0	34.3	
S 131 1,3-Dichloropropene, Total	100				0		40.0	40.5	
S 132 Xylenes, Total	100				0		40.0	35.5	
S 133 Total BTEX	1				0		100.0	87.2	

Reagents:

8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00055	Amount Added:	3.00	Units: uL	
GASES Li_00167	Amount Added:	2.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Aug-2016 10:44:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160823-44756.b\D25191.D

Injection Date: 23-Aug-2016 12:35:30 Instrument ID: CVOAMS4 Operator ID:

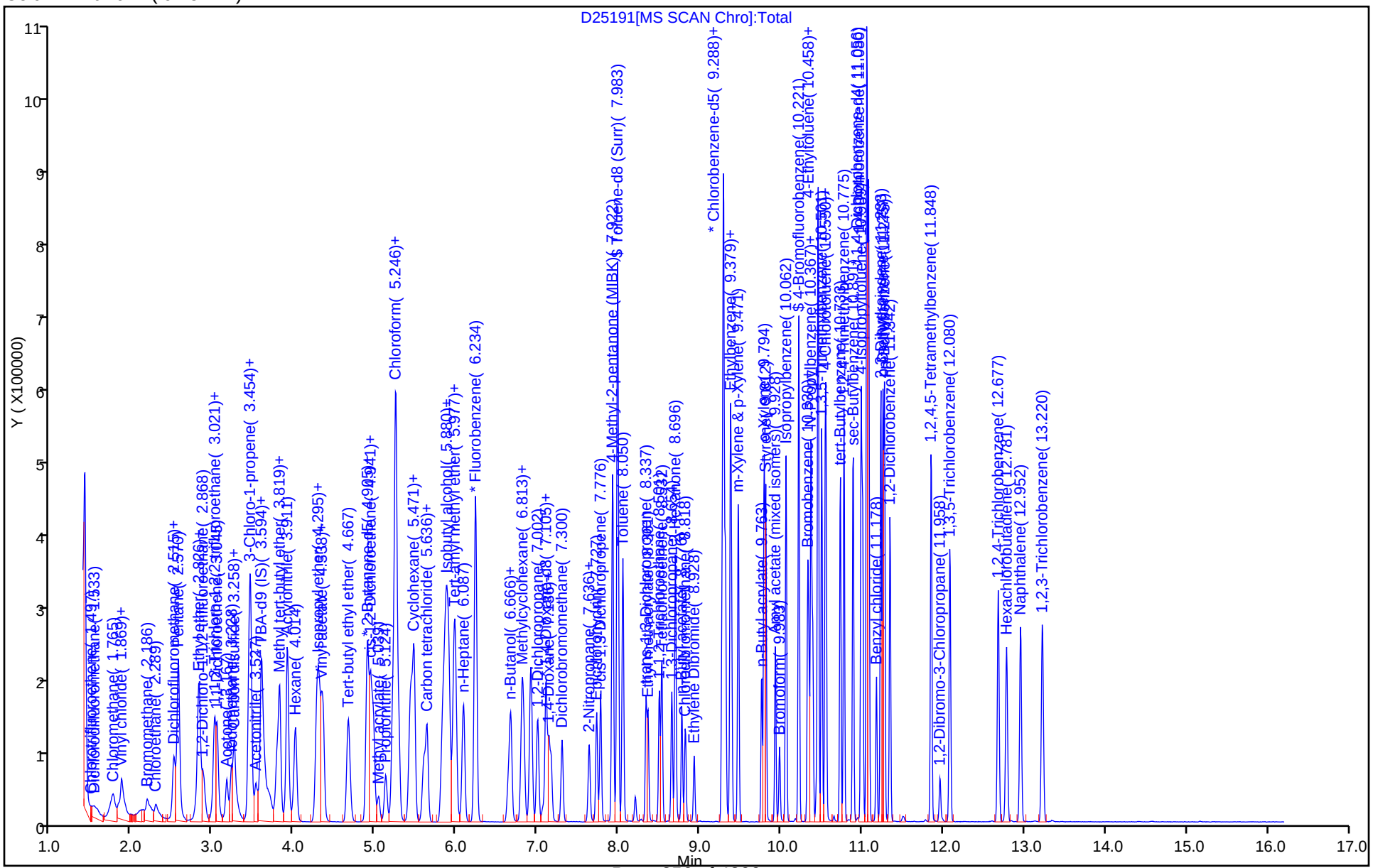
Lims ID: LCSD Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260S_4 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MS | Lab Sample ID: 460-118857-5 MS

Matrix: Solid | Lab File ID: D25173.D

Analysis Method: 8260C | Date Collected: 08/18/2016 11:55

Sample wt/vol: 5.809(g) | Date Analyzed: 08/22/2016 15:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.0		0.91	0.34
79-34-5	1,1,2,2-Tetrachloroethane	8.21		0.91	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.5		0.91	0.40
79-00-5	1,1,2-Trichloroethane	15.9		0.91	0.25
75-34-3	1,1-Dichloroethane	18.3		0.91	0.31
75-35-4	1,1-Dichloroethene	15.5		0.91	0.37
87-61-6	1,2,3-Trichlorobenzene	5.83		0.91	0.10
120-82-1	1,2,4-Trichlorobenzene	4.78		0.91	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	15.3		0.91	0.43
95-50-1	1,2-Dichlorobenzene	10.7		0.91	0.13
107-06-2	1,2-Dichloroethane	14.6		0.91	0.10
78-87-5	1,2-Dichloropropane	18.4		0.91	0.15
541-73-1	1,3-Dichlorobenzene	8.39		0.91	0.11
106-46-7	1,4-Dichlorobenzene	7.21		0.91	0.12
123-91-1	1,4-Dioxane	498		18	5.8
78-93-3	2-Butanone (MEK)	82.3		4.5	0.70
591-78-6	2-Hexanone	80.3		4.5	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	88.2		4.5	2.0
67-64-1	Acetone	120		4.5	0.96
75-05-8	Acetonitrile	163		9.1	3.7
107-02-8	Acrolein	150		91	14
71-43-2	Benzene	16.8		0.91	0.18
75-25-2	Bromoform	11.4		0.91	0.12
74-83-9	Bromomethane	16.8		0.91	0.29
75-15-0	Carbon disulfide	13.1		0.91	0.39
56-23-5	Carbon tetrachloride	17.0		0.91	0.39
108-90-7	Chlorobenzene	11.6		0.91	0.13
74-97-5	Chlorobromomethane	13.7		0.91	0.15
124-48-1	Chlorodibromomethane	13.7		0.91	0.14
75-00-3	Chloroethane	16.4		0.91	0.32
67-66-3	Chloroform	16.5		0.91	0.19
74-87-3	Chloromethane	19.5		0.91	0.34
156-59-2	cis-1,2-Dichloroethene	13.3		0.91	0.20
10061-01-5	cis-1,3-Dichloropropene	12.6		0.91	0.14
110-82-7	Cyclohexane	18.7		0.91	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MS | Lab Sample ID: 460-118857-5 MS

Matrix: Solid | Lab File ID: D25173.D

Analysis Method: 8260C | Date Collected: 08/18/2016 11:55

Sample wt/vol: 5.809(g) | Date Analyzed: 08/22/2016 15:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	14.7		0.91	0.34
75-71-8	Dichlorodifluoromethane	18.0		0.91	0.29
100-41-4	Ethylbenzene	13.4		0.91	0.16
106-93-4	Ethylene Dibromide	11.5		0.91	0.11
98-82-8	Isopropylbenzene	15.5		0.91	0.15
79-20-9	Methyl acetate	82.0		4.5	0.82
1634-04-4	Methyl tert-butyl ether	19.2		0.91	0.15
108-87-2	Methylcyclohexane	17.4		0.91	0.45
75-09-2	Methylene Chloride	15.9		0.91	0.29
179601-23-1	m-Xylene & p-Xylene	12.9		0.91	0.10
95-47-6	o-Xylene	15.8		0.91	0.15
100-42-5	Styrene	10.6		0.91	0.14
75-65-0	TBA	182		9.1	3.2
127-18-4	Tetrachloroethene	11.4		0.91	0.25
108-88-3	Toluene	13.9		0.91	0.17
156-60-5	trans-1,2-Dichloroethene	12.2		0.91	0.35
10061-02-6	trans-1,3-Dichloropropene	9.52		0.91	0.091
79-01-6	Trichloroethene	17.8		0.91	0.24
75-69-4	Trichlorofluoromethane	16.6		0.91	0.31
75-01-4	Vinyl chloride	17.0		0.91	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		78-135
460-00-4	4-Bromofluorobenzene	94		67-126
1868-53-7	Dibromofluoromethane (Surr)	94		61-149
2037-26-5	Toluene-d8 (Surr)	100		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25173.D
Lims ID: 460-118857-B-5-B MS
Client ID: SB-8 (2-4) 08182016
Sample Type: MS
Inject. Date: 22-Aug-2016 15:28:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-5-B MS
Misc. Info.: 460-0044710-014
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:37:40 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: desais Date: 23-Aug-2016 12:10:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.503	1.509	-0.006	71	33576	20.0	20.0	M
2 Dichlorodifluoromethane	85	1.539	1.539	0.000	85	82382	20.0	19.8	
3 Chloromethane	50	1.753	1.771	-0.018	100	84903	20.0	21.5	
4 Vinyl chloride	62	1.826	1.838	-0.012	97	54163	20.0	18.7	
5 Butadiene	54	1.862	1.881	-0.019	97	31774	20.0	18.4	
6 Bromomethane	94	2.186	2.198	-0.012	97	54553	20.0	18.6	
7 Chloroethane	64	2.289	2.301	-0.012	99	33003	20.0	18.1	
8 Dichlorofluoromethane	67	2.509	2.521	-0.012	95	90684	20.0	19.0	
9 Trichlorofluoromethane	101	2.509	2.527	-0.018	82	74415	20.0	18.3	
10 Pentane	72	2.564	2.576	-0.012	96	17199	40.0	30.9	
11 Ethyl ether	59	2.807	2.819	-0.012	91	56205	20.0	20.7	
12 Ethanol	46	2.801	2.819	-0.018	87	15398	800.0	872.6	
13 2-Methyl-1,3-butadiene	53	2.826	2.838	-0.012	97	55614	20.0	18.9	
14 1,2-Dichloro-1,1,2-trifluo	117	2.874	2.880	-0.006	96	45373	20.0	21.1	
15 1,1,2-Trichloro-1,2,2-trif	101	3.002	3.015	-0.013	94	36162	20.0	19.3	
16 Acrolein	56	3.015	3.021	-0.006	96	70798	300.0	165.3	
17 1,1-Dichloroethene	96	3.045	3.051	-0.006	95	49650	20.0	17.1	
18 Acetone	43	3.167	3.173	-0.006	86	132395	100.0	132.3	
19 Iodomethane	142	3.216	3.228	-0.012	99	94774	20.0	15.4	
20 Carbon disulfide	76	3.252	3.264	-0.012	99	155717	20.0	14.5	
21 Isopropyl alcohol	45	3.307	3.307	0.000	99	49577	200.0	210.7	
22 3-Chloro-1-propene	76	3.429	3.441	-0.012	88	36449	20.0	15.4	
23 Cyclopentene	67	3.454	3.460	-0.006	91	161144	20.0	20.6	
24 Methyl acetate	43	3.460	3.466	-0.006	100	217431	100.0	90.4	
25 Acetonitrile	41	3.539	3.533	0.006	99	74132	200.0	179.6	
26 Methylene Chloride	84	3.588	3.600	-0.012	96	67163	20.0	17.5	
* 27 TBA-d9 (IS)	65	3.612	3.612	0.000	40	249356	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.697	3.703	-0.006	98	72658	200.0	201.3	
29 Methyl tert-butyl ether	73	3.789	3.795	-0.006	98	157710	20.0	21.2	
30 trans-1,2-Dichloroethene	96	3.813	3.825	-0.012	98	48978	20.0	13.5	
31 Acrylonitrile	53	3.911	3.923	-0.012	94	220969	200.0	198.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	4.008	4.020	-0.012	94	57947	20.0	12.3	
33 Isopropyl ether	45	4.277	4.283	-0.006	97	237788	20.0	22.7	
34 1,1-Dichloroethane	63	4.301	4.307	-0.006	99	130232	20.0	20.1	
36 2-Chloro-1,3-butadiene	88	4.356	4.362	-0.006	92	46250	20.0	15.5	
37 Tert-butyl ethyl ether	59	4.661	4.667	-0.006	89	192514	20.0	22.2	
* 38 2-Butanone-d5	46	4.898	4.904	-0.006	0	267878	250.0	250.0	
39 2,2-Dichloropropane	79	4.905	4.904	0.001	65	28360	20.0	20.2	
40 cis-1,2-Dichloroethene	96	4.935	4.941	-0.006	96	57690	20.0	14.7	
41 2-Butanone (MEK)	72	4.966	4.978	-0.012	97	34589	100.0	90.8	
42 Ethyl acetate	70	4.966	4.978	-0.012	94	7314	40.0	22.5	
43 Methyl acrylate	55	5.039	5.045	-0.006	99	42687	20.0	17.6	
44 Propionitrile	54	5.130	5.136	-0.006	98	86879	200.0	205.7	
45 Tetrahydrofuran	72	5.209	5.209	0.000	64	17554	40.0	40.3	
46 Chlorobromomethane	128	5.209	5.221	-0.012	89	29436	20.0	15.1	
47 Methacrylonitrile	67	5.252	5.252	0.000	94	219309	200.0	194.8	
48 Chloroform	83	5.283	5.288	-0.006	98	113176	20.0	18.2	
49 Cyclohexane	56	5.423	5.435	-0.012	94	111063	20.0	20.6	
50 1,1,1-Trichloroethane	97	5.447	5.459	-0.012	99	97377	20.0	19.9	
$ 51 Dibromofluoromethane (Surr	113	5.478	5.484	-0.006	96	137561	50.0	47.2	
52 Carbon tetrachloride	117	5.593	5.599	-0.006	98	84899	20.0	18.8	
53 1,1-Dichloropropene	75	5.630	5.642	-0.012	97	64437	20.0	14.2	
54 Isobutyl alcohol	43	5.831	5.837	-0.006	93	107121	500.0	497.9	
55 Benzene	78	5.874	5.880	-0.006	96	230936	20.0	18.5	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.898	5.904	-0.006	97	144382	50.0	49.1	
57 Tert-amyl methyl ether	73	5.965	5.971	-0.006	91	220110	20.0	21.6	
58 Isopropyl acetate	43	5.971	5.977	-0.006	97	176282	20.0	19.0	
59 1,2-Dichloroethane	62	5.990	5.996	-0.006	97	70163	20.0	16.1	
60 n-Heptane	57	6.087	6.087	0.000	94	24888	20.0	9.48	
* 61 Fluorobenzene	96	6.234	6.240	-0.006	98	488132	50.0	50.0	
62 n-Butanol	56	6.636	6.642	-0.006	92	44525	500.0	547.5	
63 Trichloroethene	95	6.666	6.666	0.000	98	65864	20.0	19.6	
64 Methylcyclohexane	83	6.807	6.813	-0.006	96	101097	20.0	19.2	
65 Ethyl acrylate	73	6.837	6.831	0.006	97	2608	20.0	11.9	
66 1,2-Dichloropropane	63	7.002	7.002	0.000	90	64240	20.0	20.3	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	18082	1000.0	1000.0	
68 Methyl methacrylate	100	7.099	7.105	-0.006	93	25206	40.0	34.0	
69 1,4-Dioxane	88	7.130	7.136	-0.006	49	14828	400.0	549.4	
70 Dibromomethane	93	7.136	7.142	-0.006	96	28297	20.0	13.9	
71 n-Propyl acetate	43	7.166	7.166	0.000	100	43827	20.0	10.9	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	66945	20.0	16.3	
73 2-Nitropropane	41	7.624	7.629	-0.005	83	13878	40.0	21.8	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	88	23220	20.0	15.7	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	105746	400.0	358.1	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	92	58021	20.0	13.9	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	313390	100.0	97.3	
$ 78 Toluene-d8 (Surr)	98	7.983	7.989	-0.006	98	473560	50.0	50.0	
79 Toluene	91	8.050	8.050	0.000	93	200881	20.0	15.4	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	97	37269	20.0	10.5	
81 Ethyl methacrylate	69	8.361	8.361	0.000	91	45813	20.0	13.9	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	37720	20.0	17.6	
83 Tetrachloroethene	166	8.532	8.532	0.000	95	46782	20.0	12.6	
84 1,3-Dichloropropane	76	8.654	8.654	0.000	94	67878	20.0	17.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Hexanone	43	8.696	8.696	0.000	98	181684	100.0	88.5	
86 n-Butyl acetate	73	8.776	8.782	-0.006	99	5725	20.0	8.66	
87 Chlorodibromomethane	129	8.818	8.824	-0.006	98	45428	20.0	15.1	
88 Ethylene Dibromide	107	8.928	8.928	0.000	99	31806	20.0	12.7	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	347425	50.0	50.0	
90 Chlorobenzene	112	9.312	9.318	-0.006	96	102511	20.0	12.8	
91 Ethylbenzene	106	9.373	9.379	-0.006	99	63503	20.0	14.7	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	56443	20.0	17.7	
93 m-Xylene & p-Xylene	106	9.477	9.477	0.000	99	75829	20.0	14.2	
94 n-Butyl acrylate	73	9.763	9.763	0.000	96	15271	20.0	8.41	
95 o-Xylene	106	9.794	9.794	0.000	93	93206	20.0	17.4	
96 Styrene	104	9.812	9.812	0.000	95	95779	20.0	11.7	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	91	29978	20.0	7.23	
98 Bromoform	173	9.983	9.983	0.000	96	25977	20.0	12.6	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	237311	20.0	17.0	
$ 100 4-Bromofluorobenzene	174	10.221	10.220	0.001	91	129807	50.0	46.9	
101 Bromobenzene	156	10.330	10.330	0.000	98	36077	20.0	10.6	
102 1,1,2,2-Tetrachloroethane	83	10.343	10.342	0.000	98	26740	20.0	9.06	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	211734	20.0	14.1	
104 1,2,3-Trichloropropane	110	10.391	10.391	0.000	98	17675	20.0	20.1	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.397	-0.006	86	9144	20.0	10.8	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	172136	20.0	14.1	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	161971	20.0	15.9	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	190853	20.0	17.8	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	92283	20.0	10.6	
110 Butyl Methacrylate	87	10.556	10.556	0.000	94	38519	20.0	12.2	
111 tert-Butylbenzene	119	10.733	10.733	0.000	94	151064	20.0	18.7	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	180716	20.0	18.5	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	221403	20.0	19.4	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	179774	20.0	17.1	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	95	53089	20.0	9.25	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	96	159635	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	95	46338	20.0	7.96	
118 Benzyl chloride	126	11.178	11.178	0.000	98	11048	20.0	11.7	
119 2,3-Dihydroindene	117	11.233	11.232	0.001	94	184361	20.0	15.3	
120 p-Diethylbenzene	119	11.257	11.257	0.000	94	85144	20.0	13.3	
121 n-Butylbenzene	92	11.275	11.275	0.000	99	65182	20.0	11.7	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	68705	20.0	11.8	
123 1,2,4,5-Tetramethylbenzene	119	11.854	11.848	0.006	97	141693	20.0	14.5	
124 1,2-Dibromo-3-Chloropropan	157	11.958	11.964	-0.006	95	10897	20.0	16.9	
125 1,3,5-Trichlorobenzene	180	12.086	12.080	0.006	97	47320	20.0	9.48	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	25704	20.0	5.27	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	95	18478	20.0	7.15	
128 Naphthalene	128	12.952	12.952	0.000	99	88203	20.0	9.17	
129 1,2,3-Trichlorobenzene	180	13.226	13.226	0.000	95	31350	20.0	6.44	
S 130 1,2-Dichloroethene, Total	100				0		40.0	28.2	
S 131 1,3-Dichloropropene, Total	100				0		40.0	24.4	
S 132 Xylenes, Total	100				0		40.0	31.7	
S 133 Total BTEX	1				0		100.0	80.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00055	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

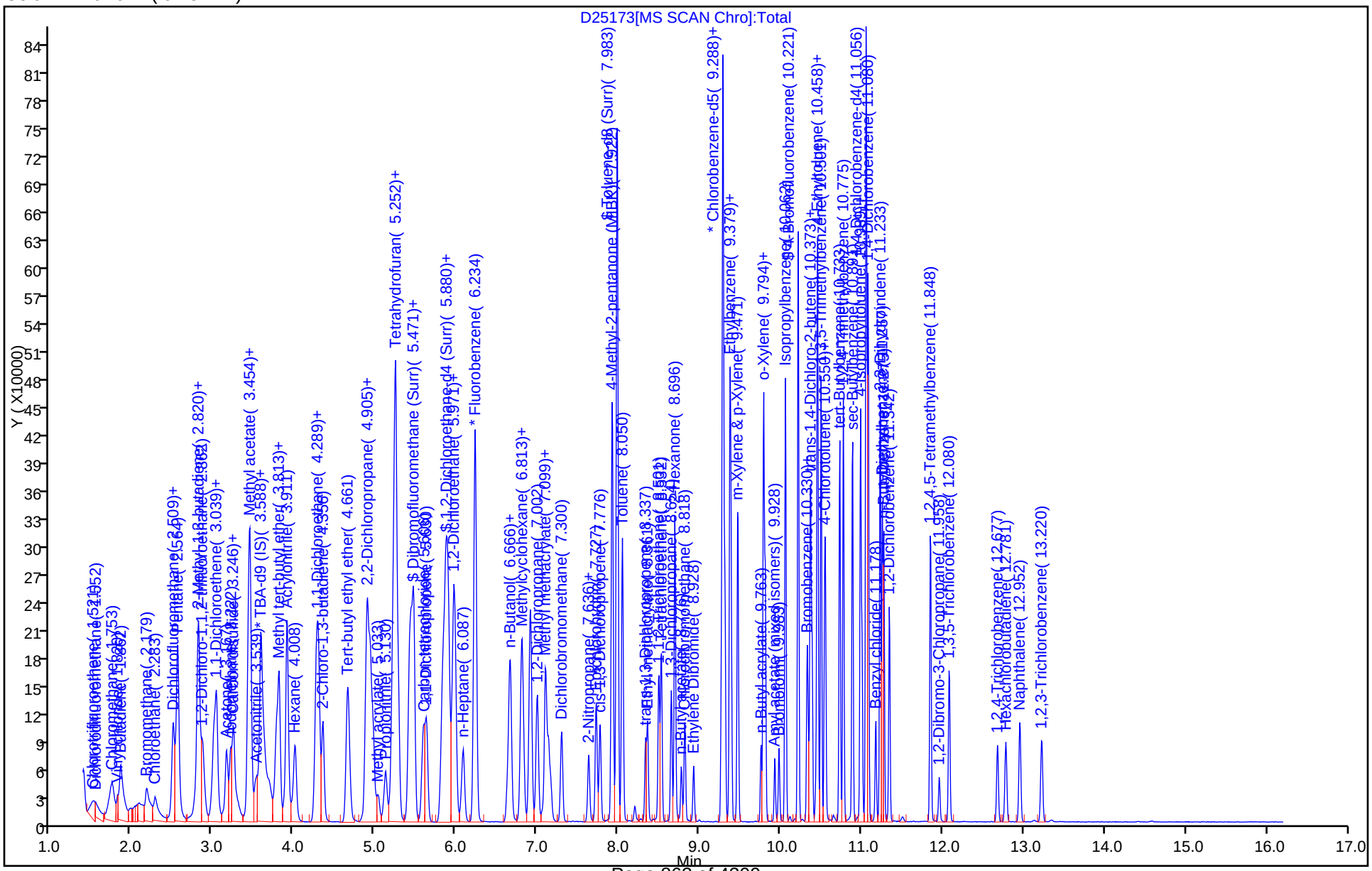
Report Date: 23-Aug-2016 19:37:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25173.D

Injection Date:	22-Aug-2016 15:28:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-5-B MS			Worklist Smp#:	14
Client ID:	SB-8 (2-4) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118805-A-9 MS

Matrix: Water | Lab File ID: J44643.D

Analysis Method: 8260C | Date Collected: 08/17/2016 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/20/2016 02:19

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	411		20	5.6
79-34-5	1,1,2,2-Tetrachloroethane	415		20	3.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	461		20	6.8
79-00-5	1,1,2-Trichloroethane	390		20	1.6
75-34-3	1,1-Dichloroethane	416		20	4.8
75-35-4	1,1-Dichloroethene	387		20	6.8
87-61-6	1,2,3-Trichlorobenzene	356		20	7.0
120-82-1	1,2,4-Trichlorobenzene	371		20	5.4
96-12-8	1,2-Dibromo-3-Chloropropane	343		20	4.6
95-50-1	1,2-Dichlorobenzene	415		20	4.4
107-06-2	1,2-Dichloroethane	386		20	5.0
78-87-5	1,2-Dichloropropane	414		20	3.6
541-73-1	1,3-Dichlorobenzene	417		20	6.6
106-46-7	1,4-Dichlorobenzene	429		20	6.6
123-91-1	1,4-Dioxane	7570		1000	170
78-93-3	2-Butanone (MEK)	1840		100	44
591-78-6	2-Hexanone	1860		100	14
108-10-1	4-Methyl-2-pentanone (MIBK)	2010		100	13
67-64-1	Acetone	1450		100	21
71-43-2	Benzene	422		20	1.8
75-25-2	Bromoform	309		20	3.6
74-83-9	Bromomethane	394		20	3.6
75-15-0	Carbon disulfide	409		20	4.4
56-23-5	Carbon tetrachloride	413		20	6.6
108-90-7	Chlorobenzene	409		20	4.8
74-97-5	Chlorobromomethane	390		20	6.0
124-48-1	Chlorodibromomethane	351		20	4.4
75-00-3	Chloroethane	402		20	7.4
67-66-3	Chloroform	405		20	4.4
74-87-3	Chloromethane	355		20	4.4
156-59-2	cis-1,2-Dichloroethene	391		20	5.2
10061-01-5	cis-1,3-Dichloropropene	402		20	3.2
110-82-7	Cyclohexane	416		20	5.2
75-27-4	Dichlorobromomethane	376		20	3.0
75-71-8	Dichlorodifluoromethane	341		20	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118805-A-9 MS

Matrix: Water | Lab File ID: J44643.D

Analysis Method: 8260C | Date Collected: 08/17/2016 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/20/2016 02:19

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	412		20	6.0
106-93-4	Ethylene Dibromide	377		20	3.8
98-82-8	Isopropylbenzene	414		20	6.4
79-20-9	Methyl acetate	2030		100	12
1634-04-4	Methyl tert-butyl ether	393		20	2.6
108-87-2	Methylcyclohexane	422		20	4.4
75-09-2	Methylene Chloride	393		20	4.2
179601-23-1	m-Xylene & p-Xylene	405		20	5.6
95-47-6	o-Xylene	414		20	6.4
100-42-5	Styrene	404		20	3.4
127-18-4	Tetrachloroethene	839		20	2.4
108-88-3	Toluene	414		20	5.0
156-60-5	trans-1,2-Dichloroethene	402		20	3.6
10061-02-6	trans-1,3-Dichloropropene	397		20	3.8
79-01-6	Trichloroethene	406		20	4.4
75-69-4	Trichlorofluoromethane	390		20	3.0
75-01-4	Vinyl chloride	386		20	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	95		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44643.D
Lims ID: 460-118805-A-9 MS
Client ID:
Sample Type: MS
Inject. Date: 20-Aug-2016 02:19:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 460-118805-A-9 MS
Misc. Info.: 460-0044659-013
Operator ID: Instrument ID: CVOAMS8

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 21-Aug-2016 05:55:17 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: tupayachia Date: 21-Aug-2016 05:55:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.649	0.640	0.009	95	13439	20.0	22.0	
2 Dichlorodifluoromethane	85	0.684	0.676	0.008	99	82868	20.0	17.0	
3 Chloromethane	50	0.884	0.881	0.003	99	102618	20.0	17.7	
4 Vinyl chloride	62	0.995	0.987	0.008	98	101801	20.0	19.3	
5 Butadiene	54	1.031	1.022	0.009	97	92160	20.0	20.0	
6 Bromomethane	94	1.360	1.351	0.009	97	61184	20.0	19.7	
7 Chloroethane	64	1.471	1.463	0.008	99	57579	20.0	20.1	
8 Dichlorofluoromethane	67	1.700	1.686	0.014	94	149243	20.0	19.3	
9 Trichlorofluoromethane	101	1.700	1.692	0.008	80	120944	20.0	19.5	
10 Pentane	72	1.759	1.751	0.008	95	20944	40.0	58.1	
11 Ethanol	46	1.959	1.957	0.002	98	10677	800.0	848.8	
12 Ethyl ether	59	2.012	2.009	0.003	96	71003	20.0	20.5	
13 2-Methyl-1,3-butadiene	53	2.035	2.027	0.008	96	76536	20.0	22.5	
14 1,2-Dichloro-1,1,2-trifluo	117	2.076	2.074	0.002	91	64761	20.0	20.0	
15 1,1,2-Trichloro-1,2,2-trif	101	2.223	2.215	0.008	98	71964	20.0	23.1	
16 Acrolein	56	2.235	2.227	0.008	96	26575	40.0	45.3	
17 1,1-Dichloroethene	96	2.270	2.262	0.008	96	77543	20.0	19.3	
18 Acetone	43	2.400	2.385	0.015	87	99582	100.0	72.4	
19 Iodomethane	142	2.452	2.450	0.002	97	118364	20.0	19.6	
20 Carbon disulfide	76	2.488	2.485	0.003	99	294496	20.0	20.5	
21 Isopropyl alcohol	45	2.517	2.509	0.008	99	36934	200.0	185.0	
22 3-Chloro-1-propene	76	2.682	2.673	0.009	90	49775	20.0	20.7	
24 Cyclopentene	67	2.699	2.691	0.008	94	219989	20.0	22.0	
23 Methyl acetate	43	2.711	2.703	0.008	100	293639	100.0	101.4	
25 Acetonitrile	41	2.776	2.773	0.003	99	105975	200.0	237.4	
27 Methylene Chloride	84	2.846	2.838	0.008	67	90454	20.0	19.7	
* 26 TBA-d9 (IS)	65	2.846	2.844	0.002	91	304543	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.940	2.932	0.008	99	60944	200.0	186.2	
29 Methyl tert-butyl ether	73	3.046	3.044	0.002	98	245835	20.0	19.7	
30 trans-1,2-Dichloroethene	96	3.081	3.073	0.008	96	89576	20.0	20.1	
31 Acrylonitrile	53	3.187	3.185	0.002	96	299250	200.0	227.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	3.275	3.273	0.002	92	71139	20.0	23.5	
33 Isopropyl ether	45	3.551	3.549	0.002	97	290758	20.0	21.9	
34 1,1-Dichloroethane	63	3.586	3.584	0.002	99	169869	20.0	20.8	
35 Vinyl acetate	43	3.616	3.608	0.008	100	333565	40.0	51.2	
36 2-Chloro-1,3-butadiene	88	3.639	3.637	0.002	91	82942	20.0	22.2	
37 Tert-butyl ethyl ether	59	3.939	3.937	0.002	90	273432	20.0	19.9	
39 2,2-Dichloropropane	79	4.192	4.189	0.003	63	43625	20.0	21.8	
* 38 2-Butanone-d5	46	4.192	4.189	0.003	100	399975	250.0	250.0	
40 cis-1,2-Dichloroethene	96	4.233	4.224	0.009	97	96782	20.0	19.6	
41 2-Butanone (MEK)	72	4.262	4.260	0.002	96	42450	100.0	92.2	
42 Ethyl acetate	70	4.268	4.260	0.008	96	18730	40.0	36.8	
43 Methyl acrylate	55	4.327	4.324	0.003	99	75249	20.0	19.8	
44 Propionitrile	54	4.427	4.424	0.003	97	108999	200.0	222.3	
45 Tetrahydrofuran	72	4.491	4.495	-0.004	70	19374	40.0	37.2	
46 Chlorobromomethane	128	4.503	4.501	0.002	92	46516	20.0	19.5	
47 Methacrylonitrile	67	4.544	4.542	0.002	92	343390	200.0	204.6	
48 Chloroform	83	4.574	4.565	0.009	99	154837	20.0	20.2	
49 Cyclohexane	56	4.703	4.700	0.003	93	116682	20.0	20.8	
50 1,1,1-Trichloroethane	97	4.732	4.730	0.002	98	129232	20.0	20.5	
$ 51 Dibromofluoromethane (Surr	113	4.756	4.759	-0.003	96	210356	50.0	47.6	
52 Carbon tetrachloride	117	4.867	4.865	0.002	97	104113	20.0	20.7	
53 1,1-Dichloropropene	75	4.914	4.912	0.002	96	121842	20.0	21.1	
54 Isobutyl alcohol	43	5.085	5.076	0.009	96	93949	500.0	563.6	
55 Isooctane	57	5.167	5.112	0.055	16	1448	20.0	0.2390	
56 Benzene	78	5.149	5.147	0.002	96	379887	20.0	21.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.179	5.176	0.003	95	249006	50.0	47.5	
59 Tert-amyl methyl ether	73	5.226	5.223	0.003	91	250985	20.0	19.9	
58 Isopropyl acetate	43	5.232	5.229	0.003	96	238090	20.0	20.0	
60 1,2-Dichloroethane	62	5.261	5.264	-0.003	96	120417	20.0	19.3	
61 n-Heptane	57	5.331	5.335	-0.004	91	31054	20.0	22.8	
* 62 Fluorobenzene	96	5.496	5.494	0.002	98	936381	50.0	50.0	
63 n-Butanol	56	5.854	5.858	-0.004	89	42468	500.0	478.2	
64 Trichloroethene	95	5.901	5.893	0.008	97	93838	20.0	20.3	
66 Methylcyclohexane	83	6.036	6.034	0.002	89	88922	20.0	21.1	
65 Ethyl acrylate	55	6.048	6.052	-0.004	98	176894	20.0	22.5	
67 1,2-Dichloropropane	63	6.242	6.240	0.002	89	94087	20.0	20.7	
* 68 1,4-Dioxane-d8	96	6.301	6.299	0.002	93	42256	1000.0	1000.0	
69 Methyl methacrylate	100	6.336	6.328	0.008	90	47992	40.0	36.4	
70 1,4-Dioxane	88	6.371	6.363	0.008	90	13930	400.0	378.5	
72 Dibromomethane	93	6.383	6.387	-0.004	98	54708	20.0	19.4	
71 n-Propyl acetate	43	6.395	6.393	0.002	99	117466	20.0	19.8	
73 Dichlorobromomethane	83	6.559	6.557	0.002	99	117163	20.0	18.8	
74 2-Chloroethyl vinyl ether	63	6.941	6.939	0.002	47	10109	20.0	3.46	
75 2-Nitropropane	41	6.947	6.945	0.002	98	42839	40.0	31.7	
76 Epichlorohydrin	57	7.065	7.062	0.003	99	162355	400.0	396.2	
77 cis-1,3-Dichloropropene	75	7.123	7.121	0.002	94	158076	20.0	20.1	
78 4-Methyl-2-pentanone (MIBK	43	7.311	7.309	0.002	96	370756	100.0	100.6	
$ 79 Toluene-d8 (Surr)	98	7.394	7.391	0.003	99	940277	50.0	49.4	
80 Toluene	91	7.482	7.479	0.003	93	403613	20.0	20.7	
81 trans-1,3-Dichloropropene	75	7.870	7.867	0.003	96	141698	20.0	19.8	
82 Ethyl methacrylate	69	7.899	7.897	0.002	89	111177	20.0	18.9	
83 1,1,2-Trichloroethane	83	8.111	8.108	0.003	95	71331	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Tetrachloroethene	166	8.146	8.143	0.003	97	173299	20.0	41.9	
85 1,3-Dichloropropane	76	8.340	8.337	0.003	96	140002	20.0	20.4	
86 2-Hexanone	58	8.404	8.402	0.002	96	144450	100.0	93.2	
87 n-Butyl acetate	43	8.522	8.519	0.003	99	131384	20.0	20.0	
88 Chlorodibromomethane	129	8.586	8.584	0.002	98	86303	20.0	17.5	
89 Ethylene Dibromide	107	8.763	8.760	0.003	99	81342	20.0	18.9	
* 90 Chlorobenzene-d5	117	9.327	9.324	0.003	86	734873	50.0	50.0	
91 Chlorobenzene	112	9.362	9.360	0.002	95	260870	20.0	20.5	
92 Ethylbenzene	106	9.450	9.448	0.002	99	129098	20.0	20.6	
93 1,1,1,2-Tetrachloroethane	131	9.468	9.465	0.003	96	87334	20.0	19.1	
94 m-Xylene & p-Xylene	106	9.585	9.589	-0.004	97	162759	20.0	20.3	
95 n-Butyl acrylate	73	9.979	9.977	0.002	96	68617	20.0	18.4	
96 o-Xylene	106	10.002	10.000	0.002	93	165014	20.0	20.7	
97 Styrene	104	10.032	10.029	0.003	95	289740	20.0	20.2	
98 Amyl acetate (mixed isomer	43	10.190	10.188	0.002	91	158855	20.0	21.3	
99 Bromoform	173	10.232	10.229	0.003	97	51969	20.0	15.4	
100 Isopropylbenzene	105	10.331	10.329	0.002	96	347285	20.0	20.7	
$ 101 4-Bromofluorobenzene	174	10.514	10.511	0.003	90	299626	50.0	49.2	
102 Bromobenzene	156	10.631	10.629	0.002	98	111744	20.0	21.5	
103 1,1,2,2-Tetrachloroethane	83	10.660	10.658	0.002	99	103983	20.0	20.7	
104 N-Propylbenzene	91	10.684	10.682	0.002	99	386989	20.0	21.8	
105 1,2,3-Trichloropropane	110	10.707	10.705	0.002	96	28248	20.0	18.8	
106 trans-1,4-Dichloro-2-buten	53	10.713	10.717	-0.004	93	26752	20.0	18.7	
107 4-Ethyltoluene	105	10.772	10.776	-0.004	97	346285	20.0	21.5	
108 2-Chlorotoluene	91	10.778	10.776	0.002	95	315905	20.0	22.2	
109 1,3,5-Trimethylbenzene	105	10.825	10.829	-0.003	93	298947	20.0	21.4	
110 4-Chlorotoluene	91	10.866	10.870	-0.004	97	296623	20.0	21.6	
111 Butyl Methacrylate	87	10.896	10.893	0.003	92	135364	20.0	21.3	
112 tert-Butylbenzene	119	11.066	11.064	0.002	94	218098	20.0	21.4	
113 1,2,4-Trimethylbenzene	105	11.113	11.111	0.002	97	320847	20.0	21.6	
114 sec-Butylbenzene	105	11.225	11.222	0.003	99	297586	20.0	22.5	
115 4-Isopropyltoluene	119	11.319	11.322	-0.003	98	269694	20.0	21.6	
116 1,3-Dichlorobenzene	146	11.336	11.334	0.002	95	184788	20.0	20.9	
* 117 1,4-Dichlorobenzene-d4	152	11.383	11.387	-0.004	96	398280	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.401	11.404	-0.003	95	194744	20.0	21.5	
119 Benzyl chloride	91	11.501	11.504	-0.003	98	214669	20.0	21.2	
120 2,3-Dihydroindene	117	11.548	11.551	-0.003	94	380095	20.0	22.0	
121 p-Diethylbenzene	119	11.577	11.581	-0.004	96	165920	20.0	21.5	
123 1,2-Dichlorobenzene	146	11.653	11.657	-0.004	96	185600	20.0	20.8	
124 1,2,4,5-Tetramethylbenzene	119	12.094	12.098	-0.004	97	259505	20.0	20.5	
125 1,2-Dibromo-3-Chloropropan	155	12.194	12.197	-0.003	97	15133	20.0	17.2	
126 1,3,5-Trichlorobenzene	180	12.282	12.286	-0.004	98	99948	20.0	20.0	
127 1,2,4-Trichlorobenzene	180	12.740	12.744	-0.004	94	84372	20.0	18.5	
128 Hexachlorobutadiene	225	12.805	12.809	-0.004	96	35678	20.0	19.9	
129 Naphthalene	128	12.946	12.950	-0.004	99	208658	20.0	18.3	
130 1,2,3-Trichlorobenzene	180	13.128	13.138	-0.010	94	66331	20.0	17.8	
S 131 1,2-Dichloroethene, Total	100				0		40.0	39.7	
S 132 Xylenes, Total	100				0		40.0	41.0	
S 133 Total BTEX	1				0		100.0	103.3	

Reagents:

GASES Li_00167	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	20.00	Units: uL	
ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 21-Aug-2016 05:55:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44643.D

Injection Date: 20-Aug-2016 02:19:30 Instrument ID: CVOAMS8 Operator ID:

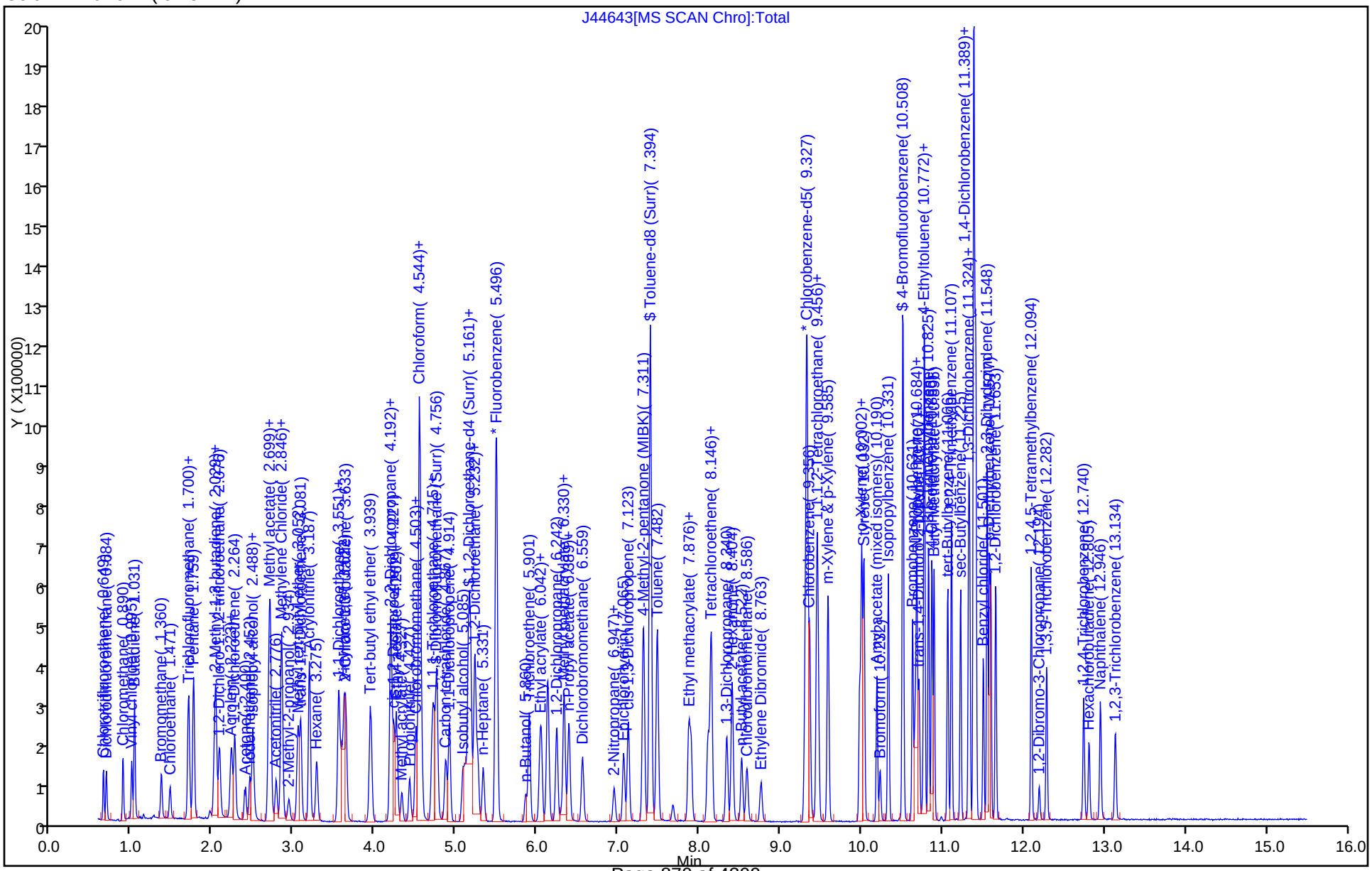
Lims ID: 460-118805-A-9 MS Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 20.0000 ALS Bottle#: 12

Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MSD | Lab Sample ID: 460-118857-5 MSD

Matrix: Solid | Lab File ID: D25174.D

Analysis Method: 8260C | Date Collected: 08/18/2016 10:55

Sample wt/vol: 5.986(g) | Date Analyzed: 08/22/2016 15:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	14.6		0.88	0.33
79-34-5	1,1,2,2-Tetrachloroethane	13.4		0.88	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14.8		0.88	0.39
79-00-5	1,1,2-Trichloroethane	13.6		0.88	0.25
75-34-3	1,1-Dichloroethane	15.3		0.88	0.30
75-35-4	1,1-Dichloroethene	14.6		0.88	0.36
87-61-6	1,2,3-Trichlorobenzene	6.88		0.88	0.097
120-82-1	1,2,4-Trichlorobenzene	6.86		0.88	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	11.8		0.88	0.41
95-50-1	1,2-Dichlorobenzene	10.6		0.88	0.12
107-06-2	1,2-Dichloroethane	14.0		0.88	0.097
78-87-5	1,2-Dichloropropane	15.6		0.88	0.15
541-73-1	1,3-Dichlorobenzene	10.4		0.88	0.11
106-46-7	1,4-Dichlorobenzene	10.1		0.88	0.11
123-91-1	1,4-Dioxane	414		18	5.6
78-93-3	2-Butanone (MEK)	65.6		4.4	0.68
591-78-6	2-Hexanone	71.5		4.4	0.83
108-10-1	4-Methyl-2-pentanone (MIBK)	71.8		4.4	2.0
67-64-1	Acetone	82.5		4.4	0.93
75-05-8	Acetonitrile	125		8.8	3.6
107-02-8	Acrolein	190		88	14
71-43-2	Benzene	13.9		0.88	0.18
75-25-2	Bromoform	10.7		0.88	0.11
74-83-9	Bromomethane	15.1		0.88	0.28
75-15-0	Carbon disulfide	13.0		0.88	0.38
56-23-5	Carbon tetrachloride	13.7		0.88	0.38
108-90-7	Chlorobenzene	12.5		0.88	0.12
74-97-5	Chlorobromomethane	12.9		0.88	0.15
124-48-1	Chlorodibromomethane	12.3		0.88	0.13
75-00-3	Chloroethane	15.7		0.88	0.31
67-66-3	Chloroform	14.3		0.88	0.18
74-87-3	Chloromethane	16.5		0.88	0.33
156-59-2	cis-1,2-Dichloroethene	13.4		0.88	0.19
10061-01-5	cis-1,3-Dichloropropene	13.8		0.88	0.13
110-82-7	Cyclohexane	15.3		0.88	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MSD | Lab Sample ID: 460-118857-5 MSD

Matrix: Solid | Lab File ID: D25174.D

Analysis Method: 8260C | Date Collected: 08/18/2016 10:55

Sample wt/vol: 5.986(g) | Date Analyzed: 08/22/2016 15:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 386039 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	13.5		0.88	0.33
75-71-8	Dichlorodifluoromethane	15.1		0.88	0.28
100-41-4	Ethylbenzene	13.1		0.88	0.16
106-93-4	Ethylene Dibromide	12.6		0.88	0.11
98-82-8	Isopropylbenzene	13.0		0.88	0.15
79-20-9	Methyl acetate	91.2		4.4	0.79
1634-04-4	Methyl tert-butyl ether	15.3		0.88	0.15
108-87-2	Methylcyclohexane	14.0		0.88	0.44
75-09-2	Methylene Chloride	14.7		0.88	0.28
179601-23-1	m-Xylene & p-Xylene	13.1		0.88	0.097
95-47-6	o-Xylene	13.7		0.88	0.14
100-42-5	Styrene	12.6		0.88	0.13
75-65-0	TBA	148		8.8	3.1
127-18-4	Tetrachloroethene	10.9		0.88	0.25
108-88-3	Toluene	12.8		0.88	0.17
156-60-5	trans-1,2-Dichloroethene	12.9		0.88	0.34
10061-02-6	trans-1,3-Dichloropropene	12.6		0.88	0.088
79-01-6	Trichloroethene	12.4		0.88	0.23
75-69-4	Trichlorofluoromethane	14.8		0.88	0.30
75-01-4	Vinyl chloride	15.7		0.88	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		78-135
460-00-4	4-Bromofluorobenzene	83		67-126
1868-53-7	Dibromofluoromethane (Surr)	93		61-149
2037-26-5	Toluene-d8 (Surr)	94		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25174.D
Lims ID: 460-118857-B-5-C MSD
Client ID: SB-8 (2-4) 08182016
Sample Type: MSD
Inject. Date: 22-Aug-2016 15:52:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-118857-B-5-C MSD
Misc. Info.: 460-0044710-015
Operator ID: Instrument ID: CVOAMS4

Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\8260S_4.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 23-Aug-2016 19:38:56 Calib Date: 18-Aug-2016 06:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160817-44588.b\D25068b.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: desais Date: 23-Aug-2016 12:11:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.515	1.509	0.006	19	31481	20.0	17.7	M
2 Dichlorodifluoromethane	85	1.545	1.539	0.006	99	75269	20.0	17.1	
3 Chloromethane	50	1.759	1.771	-0.012	99	78400	20.0	18.8	
4 Vinyl chloride	62	1.838	1.838	0.000	98	54485	20.0	17.8	
5 Butadiene	54	1.875	1.881	-0.006	96	35620	20.0	19.6	
6 Bromomethane	94	2.192	2.198	-0.006	98	53393	20.0	17.2	
7 Chloroethane	64	2.295	2.301	-0.006	99	34329	20.0	17.8	
8 Dichlorofluoromethane	67	2.515	2.521	-0.006	96	88811	20.0	17.6	
9 Trichlorofluoromethane	101	2.521	2.527	-0.006	79	72051	20.0	16.8	
10 Pentane	72	2.576	2.576	0.000	97	20731	40.0	35.3	
11 Ethyl ether	59	2.820	2.819	0.001	91	50855	20.0	17.7	
12 Ethanol	46	2.813	2.819	-0.006	79	12138	800.0	645.7	
13 2-Methyl-1,3-butadiene	53	2.838	2.838	0.000	97	56104	20.0	18.1	
14 1,2-Dichloro-1,1,2-trifluo	117	2.887	2.880	0.007	97	40290	20.0	17.7	
15 1,1,2-Trichloro-1,2,2-trif	101	3.009	3.015	-0.006	95	33249	20.0	16.8	
16 Acrolein	56	3.021	3.021	0.000	96	99708	300.0	215.8	
17 1,1-Dichloroethene	96	3.057	3.051	0.006	95	50970	20.0	16.6	
18 Acetone	43	3.173	3.173	0.000	86	104152	100.0	93.7	
19 Iodomethane	142	3.228	3.228	0.000	100	95239	20.0	14.6	
20 Carbon disulfide	76	3.265	3.264	0.001	99	168002	20.0	14.8	
21 Isopropyl alcohol	45	3.307	3.307	0.000	99	45706	200.0	180.0	
22 3-Chloro-1-propene	76	3.441	3.441	0.000	88	35164	20.0	14.1	
23 Cyclopentene	67	3.460	3.460	0.000	96	156194	20.0	18.9	
24 Methyl acetate	43	3.472	3.466	0.006	100	263372	100.0	103.7	
25 Acetonitrile	41	3.539	3.533	0.006	99	63177	200.0	141.9	
26 Methylene Chloride	84	3.600	3.600	0.000	97	67668	20.0	16.7	
* 27 TBA-d9 (IS)	65	3.618	3.612	0.006	39	269035	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.704	3.703	0.001	99	65680	200.0	168.6	
29 Methyl tert-butyl ether	73	3.801	3.795	0.006	97	136640	20.0	17.4	
30 trans-1,2-Dichloroethene	96	3.825	3.825	0.000	98	56144	20.0	14.6	
31 Acrylonitrile	53	3.923	3.923	0.000	94	204323	200.0	169.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	4.021	4.020	0.001	94	76266	20.0	15.3	
33 Isopropyl ether	45	4.283	4.283	0.000	97	207614	20.0	18.8	
34 1,1-Dichloroethane	63	4.307	4.307	0.000	99	118856	20.0	17.4	
35 Vinyl acetate	86	4.350	4.344	0.006	100	8917	40.0	16.4	
36 2-Chloro-1,3-butadiene	88	4.362	4.362	0.000	92	50647	20.0	16.1	
37 Tert-butyl ethyl ether	59	4.667	4.667	0.000	89	165223	20.0	18.1	
* 38 2-Butanone-d5	46	4.904	4.904	0.000	0	293208	250.0	250.0	
39 2,2-Dichloropropane	79	4.911	4.904	0.007	96	24672	20.0	16.7	
40 cis-1,2-Dichloroethene	96	4.941	4.941	0.000	95	63099	20.0	15.2	
41 2-Butanone (MEK)	72	4.972	4.978	-0.006	96	31103	100.0	74.6	
42 Ethyl acetate	70	4.978	4.978	0.000	94	9212	40.0	25.9	
43 Methyl acrylate	55	5.045	5.045	0.000	99	51176	20.0	20.0	
44 Propionitrile	54	5.136	5.136	0.000	98	78238	200.0	175.3	
45 Tetrahydrofuran	72	5.215	5.209	0.006	60	16098	40.0	33.8	
46 Chlorobromomethane	128	5.215	5.221	-0.006	96	30193	20.0	14.7	
47 Methacrylonitrile	67	5.252	5.252	0.000	94	205194	200.0	172.6	
48 Chloroform	83	5.289	5.288	0.001	98	107051	20.0	16.3	
49 Cyclohexane	56	5.429	5.435	-0.006	94	98724	20.0	17.4	
50 1,1,1-Trichloroethane	97	5.453	5.459	-0.006	99	85550	20.0	16.5	
$ 51 Dibromofluoromethane (Surr	113	5.484	5.484	0.000	96	143618	50.0	46.6	
52 Carbon tetrachloride	117	5.599	5.599	0.000	97	74385	20.0	15.6	
53 1,1-Dichloropropene	75	5.636	5.642	-0.006	96	75899	20.0	15.9	
54 Isobutyl alcohol	43	5.837	5.837	0.000	93	101309	500.0	436.4	
55 Benzene	78	5.880	5.880	0.000	96	223585	20.0	15.8	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.904	5.904	0.000	97	151809	50.0	48.9	
57 Tert-amyl methyl ether	73	5.971	5.971	0.000	91	193433	20.0	18.0	
58 Isopropyl acetate	43	5.977	5.977	0.000	98	167037	20.0	17.0	
59 1,2-Dichloroethane	62	5.996	5.996	0.000	97	73039	20.0	15.9	
60 n-Heptane	57	6.087	6.087	0.000	95	34753	20.0	12.5	
* 61 Fluorobenzene	96	6.234	6.240	-0.006	98	515698	50.0	50.0	
62 n-Butanol	56	6.642	6.642	0.000	90	40446	500.0	460.9	
63 Trichloroethene	95	6.672	6.666	0.006	97	49804	20.0	14.1	
64 Methylcyclohexane	83	6.813	6.813	0.000	94	88752	20.0	15.9	
65 Ethyl acrylate	73	6.831	6.831	0.000	98	3350	20.0	14.5	
66 1,2-Dichloropropane	63	7.002	7.002	0.000	91	59318	20.0	17.7	
* 67 1,4-Dioxane-d8	96	7.069	7.069	0.000	0	19591	1000.0	1000.0	
68 Methyl methacrylate	100	7.105	7.105	0.000	93	26222	40.0	33.5	
69 1,4-Dioxane	88	7.136	7.136	0.000	45	13777	400.0	471.1	
70 Dibromomethane	93	7.136	7.142	-0.006	97	32021	20.0	14.8	
71 n-Propyl acetate	43	7.166	7.166	0.000	99	60375	20.0	14.2	
72 Dichlorobromomethane	83	7.300	7.300	0.000	99	66821	20.0	15.4	
73 2-Nitropropane	41	7.623	7.629	-0.006	87	19053	40.0	28.3	
74 2-Chloroethyl vinyl ether	63	7.636	7.636	0.000	85	26818	20.0	17.1	
75 Epichlorohydrin	57	7.727	7.727	0.000	99	97855	400.0	302.8	
76 cis-1,3-Dichloropropene	75	7.776	7.776	0.000	92	74609	20.0	15.7	
77 4-Methyl-2-pentanone (MIBK	43	7.922	7.922	0.000	98	287719	100.0	81.6	
$ 78 Toluene-d8 (Surr)	98	7.989	7.989	0.000	98	504099	50.0	47.0	
79 Toluene	91	8.050	8.050	0.000	94	216161	20.0	14.6	
80 trans-1,3-Dichloropropene	75	8.337	8.337	0.000	98	57570	20.0	14.3	
81 Ethyl methacrylate	69	8.361	8.361	0.000	90	53519	20.0	15.3	
82 1,1,2-Trichloroethane	83	8.501	8.501	0.000	95	37458	20.0	15.4	
83 Tetrachloroethene	166	8.532	8.532	0.000	95	52265	20.0	12.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.654	8.654	0.000	94	73618	20.0	16.8	
85 2-Hexanone	43	8.696	8.696	0.000	98	182498	100.0	81.2	
86 n-Butyl acetate	73	8.776	8.782	-0.006	98	9344	20.0	12.5	
87 Chlorodibromomethane	129	8.818	8.824	-0.006	98	47696	20.0	14.0	
88 Ethylene Dibromide	107	8.928	8.928	0.000	98	40707	20.0	14.3	
* 89 Chlorobenzene-d5	117	9.294	9.294	0.000	88	393472	50.0	50.0	
90 Chlorobenzene	112	9.312	9.318	-0.006	94	129256	20.0	14.2	
91 Ethylbenzene	106	9.379	9.379	0.000	99	72853	20.0	14.9	
92 1,1,1,2-Tetrachloroethane	131	9.391	9.391	0.000	94	51870	20.0	14.4	
93 m-Xylene & p-Xylene	106	9.477	9.477	0.000	99	89681	20.0	14.9	
94 n-Butyl acrylate	73	9.763	9.763	0.000	96	25142	20.0	12.2	
95 o-Xylene	106	9.794	9.794	0.000	93	94196	20.0	15.6	
96 Styrene	104	9.812	9.812	0.000	96	133731	20.0	14.4	
97 Amyl acetate (mixed isomer	43	9.928	9.928	0.000	90	60840	20.0	10.8	
98 Bromoform	173	9.983	9.983	0.000	96	28383	20.0	12.1	
99 Isopropylbenzene	105	10.062	10.062	0.000	96	232900	20.0	14.8	
$ 100 4-Bromofluorobenzene	174	10.221	10.220	0.001	90	155662	50.0	41.4	
101 Bromobenzene	156	10.330	10.330	0.000	97	53166	20.0	11.5	
102 1,1,2,2-Tetrachloroethane	83	10.342	10.342	0.000	98	61249	20.0	15.3	
103 N-Propylbenzene	91	10.367	10.367	0.000	99	267354	20.0	13.1	
104 1,2,3-Trichloropropane	110	10.385	10.391	-0.006	97	17348	20.0	14.5	
105 trans-1,4-Dichloro-2-buten	53	10.391	10.397	-0.006	79	15316	20.0	13.3	
106 4-Ethyltoluene	105	10.452	10.452	0.000	98	219852	20.0	13.2	
107 2-Chlorotoluene	91	10.458	10.458	0.000	97	183606	20.0	13.3	
108 1,3,5-Trimethylbenzene	105	10.501	10.501	0.000	93	187073	20.0	12.8	
109 4-Chlorotoluene	91	10.544	10.544	0.000	98	149317	20.0	12.6	
110 Butyl Methacrylate	87	10.556	10.556	0.000	93	52306	20.0	12.2	
111 tert-Butylbenzene	119	10.733	10.733	0.000	94	142429	20.0	13.0	
112 1,2,4-Trimethylbenzene	105	10.775	10.775	0.000	98	192776	20.0	14.5	
113 sec-Butylbenzene	105	10.891	10.891	0.000	99	222257	20.0	14.3	
114 4-Isopropyltoluene	119	10.989	10.989	0.000	98	187743	20.0	13.2	
115 1,3-Dichlorobenzene	146	11.007	11.007	0.000	96	92445	20.0	11.9	
* 116 1,4-Dichlorobenzene-d4	152	11.056	11.056	0.000	95	216955	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.074	11.074	0.000	96	90481	20.0	11.4	
118 Benzyl chloride	126	11.178	11.178	0.000	98	15634	20.0	12.1	
119 2,3-Dihydroindene	117	11.233	11.232	0.001	94	211209	20.0	16.7	
120 p-Diethylbenzene	119	11.257	11.257	0.000	94	110008	20.0	12.7	
121 n-Butylbenzene	92	11.275	11.275	0.000	98	89861	20.0	11.9	
122 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	95042	20.0	12.1	
123 1,2,4,5-Tetramethylbenzene	119	11.854	11.848	0.006	97	158111	20.0	11.9	
124 1,2-Dibromo-3-Chloropropan	157	11.964	11.964	0.000	95	11713	20.0	13.4	
125 1,3,5-Trichlorobenzene	180	12.080	12.080	0.000	97	65040	20.0	9.59	
126 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	94	51707	20.0	7.80	
127 Hexachlorobutadiene	225	12.781	12.781	0.000	94	24948	20.0	7.10	
128 Naphthalene	128	12.952	12.952	0.000	99	142126	20.0	10.9	
129 1,2,3-Trichlorobenzene	180	13.220	13.226	-0.006	93	51783	20.0	7.82	
S 130 1,2-Dichloroethene, Total	100				0		40.0	29.8	
S 131 1,3-Dichloropropene, Total	100				0		40.0	30.0	
S 132 Xylenes, Total	100				0		40.0	30.4	
S 133 Total BTEX	1				0		100.0	75.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00167	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	2.00	Units: uL	
ACROLEIN W_00055	Amount Added:	3.00	Units: uL	
8260ISNEW_00078	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00132	Amount Added:	1.00	Units: uL	Run Reagent

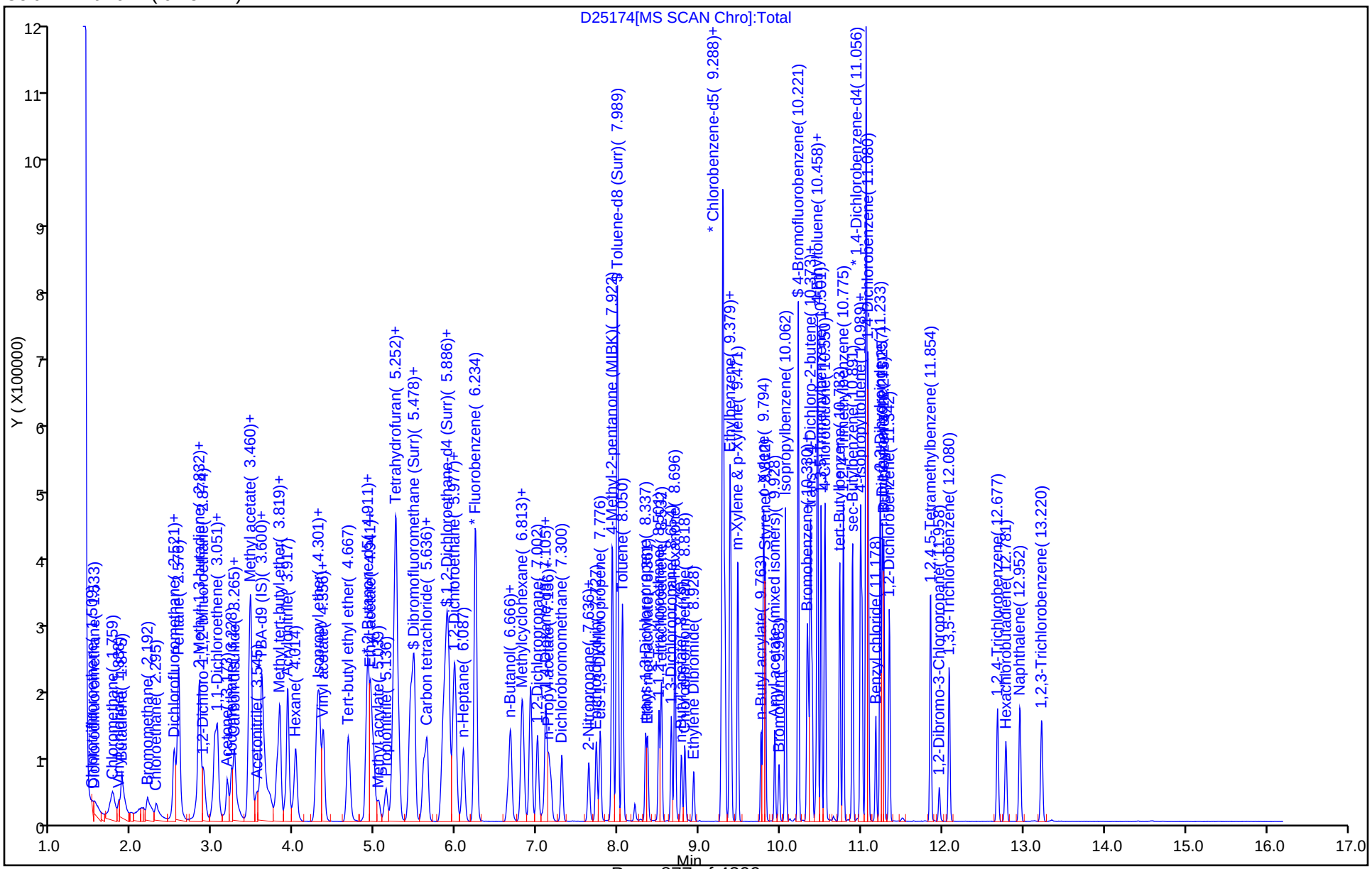
Report Date: 23-Aug-2016 19:38:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160822-44710.b\D25174.D

Injection Date:	22-Aug-2016 15:52:30	Instrument ID:	CVOAMS4	Operator ID:	
Lims ID:	460-118857-B-5-C MSD			Worklist Smp#:	15
Client ID:	SB-8 (2-4) 08182016				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260S_4	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118805-A-9 MSD

Matrix: Water | Lab File ID: J44644.D

Analysis Method: 8260C | Date Collected: 08/17/2016 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/20/2016 02:44

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	400		20	5.6
79-34-5	1,1,2,2-Tetrachloroethane	439		20	3.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	449		20	6.8
79-00-5	1,1,2-Trichloroethane	399		20	1.6
75-34-3	1,1-Dichloroethane	387		20	4.8
75-35-4	1,1-Dichloroethene	367		20	6.8
87-61-6	1,2,3-Trichlorobenzene	420		20	7.0
120-82-1	1,2,4-Trichlorobenzene	429		20	5.4
96-12-8	1,2-Dibromo-3-Chloropropane	350		20	4.6
95-50-1	1,2-Dichlorobenzene	422		20	4.4
107-06-2	1,2-Dichloroethane	371		20	5.0
78-87-5	1,2-Dichloropropane	410		20	3.6
541-73-1	1,3-Dichlorobenzene	433		20	6.6
106-46-7	1,4-Dichlorobenzene	435		20	6.6
123-91-1	1,4-Dioxane	10300		1000	170
78-93-3	2-Butanone (MEK)	2100		100	44
591-78-6	2-Hexanone	2040		100	14
108-10-1	4-Methyl-2-pentanone (MIBK)	2140		100	13
67-64-1	Acetone	1640		100	21
71-43-2	Benzene	413		20	1.8
75-25-2	Bromoform	310		20	3.6
74-83-9	Bromomethane	384		20	3.6
75-15-0	Carbon disulfide	391		20	4.4
56-23-5	Carbon tetrachloride	411		20	6.6
108-90-7	Chlorobenzene	404		20	4.8
74-97-5	Chlorobromomethane	372		20	6.0
124-48-1	Chlorodibromomethane	357		20	4.4
75-00-3	Chloroethane	393		20	7.4
67-66-3	Chloroform	396		20	4.4
74-87-3	Chloromethane	351		20	4.4
156-59-2	cis-1,2-Dichloroethene	388		20	5.2
10061-01-5	cis-1,3-Dichloropropene	389		20	3.2
110-82-7	Cyclohexane	413		20	5.2
75-27-4	Dichlorobromomethane	371		20	3.0
75-71-8	Dichlorodifluoromethane	353		20	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118805-A-9 MSD

Matrix: Water | Lab File ID: J44644.D

Analysis Method: 8260C | Date Collected: 08/17/2016 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/20/2016 02:44

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 385824 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	413		20	6.0
106-93-4	Ethylene Dibromide	382		20	3.8
98-82-8	Isopropylbenzene	427		20	6.4
79-20-9	Methyl acetate	2010		100	12
1634-04-4	Methyl tert-butyl ether	381		20	2.6
108-87-2	Methylcyclohexane	426		20	4.4
75-09-2	Methylene Chloride	395		20	4.2
179601-23-1	m-Xylene & p-Xylene	399		20	5.6
95-47-6	o-Xylene	407		20	6.4
100-42-5	Styrene	414		20	3.4
127-18-4	Tetrachloroethene	804		20	2.4
108-88-3	Toluene	404		20	5.0
156-60-5	trans-1,2-Dichloroethene	387		20	3.6
10061-02-6	trans-1,3-Dichloropropene	389		20	3.8
79-01-6	Trichloroethene	405		20	4.4
75-69-4	Trichlorofluoromethane	387		20	3.0
75-01-4	Vinyl chloride	373		20	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	93		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44644.D
Lims ID: 460-118805-A-9 MSD
Client ID:
Sample Type: MSD
Inject. Date: 20-Aug-2016 02:44:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 460-118805-A-9 MSD
Misc. Info.: 460-0044659-014
Operator ID: Instrument ID: CVOAMS8

Method: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\8260_W8.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 21-Aug-2016 05:55:17 Calib Date: 11-Aug-2016 03:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS8\20160810-44330.b\J44255.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: tupayachia Date: 21-Aug-2016 05:55:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.642	0.640	0.002	96	12946	20.0	20.7	
2 Dichlorodifluoromethane	85	0.678	0.676	0.002	99	87870	20.0	17.6	
3 Chloromethane	50	0.883	0.881	0.002	99	103986	20.0	17.6	
4 Vinyl chloride	62	0.989	0.987	0.002	97	100731	20.0	18.6	
5 Butadiene	54	1.024	1.022	0.002	97	89658	20.0	19.0	
6 Bromomethane	94	1.353	1.351	0.002	99	61097	20.0	19.2	
7 Chloroethane	64	1.465	1.463	0.002	99	57671	20.0	19.7	
8 Dichlorofluoromethane	67	1.688	1.686	0.002	98	153473	20.0	19.3	
9 Trichlorofluoromethane	101	1.694	1.692	0.002	97	122792	20.0	19.4	
10 Pentane	72	1.753	1.751	0.002	93	21465	40.0	60.9	
11 Ethanol	46	1.959	1.957	0.002	95	9778	800.0	793.4	
12 Ethyl ether	59	2.006	2.009	-0.003	97	70639	20.0	20.0	
13 2-Methyl-1,3-butadiene	53	2.029	2.027	0.002	92	76559	20.0	22.0	
14 1,2-Dichloro-1,1,2-trifluo	117	2.070	2.074	-0.004	96	67157	20.0	20.3	
15 1,1,2-Trichloro-1,2,2-trif	101	2.217	2.215	0.002	97	71761	20.0	22.5	
16 Acrolein	56	2.229	2.227	0.002	96	26674	40.0	46.4	
17 1,1-Dichloroethene	96	2.264	2.262	0.002	97	75365	20.0	18.4	
18 Acetone	43	2.387	2.385	0.002	86	106791	100.0	82.1	
19 Iodomethane	142	2.446	2.450	-0.004	97	118369	20.0	19.1	
20 Carbon disulfide	76	2.487	2.485	0.002	99	287806	20.0	19.5	
21 Isopropyl alcohol	45	2.505	2.509	-0.004	99	46246	200.0	236.4	
22 3-Chloro-1-propene	76	2.675	2.673	0.002	88	44275	20.0	18.0	
24 Cyclopentene	67	2.693	2.691	0.002	91	217965	20.0	21.3	
23 Methyl acetate	43	2.705	2.703	0.002	100	298131	100.0	100.6	
25 Acetonitrile	41	2.775	2.773	0.002	99	109820	200.0	251.1	
27 Methylene Chloride	84	2.840	2.838	0.002	65	93076	20.0	19.8	
* 26 TBA-d9 (IS)	65	2.840	2.844	-0.004	92	298404	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.928	2.932	-0.004	99	70446	200.0	225.1	
29 Methyl tert-butyl ether	73	3.046	3.044	0.002	97	243441	20.0	19.0	
30 trans-1,2-Dichloroethene	96	3.075	3.073	0.002	96	88347	20.0	19.4	
31 Acrylonitrile	53	3.181	3.185	-0.004	99	308734	200.0	239.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	3.269	3.273	-0.004	90	69507	20.0	22.4	
33 Isopropyl ether	45	3.545	3.549	-0.004	95	283425	20.0	20.9	
34 1,1-Dichloroethane	63	3.586	3.584	0.002	99	161827	20.0	19.3	
35 Vinyl acetate	43	3.610	3.608	0.002	100	336859	40.0	50.5	
36 2-Chloro-1,3-butadiene	88	3.639	3.637	0.002	91	83212	20.0	21.7	
37 Tert-butyl ethyl ether	59	3.939	3.937	0.002	88	279207	20.0	19.9	
39 2,2-Dichloropropane	79	4.191	4.189	0.002	88	41547	20.0	20.2	
* 38 2-Butanone-d5	46	4.191	4.189	0.002	99	378474	250.0	250.0	
40 cis-1,2-Dichloroethene	96	4.226	4.224	0.002	97	98232	20.0	19.4	
41 2-Butanone (MEK)	72	4.256	4.260	-0.004	96	45719	100.0	104.9	
42 Ethyl acetate	70	4.262	4.260	0.002	96	19017	40.0	39.5	
43 Methyl acrylate	55	4.320	4.324	-0.004	99	70997	20.0	18.2	
44 Propionitrile	54	4.426	4.424	0.002	98	116809	200.0	243.1	
45 Tetrahydrofuran	72	4.497	4.495	0.002	65	19964	40.0	40.5	
46 Chlorobromomethane	128	4.497	4.501	-0.004	93	45469	20.0	18.6	
47 Methacrylonitrile	67	4.544	4.542	0.002	93	352252	200.0	205.0	
48 Chloroform	83	4.567	4.565	0.002	99	154886	20.0	19.8	
49 Cyclohexane	56	4.702	4.700	0.002	92	118839	20.0	20.7	
50 1,1,1-Trichloroethane	97	4.726	4.730	-0.004	98	128881	20.0	20.0	
$ 51 Dibromofluoromethane (Surr	113	4.755	4.759	-0.004	97	210161	50.0	46.5	
52 Carbon tetrachloride	117	4.867	4.865	0.002	97	105973	20.0	20.5	
53 1,1-Dichloropropene	75	4.914	4.912	0.002	97	122214	20.0	20.7	
54 Isobutyl alcohol	43	5.078	5.076	0.002	96	104076	500.0	637.2	
55 Isooctane	57	5.184	5.112	0.072	23	677	20.0	0.1091	7
56 Benzene	78	5.149	5.147	0.002	96	376163	20.0	20.7	
$ 57 1,2-Dichloroethane-d4 (Sur	65	5.172	5.176	-0.004	95	248560	50.0	46.3	
59 Tert-amyl methyl ether	73	5.225	5.223	0.002	91	260536	20.0	20.1	
58 Isopropyl acetate	43	5.231	5.229	0.002	97	245852	20.0	20.1	
60 1,2-Dichloroethane	62	5.266	5.264	0.002	97	118390	20.0	18.5	
61 n-Heptane	57	5.331	5.335	-0.004	93	36205	20.0	26.0	
* 62 Fluorobenzene	96	5.490	5.494	-0.004	98	958598	50.0	50.0	
63 n-Butanol	56	5.854	5.858	-0.004	89	49308	500.0	566.7	
64 Trichloroethene	95	5.895	5.893	0.002	98	95705	20.0	20.2	
66 Methylcyclohexane	83	6.036	6.034	0.002	85	91959	20.0	21.3	
65 Ethyl acrylate	55	6.048	6.052	-0.004	97	184642	20.0	23.0	
67 1,2-Dichloropropane	63	6.242	6.240	0.002	91	95411	20.0	20.5	
* 68 1,4-Dioxane-d8	96	6.301	6.299	0.001	93	40352	1000.0	1000.0	
69 Methyl methacrylate	100	6.330	6.328	0.002	90	50723	40.0	37.6	
70 1,4-Dioxane	88	6.371	6.363	0.008	83	18183	400.0	517.3	
72 Dibromomethane	93	6.383	6.387	-0.004	98	54945	20.0	19.0	
71 n-Propyl acetate	43	6.395	6.393	0.002	98	122315	20.0	20.2	
73 Dichlorobromomethane	83	6.559	6.557	0.002	99	118389	20.0	18.5	
74 2-Chloroethyl vinyl ether	63	6.947	6.939	0.008	45	7321	20.0	2.45	
75 2-Nitropropane	41	6.947	6.945	0.002	96	42868	40.0	30.9	
76 Epichlorohydrin	57	7.064	7.062	0.002	99	165985	400.0	428.1	
77 cis-1,3-Dichloropropene	75	7.123	7.121	0.002	94	154442	20.0	19.4	
78 4-Methyl-2-pentanone (MIBK	43	7.311	7.309	0.002	97	372879	100.0	106.9	
$ 79 Toluene-d8 (Surr)	98	7.393	7.391	0.002	99	949729	50.0	49.3	
80 Toluene	91	7.476	7.479	-0.003	94	398974	20.0	20.2	
81 trans-1,3-Dichloropropene	75	7.869	7.867	0.002	96	140549	20.0	19.4	
82 Ethyl methacrylate	69	7.899	7.897	0.002	88	107678	20.0	17.9	
83 1,1,2-Trichloroethane	83	8.104	8.108	-0.004	94	73677	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Tetrachloroethene	166	8.145	8.143	0.002	96	168118	20.0	40.2	
85 1,3-Dichloropropane	76	8.339	8.337	0.002	95	140967	20.0	20.3	
86 2-Hexanone	58	8.404	8.402	0.002	96	149355	100.0	101.8	
87 n-Butyl acetate	43	8.521	8.519	0.002	99	137407	20.0	20.7	
88 Chlorodibromomethane	129	8.586	8.584	0.002	98	89014	20.0	17.9	
89 Ethylene Dibromide	107	8.756	8.760	-0.004	98	83358	20.0	19.1	
* 90 Chlorobenzene-d5	117	9.326	9.324	0.002	86	743411	50.0	50.0	
91 Chlorobenzene	112	9.362	9.360	0.002	94	260427	20.0	20.2	
92 Ethylbenzene	106	9.450	9.448	0.002	99	130946	20.0	20.6	
93 1,1,1,2-Tetrachloroethane	131	9.462	9.465	-0.003	94	87779	20.0	19.0	
94 m-Xylene & p-Xylene	106	9.585	9.589	-0.004	97	162022	20.0	19.9	
95 n-Butyl acrylate	73	9.979	9.977	0.002	96	72786	20.0	19.3	
96 o-Xylene	106	10.002	10.000	0.002	90	164395	20.0	20.4	
97 Styrene	104	10.031	10.029	0.002	95	300893	20.0	20.7	
98 Amyl acetate (mixed isomer	43	10.190	10.188	0.002	91	165297	20.0	21.9	
99 Bromoform	173	10.231	10.229	0.002	97	52799	20.0	15.5	
100 Isopropylbenzene	105	10.331	10.329	0.002	96	362233	20.0	21.4	
$ 101 4-Bromofluorobenzene	174	10.513	10.511	0.002	90	301233	50.0	48.9	
102 Bromobenzene	156	10.631	10.629	0.002	99	112262	20.0	21.4	
103 1,1,2,2-Tetrachloroethane	83	10.660	10.658	0.002	97	111022	20.0	21.9	
104 N-Propylbenzene	91	10.684	10.682	0.002	99	395654	20.0	22.1	
105 1,2,3-Trichloropropane	110	10.701	10.705	-0.004	95	29521	20.0	19.5	
106 trans-1,4-Dichloro-2-buten	53	10.713	10.717	-0.004	92	30880	20.0	21.5	
107 4-Ethyltoluene	105	10.778	10.776	0.002	90	362868	20.0	22.4	
108 2-Chlorotoluene	91	10.778	10.776	0.002	96	320470	20.0	22.3	
109 1,3,5-Trimethylbenzene	105	10.825	10.829	-0.003	94	309875	20.0	22.0	
110 4-Chlorotoluene	91	10.866	10.870	-0.004	98	311168	20.0	22.5	
111 Butyl Methacrylate	87	10.895	10.893	0.002	93	134848	20.0	21.1	
112 tert-Butylbenzene	119	11.066	11.064	0.002	95	232385	20.0	22.6	
113 1,2,4-Trimethylbenzene	105	11.113	11.111	0.001	98	328358	20.0	21.9	
114 sec-Butylbenzene	105	11.224	11.222	0.002	99	309597	20.0	23.2	
115 4-Isopropyltoluene	119	11.318	11.322	-0.004	98	288707	20.0	22.9	
116 1,3-Dichlorobenzene	146	11.336	11.334	0.002	96	193260	20.0	21.6	
* 117 1,4-Dichlorobenzene-d4	152	11.383	11.387	-0.004	95	401719	50.0	50.0	
118 1,4-Dichlorobenzene	146	11.400	11.404	-0.004	95	199100	20.0	21.7	
119 Benzyl chloride	91	11.500	11.504	-0.004	99	218975	20.0	21.4	
120 2,3-Dihydroindene	117	11.547	11.551	-0.004	94	398084	20.0	22.8	
121 p-Diethylbenzene	119	11.577	11.581	-0.004	93	173660	20.0	22.3	
123 1,2-Dichlorobenzene	146	11.653	11.657	-0.004	95	189966	20.0	21.1	
124 1,2,4,5-Tetramethylbenzene	119	12.094	12.098	-0.004	97	285757	20.0	22.4	
125 1,2-Dibromo-3-Chloropropan	155	12.188	12.197	-0.009	95	15577	20.0	17.5	
126 1,3,5-Trichlorobenzene	180	12.282	12.286	-0.004	97	107553	20.0	21.3	
127 1,2,4-Trichlorobenzene	180	12.740	12.744	-0.004	94	98479	20.0	21.4	
128 Hexachlorobutadiene	225	12.805	12.809	-0.004	96	41146	20.0	22.8	
129 Naphthalene	128	12.946	12.950	-0.004	99	243079	20.0	21.1	
130 1,2,3-Trichlorobenzene	180	13.128	13.138	-0.010	95	78952	20.0	21.0	
S 131 1,2-Dichloroethene, Total	100				0		40.0	38.8	
S 132 Xylenes, Total	100				0		40.0	40.3	
S 133 Total BTEX	1				0		100.0	101.8	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

GASES Li_00167	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00042	Amount Added:	20.00	Units: uL	
ACROLEIN W_00053	Amount Added:	4.00	Units: uL	
8260ISNEW_00081	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00138	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 21-Aug-2016 05:55:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS8\20160819-44659.b\J44644.D

Injection Date: 20-Aug-2016 02:44:30 Instrument ID: CVOAMS8 Operator ID:

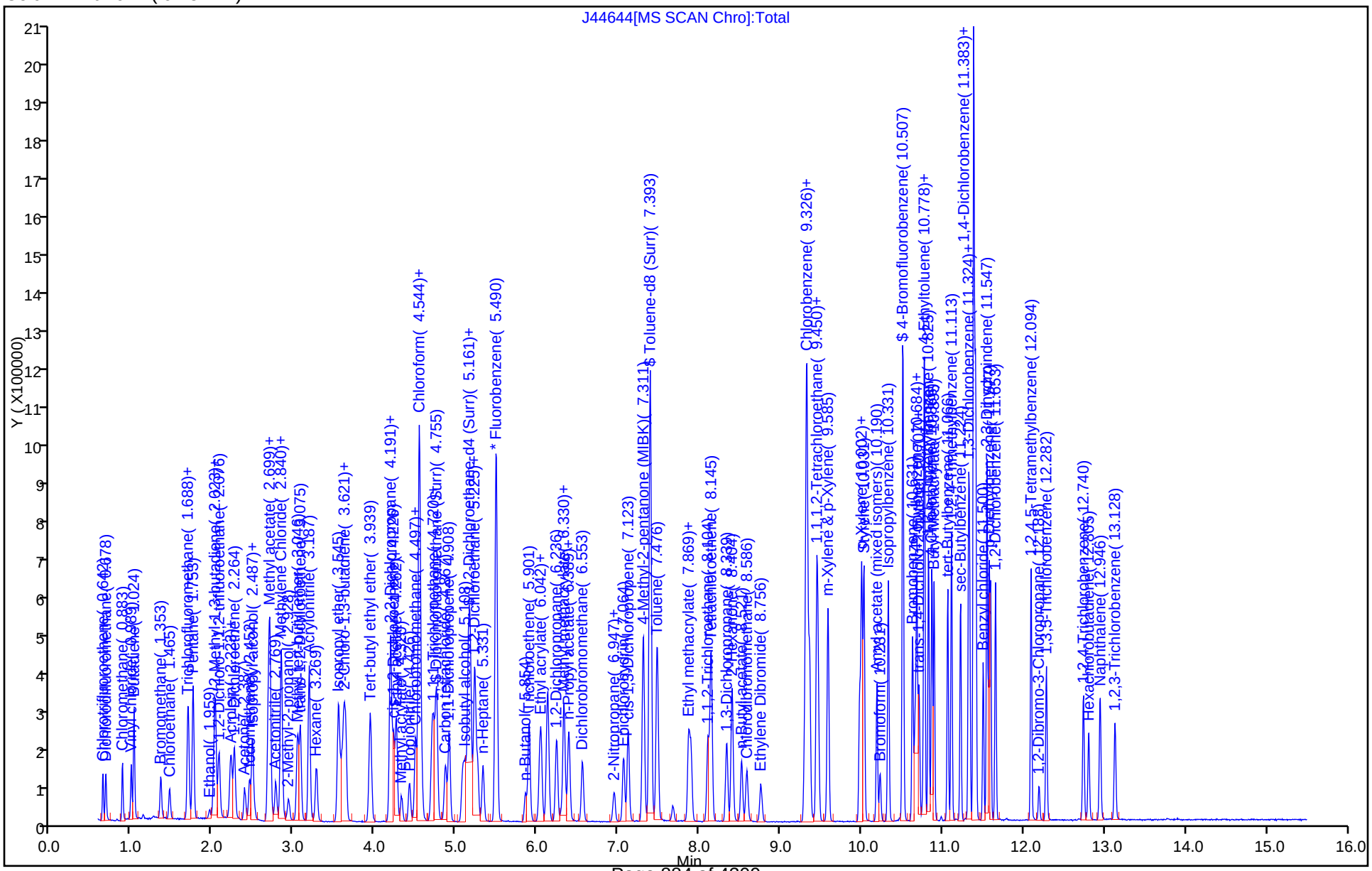
Lims ID: 460-118805-A-9 MSD Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 20.0000 ALS Bottle#: 13

Method: 8260_W8 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 08/18/2016 10:34

Analysis Batch Number: 385507 End Date: 08/18/2016 20:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-385507/1		08/18/2016 10:34	1	P16285.D	Rtx-624 0.25(mm)
STD8 460-385507/2 IC		08/18/2016 10:49	1	P16286.D	Rtx-624 0.25(mm)
STD05 460-385507/3 IC		08/18/2016 11:23	1	P16287.D	Rtx-624 0.25(mm)
STD1 460-385507/4 IC		08/18/2016 11:49	1	P16288.D	Rtx-624 0.25(mm)
STD20 460-385507/6 ICIS		08/18/2016 12:42	1	P16290.D	Rtx-624 0.25(mm)
STD50 460-385507/7 IC		08/18/2016 13:08	1	P16291.D	Rtx-624 0.25(mm)
STD200 460-385507/8 IC		08/18/2016 13:34	1	P16292.D	Rtx-624 0.25(mm)
STD500 460-385507/9 IC		08/18/2016 14:00	1	P16293.D	Rtx-624 0.25(mm)
STD5 460-385507/14 IC		08/18/2016 17:04	1	P16298.D	Rtx-624 0.25(mm)
ZZZZZ		08/18/2016 17:47	1		Rtx-624 0.25(mm)
ICV 460-385507/1015		08/18/2016 17:47	1		Rtx-624 0.25(mm)
ZZZZZ		08/18/2016 18:13	1		Rtx-624 0.25(mm)
ZZZZZ		08/18/2016 19:23	1		Rtx-624 0.25(mm)
ZZZZZ		08/18/2016 19:49	1		Rtx-624 0.25(mm)
ZZZZZ		08/18/2016 20:16	2		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 08/22/2016 08:05

Analysis Batch Number: 386008 End Date: 08/22/2016 19:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-386008/1		08/22/2016 08:05	1	P16393.D	Rtx-624 0.25(mm)
CCVIS 460-386008/2		08/22/2016 08:21	1	P16394.D	Rtx-624 0.25(mm)
LCS 460-386008/3		08/22/2016 08:56	1	P16395.D	Rtx-624 0.25(mm)
LCSD 460-386008/4		08/22/2016 09:22	1	P16396.D	Rtx-624 0.25(mm)
MB 460-386008/7		08/22/2016 10:41	1	P16399.D	Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 11:07	10		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 11:33	1		Rtx-624 0.25(mm)
460-118926-8		08/22/2016 12:00	1	P16402.D	Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 12:26	1		Rtx-624 0.25(mm)
460-118926-9		08/22/2016 13:18	1	P16405.D	Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 13:44	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 14:11	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 14:37	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 15:03	2		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 15:55	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 16:21	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 16:47	10		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 17:14	10		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 17:40	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 18:06	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 18:32	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 18:58	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 19:24	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 19:50	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS4 Start Date: 08/18/2016 01:03

Analysis Batch Number: 385437 End Date: 08/18/2016 07:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-385437/1		08/18/2016 01:03	1	D25058.D	Rtx-624 0.25(mm)
STD5 460-385437/3 IC		08/18/2016 01:53	1	D25060.D	Rtx-624 0.25(mm)
STD20 460-385437/4 ICIS		08/18/2016 02:18	1	D25061.D	Rtx-624 0.25(mm)
STD50 460-385437/5 IC		08/18/2016 02:42	1	D25062.D	Rtx-624 0.25(mm)
STD200 460-385437/6 IC		08/18/2016 03:06	1	D25063.D	Rtx-624 0.25(mm)
STD500 460-385437/7 IC		08/18/2016 03:31	1	D25064.D	Rtx-624 0.25(mm)
STD1 460-385437/11 IC		08/18/2016 06:20	1	D25068b.D	Rtx-624 0.25(mm)
ICV 460-385437/14		08/18/2016 07:47	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS4 Start Date: 08/21/2016 05:25

Analysis Batch Number: 385950 End Date: 08/21/2016 16:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-385950/1		08/21/2016 05:25	1	D25134.D	Rtx-624 0.25(mm)
CCVIS 460-385950/2		08/21/2016 06:17	1	D25135a.D	Rtx-624 0.25(mm)
LCS 460-385950/3		08/21/2016 06:41	1	D25136.D	Rtx-624 0.25(mm)
LCSD 460-385950/4		08/21/2016 07:06	1	D25137.D	Rtx-624 0.25(mm)
MB 460-385950/7		08/21/2016 08:48	1	D25140.D	Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 09:15	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 09:40	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 10:04	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 10:29	1		Rtx-624 0.25(mm)
460-118857-3		08/21/2016 12:07	1	D25148.D	Rtx-624 0.25(mm)
460-118857-4		08/21/2016 12:31	1	D25149.D	Rtx-624 0.25(mm)
460-118857-7		08/21/2016 13:20	1	D25151.D	Rtx-624 0.25(mm)
460-118857-8		08/21/2016 13:45	1	D25152.D	Rtx-624 0.25(mm)
460-118857-9		08/21/2016 14:10	1	D25153.D	Rtx-624 0.25(mm)
460-118857-10		08/21/2016 14:35	1	D25154.D	Rtx-624 0.25(mm)
460-118857-11		08/21/2016 14:59	1	D25155.D	Rtx-624 0.25(mm)
460-118857-12		08/21/2016 15:24	1	D25156.D	Rtx-624 0.25(mm)
460-118857-13		08/21/2016 15:49	1	D25157.D	Rtx-624 0.25(mm)
460-118857-14		08/21/2016 16:13	1	D25158.D	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS4 Start Date: 08/22/2016 09:59

Analysis Batch Number: 386039 End Date: 08/22/2016 20:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-386039/1		08/22/2016 09:59	1	D25160.D	Rtx-624 0.25(mm)
CCVIS 460-386039/3		08/22/2016 10:58	1	D25162.D	Rtx-624 0.25(mm)
LCS 460-386039/4		08/22/2016 11:24	1	D25163.D	Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 11:49	1		Rtx-624 0.25(mm)
MB 460-386039/8		08/22/2016 13:01	1	D25167.D	Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 13:25	1		Rtx-624 0.25(mm)
460-118857-6		08/22/2016 13:50	1	D25169.D	Rtx-624 0.25(mm)
460-118857-5		08/22/2016 14:15	1	D25170.D	Rtx-624 0.25(mm)
460-118857-2		08/22/2016 14:39	1	D25171.D	Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 15:04	1		Rtx-624 0.25(mm)
460-118857-5 MS		08/22/2016 15:28	1	D25173.D	Rtx-624 0.25(mm)
460-118857-5 MSD		08/22/2016 15:52	1	D25174.D	Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 17:04	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 17:29	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 17:53	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 18:17	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 18:42	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 19:06	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 19:30	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 19:54	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 20:18	1		Rtx-624 0.25(mm)
ZZZZZ		08/22/2016 20:43	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS4 Start Date: 08/23/2016 10:32

Analysis Batch Number: 386262 End Date: 08/23/2016 19:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-386262/1		08/23/2016 10:32	1	D25187a.D	Rtx-624 0.25(mm)
CCVIS 460-386262/3		08/23/2016 11:34	1	D25189.D	Rtx-624 0.25(mm)
LCS 460-386262/4		08/23/2016 12:10	1	D25190.D	Rtx-624 0.25(mm)
LCSD 460-386262/5		08/23/2016 12:35	1	D25191.D	Rtx-624 0.25(mm)
MB 460-386262/8		08/23/2016 13:48	1	D25194.D	Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 14:12	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 14:37	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 15:02	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 15:26	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 15:51	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 16:40	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 17:05	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 17:29	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 17:54	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 18:19	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 18:44	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 19:08	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2016 19:33	1		Rtx-624 0.25(mm)
460-118857-1		08/23/2016 19:57	1	D25209.D	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS8 Start Date: 08/10/2016 20:50

Analysis Batch Number: 384133 End Date: 08/11/2016 03:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-384133/1		08/10/2016 20:50	1	J44241.D	Rtx-624 0.25(mm)
STD7 460-384133/2 IC		08/10/2016 21:16	1	J44242.D	Rtx-624 0.25(mm)
STD1 460-384133/3 IC		08/10/2016 21:54	1	J44243.D	Rtx-624 0.25(mm)
STD20 460-384133/5 ICIS		08/10/2016 22:46	1	J44245.D	Rtx-624 0.25(mm)
STD50 460-384133/6 IC		08/10/2016 23:12	1	J44246.D	Rtx-624 0.25(mm)
STD200 460-384133/7 IC		08/10/2016 23:38	1	J44247.D	Rtx-624 0.25(mm)
STD500 460-384133/8 IC		08/11/2016 00:03	1	J44248.D	Rtx-624 0.25(mm)
STD5 460-384133/15 IC		08/11/2016 03:05	1	J44255.D	Rtx-624 0.25(mm)
ICV 460-384133/17		08/11/2016 03:56	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS8 Start Date: 08/19/2016 21:01

Analysis Batch Number: 385824 End Date: 08/20/2016 08:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-385824/1		08/19/2016 21:01	1	J44631.D	Rtx-624 0.25(mm)
CCVIS 460-385824/2		08/19/2016 21:32	1	J44632.D	Rtx-624 0.25(mm)
LCS 460-385824/3		08/19/2016 22:00	1	J44633.D	Rtx-624 0.25(mm)
MB 460-385824/7		08/19/2016 23:44	1	J44637.D	Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 00:09	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 00:35	2		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 01:01	2		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 01:27	20		Rtx-624 0.25(mm)
460-118805-A-9 MS		08/20/2016 02:19	20	J44643.D	Rtx-624 0.25(mm)
460-118805-A-9 MSD		08/20/2016 02:44	20	J44644.D	Rtx-624 0.25(mm)
460-118857-15		08/20/2016 04:02	1	J44647.D	Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 04:28	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 04:53	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 05:19	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 05:45	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 06:11	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 06:37	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 07:03	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 07:28	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 07:54	1		Rtx-624 0.25(mm)
ZZZZZ		08/20/2016 08:20	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS9 Start Date: 07/26/2016 22:49

Analysis Batch Number: 381235 End Date: 07/27/2016 09:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-381235/1		07/26/2016 22:49	1	K56078.D	Rtx-624 0.25(mm)
STD1 460-381235/3 IC		07/26/2016 23:50	1	K56080.D	Rtx-624 0.25(mm)
STD5 460-381235/4 IC		07/27/2016 00:16	1	K56081.D	Rtx-624 0.25(mm)
STD20 460-381235/5 ICIS		07/27/2016 00:42	1	K56082.D	Rtx-624 0.25(mm)
STD50 460-381235/6 IC		07/27/2016 01:08	1	K56083.D	Rtx-624 0.25(mm)
STD200 460-381235/7 IC		07/27/2016 01:52	1	K56084.D	Rtx-624 0.25(mm)
STD500 460-381235/8 IC		07/27/2016 02:17	1	K56085.D	Rtx-624 0.25(mm)
ICV 460-381235/13		07/27/2016 09:52	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CVOAMS9 Start Date: 08/21/2016 05:21

Analysis Batch Number: 385947 End Date: 08/21/2016 17:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-385947/1		08/21/2016 05:21	1	K56987.D	Rtx-624 0.25(mm)
CCVIS 460-385947/2		08/21/2016 05:50	1	K56988.D	Rtx-624 0.25(mm)
LCS 460-385947/3		08/21/2016 06:16	1	K56989.D	Rtx-624 0.25(mm)
LCSD 460-385947/4		08/21/2016 06:41	1	K56990.D	Rtx-624 0.25(mm)
MB 460-385947/7		08/21/2016 09:32	1	K56993.D	Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 10:00	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 10:25	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 10:51	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 11:17	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 11:43	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 12:09	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 12:35	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 13:00	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 13:26	1		Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 13:52	1		Rtx-624 0.25(mm)
460-118926-1		08/21/2016 14:18	1	K57004.D	Rtx-624 0.25(mm)
460-118926-2		08/21/2016 14:44	1	K57005.D	Rtx-624 0.25(mm)
460-118926-3		08/21/2016 15:10	1	K57006.D	Rtx-624 0.25(mm)
460-118926-4		08/21/2016 15:35	1	K57007.D	Rtx-624 0.25(mm)
460-118926-5		08/21/2016 16:01	1	K57008.D	Rtx-624 0.25(mm)
460-118926-6		08/21/2016 16:27	1	K57009.D	Rtx-624 0.25(mm)
460-118926-7		08/21/2016 16:53	1	K57010.D	Rtx-624 0.25(mm)
ZZZZZ		08/21/2016 17:18	1		Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385643 Batch Start Date: 08/18/16 22:13 Batch Analyst: Malata, Andrew V

Batch Method: 5035 Batch End Date: 08/18/16 22:19

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
460-118857-B-1	SB-10 (2-4) 08182016	5035, 8260C	T	+030.054 g	35.85 g	5.796 g	5 mL		
460-118857-B-2	SB-10 (13-15) 08182016	5035, 8260C	T	+030.177 g	36.03 g	5.853 g	5 mL		
460-118857-B-3	SB-9 (2-4) 08182016	5035, 8260C	T	+030.127 g	35.64 g	5.513 g	5 mL		
460-118857-B-4	SB-9 (12-14) 08182016	5035, 8260C	T	+030.364 g	35.98 g	5.616 g	5 mL		
460-118857-B-5	SB-8 (2-4) 08182016	5035, 8260C	T	+030.093 g	36.90 g	6.807 g	5 mL		
460-118857-B-5 MS	SB-8 (2-4) 08182016	5035, 8260C	T	+030.221 g	36.03 g	5.809 g	5 mL		
460-118857-B-5 MSD	SB-8 (2-4) 08182016	5035, 8260C	T	+029.884 g	35.87 g	5.986 g	5 mL		
460-118857-C-6	SB-8 (13-15) 08182016	5035, 8260C	T	+030.021 g	36.34 g	6.319 g	5 mL		
460-118857-B-7	SB-4 (3-5) 08182016	5035, 8260C	T	+029.979 g	36.63 g	6.651 g	5 mL		
460-118857-B-8	SB-4 (11-13) 08182016	5035, 8260C	T	+030.448 g	36.41 g	5.962 g	5 mL		
460-118857-B-9	SB-6 (2-4) 08182016	5035, 8260C	T	+030.288 g	36.34 g	6.052 g	5 mL		
460-118857-B-10	SB-6 (13-15) 08182016	5035, 8260C	T	+030.428 g	36.38 g	5.952 g	5 mL		
460-118857-B-11	SB-5 (2-4) 08182016	5035, 8260C	T	+030.070 g	35.75 g	5.68 g	5 mL		
460-118857-B-12	SB-5 (13-15) 08182016	5035, 8260C	T	+030.351 g	36.87 g	6.519 g	5 mL		
460-118857-B-13	SB-7 (2-4) 08182016	5035, 8260C	T	+030.011 g	36.43 g	6.419 g	5 mL		
460-118857-B-14	SB-7 (13-15) 08182016	5035, 8260C	T	+030.889 g	37.27 g	6.381 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385848 Batch Start Date: 08/19/16 19:44 Batch Analyst: Malata, Andrew V

Batch Method: 5035 Batch End Date: 08/19/16 19:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
460-118926-B-1	SB-1(2-4) -08192016	5035, 8260C	T	+030.054 g	36.16 g	6.106 g	5 mL		
460-118926-B-2	SB-1(12-14) -08192016	5035, 8260C	T	+030.304 g	35.95 g	5.646 g	5 mL		
460-118926-B-3	SB-2(2-4)08192016	5035, 8260C	T	+030.218 g	36.73 g	6.512 g	5 mL		
460-118926-B-4	SB-2(10-12)08192016	5035, 8260C	T	+030.080 g	36.53 g	6.45 g	5 mL		
460-118926-B-5	SB-3(2-4)08192016	5035, 8260C	T	+030.391 g	36.51 g	6.119 g	5 mL		
460-118926-B-6	SB-3(13-15)08192016	5035, 8260C	T	+030.233 g	36.77 g	6.537 g	5 mL		
460-118926-B-7	SB-X08192016	5035, 8260C	T	+030.164 g	36.33 g	6.166 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8270D

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHL #
SB-10 (2-4) 08182016	460-118857-1	74	86	84
SB-10 (13-15) 08182016	460-118857-2	70	77	82
SB-9 (2-4) 08182016	460-118857-3	74	83	78
SB-9 (12-14) 08182016	460-118857-4	73	83	83
SB-8 (2-4) 08182016	460-118857-5	77	86	90
SB-8 (13-15) 08182016	460-118857-6	69	78	79
SB-4 (3-5) 08182016	460-118857-7	80	87	98
SB-4 (11-13) 08182016	460-118857-8	76	90	76
SB-6 (2-4) 08182016	460-118857-9	72	84	77
SB-6 (13-15) 08182016	460-118857-10	81	90	89
SB-5 (2-4) 08182016	460-118857-11	68	77	73
SB-5 (13-15) 08182016	460-118857-12	74	88	89
SB-7 (2-4) 08182016	460-118857-13	69	75	79
SB-7 (13-15) 08182016	460-118857-14	68	76	79
SB-1(2-4)-08192016	460-118926-1	69	77	80
SB-1(12-14) -08192016	460-118926-2	73	79	87
SB-2(2-4)08192016	460-118926-3	61	68	72
SB-2(10-12)08192016	460-118926-4	68	70	70
SB-3(2-4)08192016	460-118926-5	72	77	72
SB-3(13-15)08192016	460-118926-6	69	74	80
SB-X08192016	460-118926-7	70	79	83
	MB 460-385919/1-A	83	86	102
	MB 460-386078/1-A	78	81	88
	LCS 460-385919/2-A	87	97 *	94
	LCS 460-386078/2-A	86	95	97

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	37-94
FBP = 2-Fluorobiphenyl	38-95
TPHL = Terphenyl-d14 (Surr)	24-109

Column to be used to flag recovery values

FORM II 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHL #
	LCS 460-386078/3-A	76	81	84
SB-8 (2-4) 08182016 MS	460-118857-5 MS	75	87	79
	460-118952-G-5-F MS	78	87	89
SB-8 (2-4) 08182016 MSD	460-118857-5 MSD	79	91	82
	460-118952-F-5-B MSD	76	83	84

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	37-94
FBP = 2-Fluorobiphenyl	38-95
TPHL = Terphenyl-d14 (Surr)	24-109

Column to be used to flag recovery values

FORM II 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHL #
FB08192016	460-118926-8	88	80	106
	MB 460-385924/1-A	96	85	117
	LCS 460-385924/2-A	87	77	92
	LCSD 460-385924/3-A	84	81	91

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	51-108
FBP = 2-Fluorobiphenyl	45-107
TPHL = Terphenyl-d14 (Surr)	40-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: z41811362.D

Lab ID: LCS 460-385919/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3330	3140	94	62-104	
1,2-Dichlorobenzene	3330	2910	87	64-98	
1,3-Dichlorobenzene	3330	2830	85	62-96	
1,4-Dichlorobenzene	3330	2880	86	63-97	
2,2'-oxybis[1-chloropropane]	3330	2770	83	39-122	
2,4-Dinitrotoluene	3330	3360	101	66-122	
2,6-Dinitrotoluene	3330	3220	97	70-114	
2-Chloronaphthalene	3330	3110	93	63-107	
2-Methylnaphthalene	3330	3190	96	65-104	
2-Nitroaniline	3330	2220	67	57-114	
3,3'-Dichlorobenzidine	3330	2100	63	18-88	
3-Nitroaniline	3330	2280	69	30-94	
4-Bromophenyl phenyl ether	3330	3160	95	59-122	
4-Chloroaniline	3330	2400	72	18-94	
4-Chlorophenyl phenyl ether	3330	3300	99	66-110	
4-Nitroaniline	3330	2770	83	49-118	
Acenaphthene	3330	3230	97	62-108	
Acenaphthylene	3330	3130	94	67-107	
Anthracene	3330	3300	99	69-111	
Benzo[a]anthracene	3330	3350	100	68-110	
Benzo[a]pyrene	3330	3420	102	72-115	
Benzo[b]fluoranthene	3330	3550	106	69-119	
Benzo[g,h,i]perylene	3330	3150	95	54-128	
Benzo[k]fluoranthene	3330	3340	100	70-115	
Bis(2-chloroethoxy)methane	3330	2950	89	65-106	
Bis(2-chloroethyl)ether	3330	2870	86	64-105	
Bis(2-ethylhexyl) phthalate	3330	3410	102	63-125	
Butyl benzyl phthalate	3330	3260	98	65-125	
Carbazole	3330	3180	95	66-115	
Chrysene	3330	3250	97	70-111	
Dibenz(a,h)anthracene	3330	3430	103	60-130	
Dibenzofuran	3330	3200	96	67-107	
Diethyl phthalate	3330	3310	99	66-117	
Dimethyl phthalate	3330	3340	100	68-112	
Di-n-butyl phthalate	3330	3350	100	67-119	
Di-n-octyl phthalate	3330	3610	108	57-138	
Fluoranthene	3330	3350	100	64-114	
Fluorene	3330	3290	99	66-110	
Hexachlorobenzene	3330	3400	102	57-128	
Hexachlorobutadiene	3330	3230	97	60-108	
Hexachlorocyclopentadiene	3330	2650	80	50-129	
Hexachloroethane	3330	2830	85	63-99	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: z41811362.D

Lab ID: LCS 460-385919/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	3330	3480	104	53-137	
Isophorone	3330	3060	92	68-111	
Naphthalene	3330	3070	92	65-102	
Nitrobenzene	3330	3120	94	66-108	
N-Nitrosodi-n-propylamine	3330	3070	92	63-117	
N-Nitrosodiphenylamine	3330	3180	95	65-114	
Phenanthrene	3330	3310	99	68-111	
Pyrene	3330	3220	97	64-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M231679.D

Lab ID: LCS 460-385924/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	80.0	52.3	65	43-98	
1,2-Dichlorobenzene	80.0	53.6	67	42-95	
1,3-Dichlorobenzene	80.0	45.9	57	40-92	
1,4-Dichlorobenzene	80.0	48.6	61	42-94	
2,2'-oxybis[1-chloropropane]	80.0	66.3	83	50-108	
2,4-Dinitrotoluene	80.0	81.2	102	70-123	
2,6-Dinitrotoluene	80.0	73.1	91	68-121	
2-Chloronaphthalene	80.0	51.6	65	54-105	
2-Methylnaphthalene	80.0	53.8	67	47-104	
2-Nitroaniline	80.0	70.1	88	46-124	
3,3'-Dichlorobenzidine	80.0	80.2	100	68-123	
3-Nitroaniline	80.0	76.8	96	60-117	
4-Bromophenyl phenyl ether	80.0	70.7	88	57-126	
4-Chloroaniline	80.0	75.6	94	51-108	
4-Chlorophenyl phenyl ether	80.0	70.1	88	60-114	
4-Nitroaniline	80.0	71.8	90	48-135	
Acenaphthene	80.0	55.5	69	58-107	
Acenaphthylene	80.0	60.9	76	61-106	
Anthracene	80.0	78.1	98	70-118	
Benzo[a]anthracene	80.0	84.9	106	73-119	
Benzo[a]pyrene	80.0	79.4	99	76-125	
Benzo[b]fluoranthene	80.0	76.4	95	78-123	
Benzo[g,h,i]perylene	80.0	77.2	97	63-133	
Benzo[k]fluoranthene	80.0	80.6	101	71-126	
Bis(2-chloroethoxy)methane	80.0	75.1	94	67-104	
Bis(2-chloroethyl)ether	80.0	61.6	77	63-106	
Bis(2-ethylhexyl) phthalate	80.0	81.4	102	63-135	
Butyl benzyl phthalate	80.0	87.1	109	66-129	
Carbazole	80.0	83.1	104	68-121	
Chrysene	80.0	83.1	104	73-121	
Dibenz(a,h)anthracene	80.0	90.6	113	59-136	
Dibenzofuran	80.0	63.3	79	67-108	
Diethyl phthalate	80.0	77.7	97	61-129	
Dimethyl phthalate	80.0	78.5	98	65-121	
Di-n-butyl phthalate	80.0	84.0	105	64-130	
Di-n-octyl phthalate	80.0	83.5	104	64-131	
Fluoranthene	80.0	87.9	110	66-123	
Fluorene	80.0	70.2	88	67-112	
Hexachlorobenzene	80.0	78.3	98	63-125	
Hexachlorobutadiene	80.0	48.3	60	34-99	
Hexachlorocyclopentadiene	80.0	34.7	43	18-99	
Hexachloroethane	80.0	56.6	71	39-92	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M231679.D

Lab ID: LCS 460-385924/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	80.0	82.8	104	57-142	
Isophorone	80.0	76.8	96	55-105	
Naphthalene	80.0	53.2	67	51-98	
Nitrobenzene	80.0	74.8	94	56-106	
N-Nitrosodi-n-propylamine	80.0	82.8	104	48-118	
N-Nitrosodiphenylamine	80.0	76.5	96	69-118	
Phenanthrene	80.0	79.1	99	70-117	
Pyrene	80.0	78.0	98	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: x17353.D

Lab ID: LCS 460-386078/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3330	2990	90	62-104	
1,2-Dichlorobenzene	3330	2870	86	64-98	
1,3-Dichlorobenzene	3330	2780	84	62-96	
1,4-Dichlorobenzene	3330	2810	84	63-97	
2,2'-oxybis[1-chloropropane]	3330	2710	81	39-122	
2,4-Dinitrotoluene	3330	3370	101	66-122	
2,6-Dinitrotoluene	3330	3320	100	70-114	
2-Chloronaphthalene	3330	3070	92	63-107	
2-Methylnaphthalene	3330	3000	90	65-104	
2-Nitroaniline	3330	2810	84	57-114	
3,3'-Dichlorobenzidine	3330	1980	59	18-88	
3-Nitroaniline	3330	1670	50	30-94	
4-Bromophenyl phenyl ether	3330	3220	97	59-122	
4-Chloroaniline	3330	1410	42	18-94	
4-Chlorophenyl phenyl ether	3330	3100	93	66-110	
4-Nitroaniline	3330	2880	86	49-118	
Acenaphthene	3330	2920	88	62-108	
Acenaphthylene	3330	3090	93	67-107	
Anthracene	3330	3170	95	69-111	
Benzo[a]anthracene	3330	3280	99	68-110	
Benzo[a]pyrene	3330	3570	107	72-115	
Benzo[b]fluoranthene	3330	3560	107	69-119	
Benzo[g,h,i]perylene	3330	3550	107	54-128	
Benzo[k]fluoranthene	3330	3200	96	70-115	
Bis(2-chloroethoxy)methane	3330	2970	89	65-106	
Bis(2-chloroethyl)ether	3330	3050	91	64-105	
Bis(2-ethylhexyl) phthalate	3330	3280	98	63-125	
Butyl benzyl phthalate	3330	3210	96	65-125	
Carbazole	3330	3170	95	66-115	
Chrysene	3330	3260	98	70-111	
Dibenz(a,h)anthracene	3330	3270	98	60-130	
Dibenzofuran	3330	3070	92	67-107	
Diethyl phthalate	3330	3110	93	66-117	
Dimethyl phthalate	3330	3150	95	68-112	
Di-n-butyl phthalate	3330	3190	96	67-119	
Di-n-octyl phthalate	3330	3360	101	57-138	
Fluoranthene	3330	3200	96	64-114	
Fluorene	3330	3050	92	66-110	
Hexachlorobenzene	3330	3550	106	57-128	
Hexachlorobutadiene	3330	3010	90	60-108	
Hexachlorocyclopentadiene	3330	3130	94	50-129	
Hexachloroethane	3330	2710	81	63-99	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: x17353.D

Lab ID: LCS 460-386078/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	3330	3290	99	53-137	
Isophorone	3330	2960	89	68-111	
Naphthalene	3330	2950	88	65-102	
Nitrobenzene	3330	2820	85	66-108	
N-Nitrosodi-n-propylamine	3330	2970	89	63-117	
N-Nitrosodiphenylamine	3330	3210	96	65-114	
Phenanthrene	3330	3180	95	68-111	
Pyrene	3330	3240	97	64-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M231660.D

Lab ID: LCSD 460-385924/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	80.0	46.3	58	12	30	43-98	
1,2-Dichlorobenzene	80.0	47.7	60	12	30	42-95	
1,3-Dichlorobenzene	80.0	45.3	57	1	30	40-92	
1,4-Dichlorobenzene	80.0	44.7	56	8	30	42-94	
2,2'-oxybis[1-chloropropane]	80.0	64.3	80	3	30	50-108	
2,4-Dinitrotoluene	80.0	87.0	109	7	30	70-123	
2,6-Dinitrotoluene	80.0	71.3	89	3	30	68-121	
2-Chloronaphthalene	80.0	54.8	69	6	30	54-105	
2-Methylnaphthalene	80.0	54.3	68	1	30	47-104	
2-Nitroaniline	80.0	69.1	86	1	30	46-124	
3,3'-Dichlorobenzidine	80.0	84.9	106	6	30	68-123	
3-Nitroaniline	80.0	74.3	93	3	30	60-117	
4-Bromophenyl phenyl ether	80.0	77.5	97	9	30	57-126	
4-Chloroaniline	80.0	70.3	88	7	30	51-108	
4-Chlorophenyl phenyl ether	80.0	71.3	89	2	30	60-114	
4-Nitroaniline	80.0	68.6	86	4	30	48-135	
Acenaphthene	80.0	61.7	77	11	30	58-107	
Acenaphthylene	80.0	62.4	78	2	30	61-106	
Anthracene	80.0	80.0	100	2	30	70-118	
Benzo[a]anthracene	80.0	83.1	104	2	30	73-119	
Benzo[a]pyrene	80.0	74.2	93	7	30	76-125	
Benzo[b]fluoranthene	80.0	73.6	92	4	30	78-123	
Benzo[g,h,i]perylene	80.0	76.1	95	1	30	63-133	
Benzo[k]fluoranthene	80.0	77.3	97	4	30	71-126	
Bis(2-chloroethoxy)methane	80.0	75.7	95	1	30	67-104	
Bis(2-chloroethyl)ether	80.0	61.7	77	0	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	82.4	103	1	30	63-135	
Butyl benzyl phthalate	80.0	84.0	105	4	30	66-129	
Carbazole	80.0	86.1	108	4	30	68-121	
Chrysene	80.0	80.9	101	3	30	73-121	
Dibenz(a,h)anthracene	80.0	87.6	110	3	30	59-136	
Dibenzofuran	80.0	65.1	81	3	30	67-108	
Diethyl phthalate	80.0	72.5	91	7	30	61-129	
Dimethyl phthalate	80.0	78.8	98	0	30	65-121	
Di-n-butyl phthalate	80.0	83.4	104	1	30	64-130	
Di-n-octyl phthalate	80.0	78.1	98	7	30	64-131	
Fluoranthene	80.0	84.4	106	4	30	66-123	
Fluorene	80.0	71.9	90	2	30	67-112	
Hexachlorobenzene	80.0	76.0	95	3	30	63-125	
Hexachlorobutadiene	80.0	43.2	54	11	30	34-99	
Hexachlorocyclopentadiene	80.0	34.0	42	2	30	18-99	
Hexachloroethane	80.0	44.5	56	24	30	39-92	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M231660.D

Lab ID: LCSD 460-385924/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	80.0	81.5	102	2	30	57-142	
Isophorone	80.0	73.1	91	5	30	55-105	
Naphthalene	80.0	52.7	66	1	30	51-98	
Nitrobenzene	80.0	74.8	93	0	30	56-106	
N-Nitrosodi-n-propylamine	80.0	79.2	99	4	30	48-118	
N-Nitrosodiphenylamine	80.0	76.4	95	0	30	69-118	
Phenanthrene	80.0	78.9	99	0	30	70-117	
Pyrene	80.0	82.3	103	5	30	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: z41811371.D

Lab ID: 460-118857-5 MS Client ID: SB-8 (2-4) 08182016 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3500	35 U	2760	79	62-104	
1,2-Dichlorobenzene	3500	350 U	2620	75	64-98	
1,3-Dichlorobenzene	3500	350 U	2570	73	62-96	
1,4-Dichlorobenzene	3500	350 U	2560	73	63-97	
2,2'-oxybis[1-chloropropane]	3500	350 U	2460	70	39-122	
2,4-Dinitrotoluene	3500	70 U	3330	95	66-122	
2,6-Dinitrotoluene	3500	70 U	3120	89	70-114	
2-Chloronaphthalene	3500	350 U	2890	82	63-107	
2-Methylnaphthalene	3500	21 J	2840	81	65-104	
2-Nitroaniline	3500	350 U	2160	62	57-114	
3,3'-Dichlorobenzidine	3500	140 U	391	11	18-88	*
3-Nitroaniline	3500	350 U	1860	53	30-94	
4-Bromophenyl phenyl ether	3500	350 U	3020	86	59-122	
4-Chloroaniline	3500	350 U	293 J	8	18-94	*
4-Chlorophenyl phenyl ether	3500	350 U	3030	87	66-110	
4-Nitroaniline	3500	350 U	1970	56	49-118	
Acenaphthene	3500	350 U	2970	85	62-108	
Acenaphthylene	3500	11 J	2840	81	67-107	
Anthracene	3500	350 U	2990	85	69-111	
Benzo[a]anthracene	3500	140	3080	84	68-110	
Benzo[a]pyrene	3500	120	3010	83	72-115	
Benzo[b]fluoranthene	3500	150	2920	79	69-119	
Benzo[g,h,i]perylene	3500	96 J	3210	89	54-128	
Benzo[k]fluoranthene	3500	69	3010	84	70-115	
Bis(2-chloroethoxy)methane	3500	350 U	2660	76	65-106	
Bis(2-chloroethyl)ether	3500	35 U	2560	73	64-105	
Bis(2-ethylhexyl) phthalate	3500	42 J	3210	91	63-125	
Butyl benzyl phthalate	3500	350 U	3130	90	65-125	
Carbazole	3500	350 U	2880	82	66-115	
Chrysene	3500	160 J	3000	81	70-111	
Dibenz(a,h)anthracene	3500	27 J	3590	102	60-130	
Dibenzofuran	3500	350 U	2940	84	67-107	
Diethyl phthalate	3500	350 U	3330	95	66-117	
Dimethyl phthalate	3500	350 U	3380	97	68-112	
Di-n-butyl phthalate	3500	23 J	3390	96	67-119	
Di-n-octyl phthalate	3500	350 U	3000	86	57-138	
Fluoranthene	3500	260 J	3100	81	64-114	
Fluorene	3500	350 U	3000	86	66-110	
Hexachlorobenzene	3500	35 U	3140	90	57-128	
Hexachlorobutadiene	3500	70 U	2860	82	60-108	
Hexachlorocyclopentadiene	3500	350 U	266 J	8	50-129	*
Hexachloroethane	3500	35 U	2260	65	63-99	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: z41811371.D

Lab ID: 460-118857-5 MS Client ID: SB-8 (2-4) 08182016 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	3500	90	3530	98	53-137	
Isophorone	3500	140 U	2870	82	68-111	
Naphthalene	3500	18 J	2770	79	65-102	
Nitrobenzene	3500	35 U	2010	57	66-108	*
N-Nitrosodi-n-propylamine	3500	35 U	2790	80	63-117	
N-Nitrosodiphenylamine	3500	350 U	2900	83	65-114	
Phenanthrene	3500	110 J	3040	84	68-111	
Pyrene	3500	240 J	2790	73	64-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: x17356.D

Lab ID: 460-118952-G-5-F MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3390	34 U	2890	85	62-104	
1,2-Dichlorobenzene	3390	340 U	2730	80	64-98	
1,3-Dichlorobenzene	3390	340 U	2670	79	62-96	
1,4-Dichlorobenzene	3390	340 U	2640	78	63-97	
2,2'-oxybis[1-chloropropane]	3390	340 U	2540	75	39-122	
2,4-Dinitrotoluene	3390	68 U	3060	90	66-122	
2,6-Dinitrotoluene	3390	68 U	3130	92	70-114	
2-Chloronaphthalene	3390	340 U	2870	85	63-107	
2-Methylnaphthalene	3390	340 U	2910	86	65-104	
2-Nitroaniline	3390	340 U	2600	77	57-114	
3,3'-Dichlorobenzidine	3390	140 U	2720	80	18-88	
3-Nitroaniline	3390	340 U	2590	76	30-94	
4-Bromophenyl phenyl ether	3390	340 U	3090	91	59-122	
4-Chloroaniline	3390	340 U	2150	63	18-94	
4-Chlorophenyl phenyl ether	3390	340 U	2960	87	66-110	
4-Nitroaniline	3390	340 U	2920	86	49-118	
Acenaphthene	3390	340 U	2730	80	62-108	
Acenaphthylene	3390	340 U	2930	86	67-107	
Anthracene	3390	340 U	2990	88	69-111	
Benzo[a]anthracene	3390	34 U	3060	90	68-110	
Benzo[a]pyrene	3390	34 U	3190	94	72-115	
Benzo[b]fluoranthene	3390	34 U	3240	96	69-119	
Benzo[g,h,i]perylene	3390	340 U	2950	87	54-128	
Benzo[k]fluoranthene	3390	34 U	2930	86	70-115	
Bis(2-chloroethoxy)methane	3390	340 U	2780	82	65-106	
Bis(2-chloroethyl)ether	3390	34 U	2810	83	64-105	
Bis(2-ethylhexyl) phthalate	3390	20 J	2960	87	63-125	
Butyl benzyl phthalate	3390	340 U	2880	85	65-125	
Carbazole	3390	340 U	2900	85	66-115	
Chrysene	3390	340 U	3040	89	70-111	
Dibenz(a,h)anthracene	3390	34 U	2770	82	60-130	
Dibenzofuran	3390	340 U	2920	86	67-107	
Diethyl phthalate	3390	340 U	2870	85	66-117	
Dimethyl phthalate	3390	340 U	2950	87	68-112	
Di-n-butyl phthalate	3390	15 J	2900	85	67-119	
Di-n-octyl phthalate	3390	340 U	2930	86	57-138	
Fluoranthene	3390	340 U	3010	89	64-114	
Fluorene	3390	340 U	2910	86	66-110	
Hexachlorobenzene	3390	34 U	3300	97	57-128	
Hexachlorobutadiene	3390	68 U	2880	85	60-108	
Hexachlorocyclopentadiene	3390	340 U	2860	84	50-129	
Hexachloroethane	3390	34 U	2570	76	63-99	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: x17356.D

Lab ID: 460-118952-G-5-F MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	3390	34 U	2740	81	53-137	
Isophorone	3390	140 U	2800	82	68-111	
Naphthalene	3390	340 U	2820	83	65-102	
Nitrobenzene	3390	34 U	2610	77	66-108	
N-Nitrosodi-n-propylamine	3390	34 U	2820	83	63-117	
N-Nitrosodiphenylamine	3390	340 U	2980	88	65-114	
Phenanthrene	3390	340 U	3000	88	68-111	
Pyrene	3390	340 U	3030	89	64-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: z41811372.D

Lab ID: 460-118857-5 MSD Client ID: SB-8 (2-4) 08182016 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3510	2880	82	4	30	62-104	
1,2-Dichlorobenzene	3510	2680	76	2	30	64-98	
1,3-Dichlorobenzene	3510	2600	74	1	30	62-96	
1,4-Dichlorobenzene	3510	2620	75	2	30	63-97	
2,2'-oxybis[1-chloropropane]	3510	2500	71	1	30	39-122	
2,4-Dinitrotoluene	3510	3430	98	3	30	66-122	
2,6-Dinitrotoluene	3510	3300	94	6	30	70-114	
2-Chloronaphthalene	3510	2980	85	3	30	63-107	
2-Methylnaphthalene	3510	2990	85	5	30	65-104	
2-Nitroaniline	3510	2270	65	5	30	57-114	
3,3'-Dichlorobenzidine	3510	400	11	2	30	18-88	*
3-Nitroaniline	3510	1870	53	0	30	30-94	
4-Bromophenyl phenyl ether	3510	3080	88	2	30	59-122	
4-Chloroaniline	3510	306 J	9	4	30	18-94	*
4-Chlorophenyl phenyl ether	3510	3130	89	3	30	66-110	
4-Nitroaniline	3510	2210	63	12	30	49-118	
Acenaphthene	3510	3050	87	3	30	62-108	
Acenaphthylene	3510	2950	84	3	30	67-107	
Anthracene	3510	3080	88	3	30	69-111	
Benzo[a]anthracene	3510	3160	86	3	30	68-110	
Benzo[a]pyrene	3510	3160	87	5	30	72-115	
Benzo[b]fluoranthene	3510	3240	88	10	30	69-119	
Benzo[g,h,i]perylene	3510	3330	92	3	30	54-128	
Benzo[k]fluoranthene	3510	2940	82	2	30	70-115	
Bis(2-chloroethoxy)methane	3510	2780	79	5	30	65-106	
Bis(2-chloroethyl)ether	3510	2600	74	2	30	64-105	
Bis(2-ethylhexyl) phthalate	3510	3300	93	3	30	63-125	
Butyl benzyl phthalate	3510	3190	91	2	30	65-125	
Carbazole	3510	2970	85	3	30	66-115	
Chrysene	3510	3000	81	0	30	70-111	
Dibenz(a,h)anthracene	3510	3690	105	3	30	60-130	
Dibenzofuran	3510	3040	87	3	30	67-107	
Diethyl phthalate	3510	3460	99	4	30	66-117	
Dimethyl phthalate	3510	3510	100	4	30	68-112	
Di-n-butyl phthalate	3510	3530	100	4	30	67-119	
Di-n-octyl phthalate	3510	3140	89	4	30	57-138	
Fluoranthene	3510	3190	84	3	30	64-114	
Fluorene	3510	3110	89	3	30	66-110	
Hexachlorobenzene	3510	3240	92	3	30	57-128	
Hexachlorobutadiene	3510	3000	85	5	30	60-108	
Hexachlorocyclopentadiene	3510	299 J	9	12	30	50-129	*
Hexachloroethane	3510	2330	66	3	30	63-99	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: z41811372.D

Lab ID: 460-118857-5 MSD Client ID: SB-8 (2-4) 08182016 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	3510	3640	101	3	30	53-137	
Isophorone	3510	2980	85	4	30	68-111	
Naphthalene	3510	2870	81	4	30	65-102	
Nitrobenzene	3510	2110	60	5	30	66-108	*
N-Nitrosodi-n-propylamine	3510	2870	82	3	30	63-117	
N-Nitrosodiphenylamine	3510	3010	86	4	30	65-114	
Phenanthrene	3510	3130	86	3	30	68-111	
Pyrene	3510	2860	75	2	30	64-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: x17357.D

Lab ID: 460-118952-F-5-B MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3390	2770	82	4	30	62-104	
1,2-Dichlorobenzene	3390	2660	78	3	30	64-98	
1,3-Dichlorobenzene	3390	2550	75	5	30	62-96	
1,4-Dichlorobenzene	3390	2540	75	4	30	63-97	
2,2'-oxybis[1-chloropropane]	3390	2490	73	2	30	39-122	
2,4-Dinitrotoluene	3390	3060	90	0	30	66-122	
2,6-Dinitrotoluene	3390	3080	91	2	30	70-114	
2-Chloronaphthalene	3390	2780	82	3	30	63-107	
2-Methylnaphthalene	3390	2820	83	3	30	65-104	
2-Nitroaniline	3390	2560	75	1	30	57-114	
3,3'-Dichlorobenzidine	3390	2690	79	1	30	18-88	
3-Nitroaniline	3390	2490	73	4	30	30-94	
4-Bromophenyl phenyl ether	3390	2990	88	3	30	59-122	
4-Chloroaniline	3390	1980	58	8	30	18-94	
4-Chlorophenyl phenyl ether	3390	2870	85	3	30	66-110	
4-Nitroaniline	3390	2840	84	3	30	49-118	
Acenaphthene	3390	2630	78	4	30	62-108	
Acenaphthylene	3390	2820	83	4	30	67-107	
Anthracene	3390	2950	87	1	30	69-111	
Benzo[a]anthracene	3390	2990	88	2	30	68-110	
Benzo[a]pyrene	3390	3070	91	4	30	72-115	
Benzo[b]fluoranthene	3390	3130	92	3	30	69-119	
Benzo[g,h,i]perylene	3390	2600	77	12	30	54-128	
Benzo[k]fluoranthene	3390	2790	82	5	30	70-115	
Bis(2-chloroethoxy)methane	3390	2740	81	1	30	65-106	
Bis(2-chloroethyl)ether	3390	2710	80	4	30	64-105	
Bis(2-ethylhexyl) phthalate	3390	2880	84	3	30	63-125	
Butyl benzyl phthalate	3390	2830	84	1	30	65-125	
Carbazole	3390	2940	87	1	30	66-115	
Chrysene	3390	2910	86	4	30	70-111	
Dibenz(a,h)anthracene	3390	2570	76	8	30	60-130	
Dibenzofuran	3390	2860	84	2	30	67-107	
Diethyl phthalate	3390	2870	85	0	30	66-117	
Dimethyl phthalate	3390	2930	86	0	30	68-112	
Di-n-butyl phthalate	3390	2940	86	1	30	67-119	
Di-n-octyl phthalate	3390	2840	84	3	30	57-138	
Fluoranthene	3390	3030	89	1	30	64-114	
Fluorene	3390	2830	83	3	30	66-110	
Hexachlorobenzene	3390	3220	95	2	30	57-128	
Hexachlorobutadiene	3390	2750	81	5	30	60-108	
Hexachlorocyclopentadiene	3390	2600	77	9	30	50-129	
Hexachloroethane	3390	2480	73	4	30	63-99	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: x17357.D

Lab ID: 460-118952-F-5-B MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	3390	2550	75	7	30	53-137	
Isophorone	3390	2740	81	2	30	68-111	
Naphthalene	3390	2730	81	3	30	65-102	
Nitrobenzene	3390	2540	75	3	30	66-108	
N-Nitrosodi-n-propylamine	3390	2780	82	1	30	63-117	
N-Nitrosodiphenylamine	3390	2890	85	3	30	65-114	
Phenanthrene	3390	2940	87	2	30	68-111	
Pyrene	3390	2870	85	5	30	64-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: z41811361.D Lab Sample ID: MB 460-385919/1-A

Matrix: Solid Date Extracted: 08/20/2016 12:41

Instrument ID: CBNAMS11 Date Analyzed: 08/22/2016 08:59

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-385919/2-A	z41811362.D	08/22/2016 09:23
SB-8 (2-4) 08182016	460-118857-5	z41811370.D	08/22/2016 12:28
SB-8 (2-4) 08182016 MS	460-118857-5 MS	z41811371.D	08/22/2016 12:50
SB-8 (2-4) 08182016 MSD	460-118857-5 MSD	z41811372.D	08/22/2016 13:12
SB-10 (2-4) 08182016	460-118857-1	L1357803.D	08/23/2016 09:57
SB-10 (13-15) 08182016	460-118857-2	L1357804.D	08/23/2016 10:22
SB-9 (12-14) 08182016	460-118857-4	L1357805.D	08/23/2016 10:46
SB-8 (13-15) 08182016	460-118857-6	L1357806.D	08/23/2016 11:11
SB-4 (3-5) 08182016	460-118857-7	L1357807.D	08/23/2016 11:35
SB-6 (13-15) 08182016	460-118857-10	L1357808.D	08/23/2016 12:00
SB-5 (2-4) 08182016	460-118857-11	L1357809.D	08/23/2016 12:25
SB-7 (2-4) 08182016	460-118857-13	L1357810.D	08/23/2016 12:49
SB-7 (13-15) 08182016	460-118857-14	L1357811.D	08/23/2016 13:14
SB-9 (2-4) 08182016	460-118857-3	L1357816.D	08/23/2016 15:16
SB-5 (13-15) 08182016	460-118857-12	L1357817.D	08/23/2016 15:40
SB-6 (2-4) 08182016	460-118857-9	L1357818.D	08/23/2016 16:05
SB-4 (11-13) 08182016	460-118857-8	L1357822.D	08/23/2016 17:43

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: M231658.D Lab Sample ID: MB 460-385924/1-A

Matrix: Water Date Extracted: 08/20/2016 13:50

Instrument ID: CBNAMS6 Date Analyzed: 08/24/2016 02:00

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCSD 460-385924/3-A	M231660.D	08/24/2016 02:39
	LCS 460-385924/2-A	M231679.D	08/24/2016 09:49
FB08192016	460-118926-8	M231687.D	08/24/2016 12:26

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: x17352.D Lab Sample ID: MB 460-386078/1-A

Matrix: Solid Date Extracted: 08/22/2016 12:27

Instrument ID: CBNAMS5 Date Analyzed: 08/23/2016 09:36

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-386078/2-A	x17353.D	08/23/2016 09:59
	LCS 460-386078/3-A	x17354.D	08/23/2016 10:22
	460-118952-G-5-F MS	x17356.D	08/23/2016 11:08
	460-118952-F-5-B MSD	x17357.D	08/23/2016 11:31
SB-3(13-15)08192016	460-118926-6	x17362.D	08/23/2016 13:27
SB-1(2-4)-08192016	460-118926-1	x17370.D	08/23/2016 16:31
SB-1(12-14)-08192016	460-118926-2	x17371.D	08/23/2016 16:55
SB-2(2-4)08192016	460-118926-3	x17372.D	08/23/2016 17:18
SB-X08192016	460-118926-7	x17373.D	08/23/2016 17:41
SB-2(10-12)08192016	460-118926-4	z41811451.D	08/24/2016 16:16
SB-3(2-4)08192016	460-118926-5	z41811452.D	08/24/2016 16:38

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: z41810970.D DFTPP Injection Date: 08/08/2016

Instrument ID: CBNAMS11 DFTPP Injection Time: 06:29

Analysis Batch No.: 383552

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	57.5	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	44.3	
70	Less than 2.0 % of mass 69	0.5	(1.0) 1
127	40.0 - 60.0 % of mass 198	49.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	24.5	
365	Greater than 1.0 % of mass 198	3.2	
441	Present but less than mass 443	11.9	(79.3) 3
442	Greater than 40.0 % of mass 198	74.9	
443	17.0 - 23.0 % of mass 442	15.0	(20.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-383552/2	z41810971.D	08/08/2016	06:43
	STD120 460-383552/3	z41810972.D	08/08/2016	07:11
	STD80 460-383552/4	z41810973.D	08/08/2016	07:35
	STD20 460-383552/5	z41810974.D	08/08/2016	07:59
	STD10 460-383552/6	z41810975.D	08/08/2016	08:23
	STD5 460-383552/7	z41810976.D	08/08/2016	08:47
	STD2 460-383552/8	z41810977.D	08/08/2016	09:11
	STD1 460-383552/9	z41810978.D	08/08/2016	09:35
	STD05 460-383552/10	z41810979.D	08/08/2016	09:59

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: z41811356.D DFTPP Injection Date: 08/22/2016

Instrument ID: CBNAMS11 DFTPP Injection Time: 07:09

Analysis Batch No.: 385995

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.2	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	36.0	
70	Less than 2.0 % of mass 69	0.0	(0.0) 1
127	40.0 - 60.0 % of mass 198	46.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	26.5	
365	Greater than 1.0 % of mass 198	3.0	
441	Present but less than mass 443	12.0	(77.2) 3
442	Greater than 40.0 % of mass 198	77.8	
443	17.0 - 23.0 % of mass 442	15.6	(20.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-385995/2	z41811357.D	08/22/2016	07:24
	MB 460-385919/1-A	z41811361.D	08/22/2016	08:59
	LCS 460-385919/2-A	z41811362.D	08/22/2016	09:23
SB-8 (2-4) 08182016	460-118857-5	z41811370.D	08/22/2016	12:28
SB-8 (2-4) 08182016 MS	460-118857-5 MS	z41811371.D	08/22/2016	12:50
SB-8 (2-4) 08182016 MSD	460-118857-5 MSD	z41811372.D	08/22/2016	13:12

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: z41811425.D DFTPP Injection Date: 08/24/2016

Instrument ID: CBNAMS11 DFTPP Injection Time: 06:48

Analysis Batch No.: 386446

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	31.5	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	28.9	
70	Less than 2.0 % of mass 69	0.0	(0.0) 1
127	40.0 - 60.0 % of mass 198	41.8	
197	Less than 1.0 % of mass 198	0.4	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	27.0	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	12.5	(72.8) 3
442	Greater than 40.0 % of mass 198	87.3	
443	17.0 - 23.0 % of mass 442	17.2	(19.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-386446/2	z41811426.D	08/24/2016	07:03
	STD120 460-386446/3	z41811427.D	08/24/2016	07:25
	STD80 460-386446/4	z41811428.D	08/24/2016	07:47
	STD20 460-386446/5	z41811429.D	08/24/2016	08:09
	STD10 460-386446/6	z41811430.D	08/24/2016	08:30
	STD5 460-386446/7	z41811431.D	08/24/2016	08:52
	STD2 460-386446/8	z41811432.D	08/24/2016	09:13
	STD1 460-386446/9	z41811433.D	08/24/2016	09:35
	STD05 460-386446/10	z41811434.D	08/24/2016	10:00
	ICV 460-386446/12	z41811436.D	08/24/2016	10:48
SB-2(10-12)08192016	460-118926-4	z41811451.D	08/24/2016	16:16
SB-3(2-4)08192016	460-118926-5	z41811452.D	08/24/2016	16:38

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: L1357558b.D DFTPP Injection Date: 08/12/2016

Instrument ID: CBNAMS12 DFTPP Injection Time: 12:11

Analysis Batch No.: 384521

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	35.1	
68	Less than 2.0 % of mass 69	0.6	(1.7) 1
69	Mass 69 relative abundance	37.3	
70	Less than 2.0 % of mass 69	0.2	(0.4) 1
127	40.0 - 60.0 % of mass 198	44.7	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.1	
275	10.0 - 30.0 % of mass 198	25.5	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	13.2	(75.9) 3
442	Greater than 40.0 % of mass 198	87.2	
443	17.0 - 23.0 % of mass 442	17.4	(20.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-384521/2	L1357559.D	08/12/2016	12:30
	STD120 460-384521/3	L1357560.D	08/12/2016	13:06
	STD80 460-384521/4	L1357561.D	08/12/2016	13:31
	STD20 460-384521/5	L1357562.D	08/12/2016	13:56
	STD10 460-384521/6	L1357563.D	08/12/2016	14:21
	STD5 460-384521/7	L1357564.D	08/12/2016	14:46
	STD2 460-384521/8	L1357565.D	08/12/2016	15:11
	STD1 460-384521/9	L1357566.D	08/12/2016	15:36
	STD05 460-384521/10	L1357567.D	08/12/2016	16:00

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: L1357797.D DFTPP Injection Date: 08/23/2016

Instrument ID: CBNAMS12 DFTPP Injection Time: 07:06

Analysis Batch No.: 386190

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.8	
68	Less than 2.0 % of mass 69	0.7	(1.8) 1
69	Mass 69 relative abundance	40.8	
70	Less than 2.0 % of mass 69	0.3	(0.6) 1
127	40.0 - 60.0 % of mass 198	49.3	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.9	
275	10.0 - 30.0 % of mass 198	27.5	
365	Greater than 1.0 % of mass 198	5.7	
441	Present but less than mass 443	23.0	(86.5) 3
442	Greater than 40.0 % of mass 198	137.7	
443	17.0 - 23.0 % of mass 442	26.6	(19.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-386190/2	L1357798.D	08/23/2016	07:24
SB-10 (2-4) 08182016	460-118857-1	L1357803.D	08/23/2016	09:57
SB-10 (13-15) 08182016	460-118857-2	L1357804.D	08/23/2016	10:22
SB-9 (12-14) 08182016	460-118857-4	L1357805.D	08/23/2016	10:46
SB-8 (13-15) 08182016	460-118857-6	L1357806.D	08/23/2016	11:11
SB-4 (3-5) 08182016	460-118857-7	L1357807.D	08/23/2016	11:35
SB-6 (13-15) 08182016	460-118857-10	L1357808.D	08/23/2016	12:00
SB-5 (2-4) 08182016	460-118857-11	L1357809.D	08/23/2016	12:25
SB-7 (2-4) 08182016	460-118857-13	L1357810.D	08/23/2016	12:49
SB-7 (13-15) 08182016	460-118857-14	L1357811.D	08/23/2016	13:14
SB-9 (2-4) 08182016	460-118857-3	L1357816.D	08/23/2016	15:16
SB-5 (13-15) 08182016	460-118857-12	L1357817.D	08/23/2016	15:40
SB-6 (2-4) 08182016	460-118857-9	L1357818.D	08/23/2016	16:05
SB-4 (11-13) 08182016	460-118857-8	L1357822.D	08/23/2016	17:43

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: x17304.D DFTPP Injection Date: 08/22/2016

Instrument ID: CBNAMS5 DFTPP Injection Time: 11:54

Analysis Batch No.: 386065

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.5	
68	Less than 2.0 % of mass 69	0.8	(1.8) 1
69	Mass 69 relative abundance	46.2	
70	Less than 2.0 % of mass 69	0.3	(0.7) 1
127	40.0 - 60.0 % of mass 198	53.5	
197	Less than 1.0 % of mass 198	0.1	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	29.0	
365	Greater than 1.0 % of mass 198	4.3	
441	Present but less than mass 443	13.2	(71.9) 3
442	Greater than 40.0 % of mass 198	91.1	
443	17.0 - 23.0 % of mass 442	18.4	(20.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-386065/2	x17305.D	08/22/2016	12:18
	STD120 460-386065/3	x17306.D	08/22/2016	13:00
	STD80 460-386065/4	x17307.D	08/22/2016	13:24
	STD20 460-386065/5	x17308.D	08/22/2016	13:48
	STD10 460-386065/6	x17309.D	08/22/2016	14:12
	STD5 460-386065/7	x17310.D	08/22/2016	14:37
	STD2 460-386065/8	x17311.D	08/22/2016	15:01
	STD1 460-386065/9	x17312.D	08/22/2016	15:25
	STD05 460-386065/10	x17313.D	08/22/2016	15:49
	ICV 460-386065/18	x17321.D	08/22/2016	19:03

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: x17349.D DFTPP Injection Date: 08/23/2016

Instrument ID: CBNAMS5 DFTPP Injection Time: 08:28

Analysis Batch No.: 386228

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.1	
68	Less than 2.0 % of mass 69	0.7	(1.7) 1
69	Mass 69 relative abundance	39.5	
70	Less than 2.0 % of mass 69	0.2	(0.6) 1
127	40.0 - 60.0 % of mass 198	49.2	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	29.5	
365	Greater than 1.0 % of mass 198	4.2	
441	Present but less than mass 443	14.3	(74.1) 3
442	Greater than 40.0 % of mass 198	98.1	
443	17.0 - 23.0 % of mass 442	19.3	(19.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-386228/2	x17350.D	08/23/2016	08:45
	MB 460-386078/1-A	x17352.D	08/23/2016	09:36
	LCS 460-386078/2-A	x17353.D	08/23/2016	09:59
	LCS 460-386078/3-A	x17354.D	08/23/2016	10:22
	460-118952-G-5-F MS	x17356.D	08/23/2016	11:08
	460-118952-F-5-B MSD	x17357.D	08/23/2016	11:31
SB-3(13-15)08192016	460-118926-6	x17362.D	08/23/2016	13:27
SB-1(2-4)-08192016	460-118926-1	x17370.D	08/23/2016	16:31
SB-1(12-14)-08192016	460-118926-2	x17371.D	08/23/2016	16:55
SB-2(2-4)08192016	460-118926-3	x17372.D	08/23/2016	17:18
SB-X08192016	460-118926-7	x17373.D	08/23/2016	17:41

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: M231612.D DFTPP Injection Date: 08/23/2016

Instrument ID: CBNAMS6 DFTPP Injection Time: 09:32

Analysis Batch No.: 386253

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	56.7	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	71.2	
70	Less than 2.0 % of mass 69	0.1	(0.1) 1
127	40.0 - 60.0 % of mass 198	44.4	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.4	
275	10.0 - 30.0 % of mass 198	24.8	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	8.8	(44.2) 3
442	Greater than 40.0 % of mass 198	96.2	
443	17.0 - 23.0 % of mass 442	20.0	(20.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-386253/2	M231613.D	08/23/2016	10:18
	STD24 460-386253/3	M231614.D	08/23/2016	10:42
	STD16 460-386253/4	M231615.D	08/23/2016	11:01
	STD4 460-386253/5	M231616.D	08/23/2016	11:21
	STD2 460-386253/6	M231617.D	08/23/2016	11:40
	STD1 460-386253/7	M231618.D	08/23/2016	12:00
	STD02 460-386253/8	M231619.D	08/23/2016	12:20
	STD01 460-386253/9	M231620.D	08/23/2016	12:39

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: M231636.D DFTPP Injection Date: 08/23/2016

Instrument ID: CBNAMS6 DFTPP Injection Time: 18:49

Analysis Batch No.: 386360

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	55.0	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	74.2	
70	Less than 2.0 % of mass 69	0.3	(0.4) 1
127	40.0 - 60.0 % of mass 198	46.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	26.9	
365	Greater than 1.0 % of mass 198	5.1	
441	Present but less than mass 443	13.1	(52.8) 3
442	Greater than 40.0 % of mass 198	119.5	
443	17.0 - 23.0 % of mass 442	24.8	(20.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-386360/2	M231637.D	08/23/2016	19:04
	MB 460-385924/1-A	M231658.D	08/24/2016	02:00
	LCSD 460-385924/3-A	M231660.D	08/24/2016	02:39

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab File ID: M231672.D DFTPP Injection Date: 08/24/2016

Instrument ID: CBNAMS6 DFTPP Injection Time: 07:23

Analysis Batch No.: 386455

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	53.8	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	69.0	
70	Less than 2.0 % of mass 69	0.4	(0.6) 1
127	40.0 - 60.0 % of mass 198	41.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	25.8	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	15.4	(73.7) 3
442	Greater than 40.0 % of mass 198	101.8	
443	17.0 - 23.0 % of mass 442	20.9	(20.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-386455/2	M231673.D	08/24/2016	07:40
	LCS 460-385924/2-A	M231679.D	08/24/2016	09:49
FB08192016	460-118926-8	M231687.D	08/24/2016	12:26

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-385995/2 Date Analyzed: 08/22/2016 07:24

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): z41811357.D Heated Purge: (Y/N) N

Calibration ID: 57148

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		508327	3.86	1608625	5.16	719236	6.91
UPPER LIMIT		1016654	4.36	3217250	5.66	1438472	7.41
LOWER LIMIT		254164	3.36	804313	4.66	359618	6.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-385919/1-A		508744	3.86	1780125	5.15	901657	6.90
LCS 460-385919/2-A		509154	3.86	1623777	5.16	722570	6.91
460-118857-5	SB-8 (2-4) 08182016	438729	3.86	1432170	5.15	652218	6.90
460-118857-5 MS	SB-8 (2-4) 08182016 MS	401802	3.86	1270842	5.15	536356	6.91
460-118857-5 MSD	SB-8 (2-4) 08182016 MSD	428463	3.86	1335036	5.15	569699	6.91

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-385995/2 Date Analyzed: 08/22/2016 07:24

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): z41811357.D Heated Purge: (Y/N) N

Calibration ID: 57148

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		918272	8.36	568462	11.00	451746	12.75
UPPER LIMIT		1836544	8.86	1136924	11.50	903492	13.25
LOWER LIMIT		459136	7.86	284231	10.50	225873	12.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-385919/1-A		1242809	8.36	700719	11.00	516043	12.75
LCS 460-385919/2-A		937686	8.36	586841	11.00	461201	12.75
460-118857-5	SB-8 (2-4) 08182016	840088	8.36	497079	11.00	430090	12.75
460-118857-5 MS	SB-8 (2-4) 08182016 MS	668085	8.36	433517	11.01	393052	12.75
460-118857-5 MSD	SB-8 (2-4) 08182016 MSD	721045	8.36	467841	11.01	411659	12.75

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: ICIS 460-386446/2 Date Analyzed: 08/24/2016 07:03

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): z41811426.D Heated Purge: (Y/N) N

Calibration ID: 57556

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		466885	3.72	1444747	5.02	686982	6.78
UPPER LIMIT		933770	4.22	2889494	5.52	1373964	7.28
LOWER LIMIT		233443	3.22	722374	4.52	343491	6.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-386446/12		475724	3.72	1543581	5.02	751080	6.78
460-118926-4	SB-2(10-12)08192016	391283	3.74	1347930	5.02	664875	6.77
460-118926-5	SB-3(2-4)08192016	362625	3.72	1181179	5.02	558522	6.77

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: ICIS 460-386446/2 Date Analyzed: 08/24/2016 07:03

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): z41811426.D Heated Purge: (Y/N) N

Calibration ID: 57556

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		962512	8.22	639767	10.84	504189	12.54
UPPER LIMIT		1925024	8.72	1279534	11.34	1008378	13.04
LOWER LIMIT		481256	7.72	319884	10.34	252095	12.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-386446/12		1082805	8.23	611199	10.85	427302	12.55
460-118926-4	SB-2(10-12)08192016	840983	8.22	466311	10.85	416128	12.56
460-118926-5	SB-3(2-4)08192016	667708	8.22	403524	10.85	384715	12.55

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386190/2 Date Analyzed: 08/23/2016 07:24

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): L1357798.D Heated Purge: (Y/N) N

Calibration ID: 57238

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		769934	4.23	2407618	5.52	1146706	7.27
UPPER LIMIT		1539868	4.73	4815236	6.02	2293412	7.77
LOWER LIMIT		384967	3.73	1203809	5.02	573353	6.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-118857-1	SB-10 (2-4) 08182016	741688	4.23	2462829	5.51	1207337	7.26
460-118857-2	SB-10 (13-15) 08182016	859086	4.23	2848250	5.51	1439930	7.26
460-118857-4	SB-9 (12-14) 08182016	844271	4.23	2712625	5.51	1301524	7.26
460-118857-6	SB-8 (13-15) 08182016	907175	4.23	2864259	5.51	1359524	7.26
460-118857-7	SB-4 (3-5) 08182016	852791	4.23	2807253	5.51	1467669	7.26
460-118857-10	SB-6 (13-15) 08182016	818484	4.23	2746388	5.51	1439059	7.26
460-118857-11	SB-5 (2-4) 08182016	861426	4.23	2835099	5.51	1443732	7.26
460-118857-13	SB-7 (2-4) 08182016	889296	4.23	2945026	5.51	1554157	7.26
460-118857-14	SB-7 (13-15) 08182016	787574	4.23	2580643	5.51	1301794	7.26
460-118857-3	SB-9 (2-4) 08182016	687989	4.23	2225381	5.51	1100078	7.26
460-118857-12	SB-5 (13-15) 08182016	743222	4.23	2363997	5.51	1113626	7.26
460-118857-9	SB-6 (2-4) 08182016	779096	4.23	2458816	5.51	1147166	7.26
460-118857-8	SB-4 (11-13) 08182016	725513	4.23	2235999	5.51	1009749	7.26

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386190/2 Date Analyzed: 08/23/2016 07:24

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): L1357798.D Heated Purge: (Y/N) N

Calibration ID: 57238

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1474011	8.73	952579	11.47	886778	13.37
UPPER LIMIT		2948022	9.23	1905158	11.97	1773556	13.87
LOWER LIMIT		737006	8.23	476290	10.97	443389	12.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-118857-1	SB-10 (2-4) 08182016	1589831	8.72	1054023	11.46	912262	13.36
460-118857-2	SB-10 (13-15) 08182016	1961732	8.73	1241631	11.46	1054533	13.36
460-118857-4	SB-9 (12-14) 08182016	1666059	8.73	1019790	11.46	918862	13.36
460-118857-6	SB-8 (13-15) 08182016	1711889	8.72	1070472	11.46	918587	13.36
460-118857-7	SB-4 (3-5) 08182016	1993143	8.73	1208636	11.47	995482	13.36
460-118857-10	SB-6 (13-15) 08182016	1985993	8.73	1343556	11.46	1120656	13.37
460-118857-11	SB-5 (2-4) 08182016	1960829	8.73	1343786	11.47	1120589	13.37
460-118857-13	SB-7 (2-4) 08182016	2167071	8.73	1435440	11.47	1162461	13.37
460-118857-14	SB-7 (13-15) 08182016	1818714	8.73	1204534	11.46	993349	13.36
460-118857-3	SB-9 (2-4) 08182016	1485322	8.73	995056	11.46	912780	13.37
460-118857-12	SB-5 (13-15) 08182016	1478626	8.73	953560	11.47	875802	13.37
460-118857-9	SB-6 (2-4) 08182016	1485663	8.73	1096363	11.47	1022285	13.37
460-118857-8	SB-4 (11-13) 08182016	1262234	8.73	900284	11.47	1014199	13.38

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: ICIS 460-386065/2 Date Analyzed: 08/22/2016 12:18

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): x17305.D Heated Purge: (Y/N) N

Calibration ID: 57434

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		474493	4.60	1539639	5.88	742646	7.63
UPPER LIMIT		948986	5.10	3079278	6.38	1485292	8.13
LOWER LIMIT		237247	4.10	769820	5.38	371323	7.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-386065/18		449975	4.60	1536148	5.88	755408	7.63

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: ICIS 460-386065/2 Date Analyzed: 08/22/2016 12:18

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): x17305.D Heated Purge: (Y/N) N

Calibration ID: 57434

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		972697	9.10	572280	11.94	415785	13.92
UPPER LIMIT		1945394	9.60	1144560	12.44	831570	14.42
LOWER LIMIT		486349	8.60	286140	11.44	207893	13.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-386065/18		1011586	9.10	577132	11.93	378256	13.92

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386228/2 Date Analyzed: 08/23/2016 08:45

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): x17350.D Heated Purge: (Y/N) N

Calibration ID: 57439

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		582139	4.58	1966053	5.86	910222	7.61
UPPER LIMIT		1164278	5.08	3932106	6.36	1820444	8.11
LOWER LIMIT		291070	4.08	983027	5.36	455111	7.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-386078/1-A		572557	4.56	2076985	5.85	1086279	7.60
LCS 460-386078/2-A		540642	4.57	1854176	5.85	877476	7.60
LCS 460-386078/3-A		593697	4.56	2108151	5.85	1084900	7.60
460-118952-G-5-F MS		556063	4.57	1922329	5.85	931208	7.60
460-118952-F-5-B MSD		531717	4.58	1838590	5.85	899958	7.60
460-118926-6	SB-3(13-15)08192016	551437	4.57	2020123	5.85	1028023	7.60
460-118926-1	SB-1(2-4)-08192016	535948	4.58	1866232	5.85	916214	7.60
460-118926-2	SB-1(12-14)-08192016	519426	4.58	1774220	5.85	891960	7.60
460-118926-3	SB-2(2-4)08192016	544357	4.58	1871481	5.85	911471	7.60
460-118926-7	SB-X08192016	528528	4.58	1823211	5.85	889850	7.60

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386228/2 Date Analyzed: 08/23/2016 08:45

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): x17350.D Heated Purge: (Y/N) N

Calibration ID: 57439

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1156279	9.08	681905	11.90	515913	13.88
UPPER LIMIT		2312558	9.58	1363810	12.40	1031826	14.38
LOWER LIMIT		578140	8.58	340953	11.40	257957	13.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-386078/1-A		1533717	9.07	881613	11.90	635151	13.88
LCS 460-386078/2-A		1134347	9.08	669721	11.90	493897	13.88
LCS 460-386078/3-A		1533796	9.07	916677	11.90	665178	13.88
460-118952-G-5-F MS		1203367	9.07	714345	11.90	538321	13.88
460-118952-F-5-B MSD		1176737	9.07	737422	11.90	577173	13.88
460-118926-6	SB-3(13-15)08192016	1435976	9.07	804567	11.90	568671	13.88
460-118926-1	SB-1(2-4)-08192016	1210415	9.07	688011	11.90	514263	13.88
460-118926-2	SB-1(12-14)-08192016	1175248	9.07	642607	11.89	478832	13.88
460-118926-3	SB-2(2-4)08192016	1153188	9.07	629424	11.89	446069	13.88
460-118926-7	SB-X08192016	1139540	9.06	622511	11.90	495880	13.88

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386360/2 Date Analyzed: 08/23/2016 19:04

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): M231637.D Heated Purge: (Y/N) N

Calibration ID: 57491

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		449177	3.65	1445553	4.96	983721	6.70
UPPER LIMIT		898354	4.15	2891106	5.46	1967442	7.20
LOWER LIMIT		224589	3.15	722777	4.46	491861	6.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-385924/1-A		318336	3.65	1104136	4.95	780008	6.70
LCSD 460-385924/3-A		352574	3.65	1204097	4.95	808631	6.71

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386360/2 Date Analyzed: 08/23/2016 19:04

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): M231637.D Heated Purge: (Y/N) N

Calibration ID: 57491

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1434237	8.15	1305380	10.77	1134856	12.48
UPPER LIMIT		2868474	8.65	2610760	11.27	2269712	12.98
LOWER LIMIT		717119	7.65	652690	10.27	567428	11.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-385924/1-A		1244571	8.14	1039286	10.75	996372	12.46
LCSD 460-385924/3-A		1174563	8.15	1165389	10.76	1068076	12.47

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386455/2 Date Analyzed: 08/24/2016 07:40

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): M231673.D Heated Purge: (Y/N) N

Calibration ID: 57491

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		309127	3.63	1032254	4.93	691424	6.68
UPPER LIMIT		618254	4.13	2064508	5.43	1382848	7.18
LOWER LIMIT		154564	3.13	516127	4.43	345712	6.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-385924/2-A		271796	3.63	932349	4.93	674836	6.68
460-118926-8	FB08192016	246486	3.62	882324	4.92	615500	6.67

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386455/2 Date Analyzed: 08/24/2016 07:40

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): M231673.D Heated Purge: (Y/N) N

Calibration ID: 57491

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1006973	8.13	1086067	10.74	1006980	12.45
UPPER LIMIT		2013946	8.63	2172134	11.24	2013960	12.95
LOWER LIMIT		503487	7.63	543034	10.24	503490	11.95
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-385924/2-A		1015144	8.12	1053390	10.74	977800	12.44
460-118926-8	FB08192016	1125009	8.12	936538	10.72	853346	12.43

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (2-4) 08182016 | Lab Sample ID: 460-118857-1

Matrix: Solid | Lab File ID: L1357803.D

Analysis Method: 8270D | Date Collected: 08/18/2016 08:30

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0488(g) | Date Analyzed: 08/23/2016 09:57

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	37	U	37	8.2
95-50-1	1,2-Dichlorobenzene	370	U	370	12
541-73-1	1,3-Dichlorobenzene	370	U	370	29
106-46-7	1,4-Dichlorobenzene	370	U	370	29
108-60-1	2,2'-oxybis[1-chloropropane]	370	U	370	15
121-14-2	2,4-Dinitrotoluene	75	U	75	15
606-20-2	2,6-Dinitrotoluene	75	U	75	20
91-58-7	2-Chloronaphthalene	370	U	370	8.4
91-57-6	2-Methylnaphthalene	9.8	J	370	8.2
88-74-4	2-Nitroaniline	370	U	370	12
91-94-1	3,3'-Dichlorobenzidine	150	U	150	41
99-09-2	3-Nitroaniline	370	U	370	11
101-55-3	4-Bromophenyl phenyl ether	370	U	370	12
106-47-8	4-Chloroaniline	370	U	370	9.5
7005-72-3	4-Chlorophenyl phenyl ether	370	U	370	11
100-01-6	4-Nitroaniline	370	U	370	14
83-32-9	Acenaphthene	370	U	370	9.0
208-96-8	Acenaphthylene	370	U	370	9.5
120-12-7	Anthracene	370	U	370	35
56-55-3	Benzo[a]anthracene	43		37	31
50-32-8	Benzo[a]pyrene	40		37	11
205-99-2	Benzo[b]fluoranthene	65		37	14
191-24-2	Benzo[g,h,i]perylene	30	J	370	21
207-08-9	Benzo[k]fluoranthene	22	J	37	16
111-91-1	Bis(2-chloroethoxy)methane	370	U	370	12
111-44-4	Bis(2-chloroethyl)ether	37	U	37	8.7
117-81-7	Bis(2-ethylhexyl) phthalate	45	J	370	14
85-68-7	Butyl benzyl phthalate	370	U	370	11
86-74-8	Carbazole	370	U	370	9.2
218-01-9	Chrysene	56	J	370	10
53-70-3	Dibenz(a,h)anthracene	37	U	37	19
132-64-9	Dibenzofuran	370	U	370	11
84-66-2	Diethyl phthalate	370	U	370	11
131-11-3	Dimethyl phthalate	370	U	370	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (2-4) 08182016 | Lab Sample ID: 460-118857-1

Matrix: Solid | Lab File ID: L1357803.D

Analysis Method: 8270D | Date Collected: 08/18/2016 08:30

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0488(g) | Date Analyzed: 08/23/2016 09:57

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	25	J	370	11
117-84-0	Di-n-octyl phthalate	370	U	370	19
206-44-0	Fluoranthene	74	J	370	11
86-73-7	Fluorene	370	U	370	8.1
118-74-1	Hexachlorobenzene	37	U	37	15
87-68-3	Hexachlorobutadiene	75	U	75	10
77-47-4	Hexachlorocyclopentadiene	370	U	370	23
67-72-1	Hexachloroethane	37	U	37	14
193-39-5	Indeno[1,2,3-cd]pyrene	37	U	37	25
78-59-1	Isophorone	150	U	150	8.0
91-20-3	Naphthalene	11	J	370	9.4
98-95-3	Nitrobenzene	37	U	37	12
621-64-7	N-Nitrosodi-n-propylamine	37	U	37	12
86-30-6	N-Nitrosodiphenylamine	370	U	370	34
85-01-8	Phenanthrene	55	J	370	9.9
129-00-0	Pyrene	75	J	370	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	86		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	74		37-94
1718-51-0	Terphenyl-d14 (Surr)	84		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D
Lims ID: 460-118857-F-1-A
Client ID: SB-10 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 09:57:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-007
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 14:34:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	95	741688	40.0	
$ 26 Nitrobenzene-d5	82	4.781	4.792	-0.011	88	793935	36.8	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2462829	40.0	
37 Naphthalene	128	5.528	5.534	-0.006	97	9188	0.1531	
42 2-Methylnaphthalene	142	6.228	6.234	-0.006	84	5493	0.1314	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	96	1872268	42.9	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	94	1207337	40.0	
* 85 Phenanthrene-d10	188	8.722	8.728	-0.006	98	1589831	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	94	32846	0.7356	
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	98	15733	0.3335	
90 Fluoranthene	202	9.916	9.916	0.000	97	44985	1.00	
92 Pyrene	202	10.133	10.139	-0.006	98	38033	1.01	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1183924	42.1	
99 Benzo[a]anthracene	228	11.457	11.457	0.000	37	18173	0.5747	
* 100 Chrysene-d12	240	11.463	11.469	-0.006	99	1054023	40.0	
101 Chrysene	228	11.492	11.498	-0.006	97	22426	0.7528	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	83	13897	0.5973	
104 Benzo[b]fluoranthene	252	12.845	12.851	-0.006	94	22820	0.8686	
105 Benzo[k]fluoranthene	252	12.874	12.886	-0.012	94	8124	0.2949	M
106 Benzo[a]pyrene	252	13.280	13.292	-0.012	97	13320	0.5350	
* 107 Perylene-d12	264	13.362	13.368	-0.006	98	912262	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.798	14.809	-0.011	93	7906	0.2912	
109 Dibenz(a,h)anthracene	278	14.821	14.839	-0.018	45	3673	0.1306	
110 Benzo[g,h,i]perylene	276	15.145	15.156	-0.011	92	9522	0.4006	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

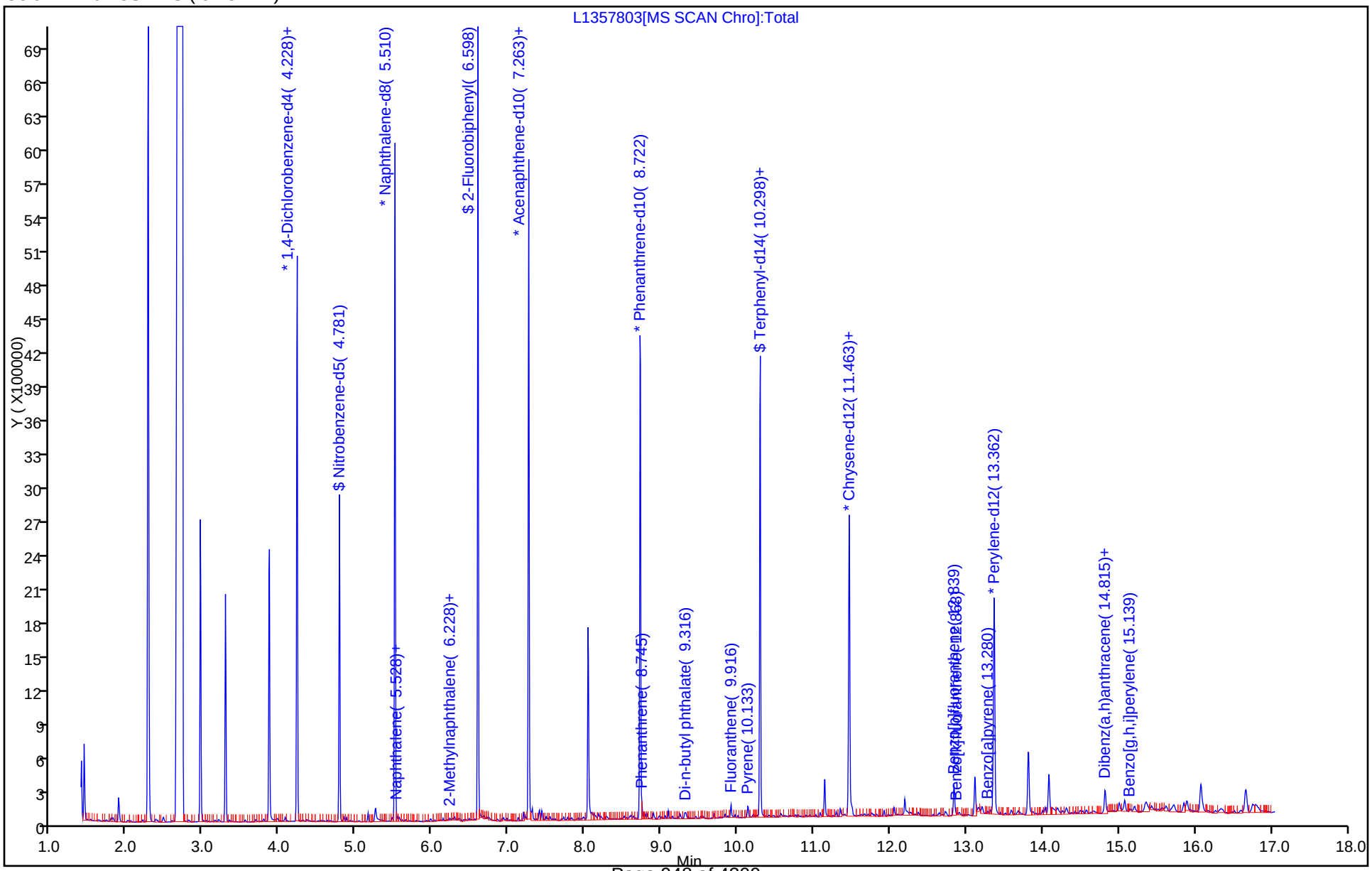
Report Date: 23-Aug-2016 17:00:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D

Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1	Worklist Smp#:	7
Client ID:	SB-10 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

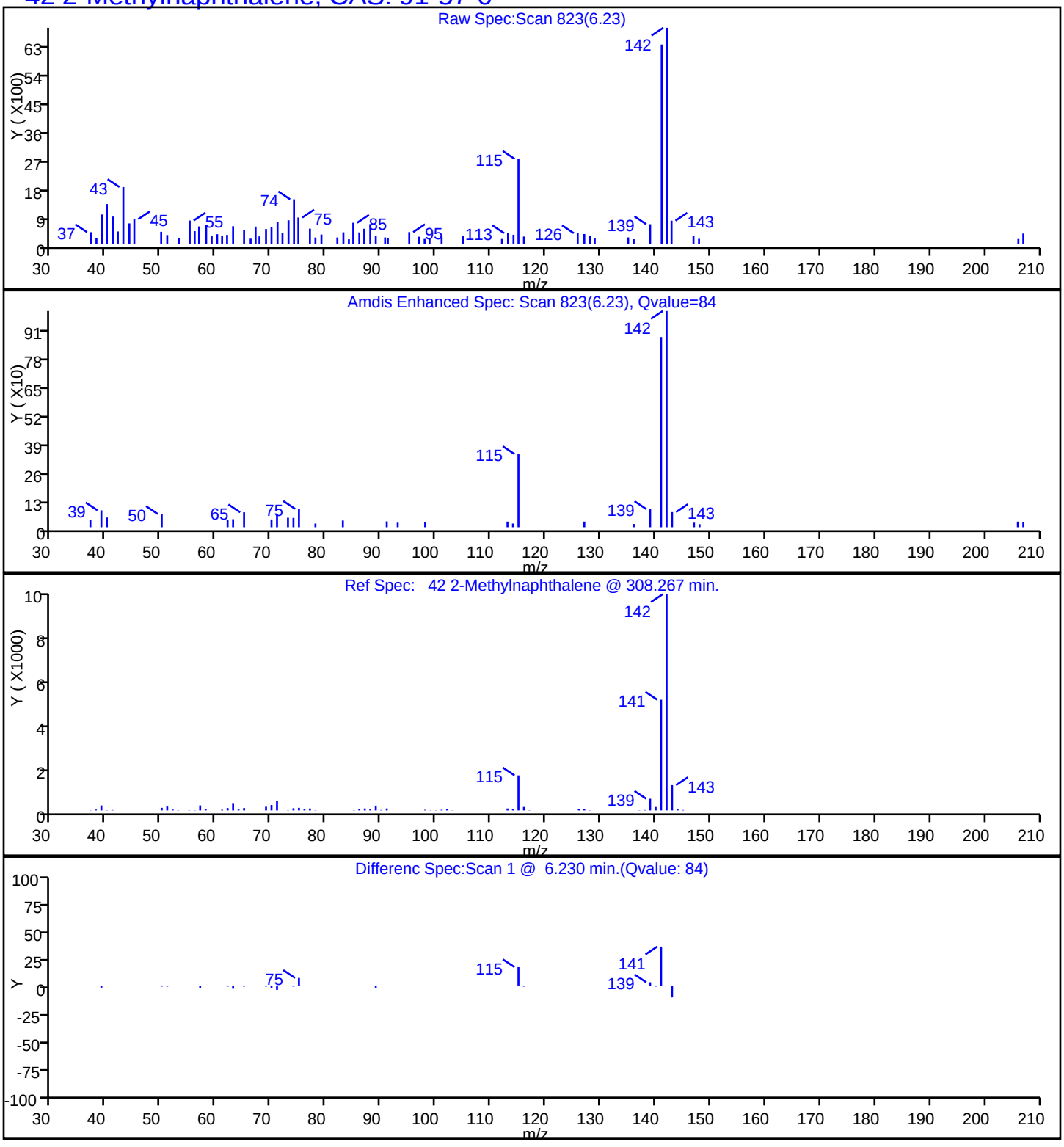


Report Date: 23-Aug-2016 17:00:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D				
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

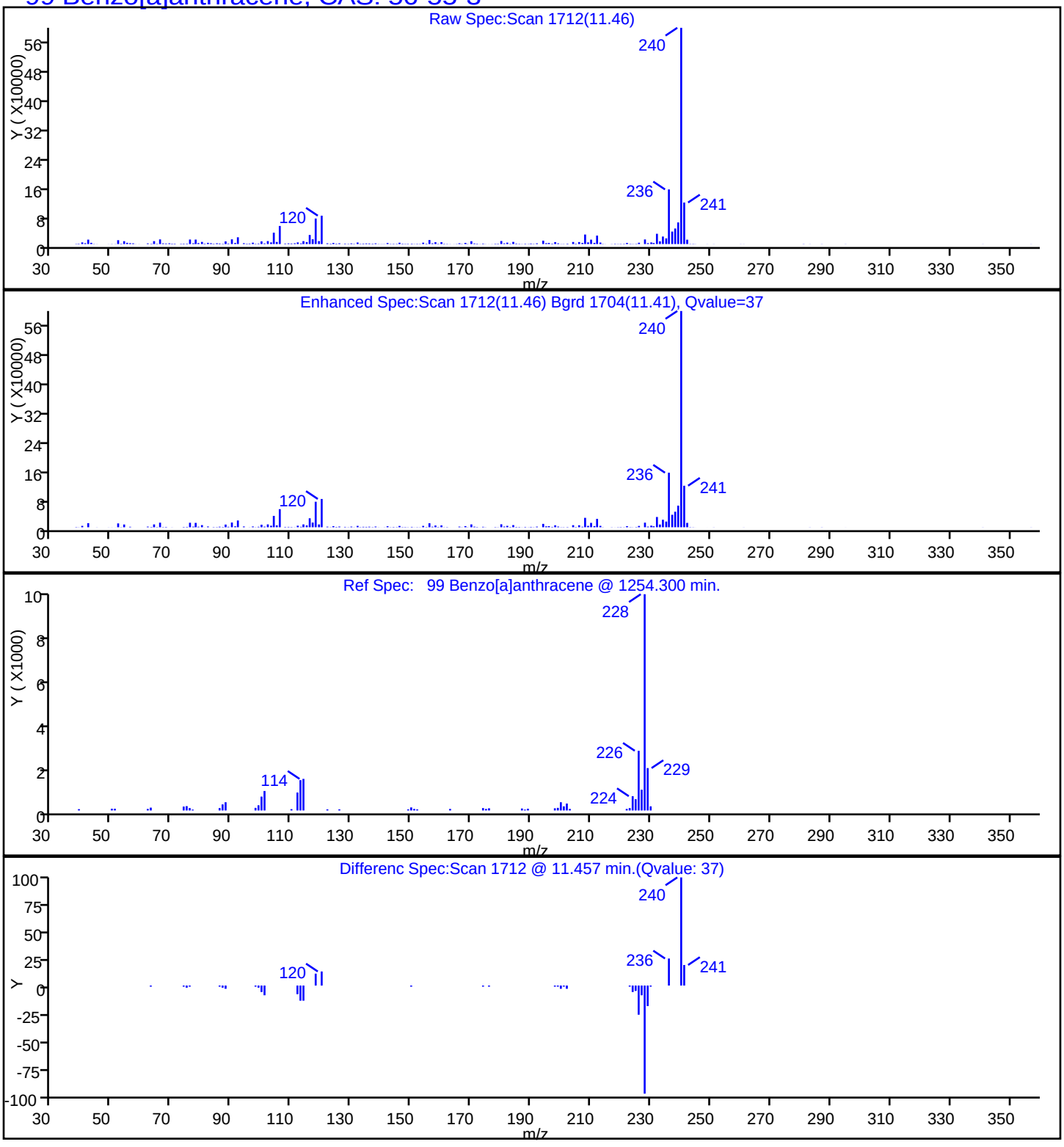


Report Date: 23-Aug-2016 17:00:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D				
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

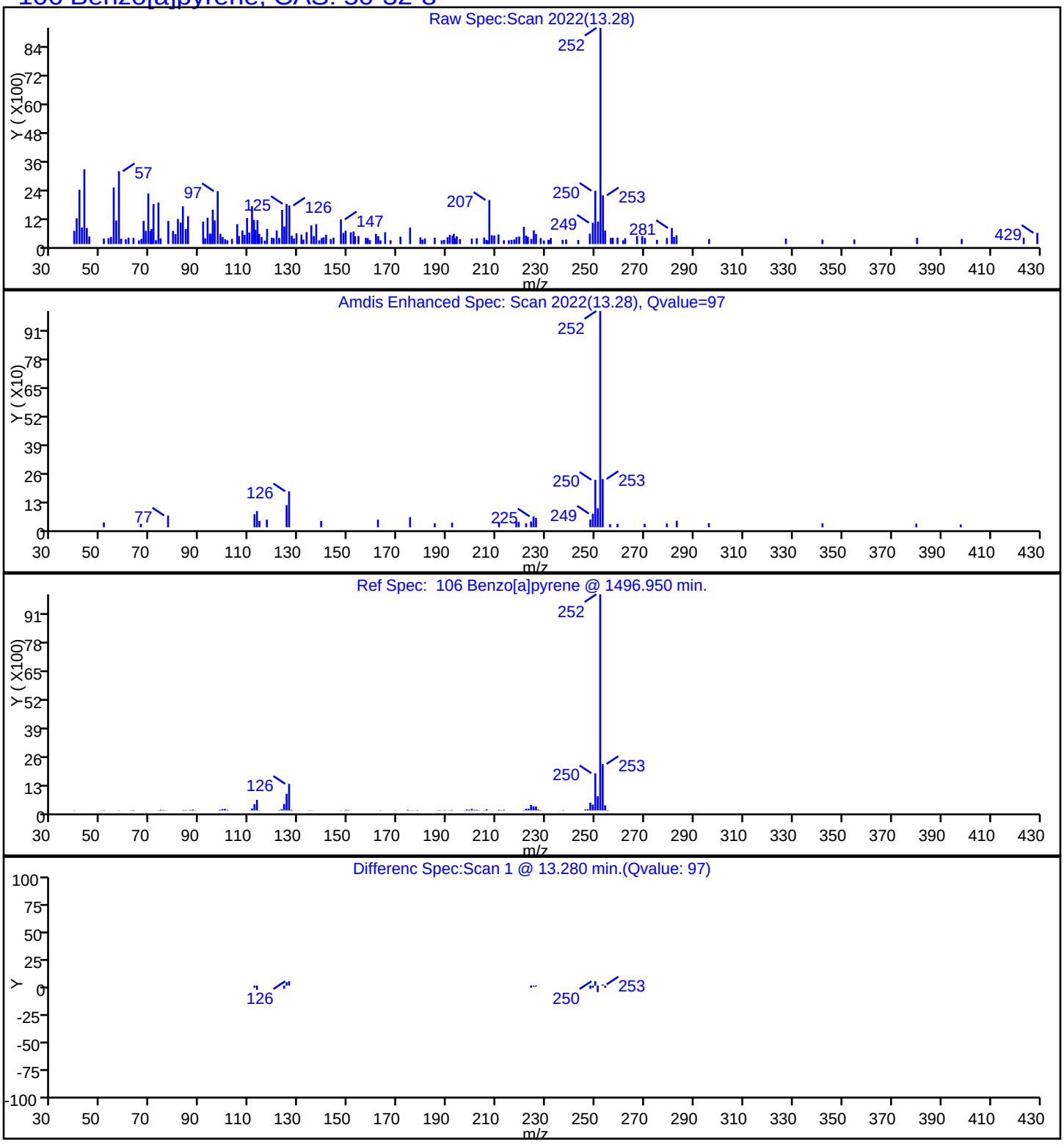


Report Date: 23-Aug-2016 17:00:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D				
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

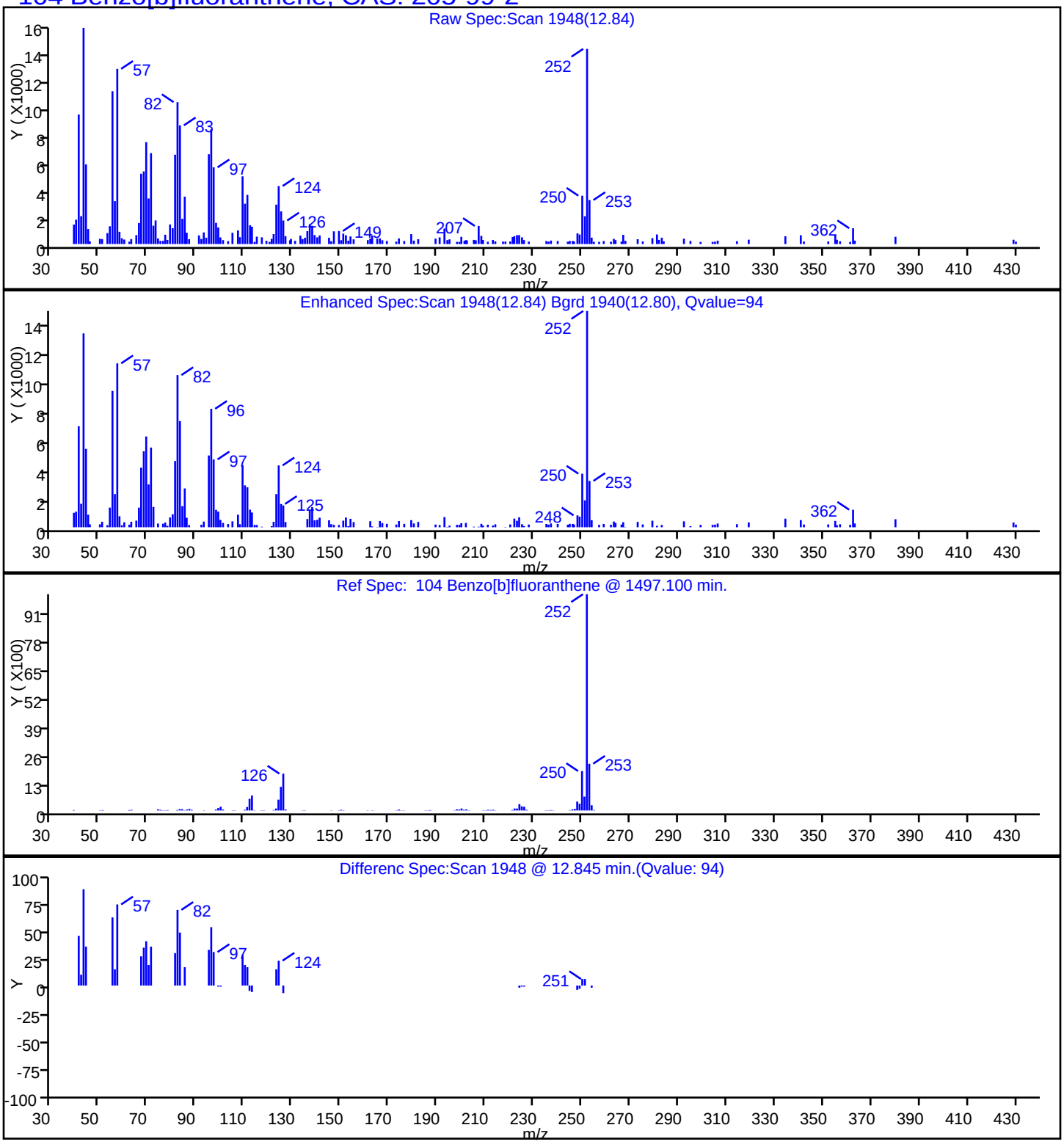


Report Date: 23-Aug-2016 17:00:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D				
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 23-Aug-2016 17:00:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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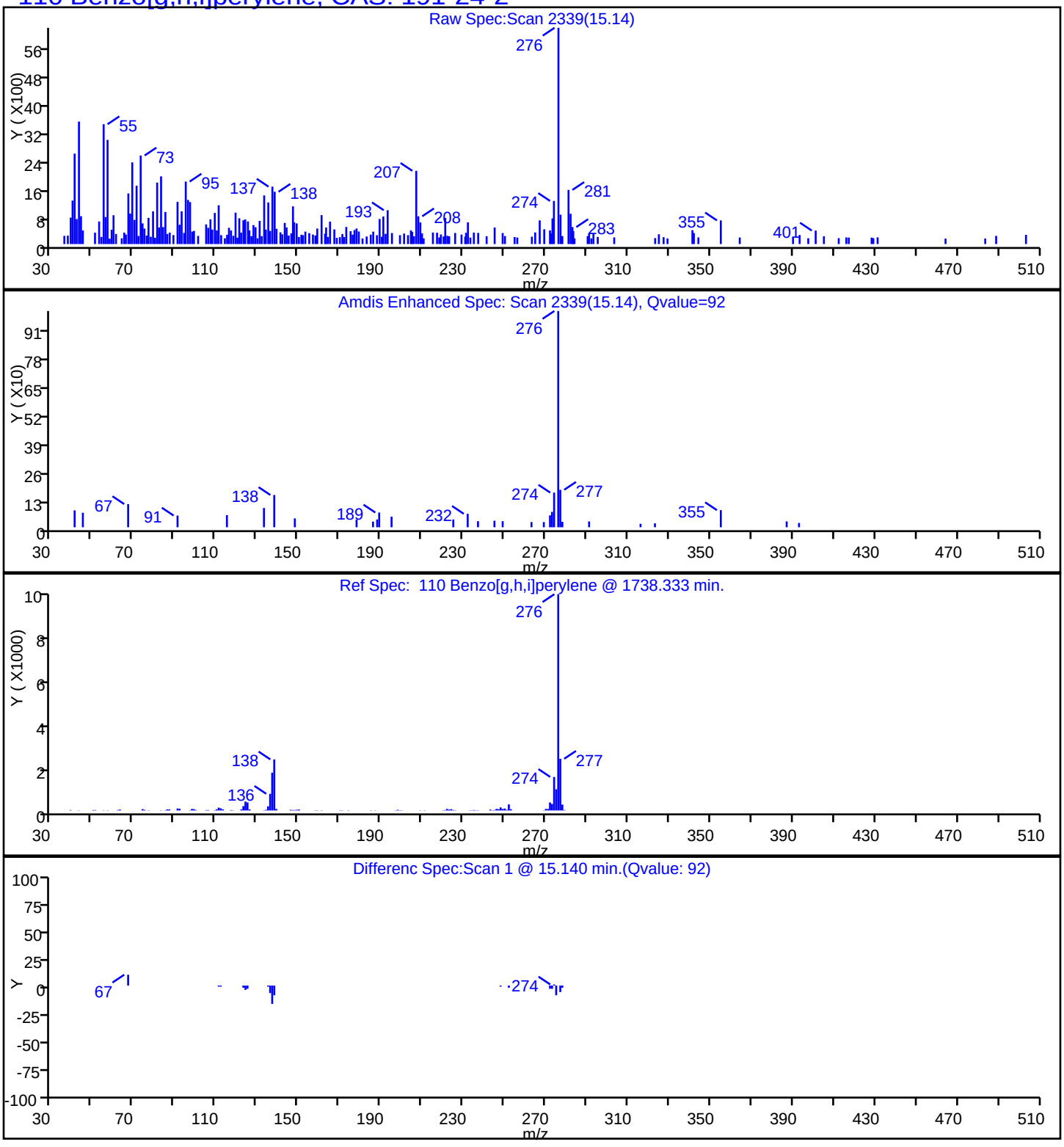
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

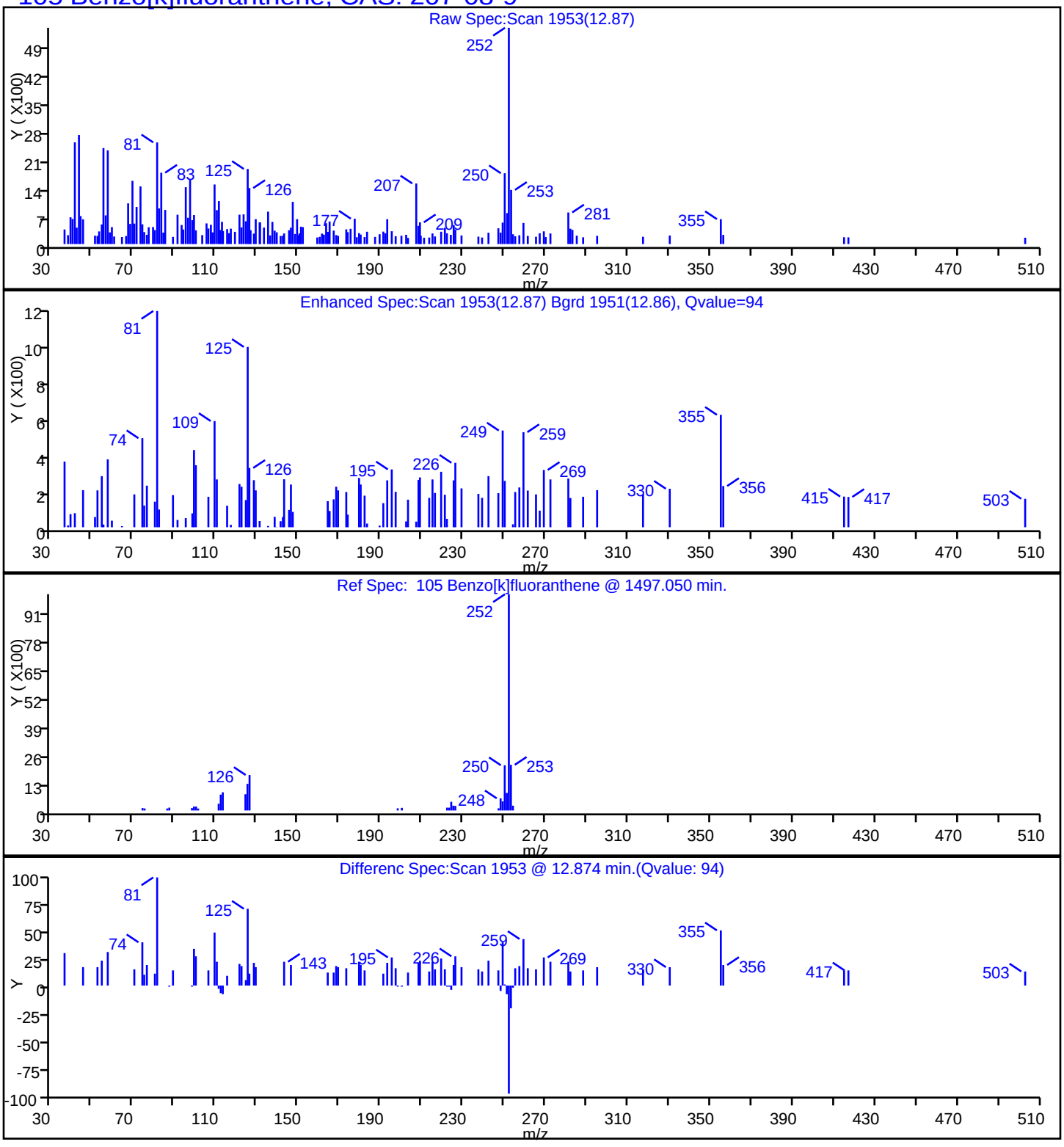


Report Date: 23-Aug-2016 17:00:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D				
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 23-Aug-2016 17:00:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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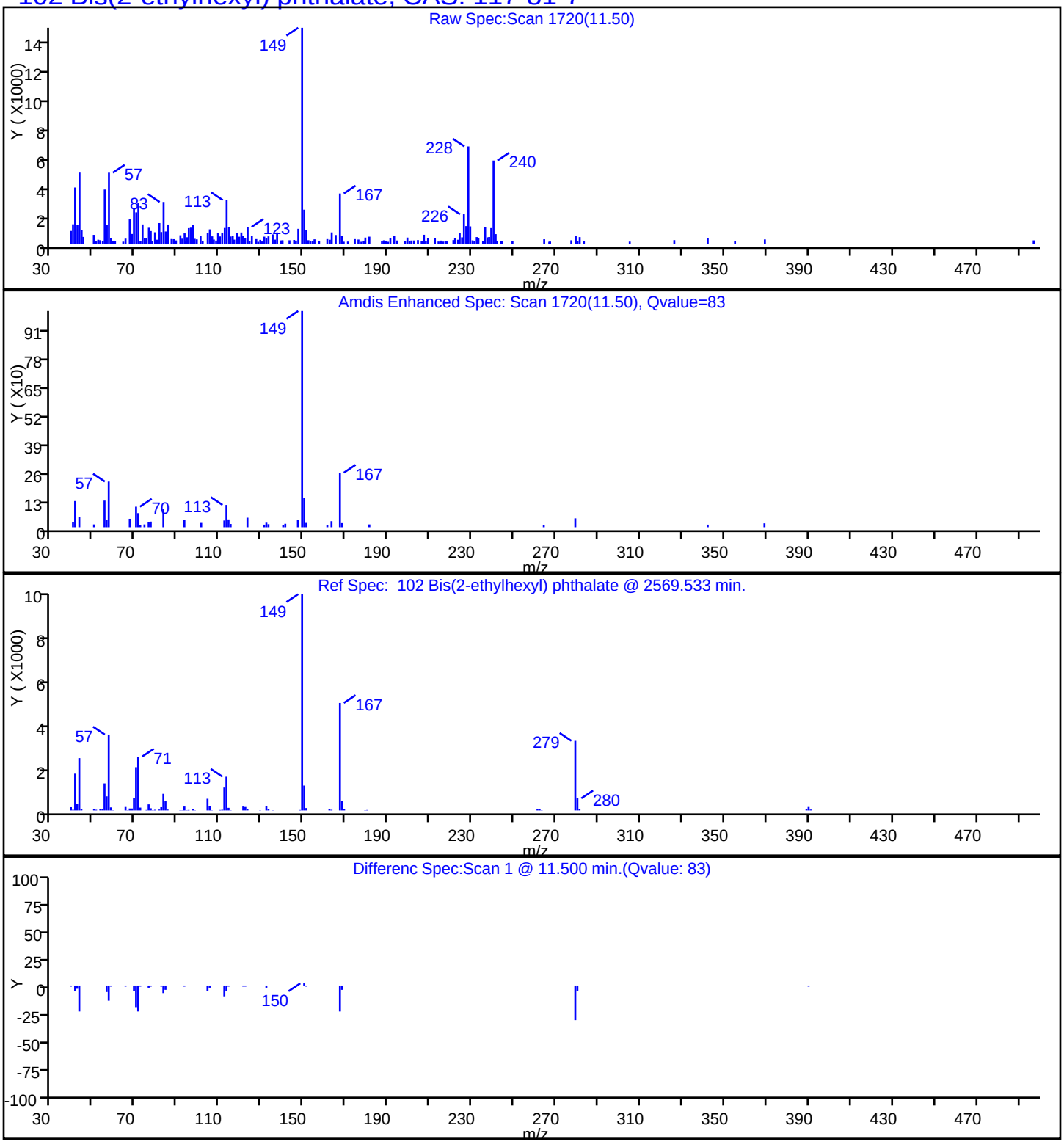
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



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TestAmerica Edison

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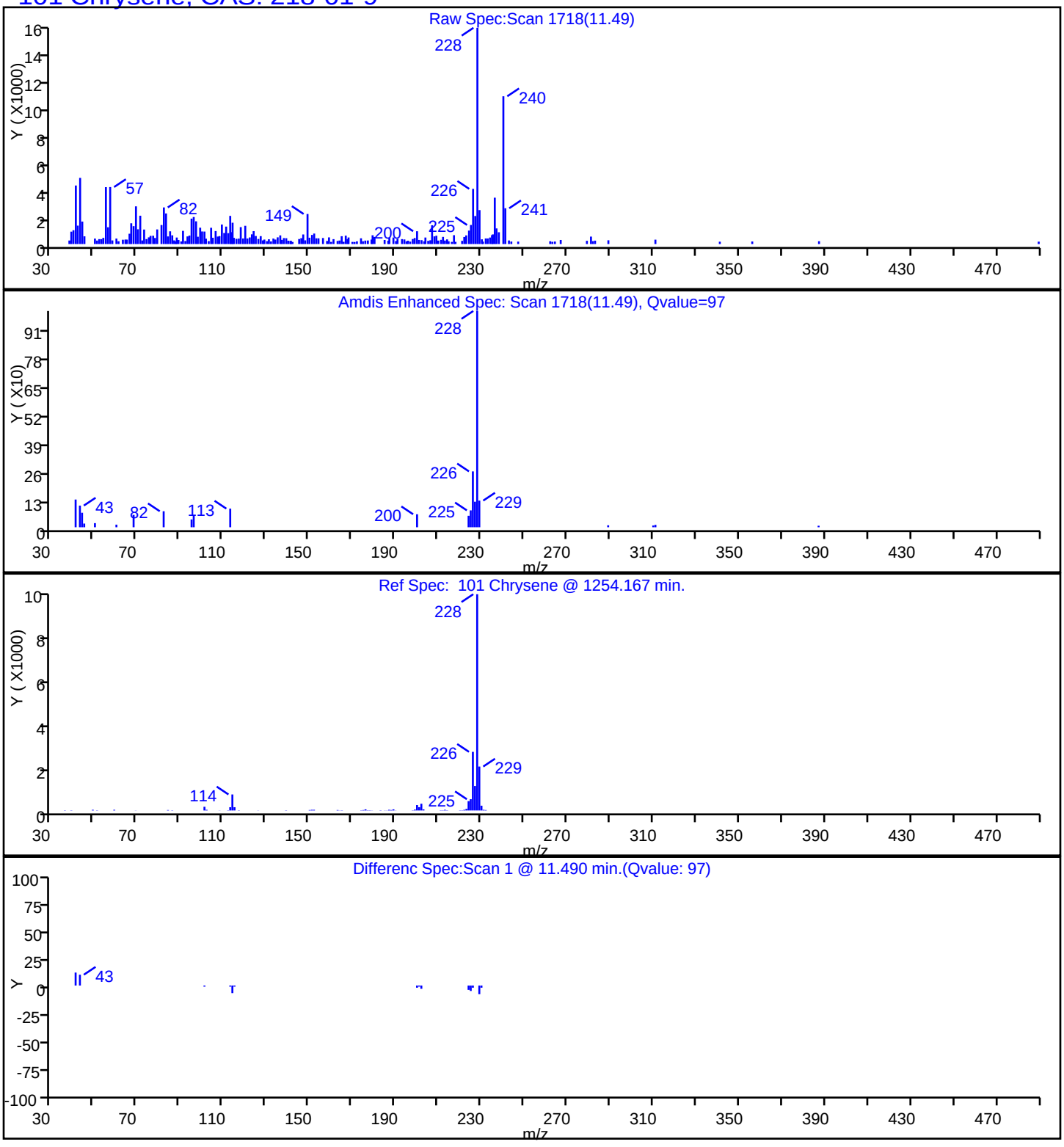
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



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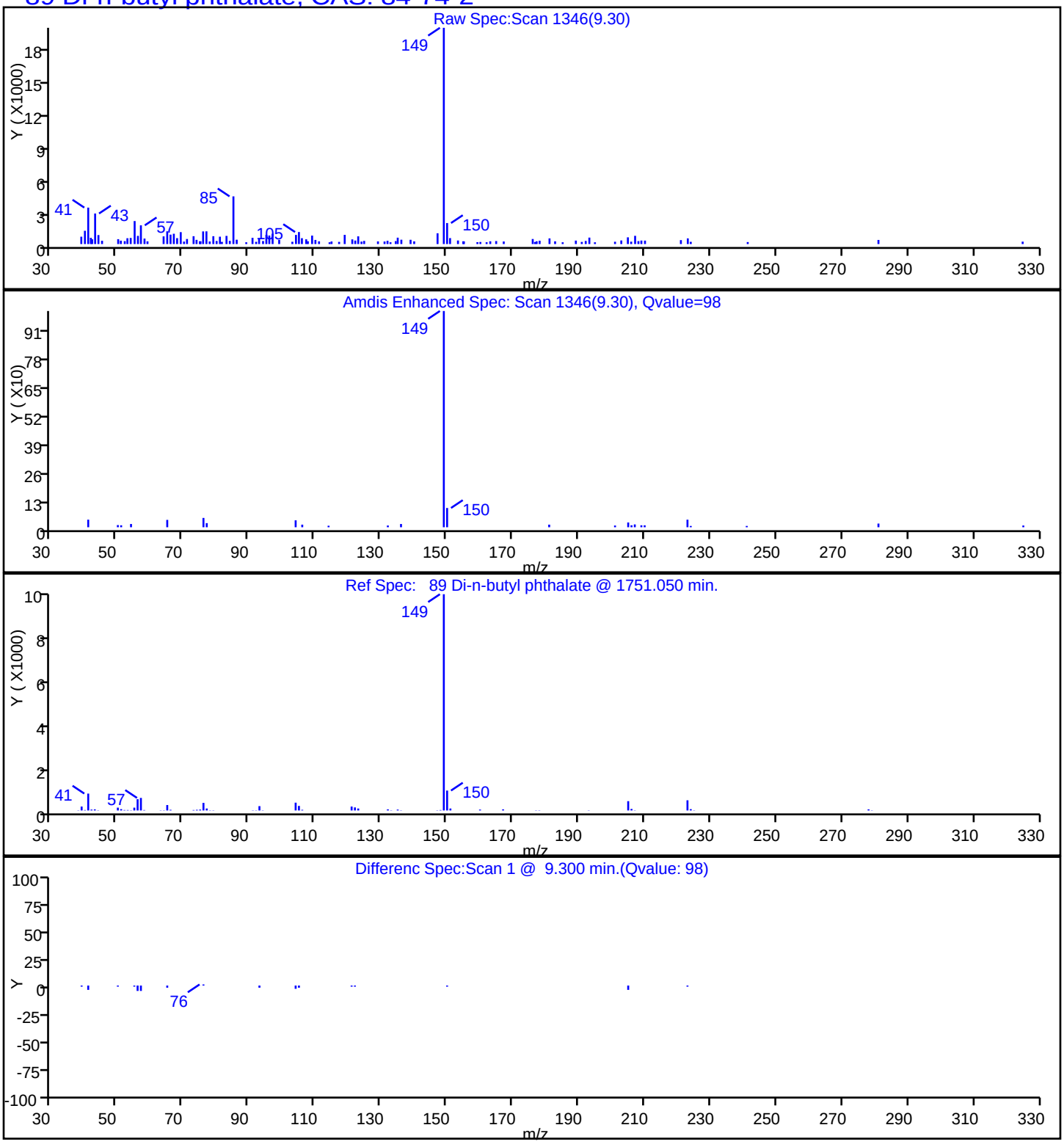
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D

Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



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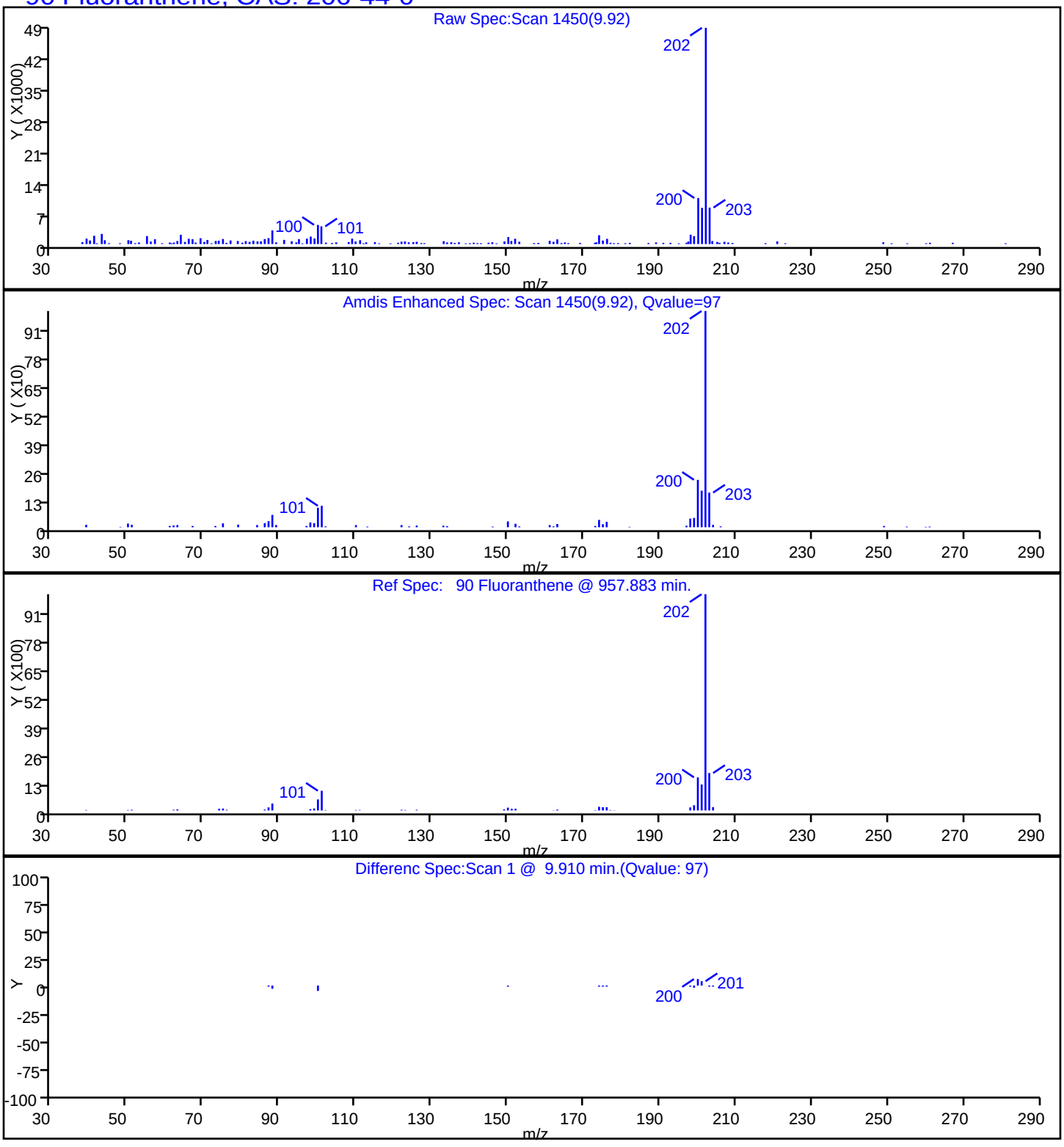
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D

Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



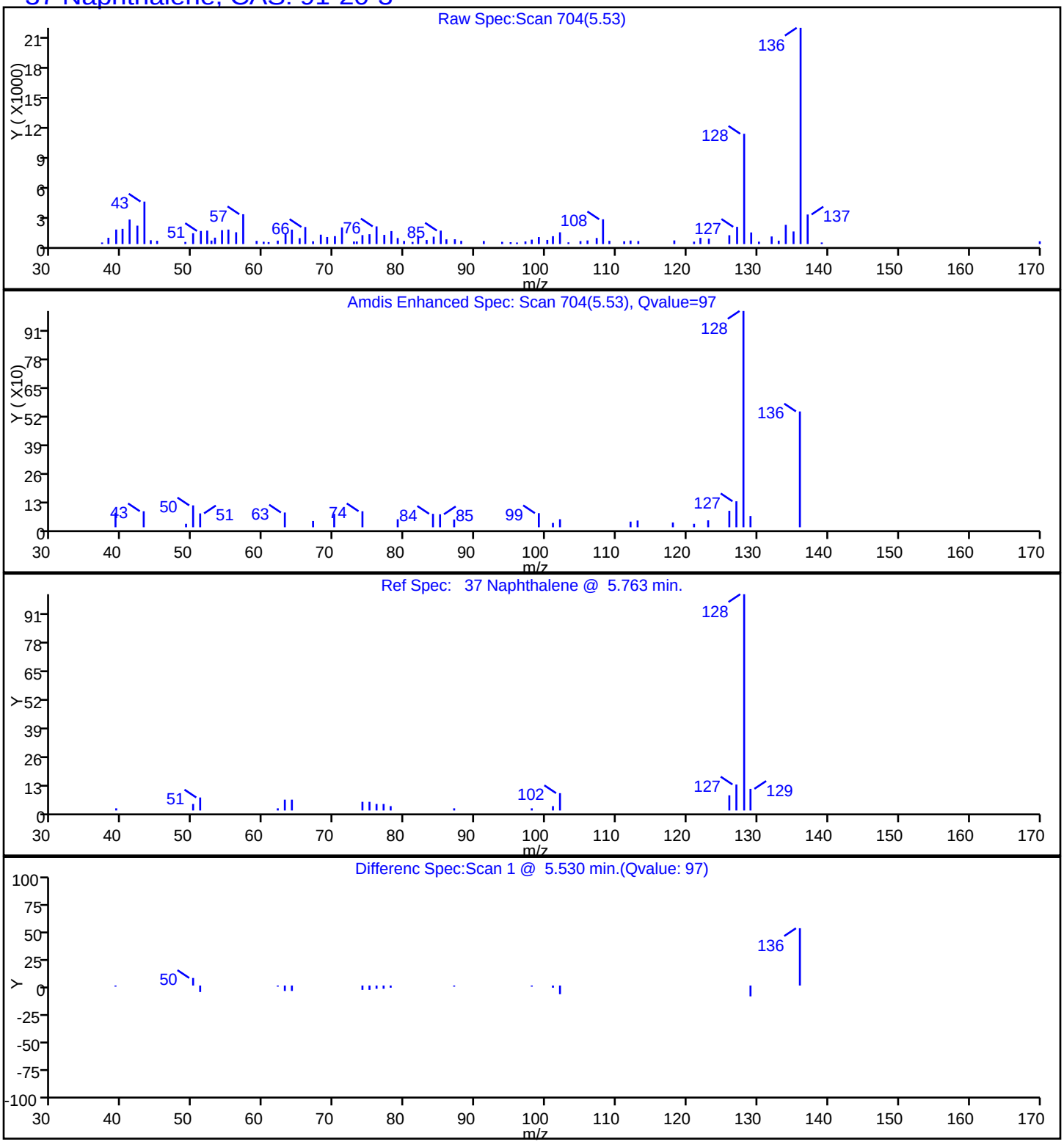
Report Date: 23-Aug-2016 17:00:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D

Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3



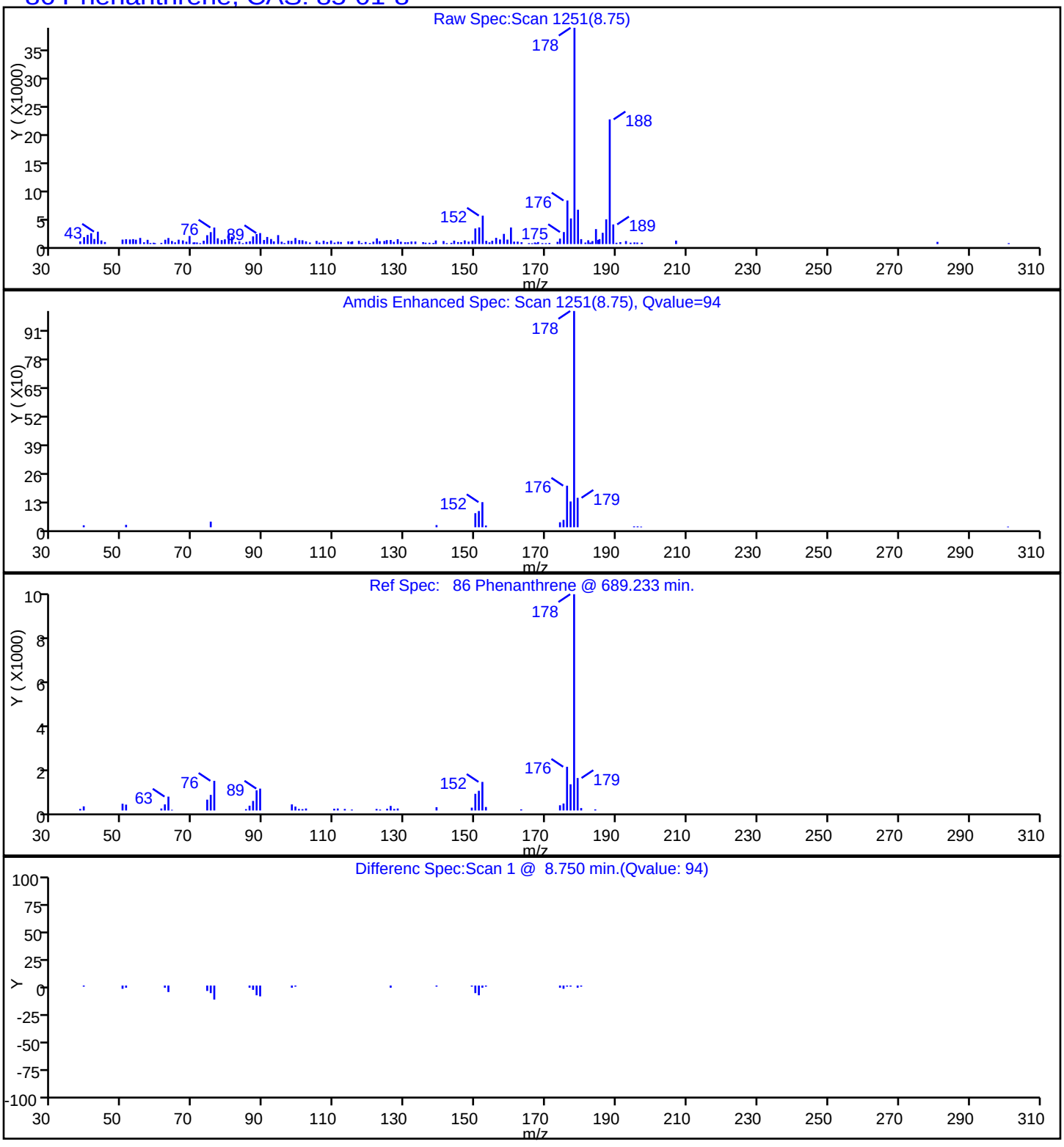
Report Date: 23-Aug-2016 17:00:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D

Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



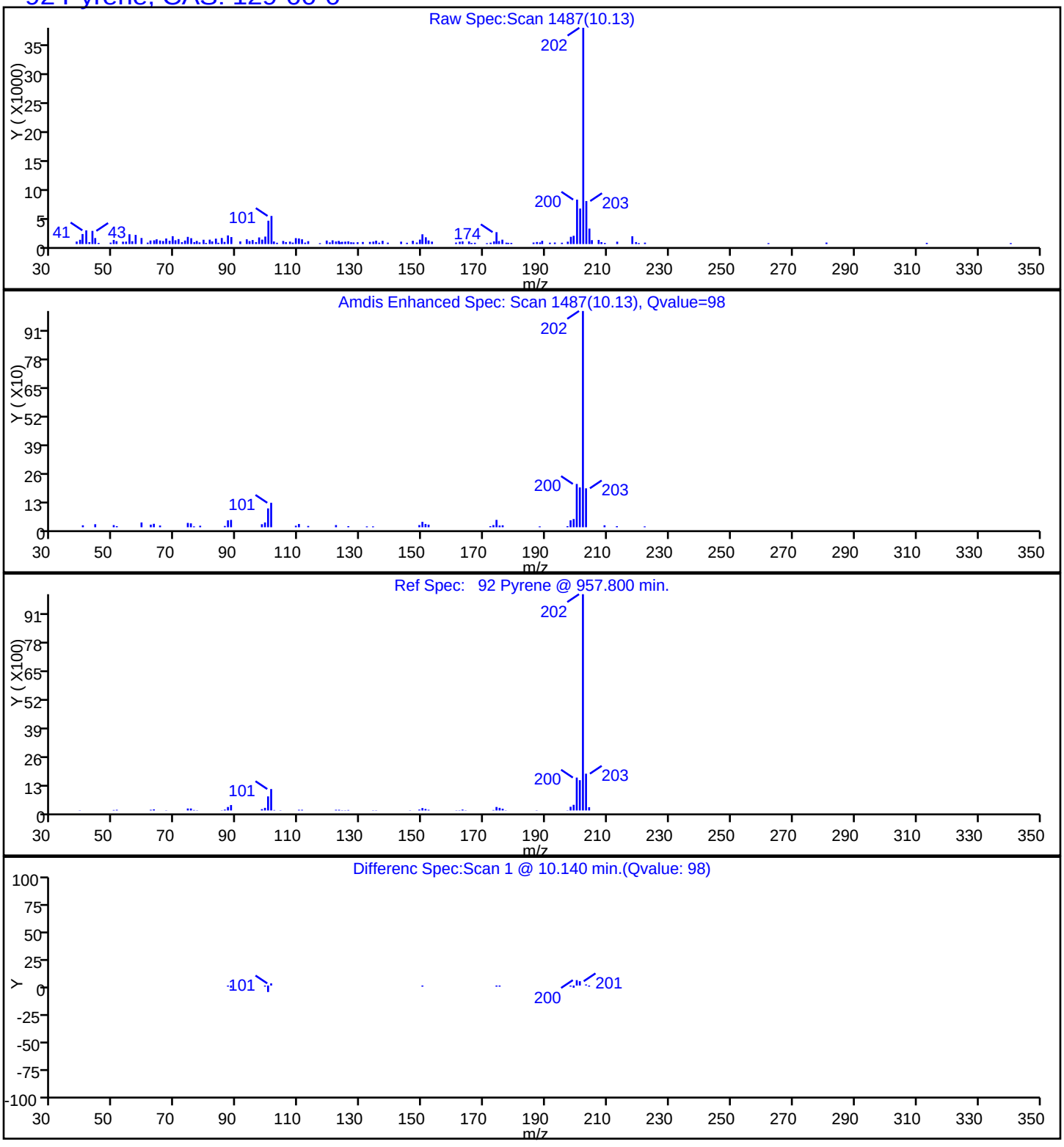
Report Date: 23-Aug-2016 17:00:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D

Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

TestAmerica Edison

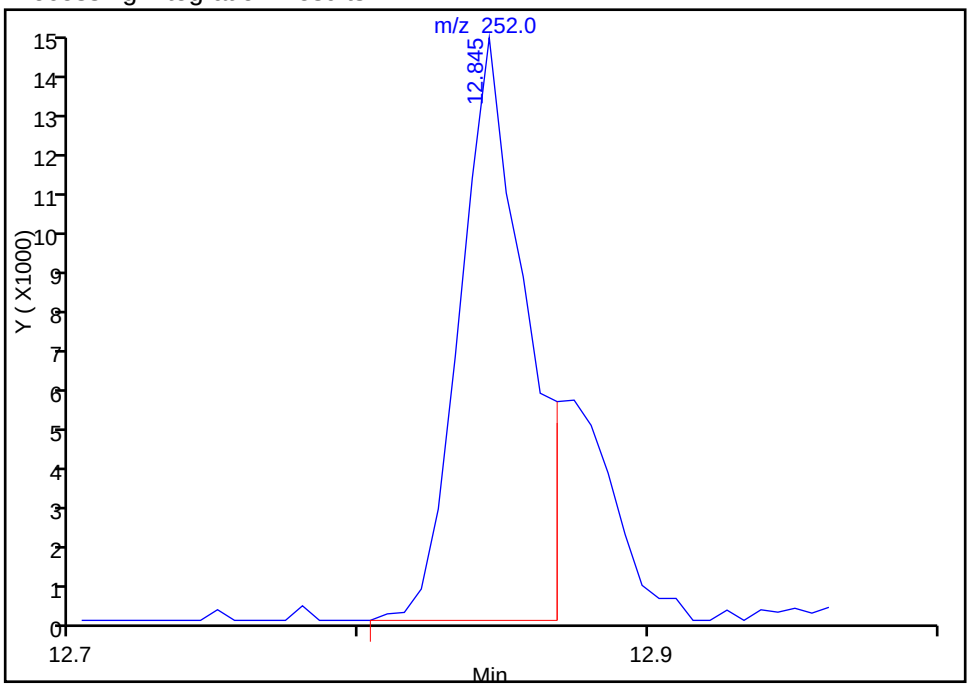
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357803.D				
Injection Date:	23-Aug-2016 09:57:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-1-A	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

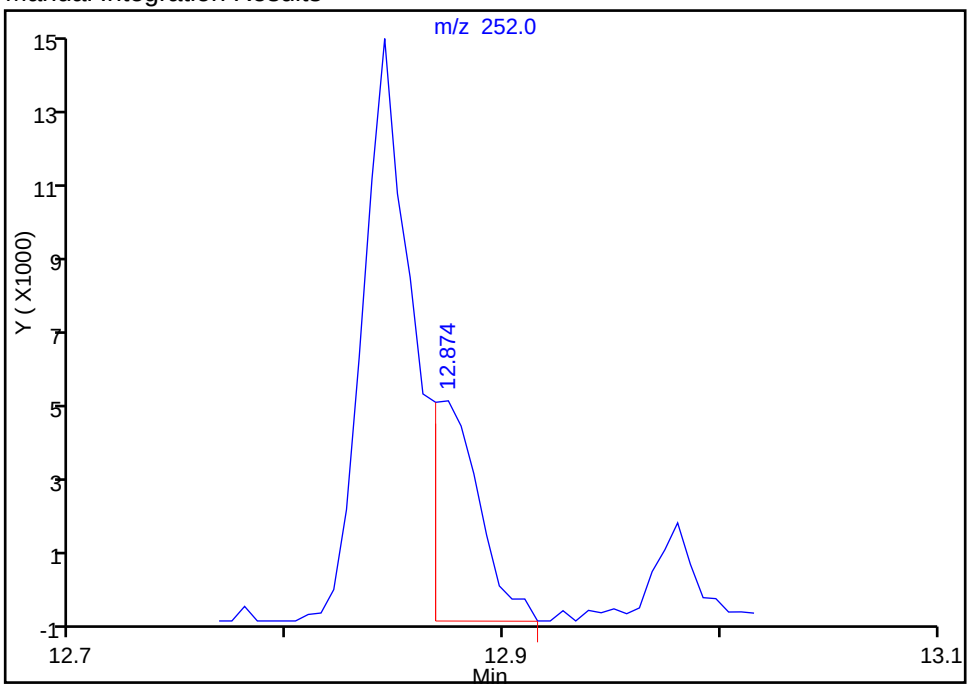
Processing Integration Results

RT: 12.84
Area: 22820
Amount: 0.828259
Amount Units: ug/ml



Manual Integration Results

RT: 12.87
Area: 8124
Amount: 0.294863
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 14:34:10

Audit Action: Manually Integrated Audit Reason: Shouldering

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (13-15) 08182016 | Lab Sample ID: 460-118857-2

Matrix: Solid | Lab File ID: L1357804.D

Analysis Method: 8270D | Date Collected: 08/18/2016 08:56

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0233(g) | Date Analyzed: 08/23/2016 10:22

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 2.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	34	U	34	7.5
95-50-1	1,2-Dichlorobenzene	340	U	340	11
541-73-1	1,3-Dichlorobenzene	340	U	340	26
106-46-7	1,4-Dichlorobenzene	340	U	340	27
108-60-1	2,2'-oxybis[1-chloropropane]	340	U	340	14
121-14-2	2,4-Dinitrotoluene	69	U	69	13
606-20-2	2,6-Dinitrotoluene	69	U	69	18
91-58-7	2-Chloronaphthalene	340	U	340	7.7
91-57-6	2-Methylnaphthalene	340	U	340	7.5
88-74-4	2-Nitroaniline	340	U	340	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	38
99-09-2	3-Nitroaniline	340	U	340	10
101-55-3	4-Bromophenyl phenyl ether	340	U	340	11
106-47-8	4-Chloroaniline	340	U	340	8.7
7005-72-3	4-Chlorophenyl phenyl ether	340	U	340	10
100-01-6	4-Nitroaniline	340	U	340	13
83-32-9	Acenaphthene	340	U	340	8.2
208-96-8	Acenaphthylene	340	U	340	8.7
120-12-7	Anthracene	340	U	340	32
56-55-3	Benzo[a]anthracene	54		34	28
50-32-8	Benzo[a]pyrene	47		34	10
205-99-2	Benzo[b]fluoranthene	73		34	13
191-24-2	Benzo[g,h,i]perylene	26	J	340	19
207-08-9	Benzo[k]fluoranthene	30	J	34	15
111-91-1	Bis(2-chloroethoxy)methane	340	U	340	11
111-44-4	Bis(2-chloroethyl)ether	34	U	34	8.0
117-81-7	Bis(2-ethylhexyl) phthalate	38	J	340	13
85-68-7	Butyl benzyl phthalate	340	U	340	10
86-74-8	Carbazole	340	U	340	8.4
218-01-9	Chrysene	55	J	340	9.2
53-70-3	Dibenz(a,h)anthracene	34	U	34	18
132-64-9	Dibenzofuran	340	U	340	10
84-66-2	Diethyl phthalate	340	U	340	9.6
131-11-3	Dimethyl phthalate	340	U	340	9.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (13-15) 08182016 | Lab Sample ID: 460-118857-2

Matrix: Solid | Lab File ID: L1357804.D

Analysis Method: 8270D | Date Collected: 08/18/2016 08:56

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0233(g) | Date Analyzed: 08/23/2016 10:22

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 2.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	39	J	340	10
117-84-0	Di-n-octyl phthalate	340	U	340	17
206-44-0	Fluoranthene	80	J	340	10
86-73-7	Fluorene	340	U	340	7.4
118-74-1	Hexachlorobenzene	34	U	34	14
87-68-3	Hexachlorobutadiene	69	U	69	9.5
77-47-4	Hexachlorocyclopentadiene	340	U	340	21
67-72-1	Hexachloroethane	34	U	34	12
193-39-5	Indeno[1,2,3-cd]pyrene	29	J	34	23
78-59-1	Isophorone	140	U	140	7.3
91-20-3	Naphthalene	340	U	340	8.6
98-95-3	Nitrobenzene	34	U	34	11
621-64-7	N-Nitrosodi-n-propylamine	34	U	34	11
86-30-6	N-Nitrosodiphenylamine	340	U	340	31
85-01-8	Phenanthrene	49	J	340	9.0
129-00-0	Pyrene	90	J	340	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	77		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	70		37-94
1718-51-0	Terphenyl-d14 (Surr)	82		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D
Lims ID: 460-118857-F-2-A
Client ID: SB-10 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 10:22:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-008
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: nimerd Date: 23-Aug-2016 10:40:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	95	859086	40.0	
$ 26 Nitrobenzene-d5	82	4.781	4.792	-0.011	89	878091	35.2	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2848250	40.0	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	96	1999211	38.4	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1439930	40.0	
* 85 Phenanthrene-d10	188	8.728	8.728	0.000	98	1961732	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	95	39305	0.7134	
87 Anthracene	178	8.798	8.804	-0.006	76	5831	0.1022	7
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	99	33501	0.5755	
90 Fluoranthene	202	9.916	9.916	0.000	98	65351	1.17	
92 Pyrene	202	10.133	10.139	-0.006	98	58204	1.31	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1360311	41.1	
99 Benzo[a]anthracene	228	11.451	11.457	-0.006	97	29610	0.7948	
* 100 Chrysene-d12	240	11.463	11.469	-0.006	99	1241631	40.0	
101 Chrysene	228	11.492	11.498	-0.006	97	28281	0.8059	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	83	15333	0.5595	
104 Benzo[b]fluoranthene	252	12.845	12.851	-0.006	96	32321	1.06	
105 Benzo[k]fluoranthene	252	12.874	12.886	-0.012	16	14001	0.4396	
106 Benzo[a]pyrene	252	13.286	13.292	-0.006	96	19746	0.6861	
* 107 Perylene-d12	264	13.363	13.368	-0.005	99	1054533	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.798	14.809	-0.011	95	13109	0.4177	
109 Dibenz(a,h)anthracene	278	14.827	14.839	-0.012	27	4354	0.1339	
110 Benzo[g,h,i]perylene	276	15.139	15.156	-0.017	92	10434	0.3798	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

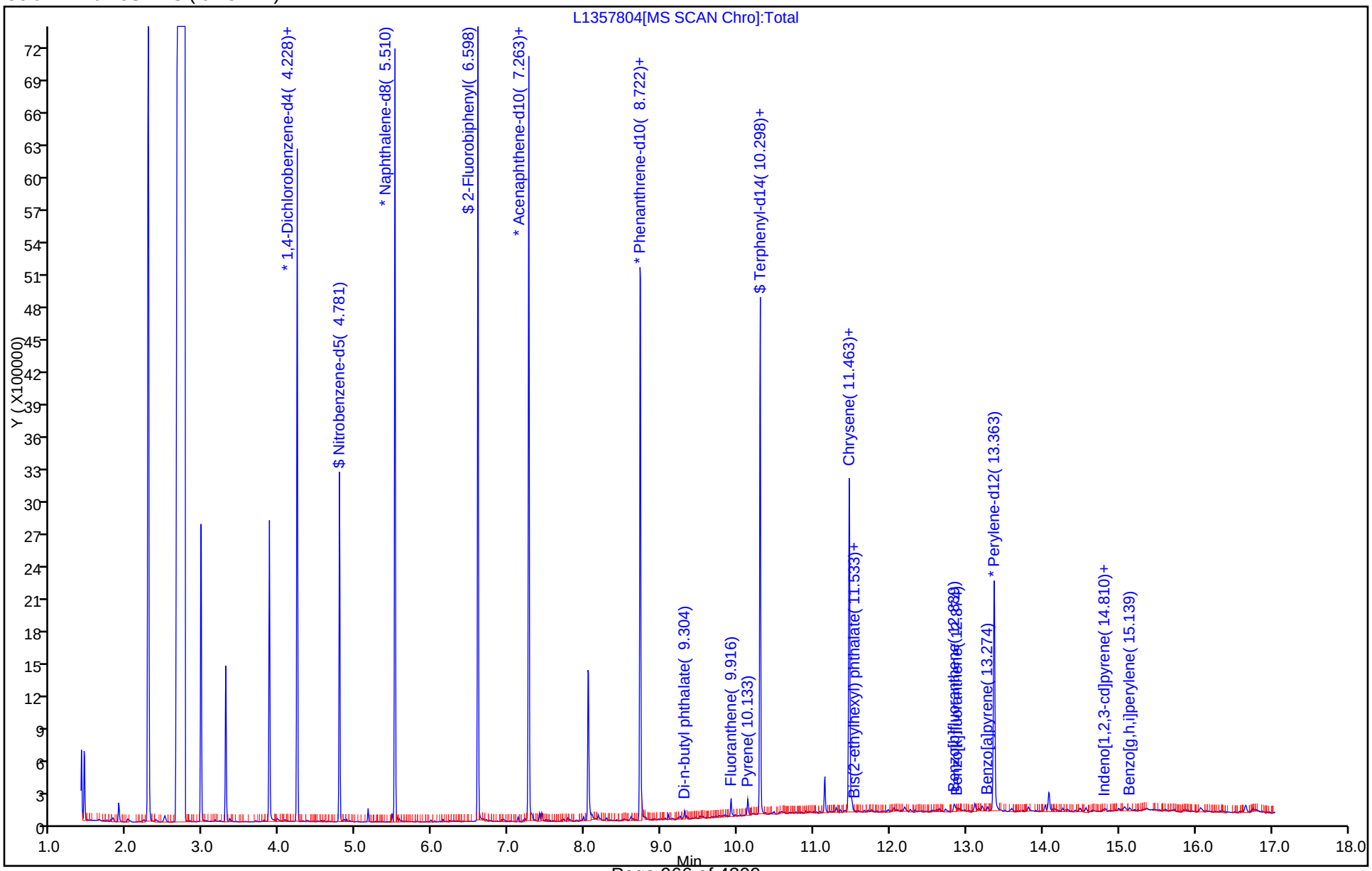
Report Date: 23-Aug-2016 17:00:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D

Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2	Worklist Smp#:	8
Client ID:	SB-10 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



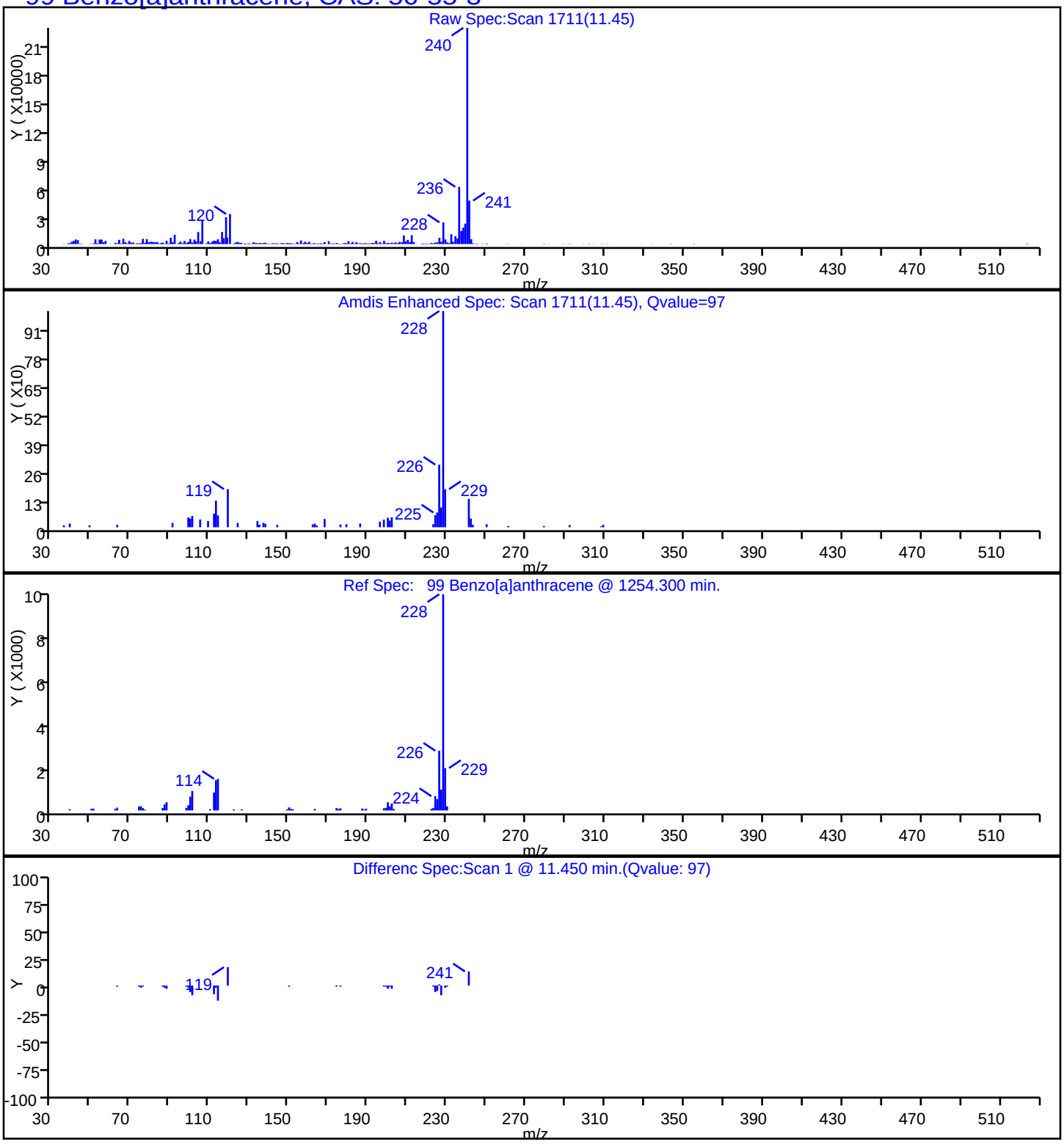
Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D

Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

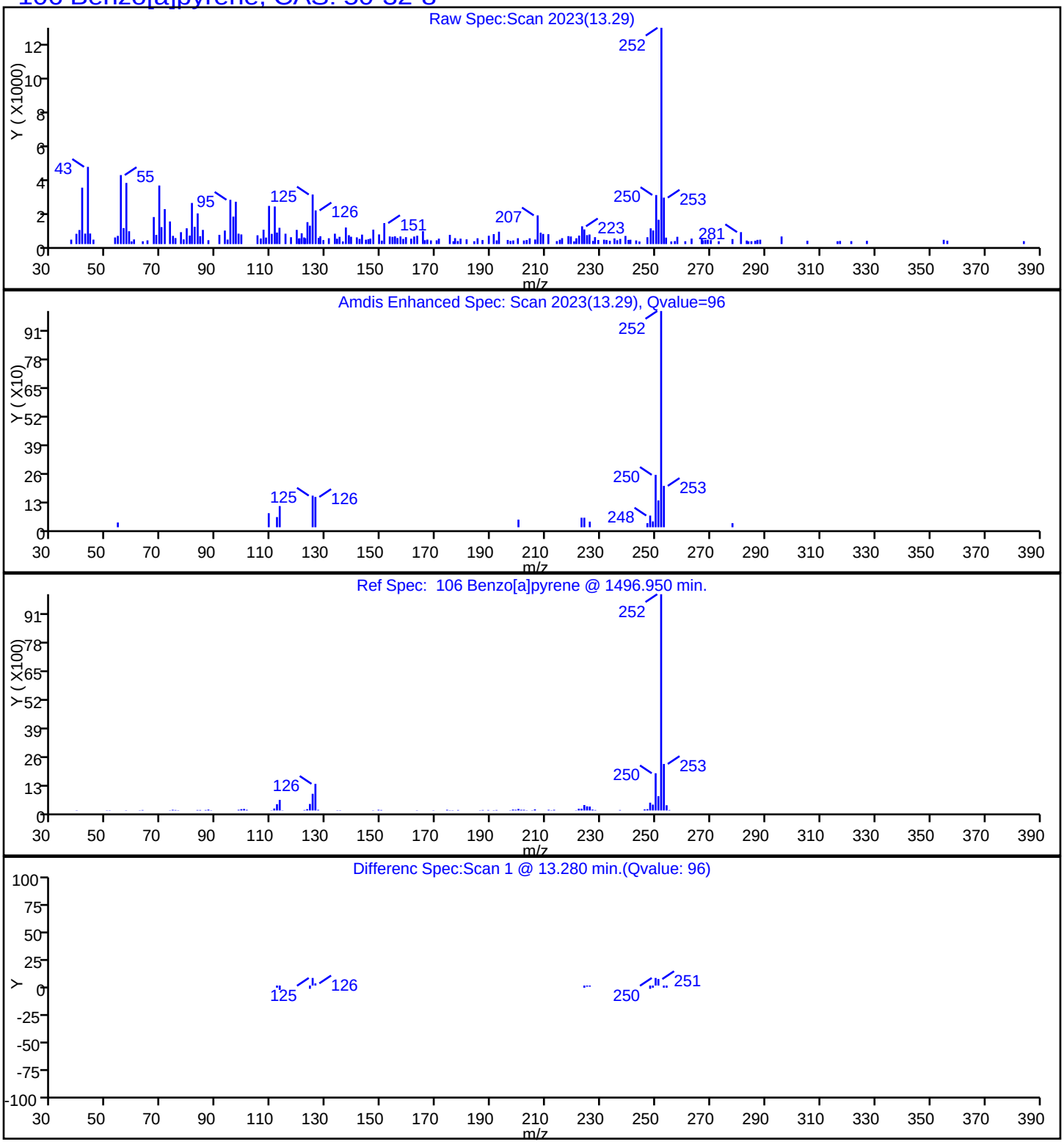


Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D				
Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



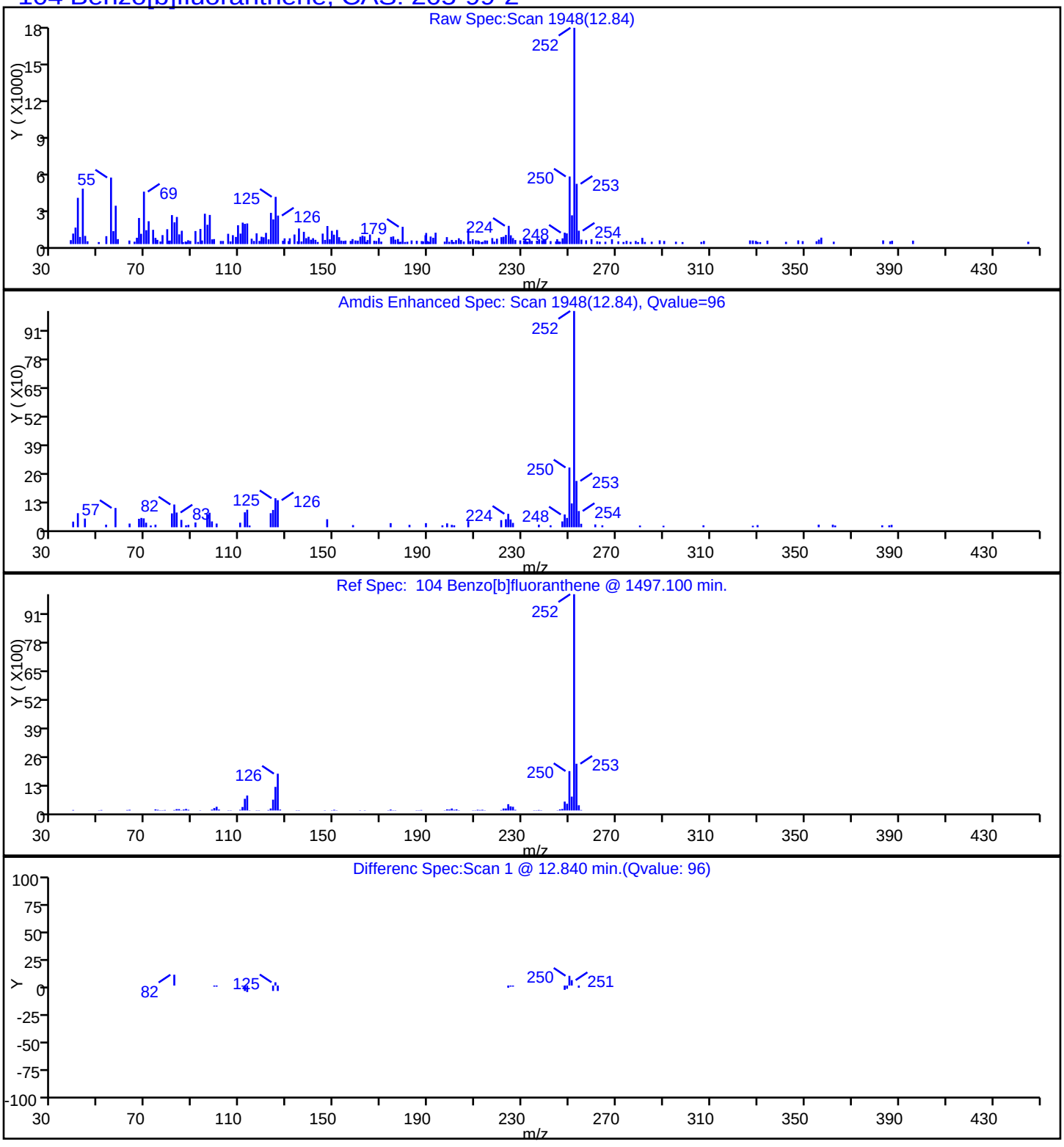
Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D

Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

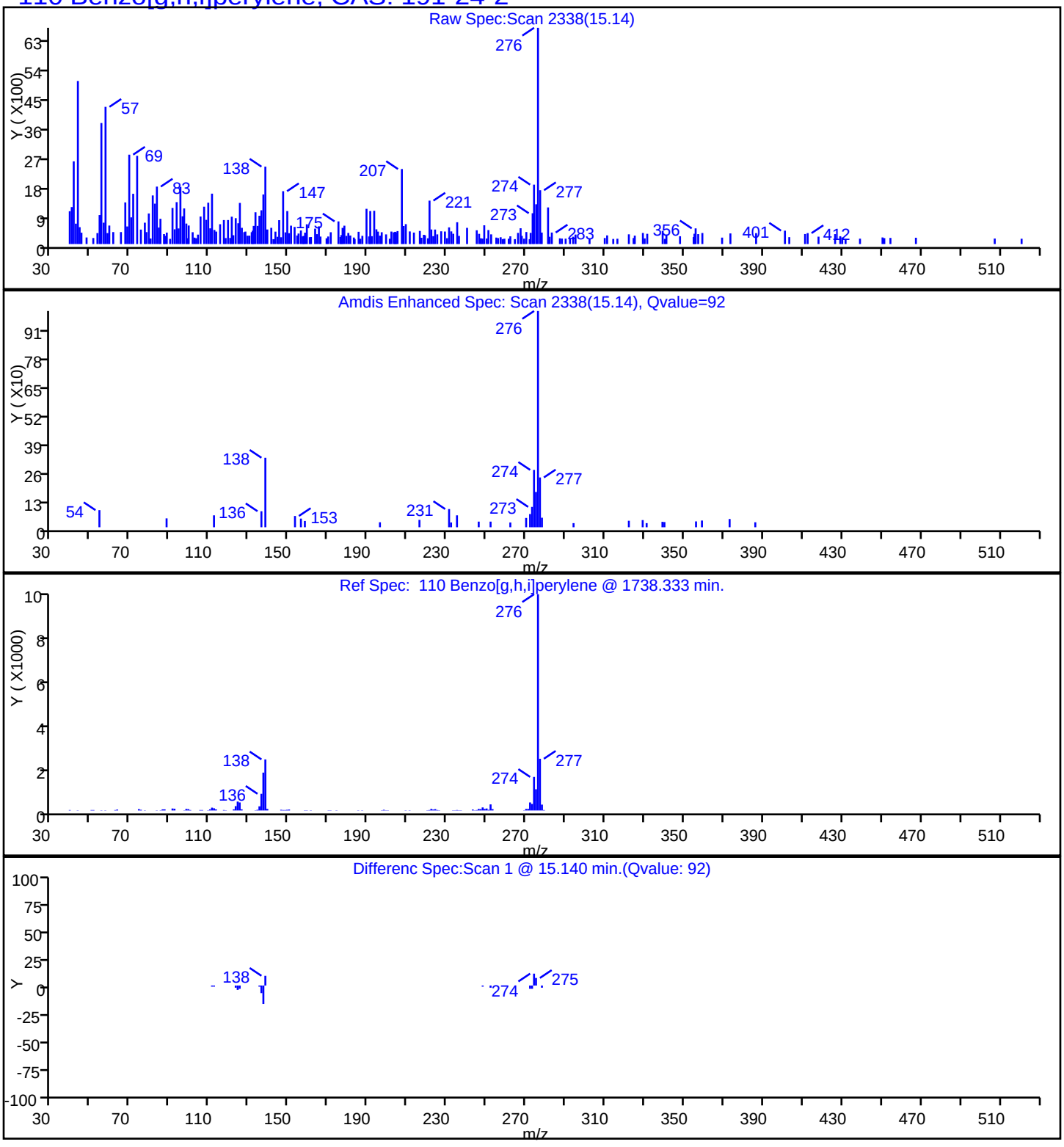


Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D				
Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

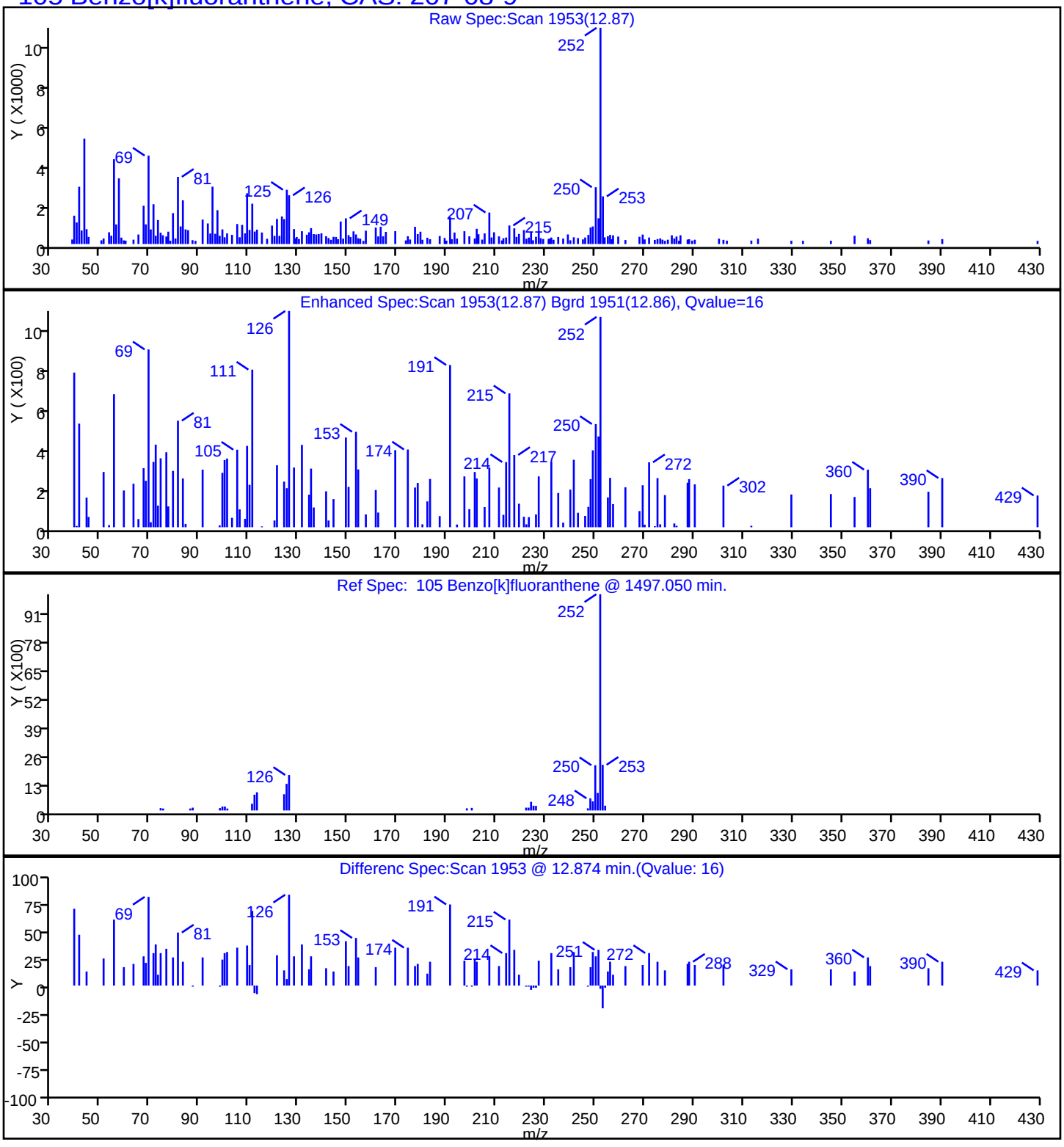


Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D				
Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

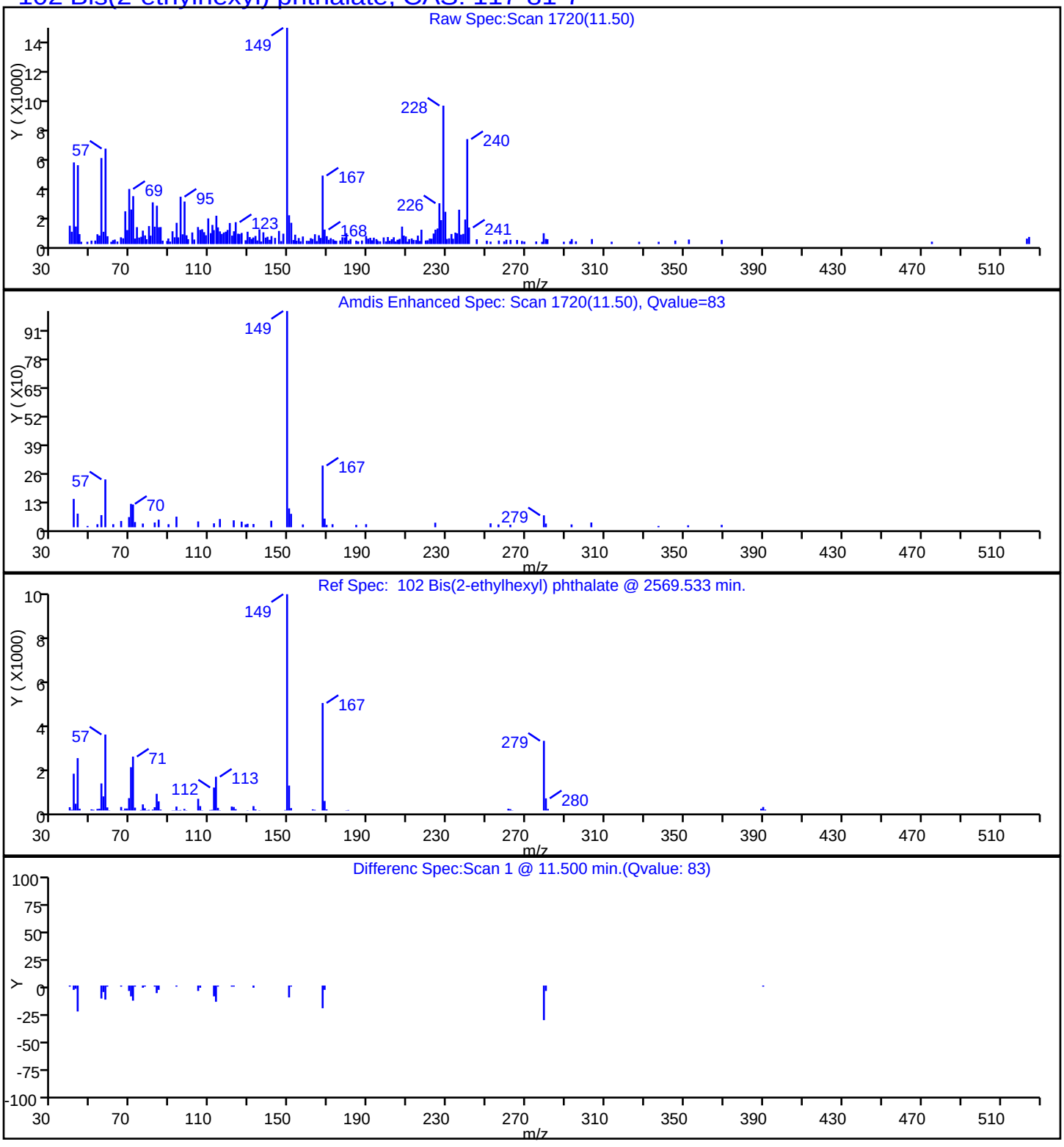


Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D				
Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



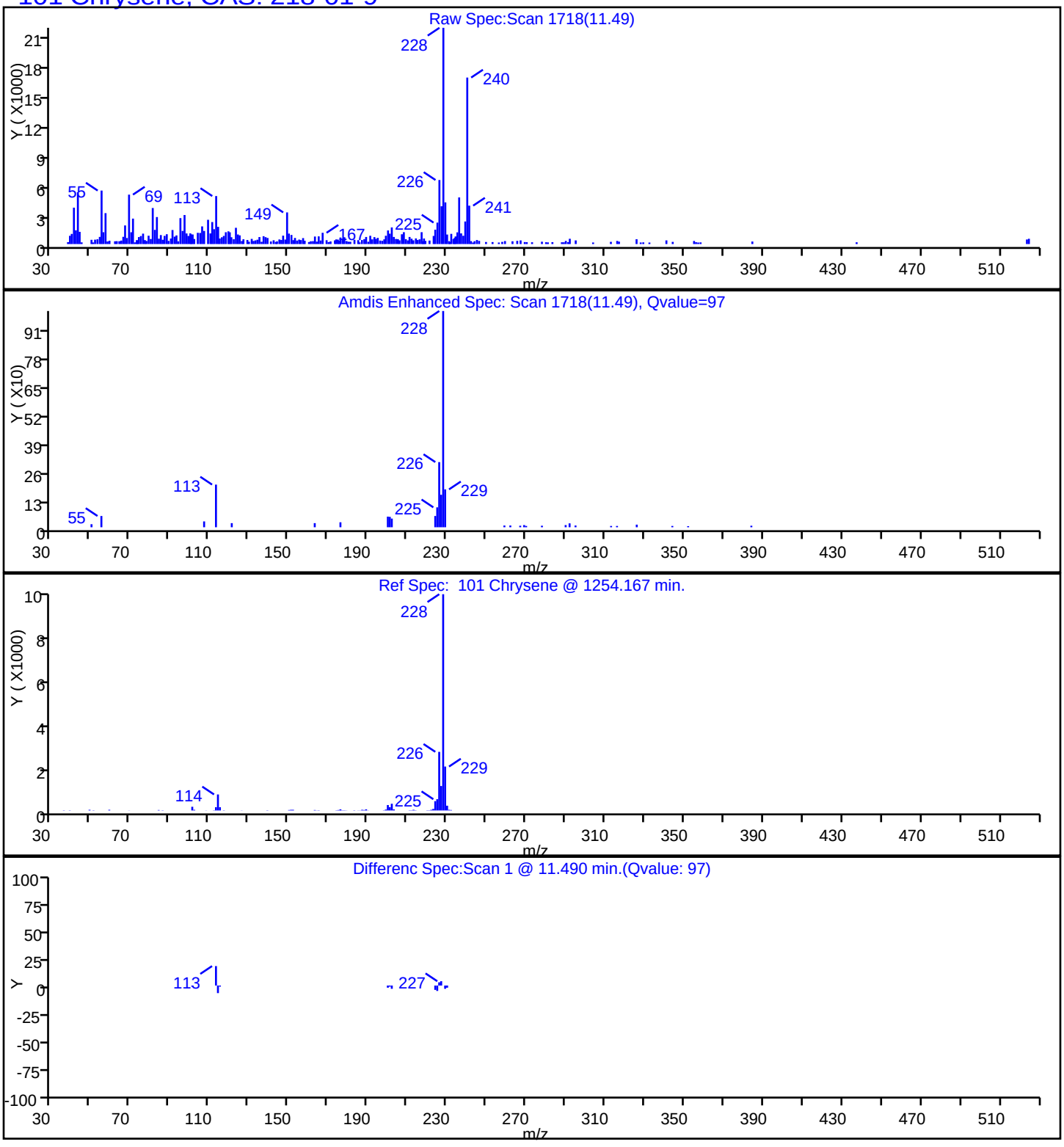
Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D

Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



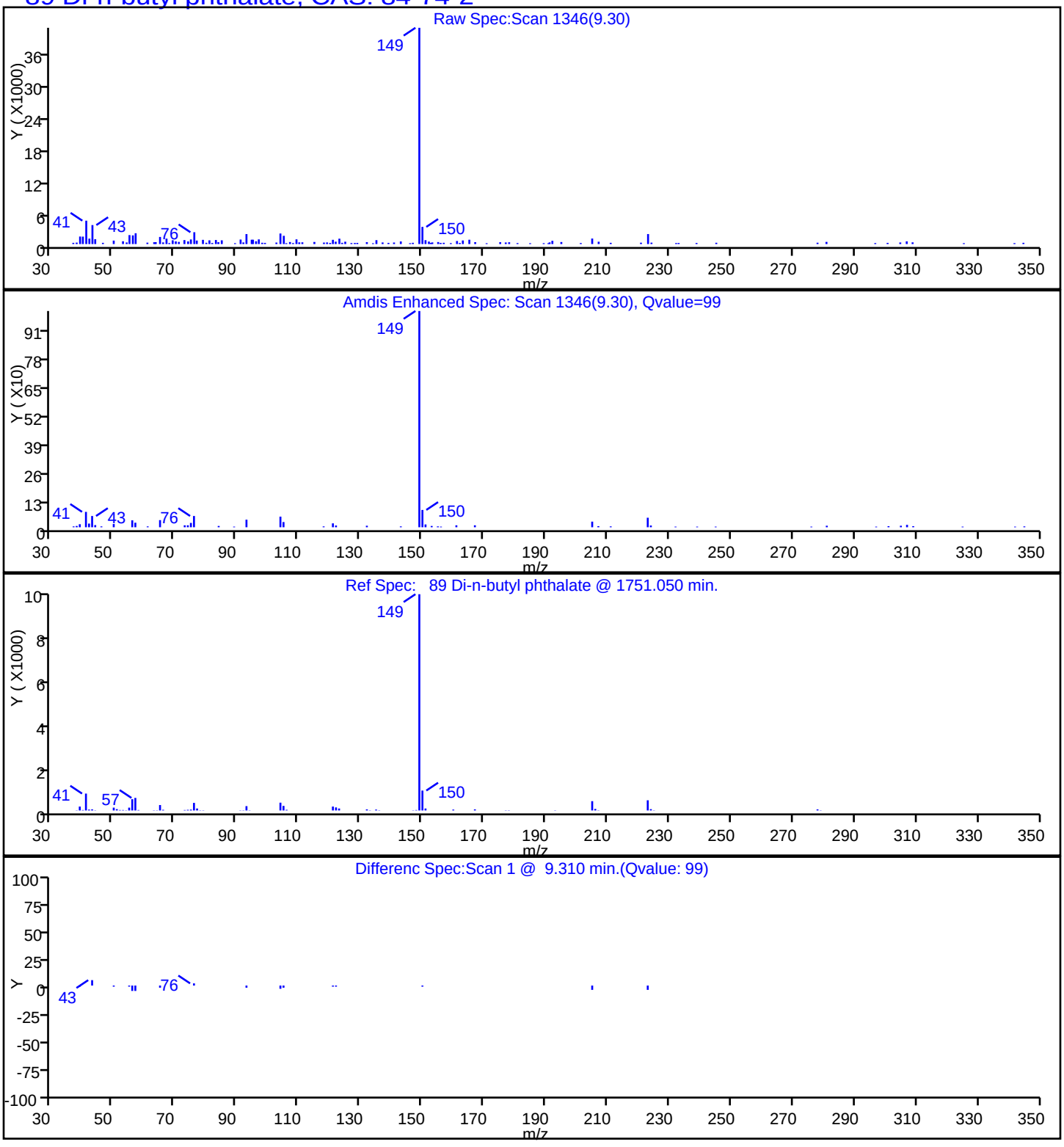
Report Date: 23-Aug-2016 17:00:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D

Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



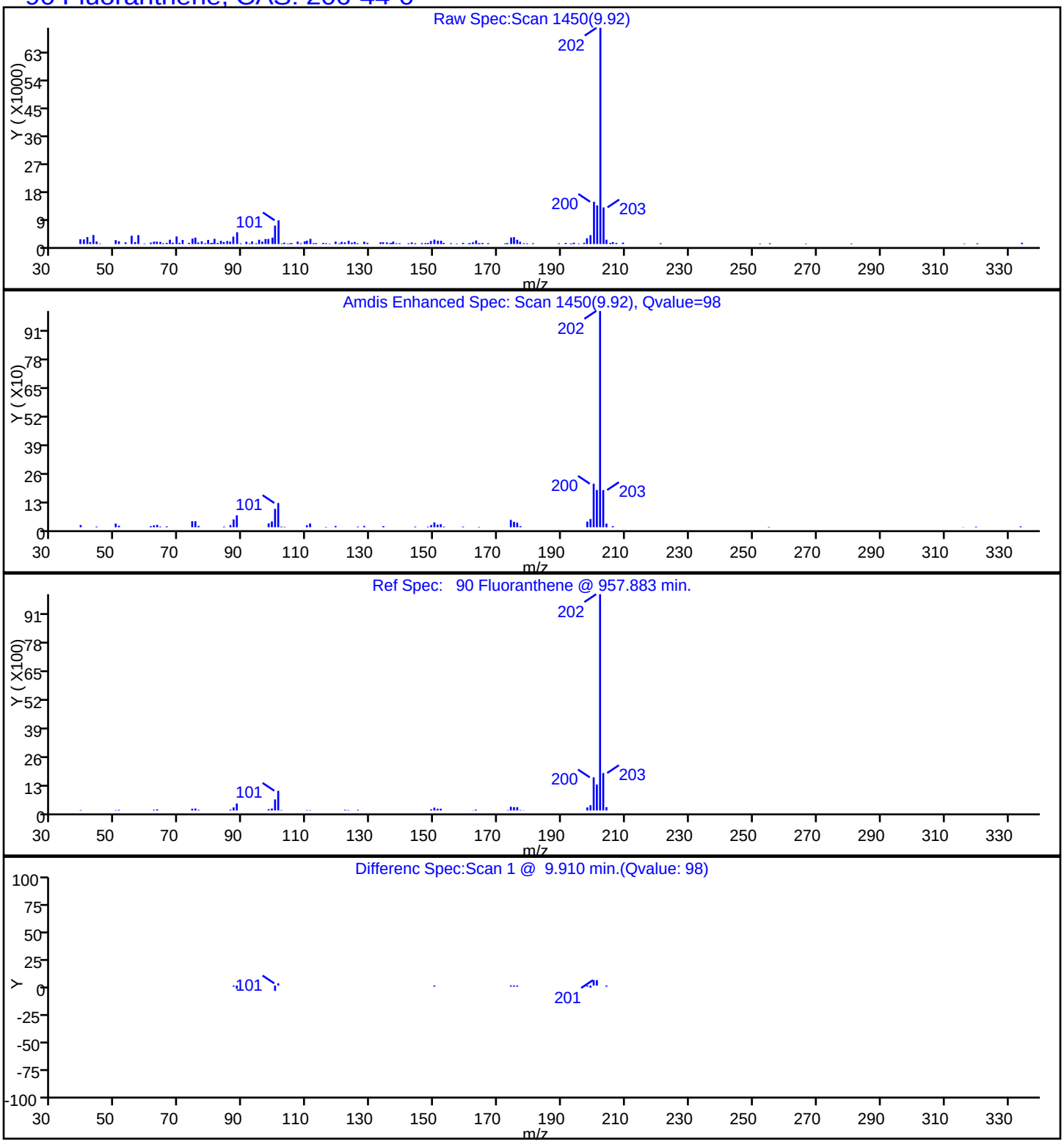
Report Date: 23-Aug-2016 17:00:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D

Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0

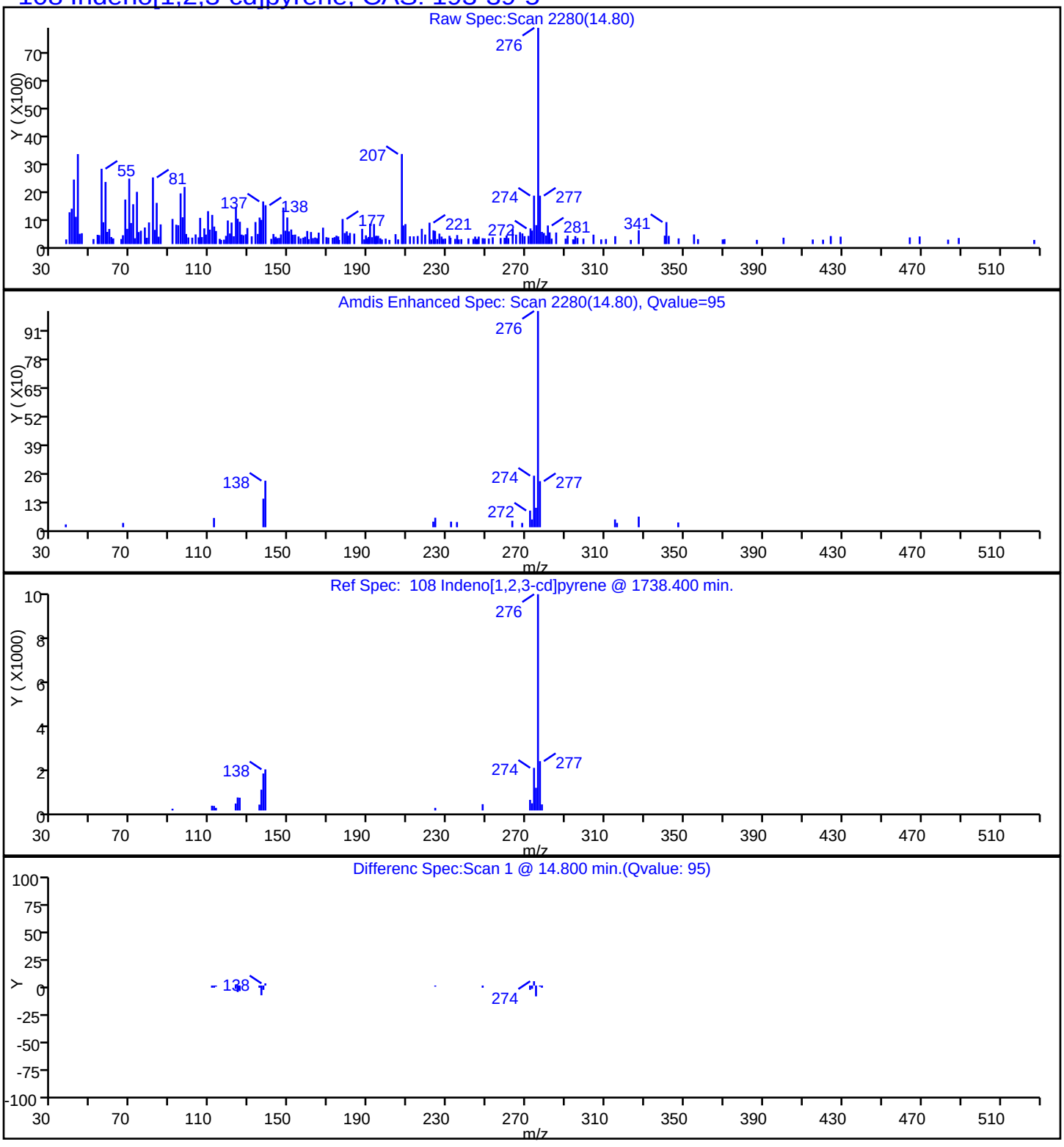


Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D				
Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

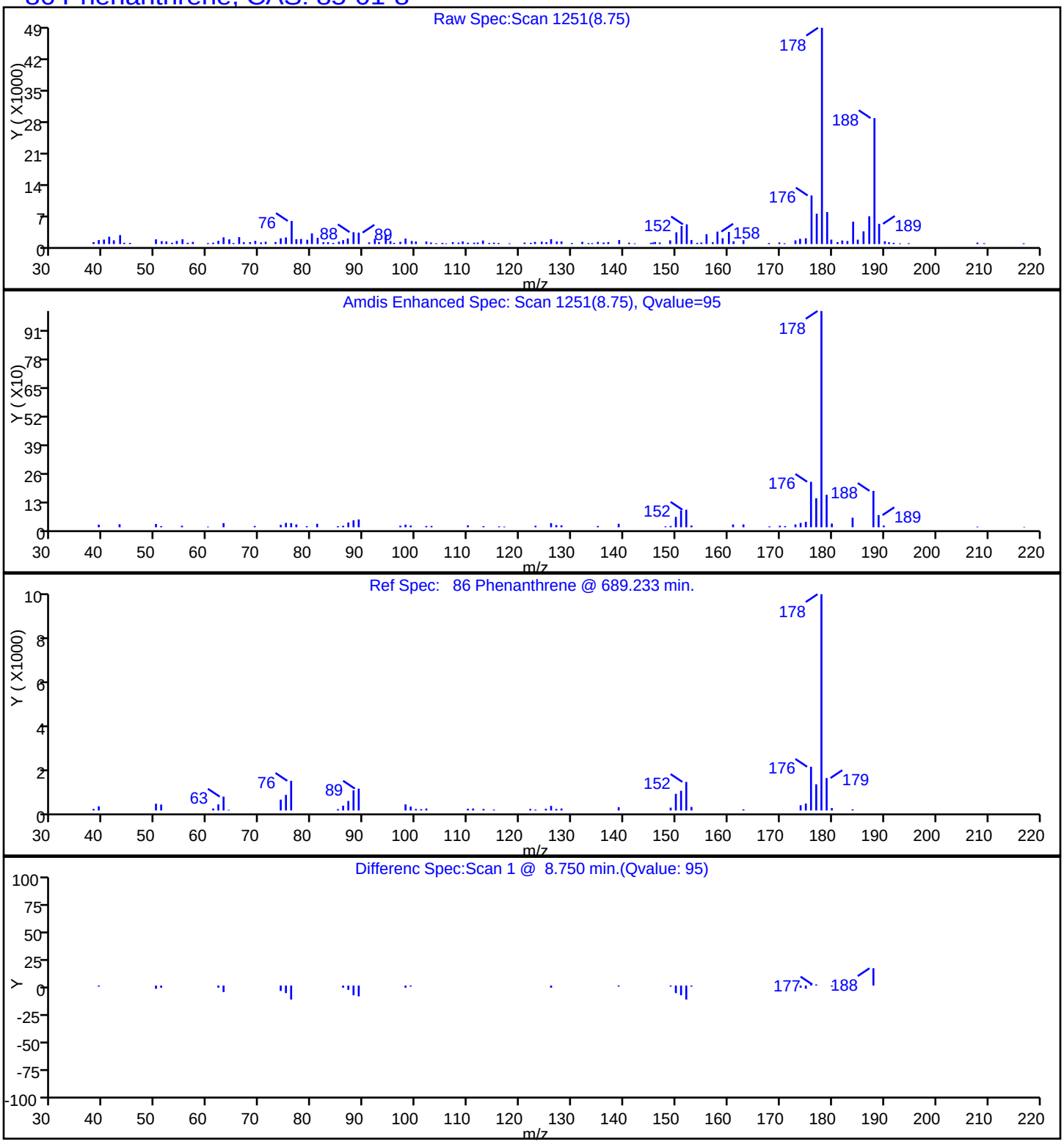


Report Date: 23-Aug-2016 17:00:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D				
Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



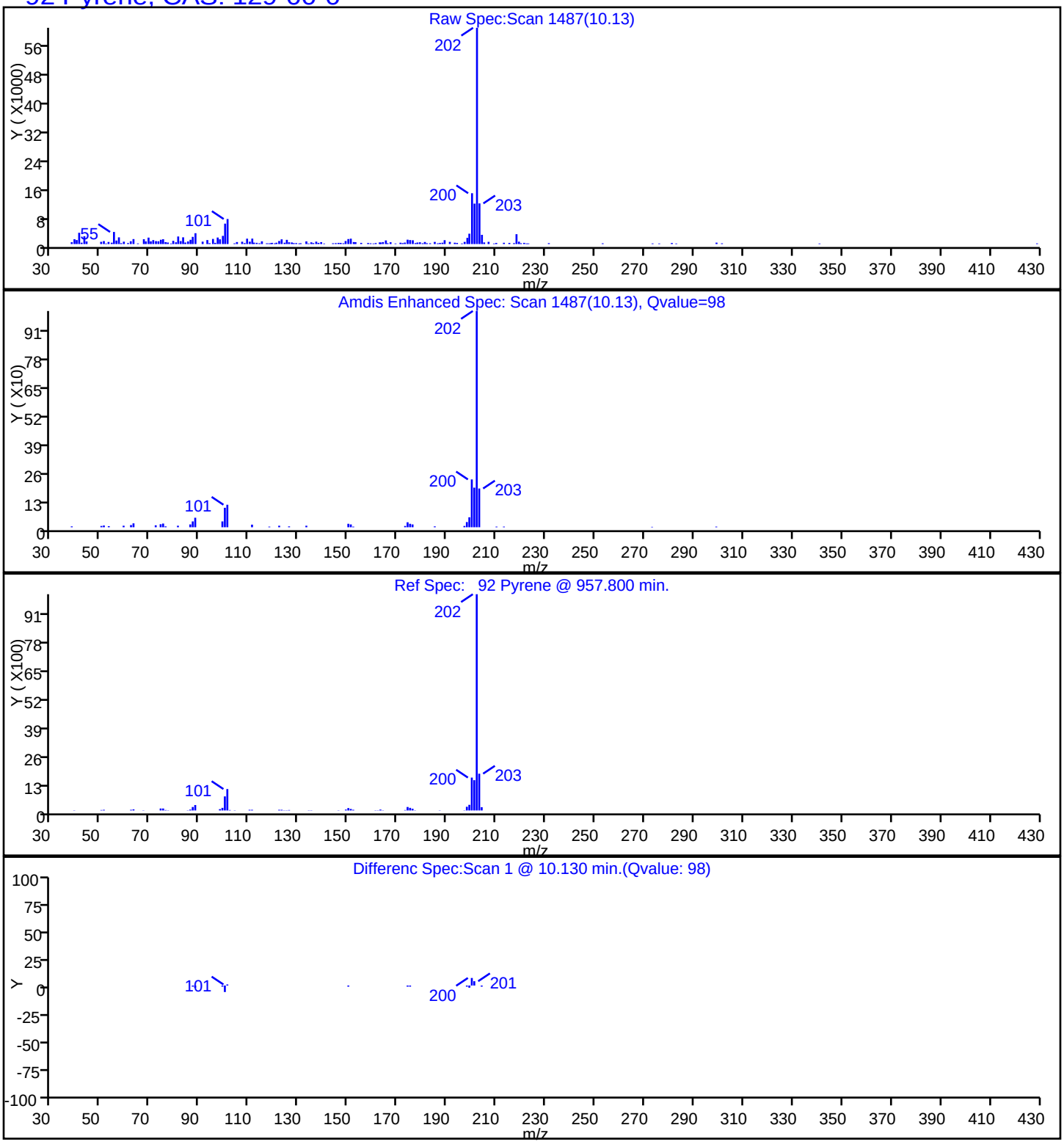
Report Date: 23-Aug-2016 17:00:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357804.D

Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-2-A	Lab Sample ID:	460-118857-2		
Client ID:	SB-10 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (2-4) 08182016 | Lab Sample ID: 460-118857-3

Matrix: Solid | Lab File ID: L1357816.D

Analysis Method: 8270D | Date Collected: 08/18/2016 09:31

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0475(g) | Date Analyzed: 08/23/2016 15:16

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	38	U	38	8.4
95-50-1	1,2-Dichlorobenzene	380	U	380	13
541-73-1	1,3-Dichlorobenzene	380	U	380	30
106-46-7	1,4-Dichlorobenzene	380	U	380	30
108-60-1	2,2'-oxybis[1-chloropropane]	380	U	380	16
121-14-2	2,4-Dinitrotoluene	78	U	78	15
606-20-2	2,6-Dinitrotoluene	78	U	78	20
91-58-7	2-Chloronaphthalene	380	U	380	8.7
91-57-6	2-Methylnaphthalene	16	J	380	8.4
88-74-4	2-Nitroaniline	380	U	380	13
91-94-1	3,3'-Dichlorobenzidine	150	U	150	43
99-09-2	3-Nitroaniline	380	U	380	11
101-55-3	4-Bromophenyl phenyl ether	380	U	380	12
106-47-8	4-Chloroaniline	380	U	380	9.8
7005-72-3	4-Chlorophenyl phenyl ether	380	U	380	11
100-01-6	4-Nitroaniline	380	U	380	14
83-32-9	Acenaphthene	380	U	380	9.3
208-96-8	Acenaphthylene	380	U	380	9.8
120-12-7	Anthracene	380	U	380	36
56-55-3	Benzo[a]anthracene	52		38	32
50-32-8	Benzo[a]pyrene	45		38	12
205-99-2	Benzo[b]fluoranthene	85		38	15
191-24-2	Benzo[g,h,i]perylene	37	J	380	22
207-08-9	Benzo[k]fluoranthene	24	J	38	17
111-91-1	Bis(2-chloroethoxy)methane	380	U	380	12
111-44-4	Bis(2-chloroethyl)ether	38	U	38	9.0
117-81-7	Bis(2-ethylhexyl) phthalate	100	J	380	15
85-68-7	Butyl benzyl phthalate	380	U	380	12
86-74-8	Carbazole	380	U	380	9.5
218-01-9	Chrysene	75	J	380	10
53-70-3	Dibenz(a,h)anthracene	38	U	38	20
132-64-9	Dibenzofuran	380	U	380	12
84-66-2	Diethyl phthalate	380	U	380	11
131-11-3	Dimethyl phthalate	380	U	380	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (2-4) 08182016 | Lab Sample ID: 460-118857-3

Matrix: Solid | Lab File ID: L1357816.D

Analysis Method: 8270D | Date Collected: 08/18/2016 09:31

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0475(g) | Date Analyzed: 08/23/2016 15:16

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	46	J	380	11
117-84-0	Di-n-octyl phthalate	380	U	380	19
206-44-0	Fluoranthene	86	J	380	11
86-73-7	Fluorene	380	U	380	8.3
118-74-1	Hexachlorobenzene	38	U	38	16
87-68-3	Hexachlorobutadiene	78	U	78	11
77-47-4	Hexachlorocyclopentadiene	380	U	380	24
67-72-1	Hexachloroethane	38	U	38	14
193-39-5	Indeno[1,2,3-cd]pyrene	36	J	38	25
78-59-1	Isophorone	150	U	150	8.2
91-20-3	Naphthalene	14	J	380	9.7
98-95-3	Nitrobenzene	38	U	38	12
621-64-7	N-Nitrosodi-n-propylamine	38	U	38	13
86-30-6	N-Nitrosodiphenylamine	380	U	380	35
85-01-8	Phenanthrene	64	J	380	10
129-00-0	Pyrene	97	J	380	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	83		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	74		37-94
1718-51-0	Terphenyl-d14 (Surr)	78		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D
Lims ID: 460-118857-E-3-A
Client ID: SB-9 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 15:16:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-020
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 15:50:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	95	687989	40.0	
$ 26 Nitrobenzene-d5	82	4.781	4.792	-0.011	89	716942	36.8	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2225381	40.0	
37 Naphthalene	128	5.528	5.534	-0.006	20	10128	0.1868	
42 2-Methylnaphthalene	142	6.228	6.234	-0.006	81	7795	0.2064	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	97	1655561	41.6	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	94	1100078	40.0	
* 85 Phenanthrene-d10	188	8.728	8.728	0.000	98	1485322	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	93	34467	0.8262	
87 Anthracene	178	8.798	8.804	-0.006	84	4654	0.1077	7
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	99	26154	0.5934	
90 Fluoranthene	202	9.916	9.916	0.000	96	46925	1.11	
92 Pyrene	202	10.139	10.139	0.000	97	44643	1.25	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1028673	38.8	
99 Benzo[a]anthracene	228	11.451	11.457	-0.006	93	20132	0.6743	
* 100 Chrysene-d12	240	11.463	11.469	-0.006	99	995056	40.0	
101 Chrysene	228	11.498	11.498	0.000	96	27424	0.9751	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	80	28979	1.32	
104 Benzo[b]fluoranthene	252	12.845	12.851	-0.006	96	29041	1.10	
105 Benzo[k]fluoranthene	252	12.880	12.886	-0.006	96	8590	0.3116	M
106 Benzo[a]pyrene	252	13.286	13.292	-0.006	91	14618	0.5868	
* 107 Perylene-d12	264	13.369	13.368	0.001	99	912780	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.798	14.809	-0.011	84	12836	0.4725	
109 Dibenz(a,h)anthracene	278	14.827	14.839	-0.012	43	5860	0.2083	
110 Benzo[g,h,i]perylene	276	15.151	15.156	-0.005	80	11536	0.4851	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

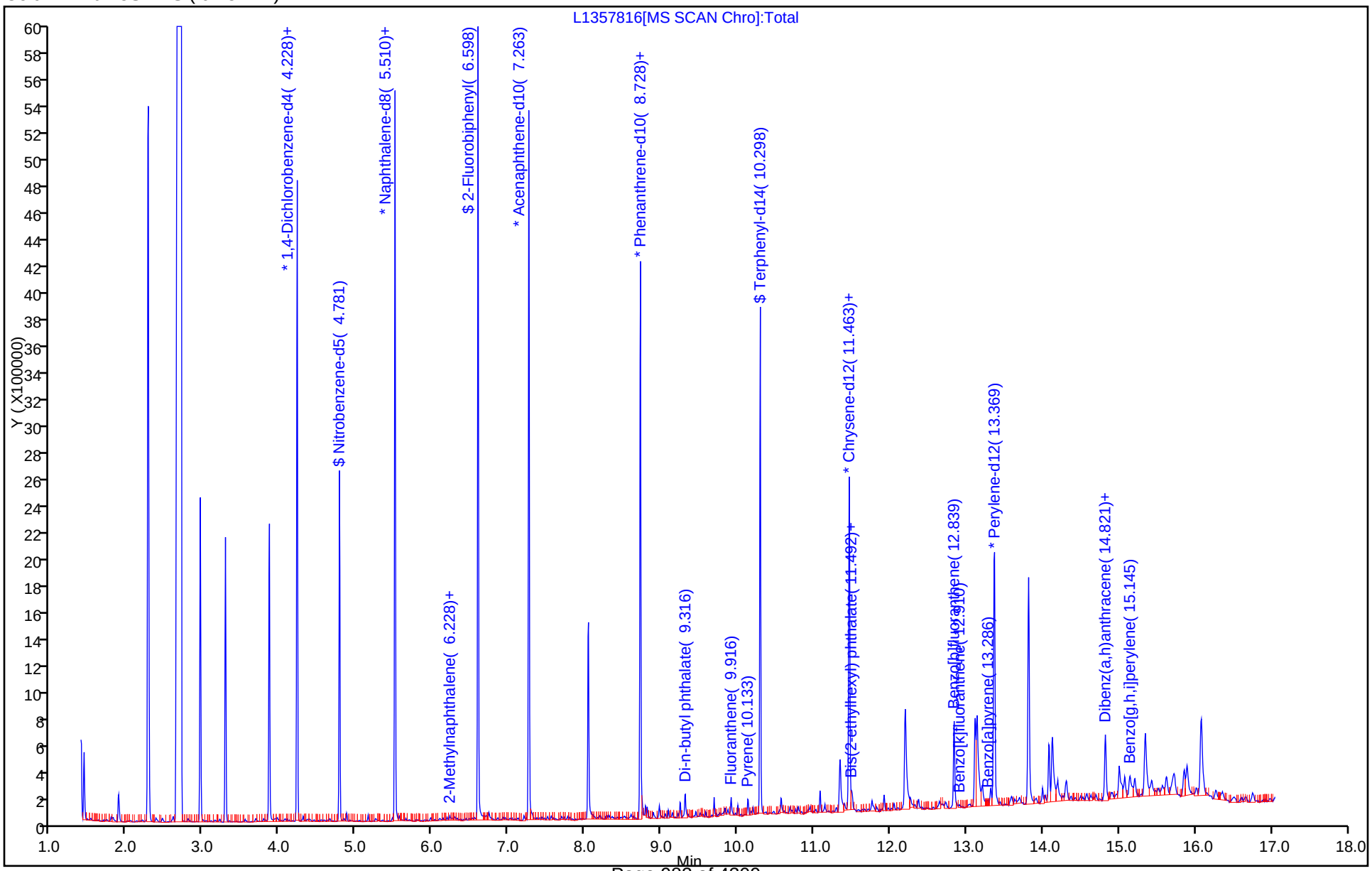
Report Date: 23-Aug-2016 17:01:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3	Worklist Smp#:	20
Client ID:	SB-9 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



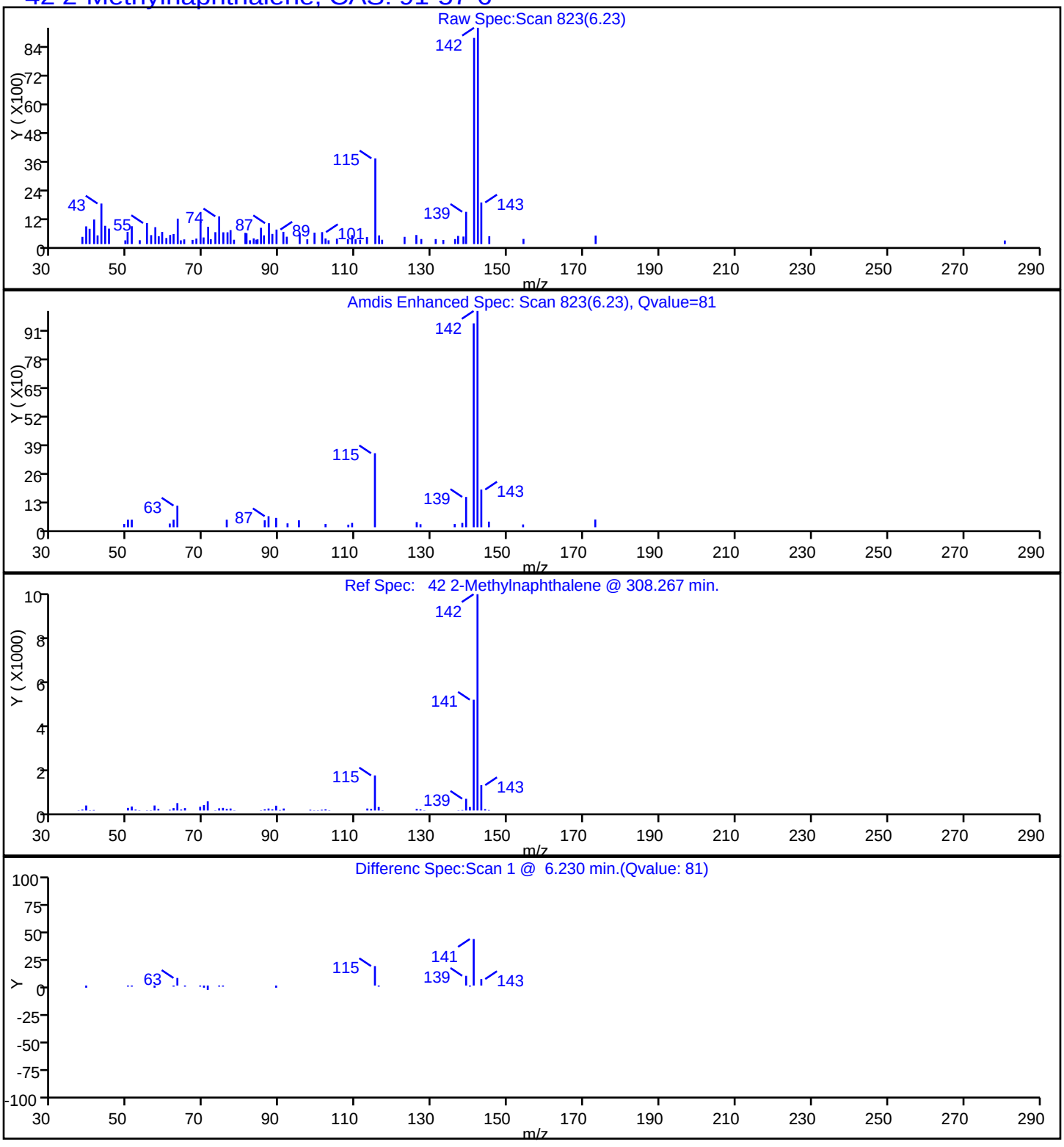
Report Date: 23-Aug-2016 17:01:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



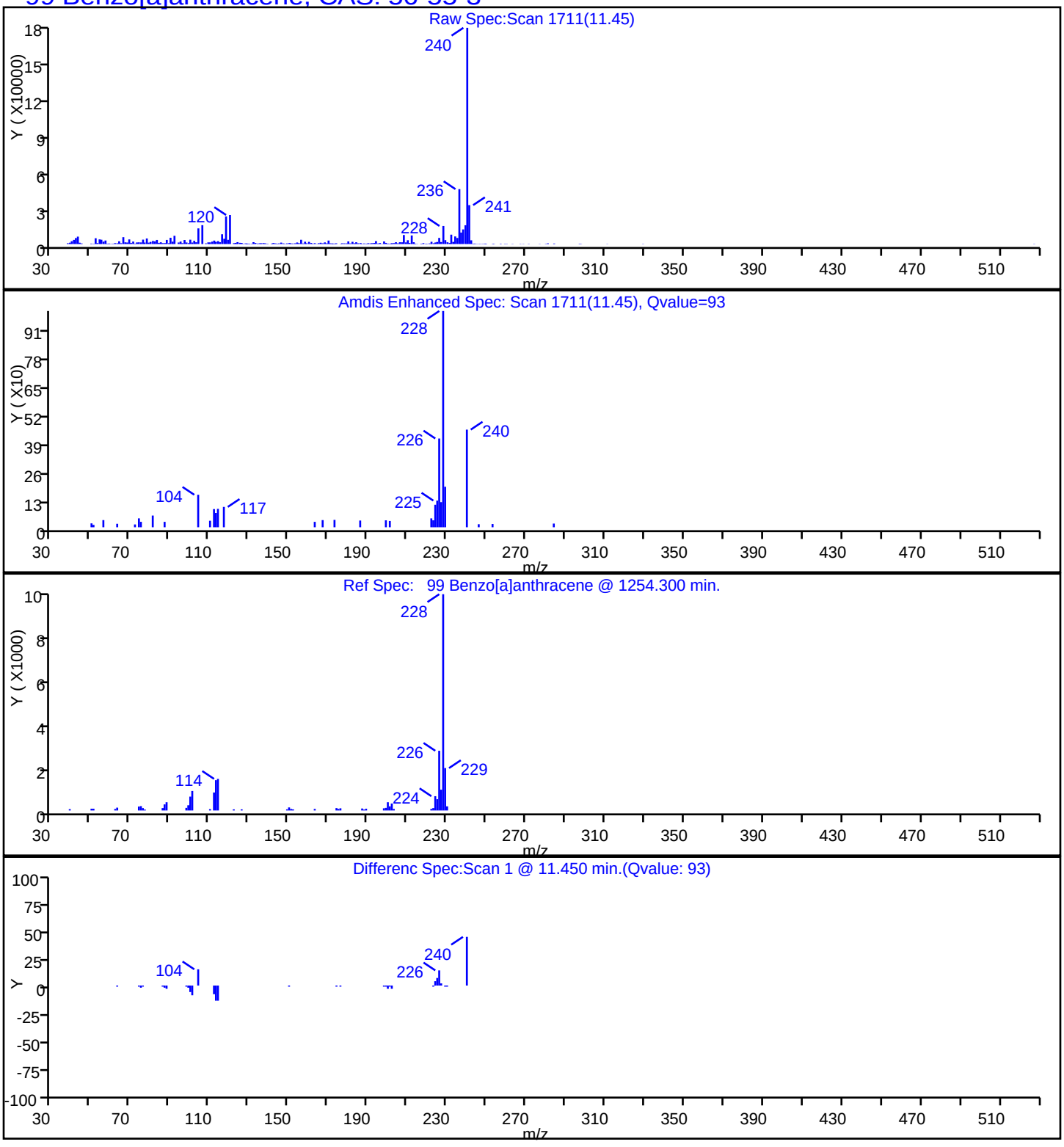
Report Date: 23-Aug-2016 17:01:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



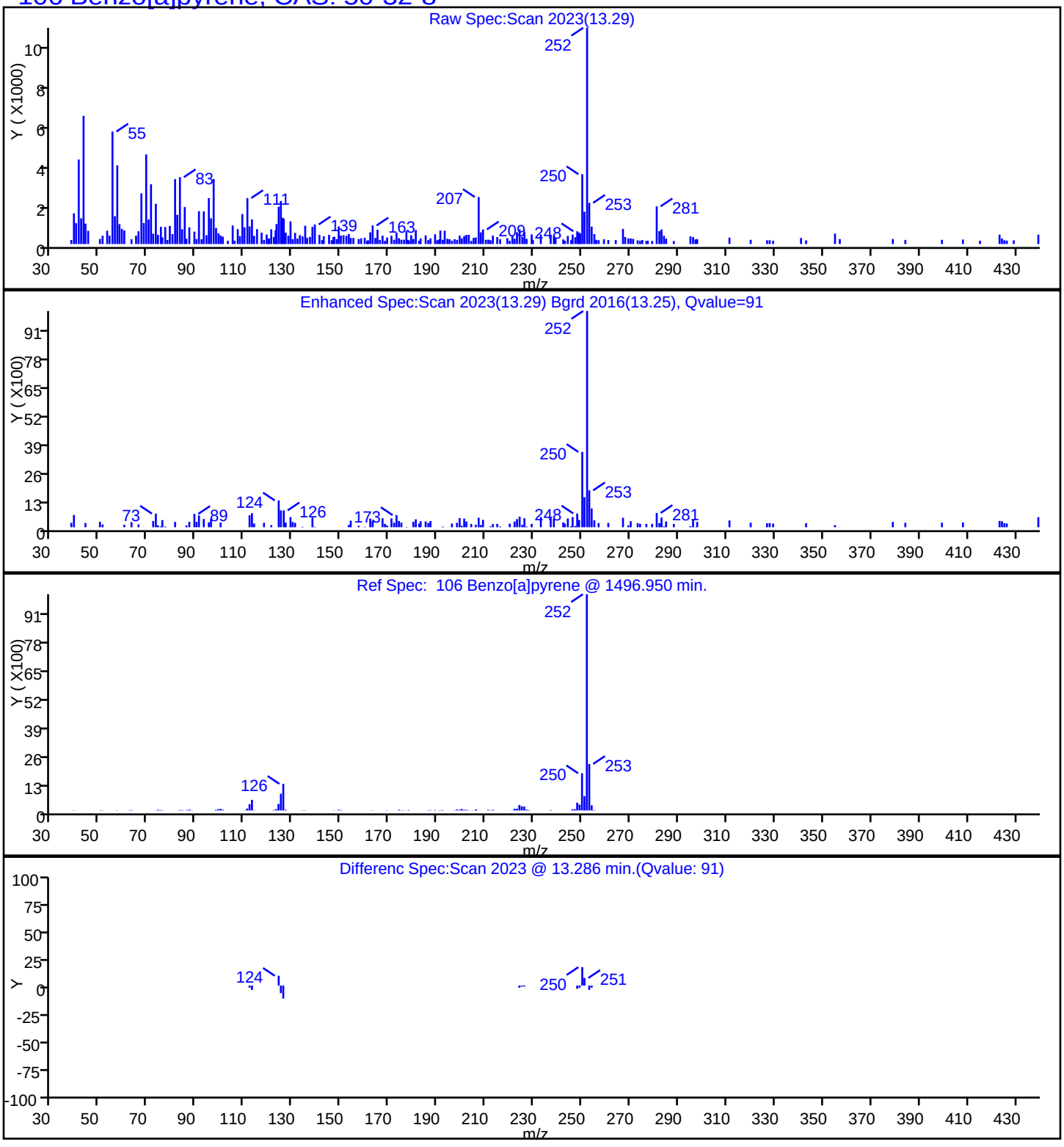
Report Date: 23-Aug-2016 17:01:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



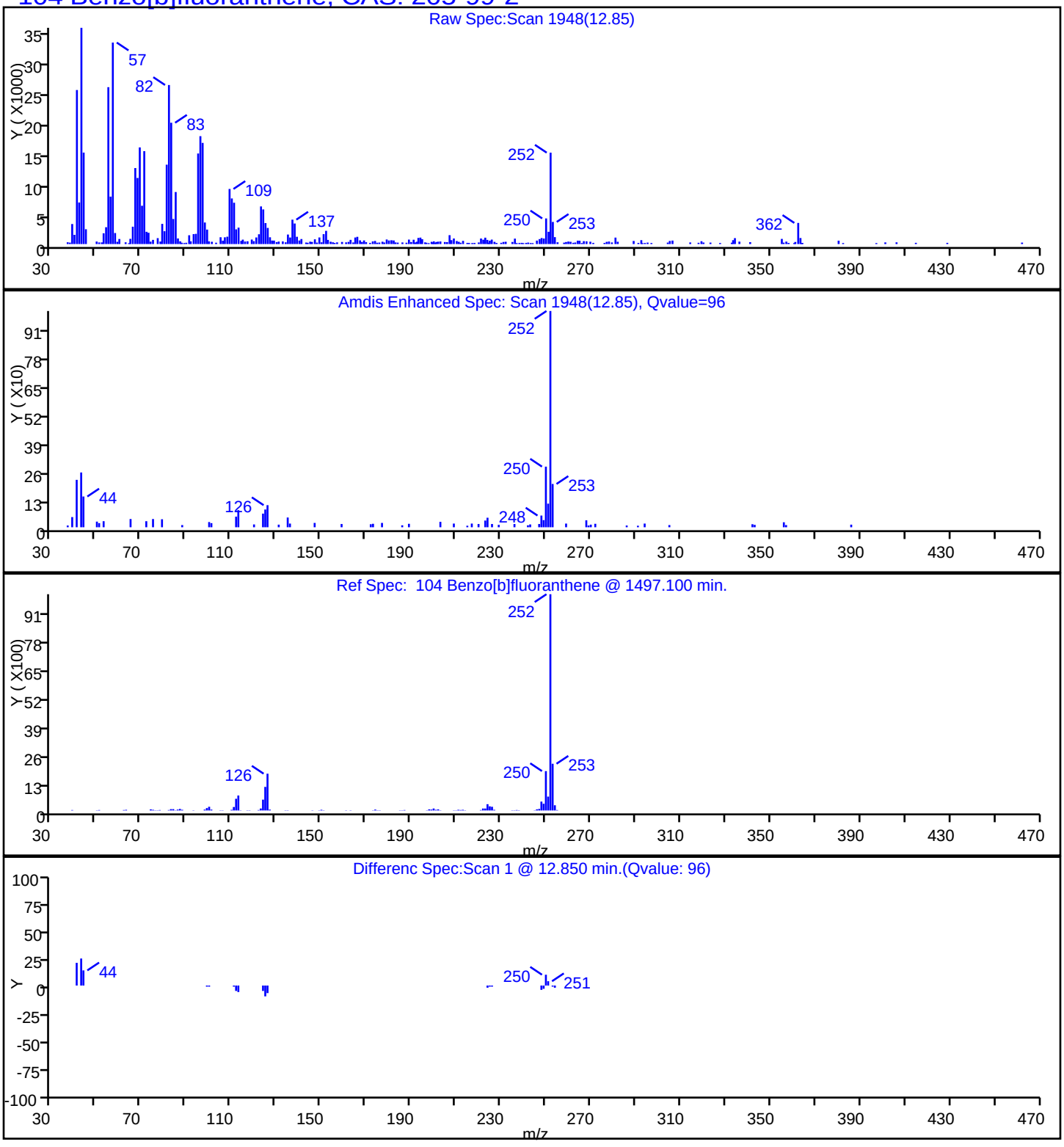
Report Date: 23-Aug-2016 17:01:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

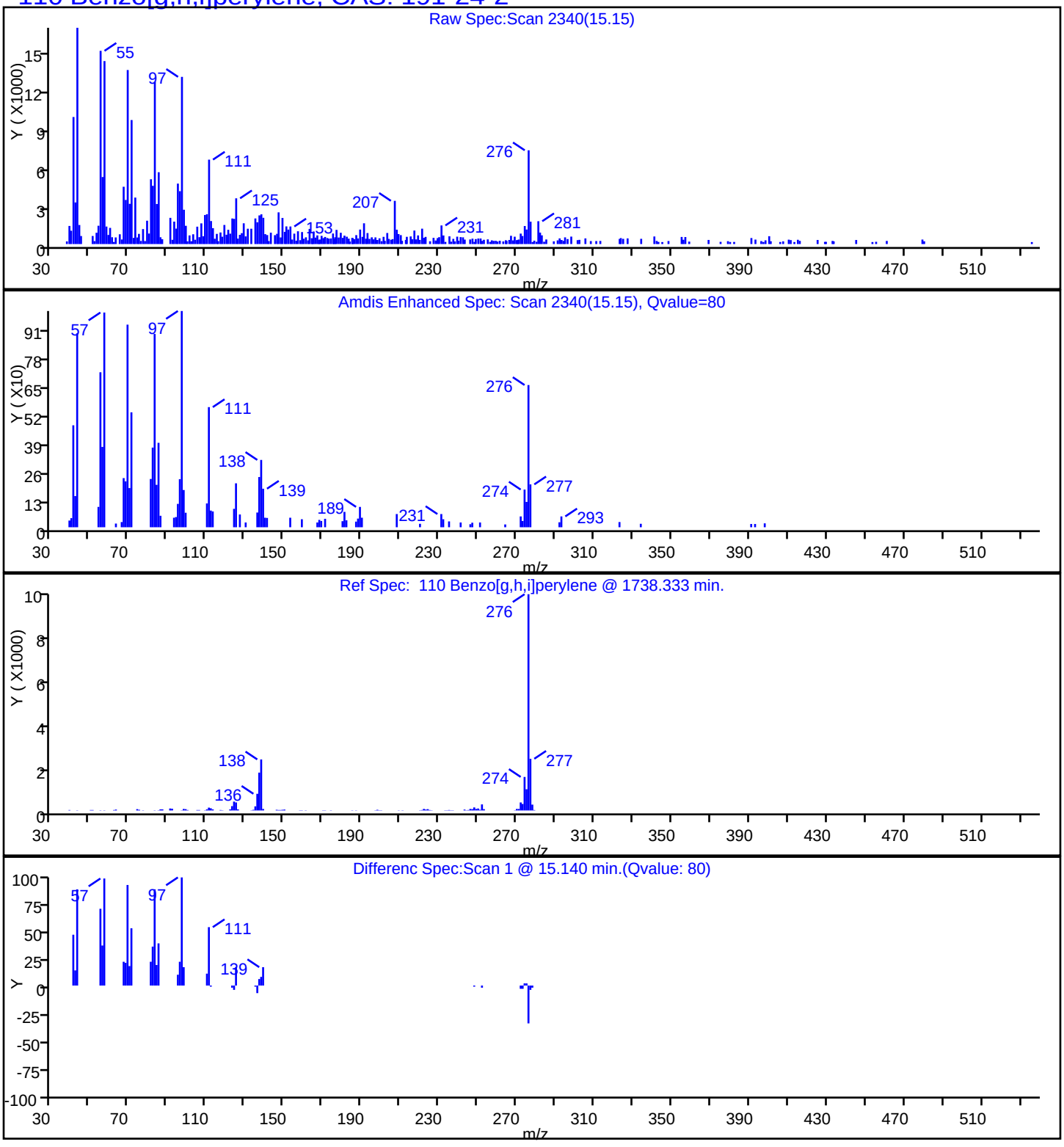


Report Date: 23-Aug-2016 17:01:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D				
Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

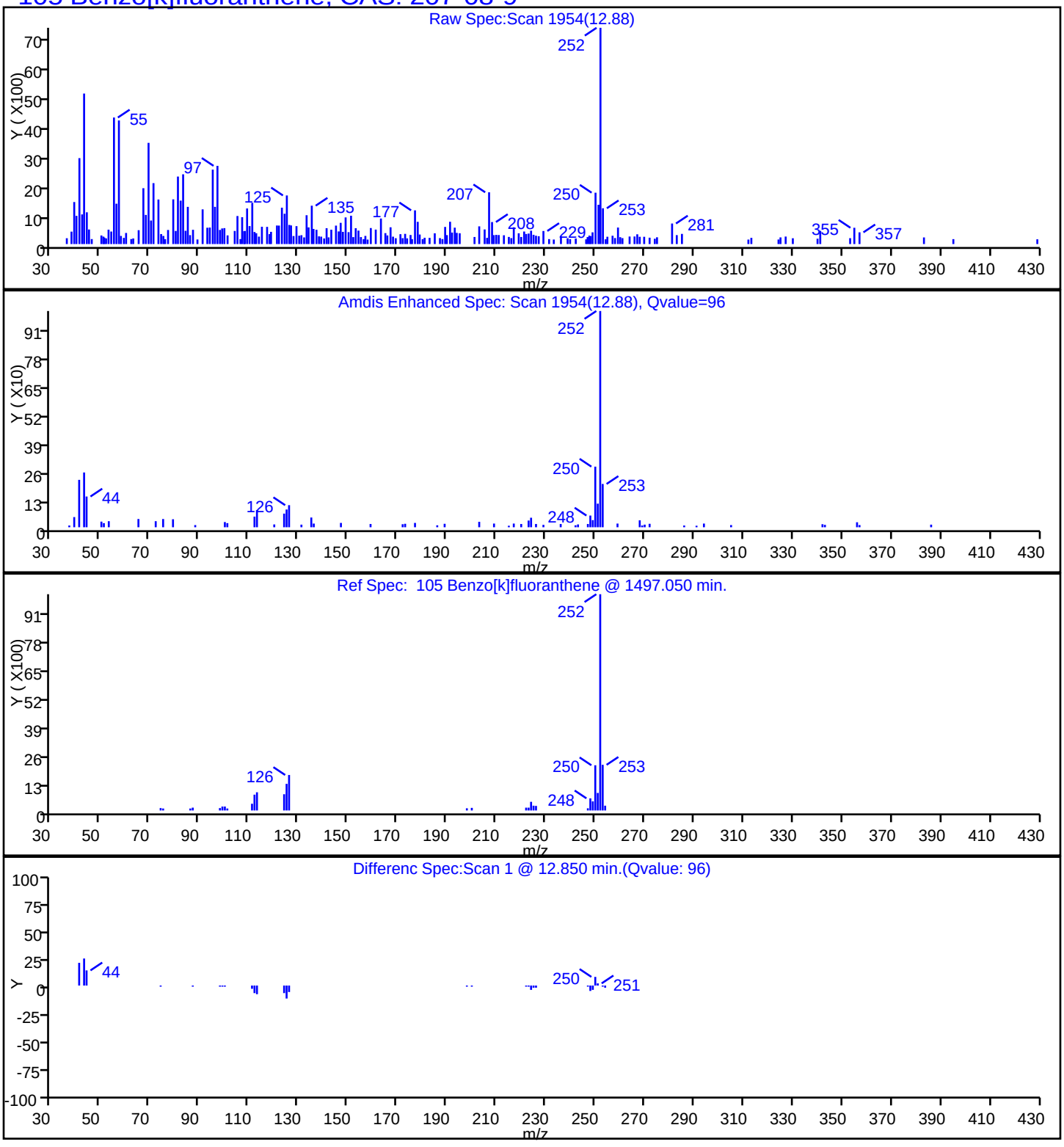


Report Date: 23-Aug-2016 17:01:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D				
Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



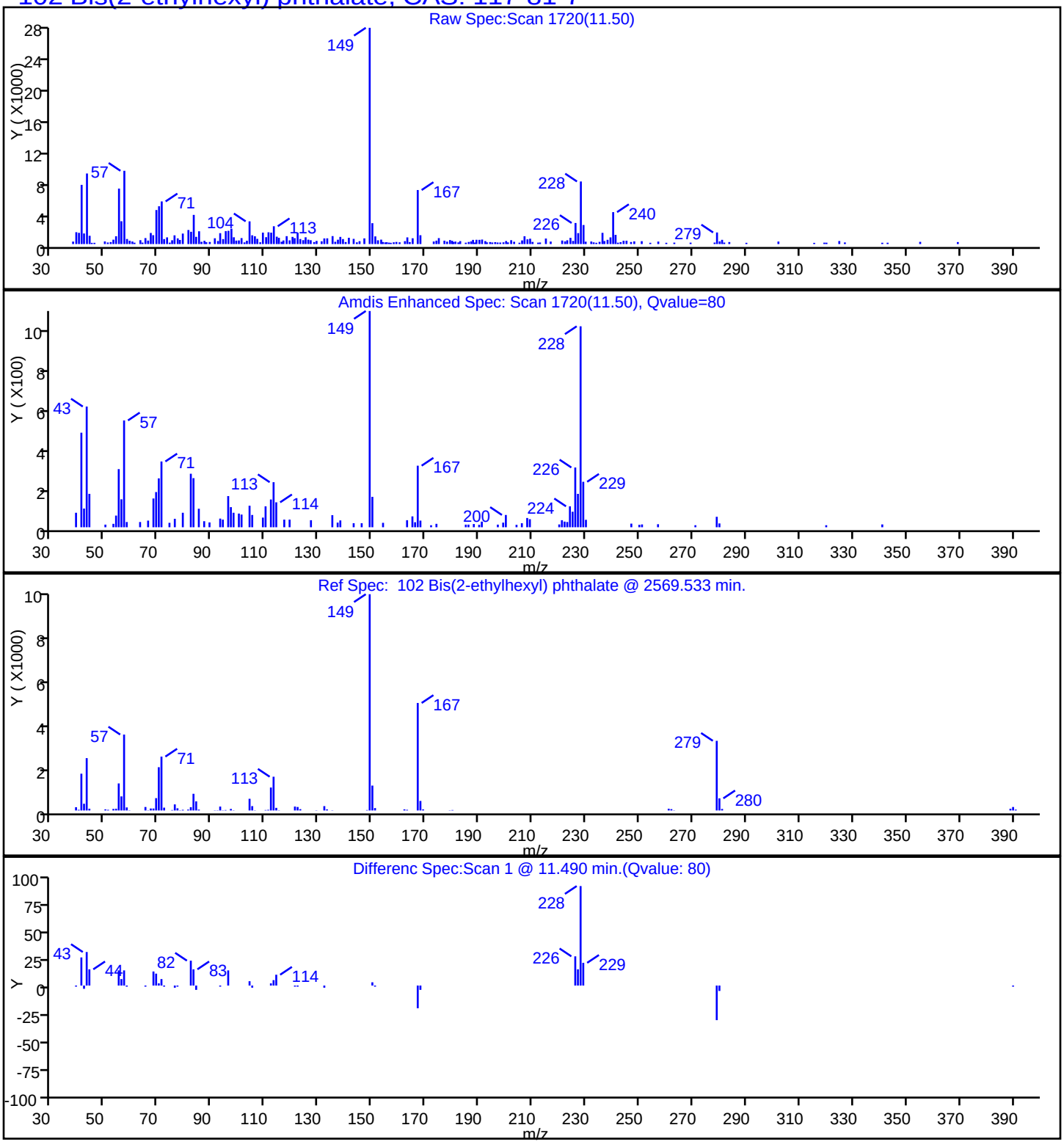
Report Date: 23-Aug-2016 17:01:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



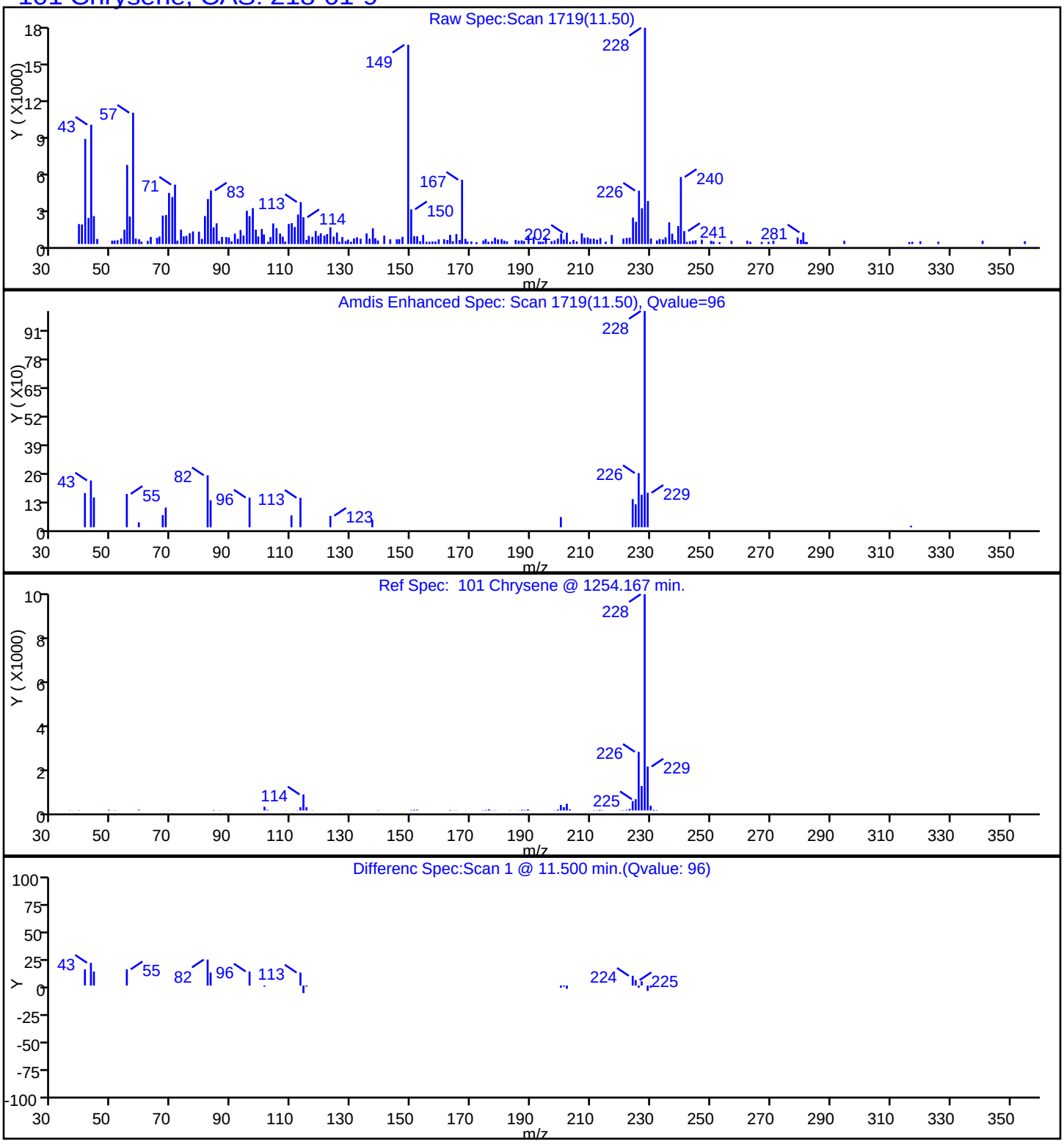
Report Date: 23-Aug-2016 17:01:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



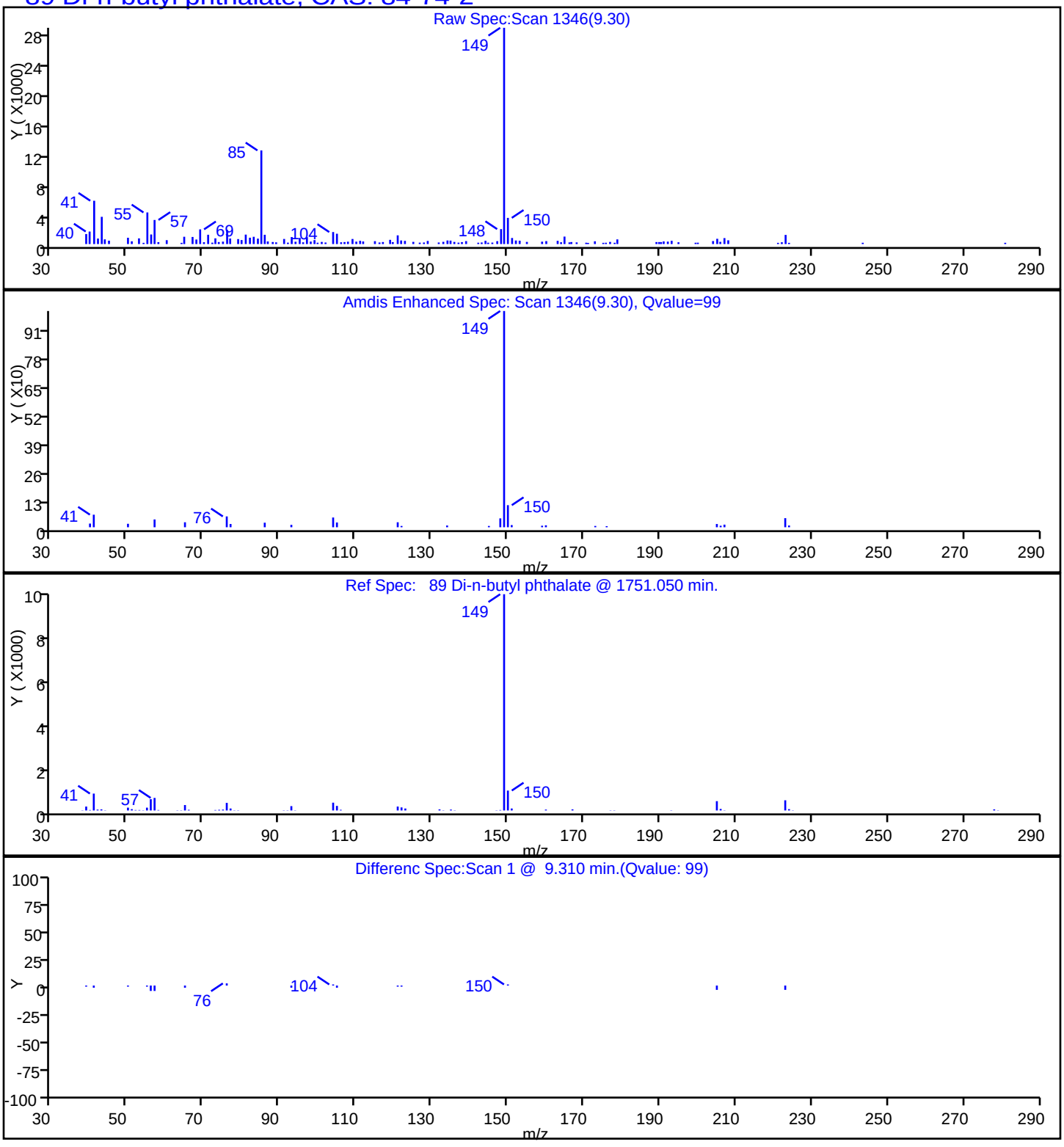
Report Date: 23-Aug-2016 17:01:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



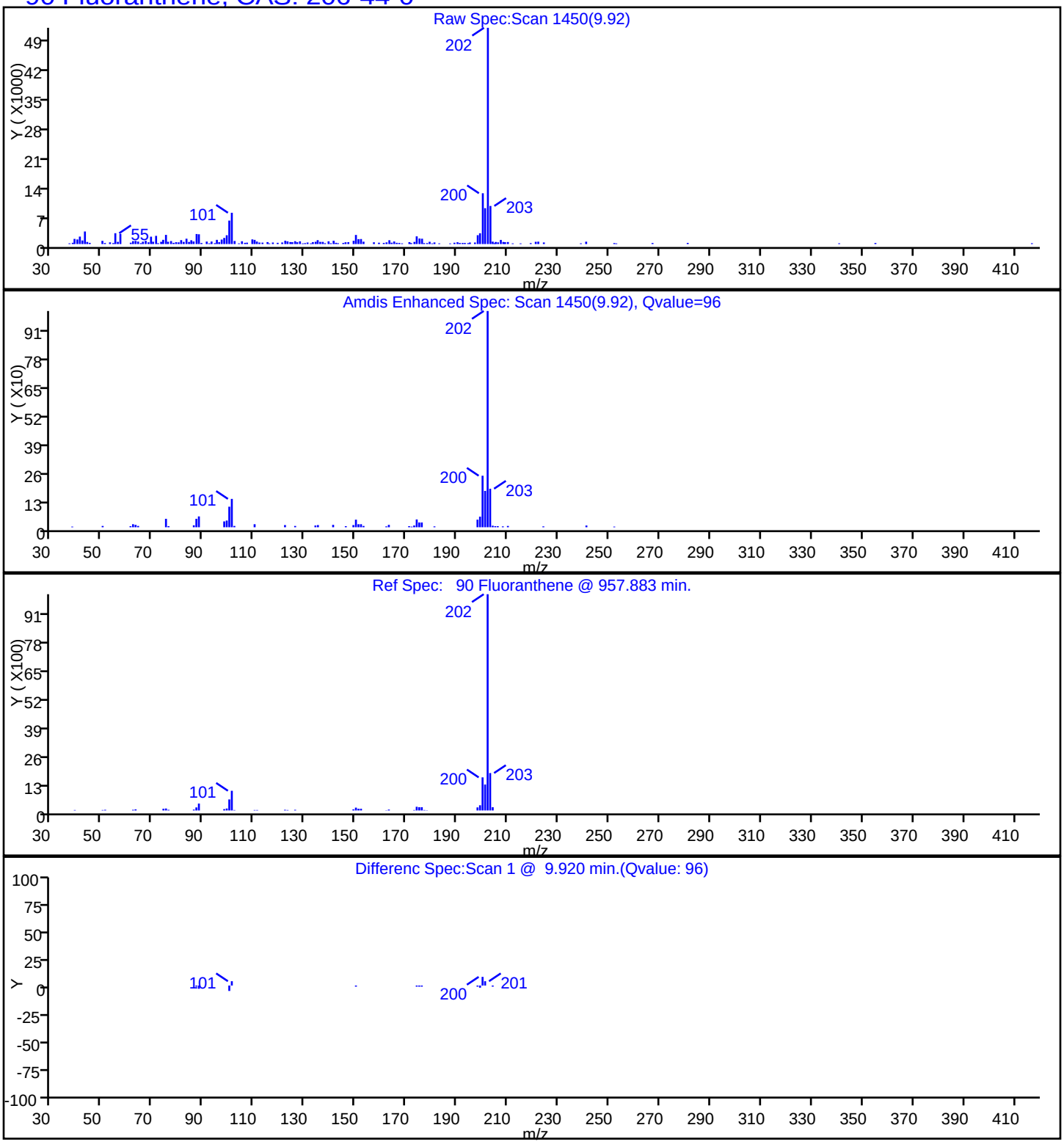
Report Date: 23-Aug-2016 17:01:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0

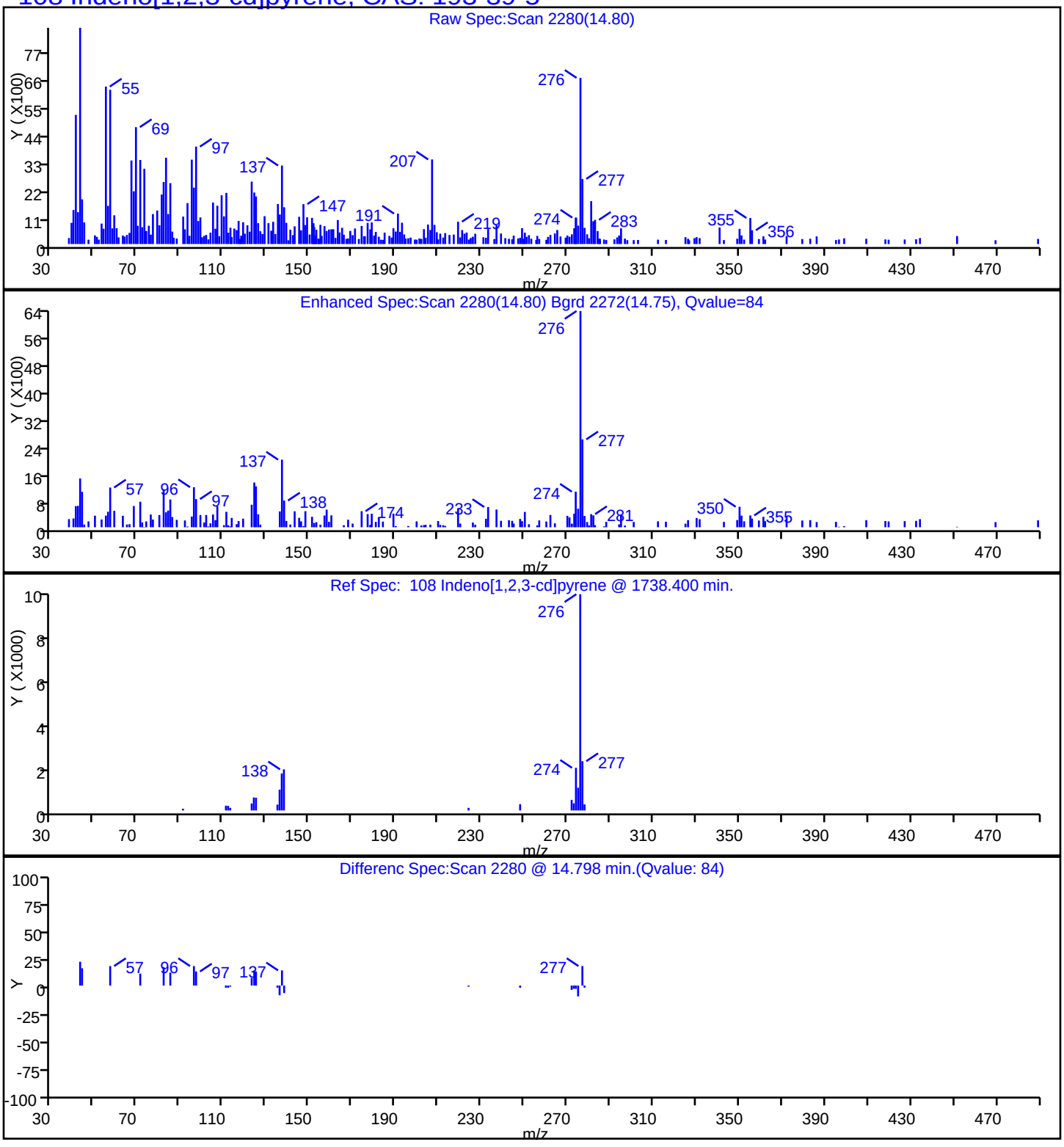


Report Date: 23-Aug-2016 17:01:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D				
Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



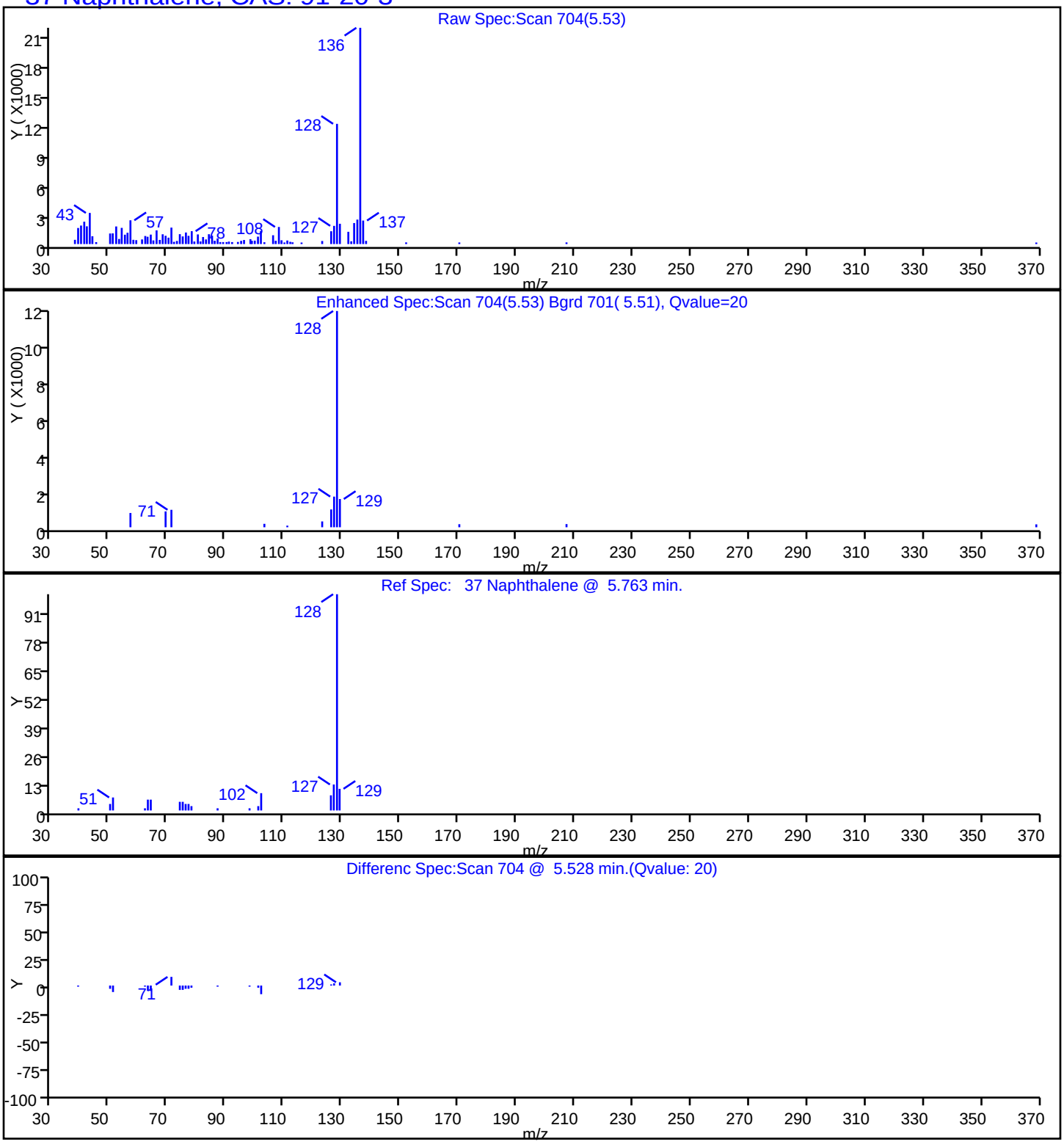
Report Date: 23-Aug-2016 17:01:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3



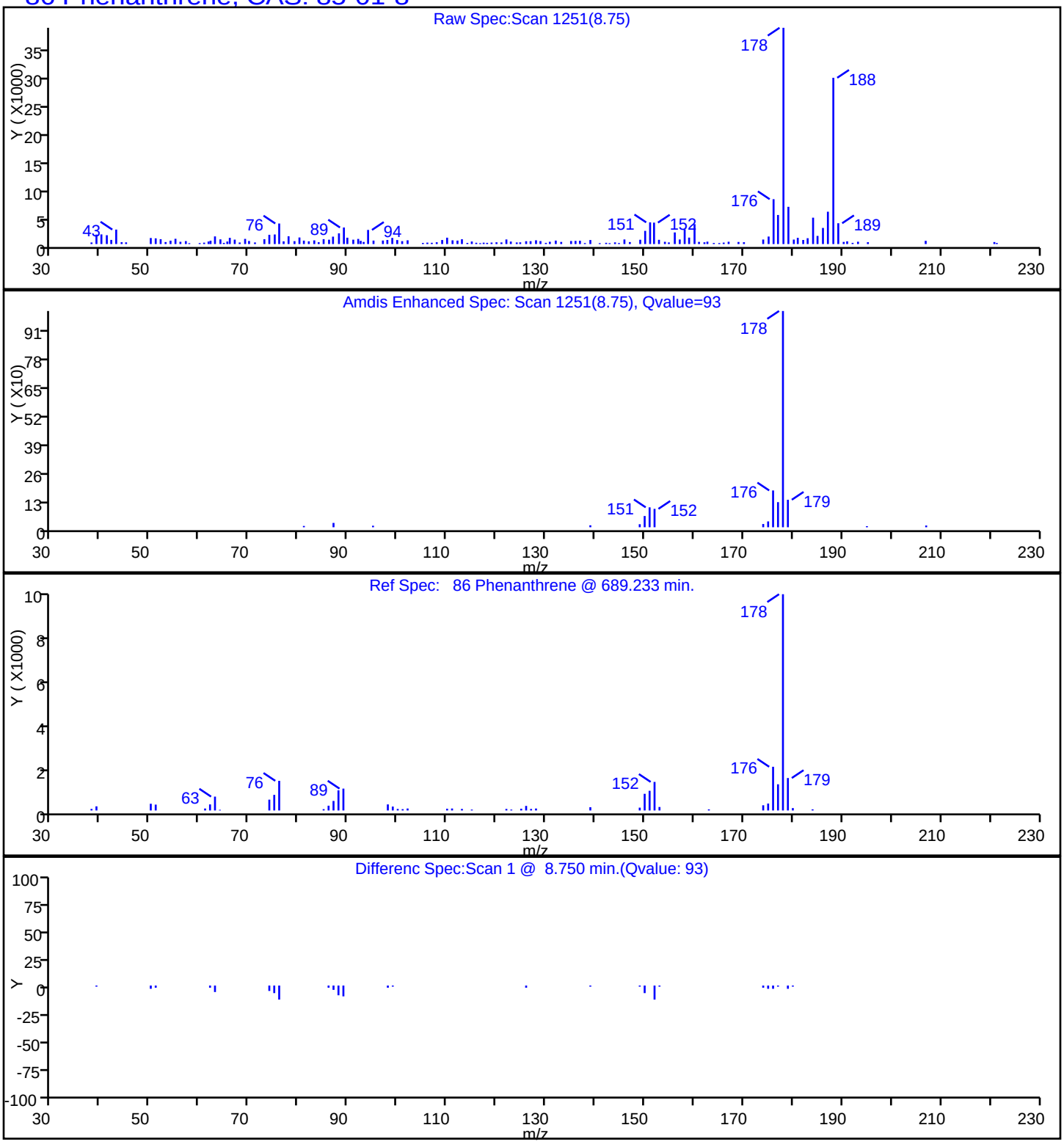
Report Date: 23-Aug-2016 17:01:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



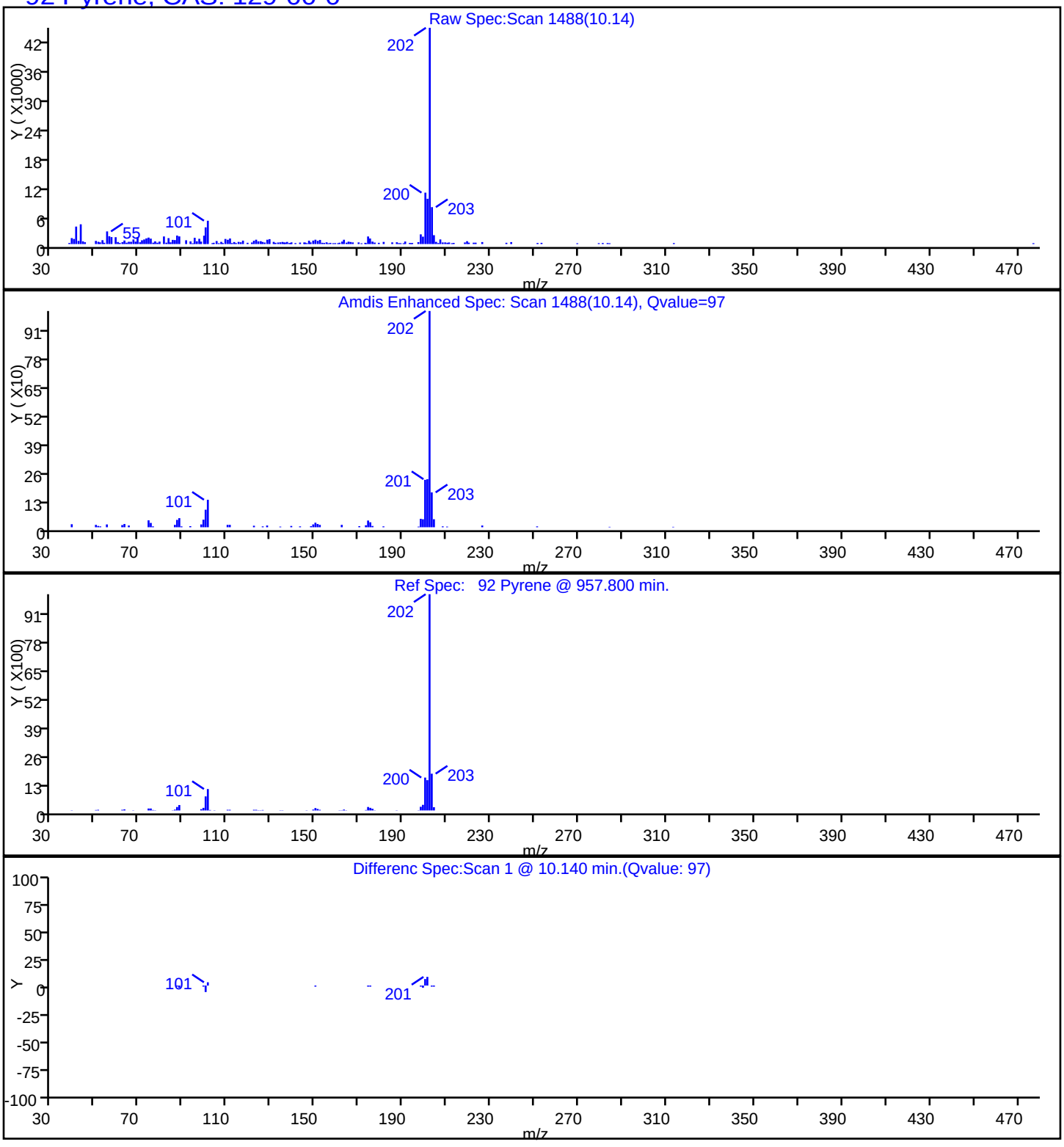
Report Date: 23-Aug-2016 17:01:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D

Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

TestAmerica Edison

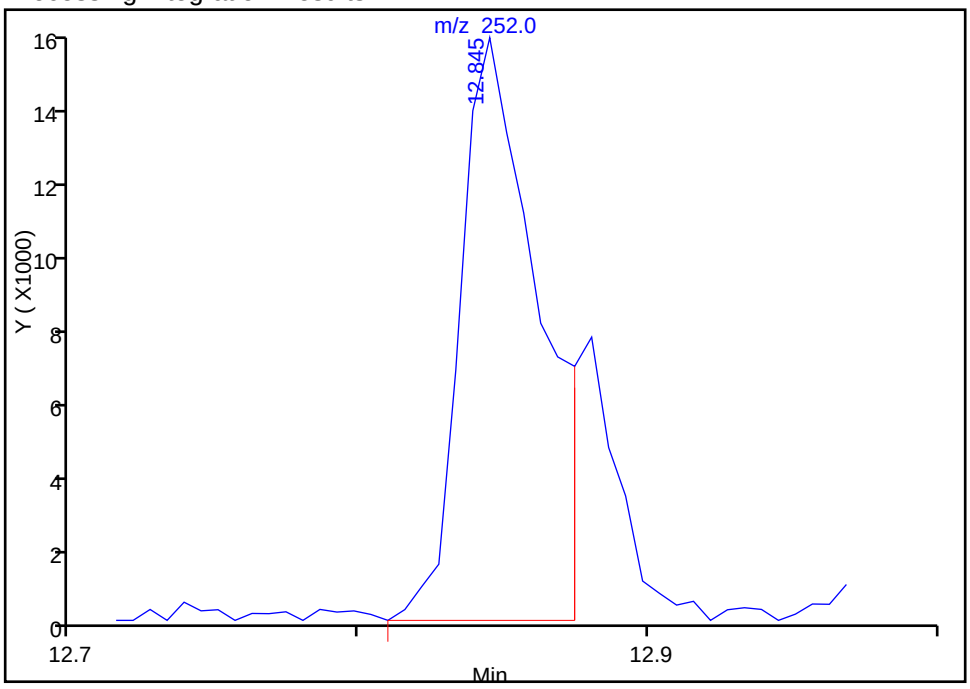
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357816.D				
Injection Date:	23-Aug-2016 15:16:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-3-A	Lab Sample ID:	460-118857-3		
Client ID:	SB-9 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

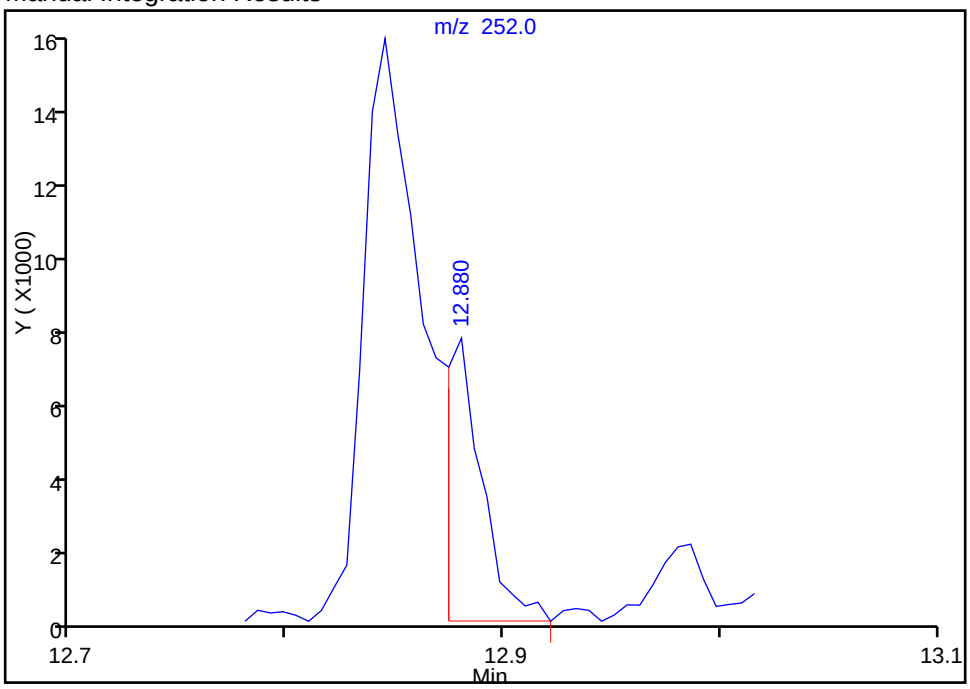
Processing Integration Results

RT: 12.85
Area: 29041
Amount: 1.053454
Amount Units: ug/ml



Manual Integration Results

RT: 12.88
Area: 8590
Amount: 0.311600
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 15:50:20

Audit Action: Manually Integrated Audit Reason: Wrong peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (12-14) 08182016 | Lab Sample ID: 460-118857-4

Matrix: Solid | Lab File ID: L1357805.D

Analysis Method: 8270D | Date Collected: 08/18/2016 09:43

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0304(g) | Date Analyzed: 08/23/2016 10:46

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 4.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	34	U	34	7.6
95-50-1	1,2-Dichlorobenzene	340	U	340	12
541-73-1	1,3-Dichlorobenzene	340	U	340	27
106-46-7	1,4-Dichlorobenzene	340	U	340	27
108-60-1	2,2'-oxybis[1-chloropropane]	340	U	340	14
121-14-2	2,4-Dinitrotoluene	70	U	70	14
606-20-2	2,6-Dinitrotoluene	70	U	70	18
91-58-7	2-Chloronaphthalene	340	U	340	7.8
91-57-6	2-Methylnaphthalene	24	J	340	7.6
88-74-4	2-Nitroaniline	340	U	340	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	38
99-09-2	3-Nitroaniline	340	U	340	10
101-55-3	4-Bromophenyl phenyl ether	340	U	340	11
106-47-8	4-Chloroaniline	340	U	340	8.8
7005-72-3	4-Chlorophenyl phenyl ether	340	U	340	10
100-01-6	4-Nitroaniline	340	U	340	13
83-32-9	Acenaphthene	340	U	340	8.3
208-96-8	Acenaphthylene	340	U	340	8.8
120-12-7	Anthracene	340	U	340	33
56-55-3	Benzo[a]anthracene	34	U	34	29
50-32-8	Benzo[a]pyrene	24	J	34	10
205-99-2	Benzo[b]fluoranthene	39		34	13
191-24-2	Benzo[g,h,i]perylene	340	U	340	20
207-08-9	Benzo[k]fluoranthene	20	J	34	15
111-91-1	Bis(2-chloroethoxy)methane	340	U	340	11
111-44-4	Bis(2-chloroethyl)ether	34	U	34	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	96	J	340	13
85-68-7	Butyl benzyl phthalate	14	J	340	11
86-74-8	Carbazole	340	U	340	8.5
218-01-9	Chrysene	40	J	340	9.4
53-70-3	Dibenz(a,h)anthracene	34	U	34	18
132-64-9	Dibenzofuran	340	U	340	10
84-66-2	Diethyl phthalate	340	U	340	9.8
131-11-3	Dimethyl phthalate	340	U	340	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (12-14) 08182016 | Lab Sample ID: 460-118857-4

Matrix: Solid | Lab File ID: L1357805.D

Analysis Method: 8270D | Date Collected: 08/18/2016 09:43

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0304(g) | Date Analyzed: 08/23/2016 10:46

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 4.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	36	J	340	10
117-84-0	Di-n-octyl phthalate	340	U	340	17
206-44-0	Fluoranthene	52	J	340	10
86-73-7	Fluorene	340	U	340	7.5
118-74-1	Hexachlorobenzene	34	U	34	14
87-68-3	Hexachlorobutadiene	70	U	70	9.7
77-47-4	Hexachlorocyclopentadiene	340	U	340	21
67-72-1	Hexachloroethane	34	U	34	13
193-39-5	Indeno[1,2,3-cd]pyrene	34	U	34	23
78-59-1	Isophorone	140	U	140	7.4
91-20-3	Naphthalene	17	J	340	8.7
98-95-3	Nitrobenzene	34	U	34	11
621-64-7	N-Nitrosodi-n-propylamine	34	U	34	12
86-30-6	N-Nitrosodiphenylamine	340	U	340	31
85-01-8	Phenanthrene	42	J	340	9.1
129-00-0	Pyrene	60	J	340	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	83		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	73		37-94
1718-51-0	Terphenyl-d14 (Surr)	83		24-109

Report Date: 23-Aug-2016 17:00:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D
Lims ID: 460-118857-E-4-A
Client ID: SB-9 (12-14) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 10:46:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-009
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: nimerd Date: 23-Aug-2016 11:06:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	95	844271	40.0	
$ 26 Nitrobenzene-d5	82	4.781	4.792	-0.011	89	865070	36.4	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2712625	40.0	
37 Naphthalene	128	5.528	5.534	-0.006	98	16423	0.2485	
42 2-Methylnaphthalene	142	6.228	6.234	-0.006	83	16028	0.3481	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	96	1963818	41.7	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	94	1301524	40.0	
* 85 Phenanthrene-d10	188	8.728	8.728	0.000	98	1666059	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	96	28507	0.6092	
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	99	25560	0.5170	
90 Fluoranthene	202	9.916	9.916	0.000	97	35551	0.7510	
92 Pyrene	202	10.133	10.139	-0.006	98	31385	0.8603	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1135193	41.7	
95 Butyl benzyl phthalate	149	10.816	10.821	-0.005	47	3160	0.2026	
99 Benzo[a]anthracene	228	11.451	11.457	-0.006	45	11110	0.3631	
* 100 Chrysene-d12	240	11.463	11.469	-0.006	99	1019790	40.0	
101 Chrysene	228	11.492	11.498	-0.006	96	16641	0.5774	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	87	31341	1.39	
104 Benzo[b]fluoranthene	252	12.845	12.851	-0.006	95	14957	0.5652	
105 Benzo[k]fluoranthene	252	12.868	12.886	-0.018	1	7860	0.2832	
106 Benzo[a]pyrene	252	13.280	13.292	-0.012	92	8566	0.3416	
* 107 Perylene-d12	264	13.363	13.368	-0.006	99	918862	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.798	14.809	-0.011	95	7698	0.2815	
109 Dibenz(a,h)anthracene	278	14.821	14.839	-0.018	50	3370	0.1190	
110 Benzo[g,h,i]perylene	276	15.145	15.156	-0.011	95	6477	0.2706	

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

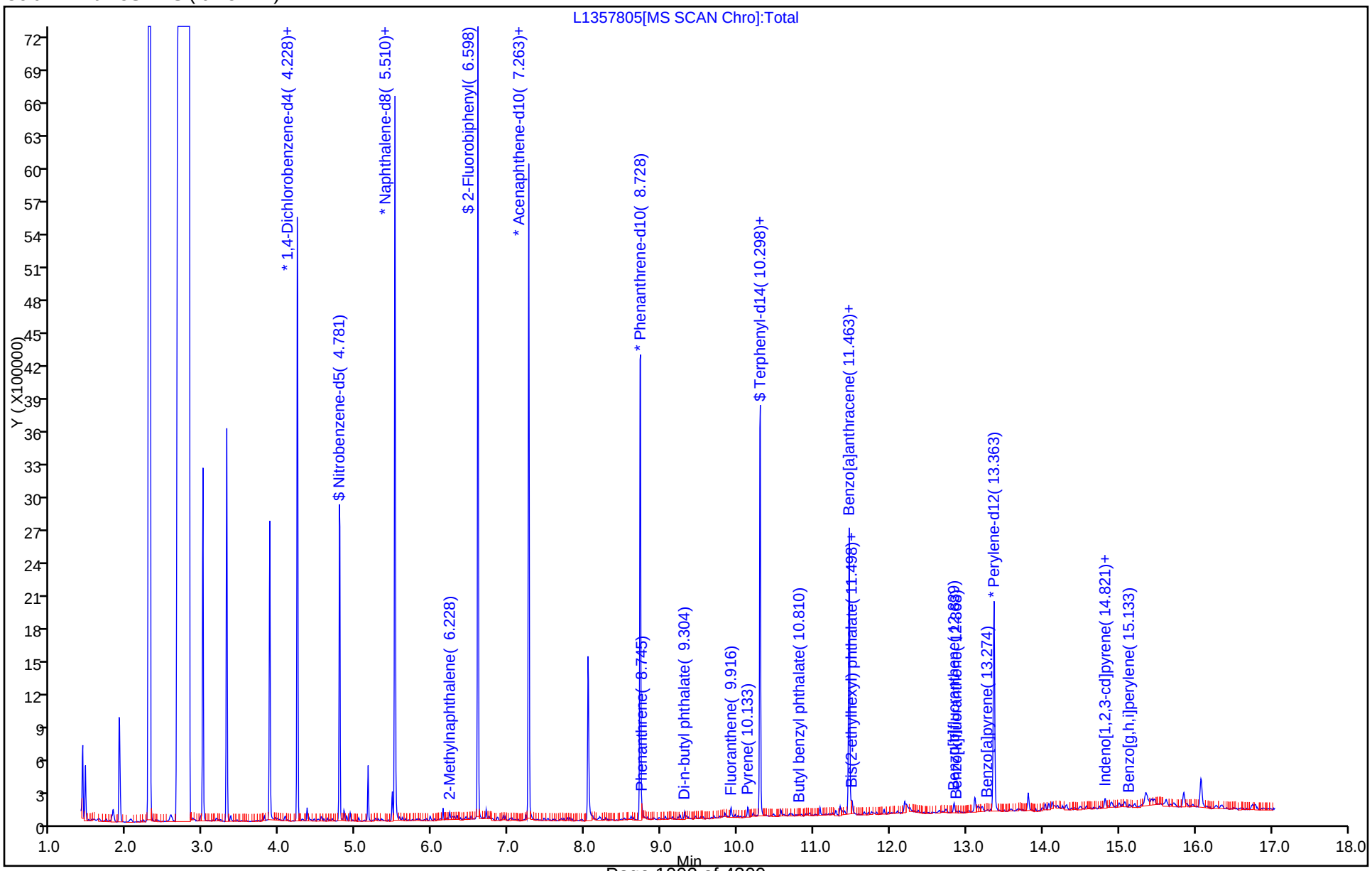
Report Date: 23-Aug-2016 17:00:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4	Worklist Smp#:	9
Client ID:	SB-9 (12-14) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

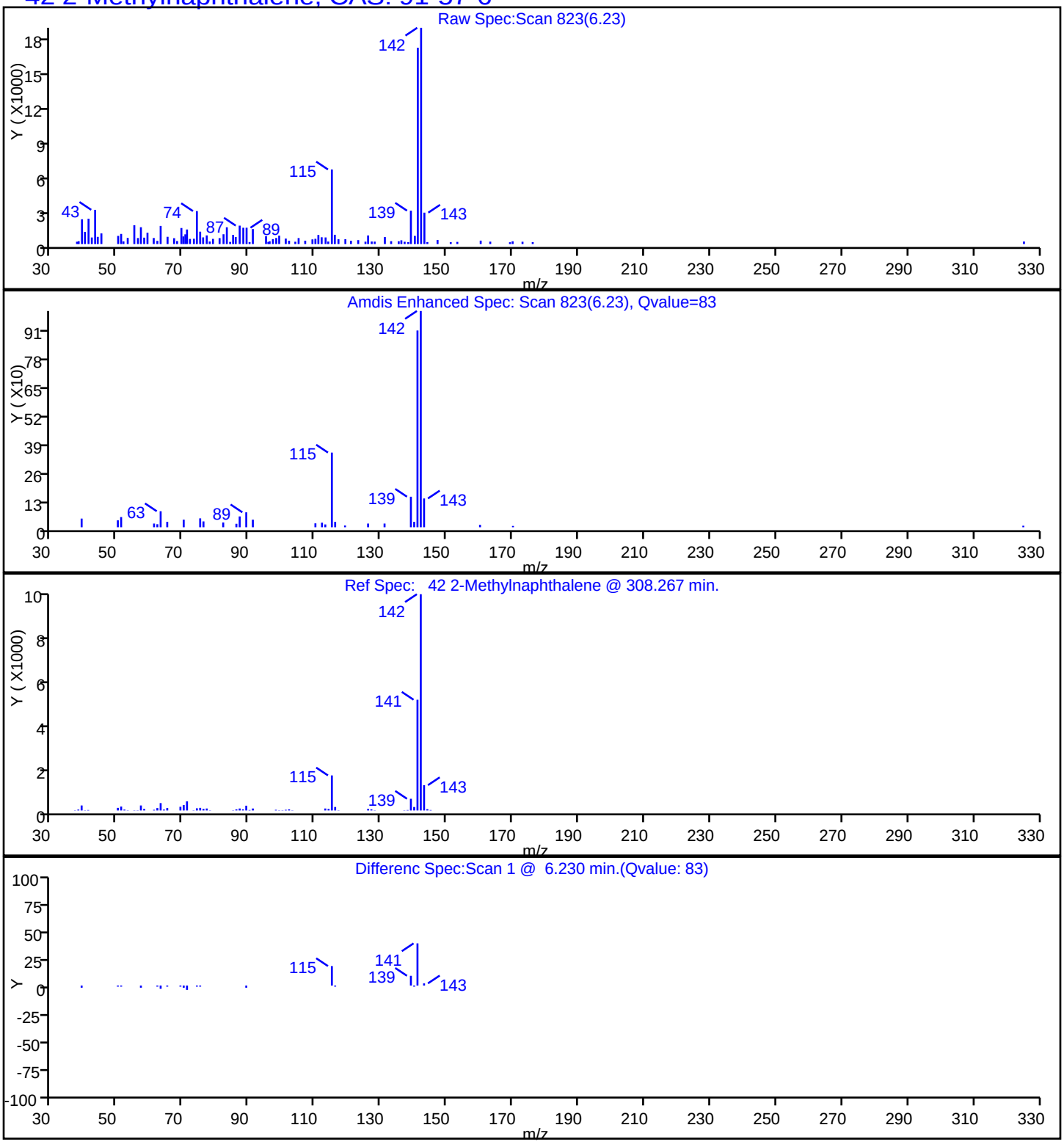


Report Date: 23-Aug-2016 17:00:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D				
Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



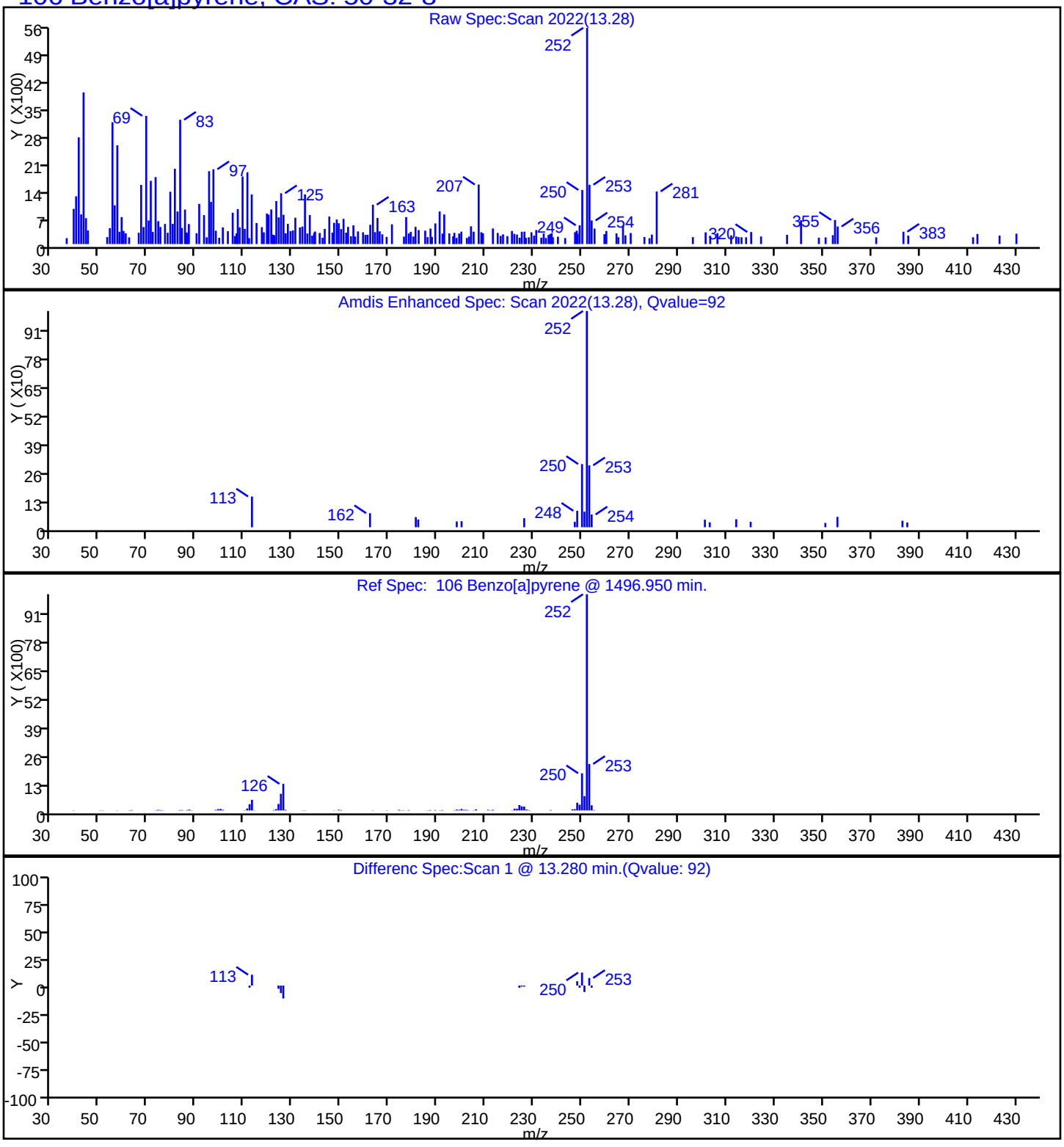
Report Date: 23-Aug-2016 17:00:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



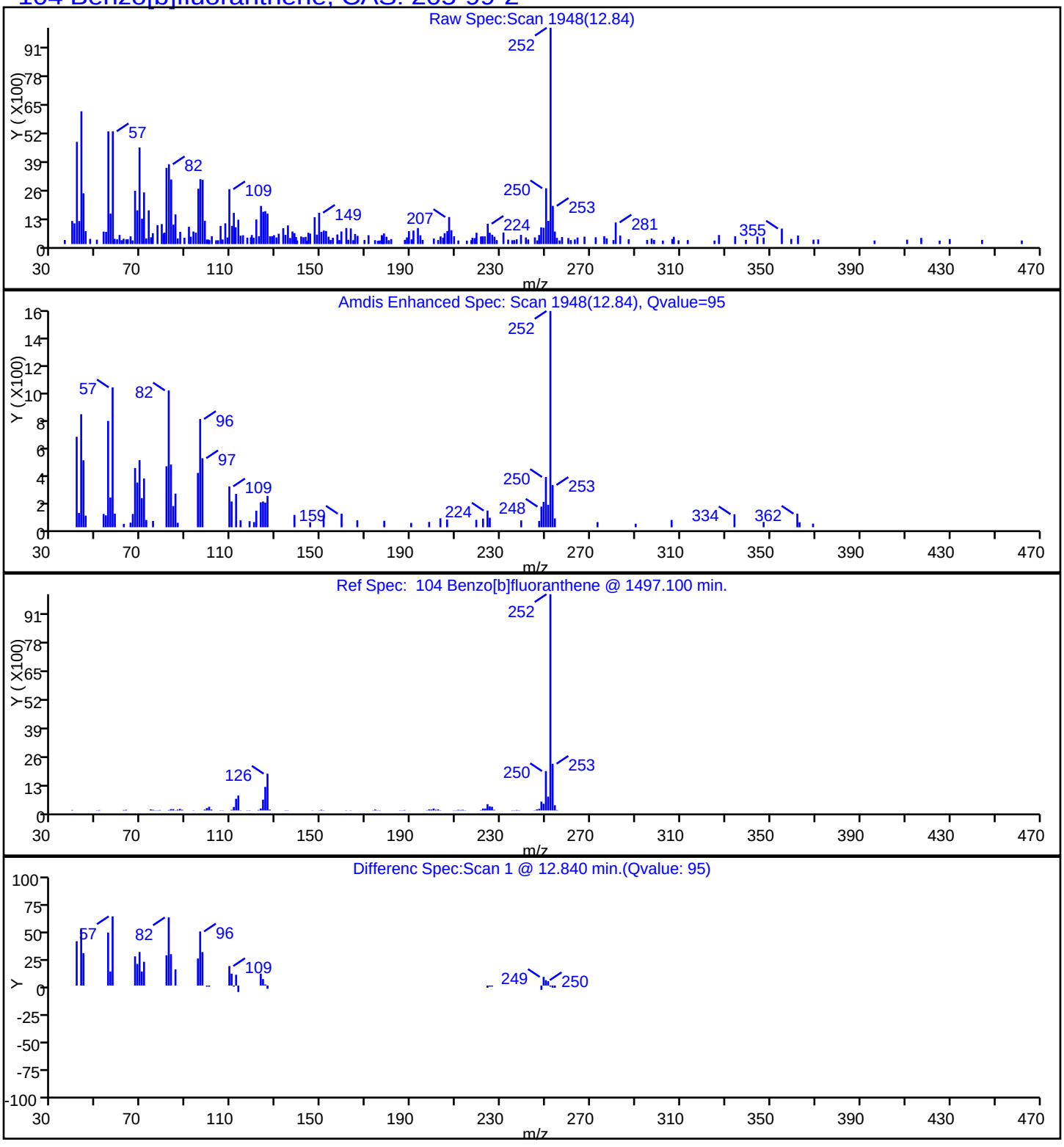
Report Date: 23-Aug-2016 17:00:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



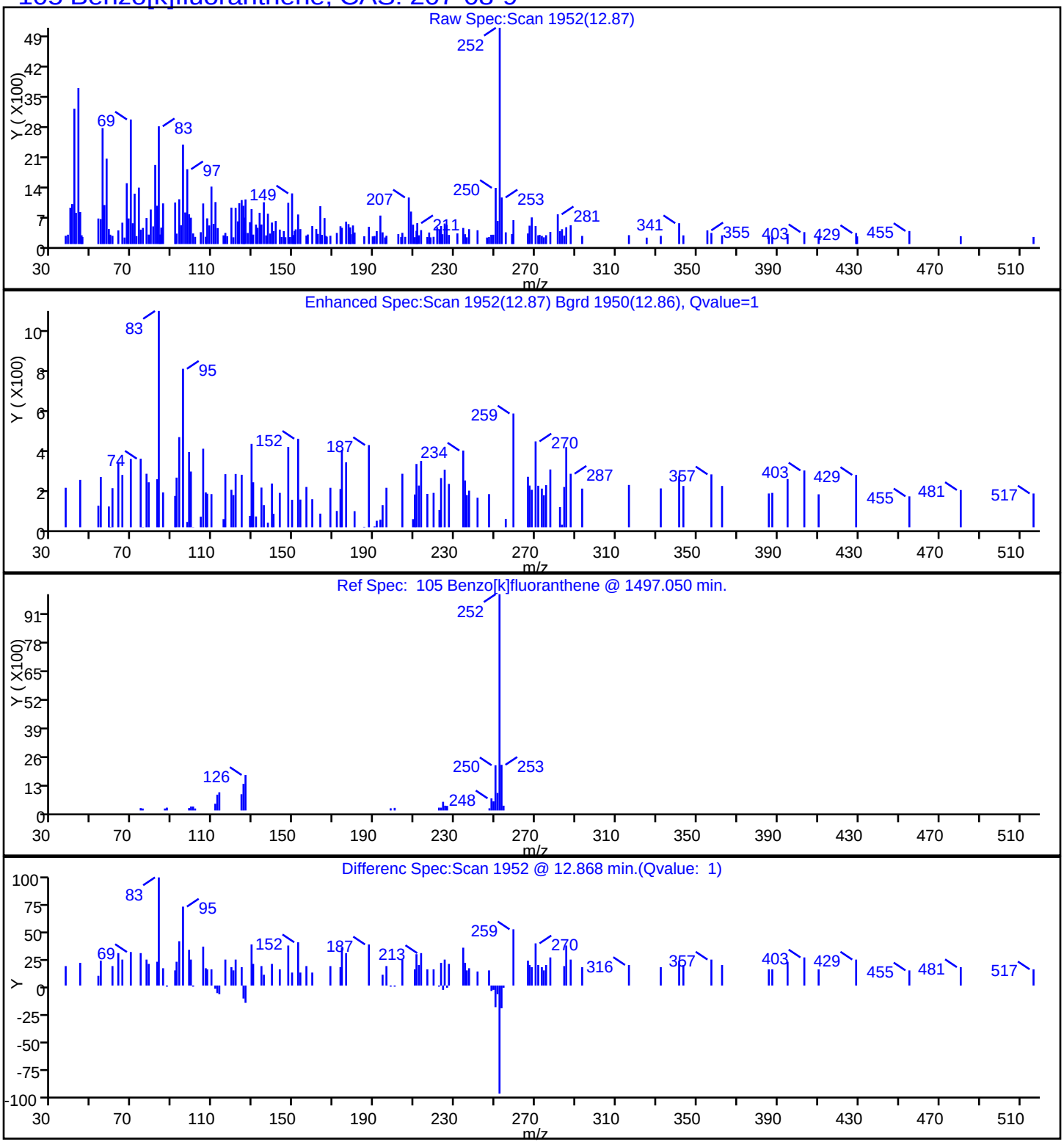
Report Date: 23-Aug-2016 17:00:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



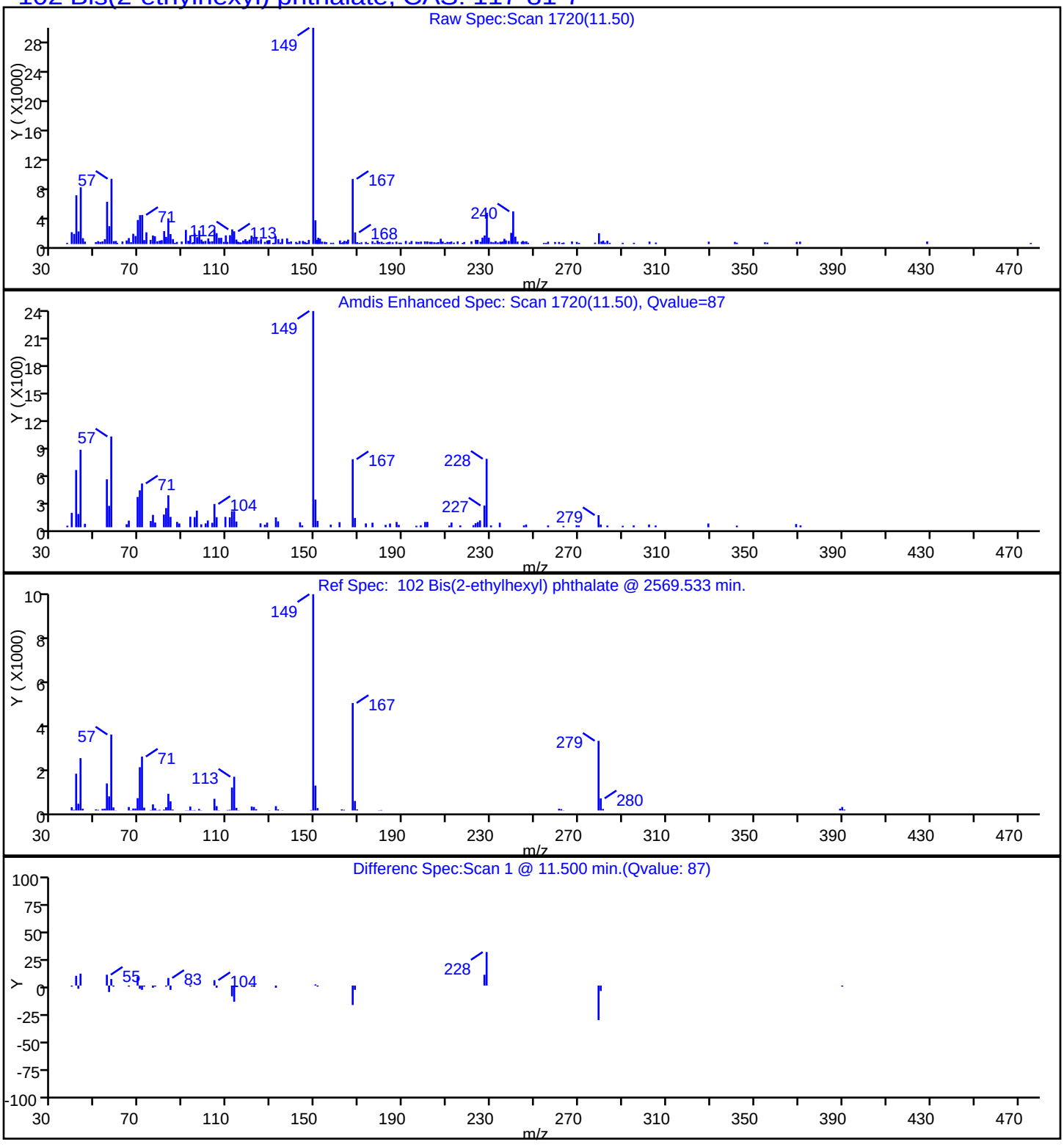
Report Date: 23-Aug-2016 17:00:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



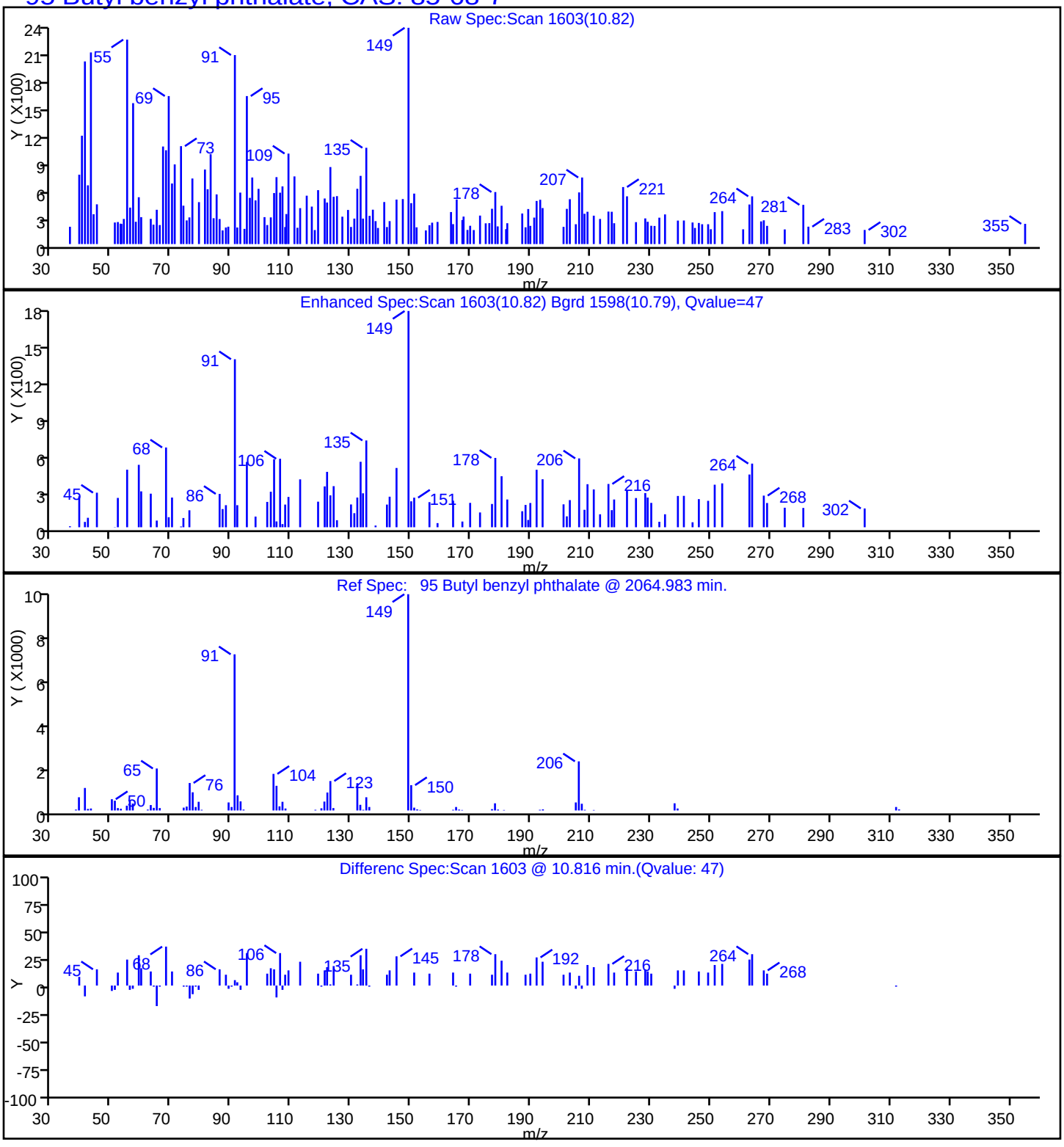
Report Date: 23-Aug-2016 17:00:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

95 Butyl benzyl phthalate, CAS: 85-68-7



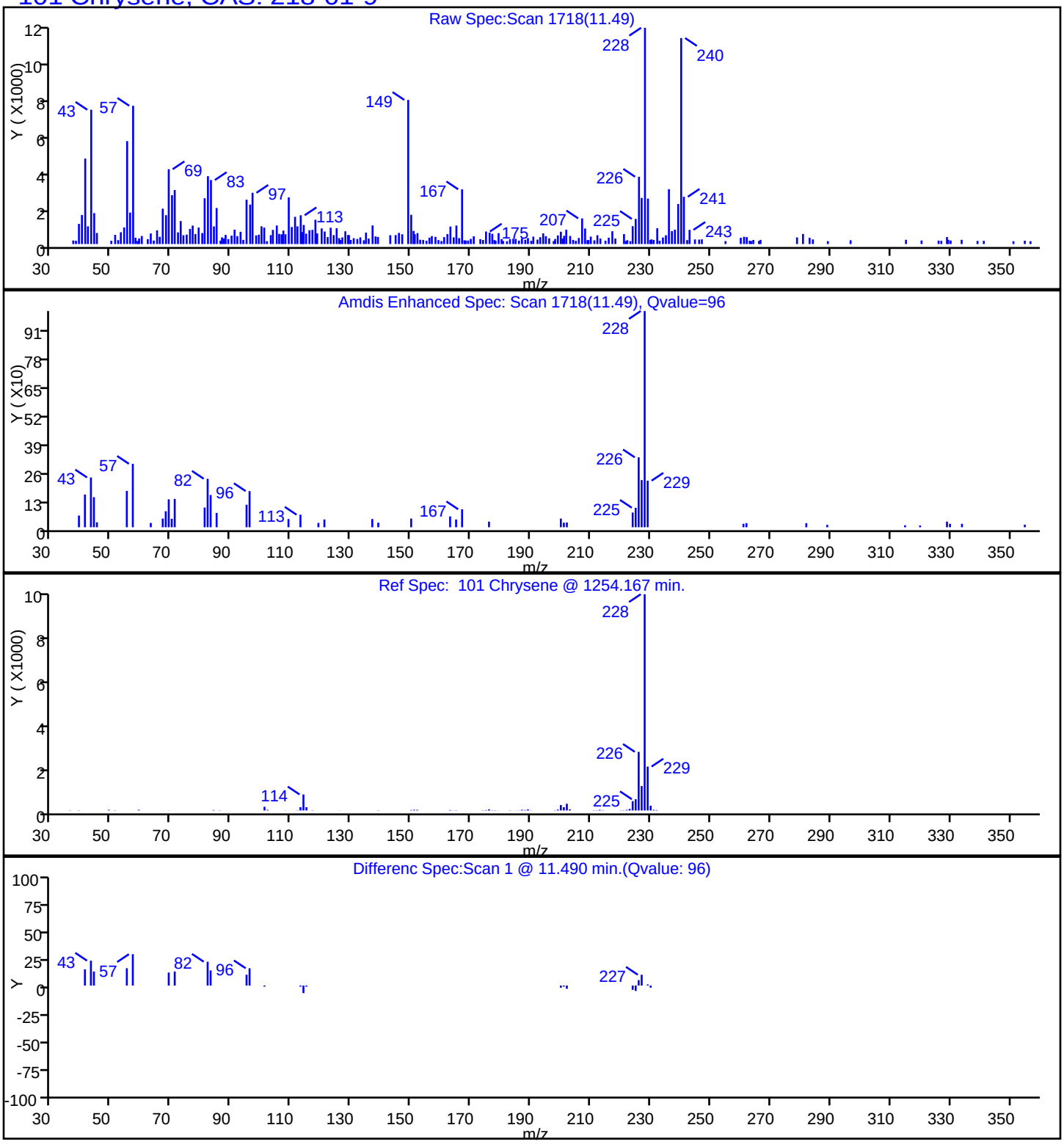
Report Date: 23-Aug-2016 17:00:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9

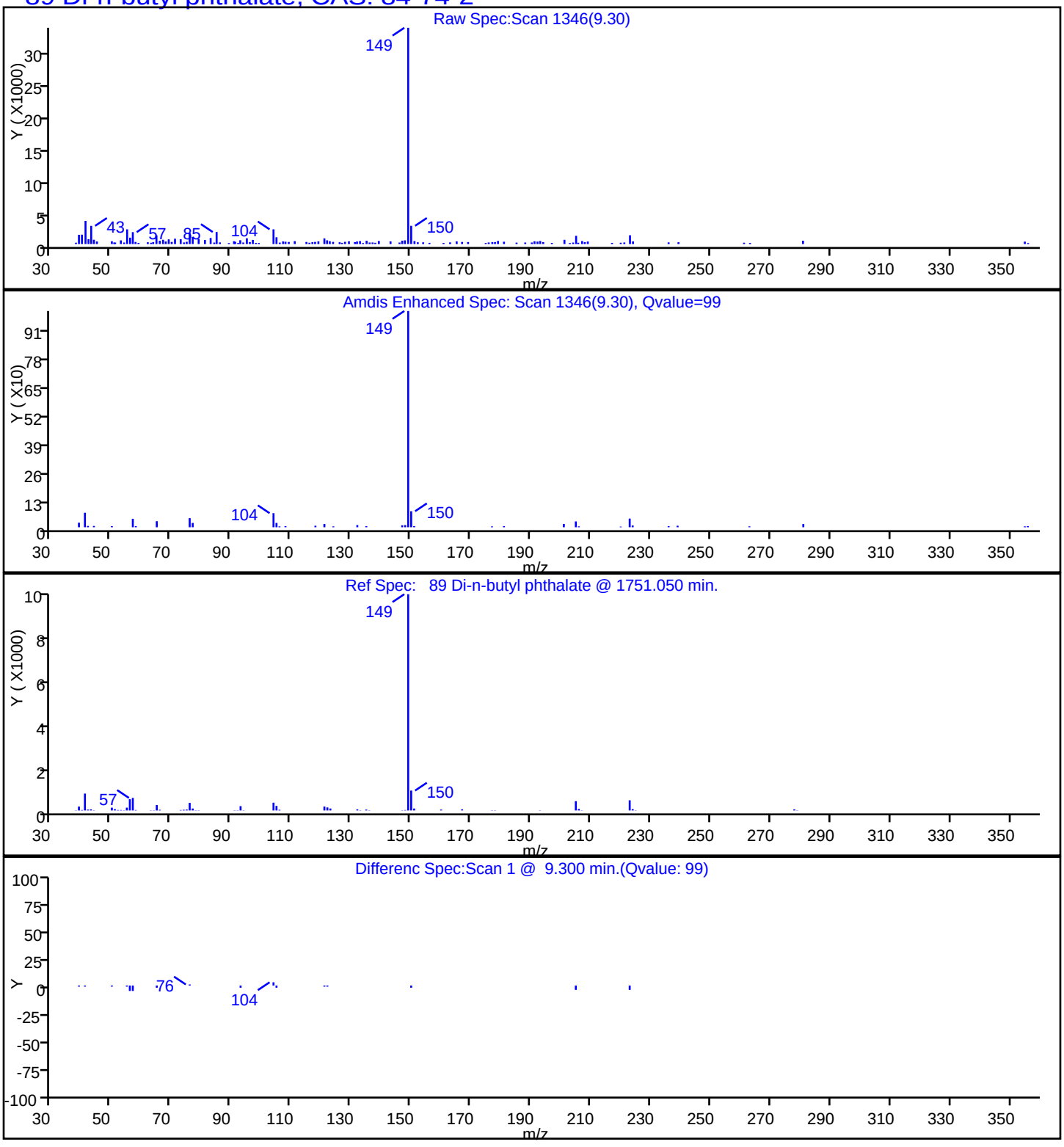


Report Date: 23-Aug-2016 17:00:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D				
Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



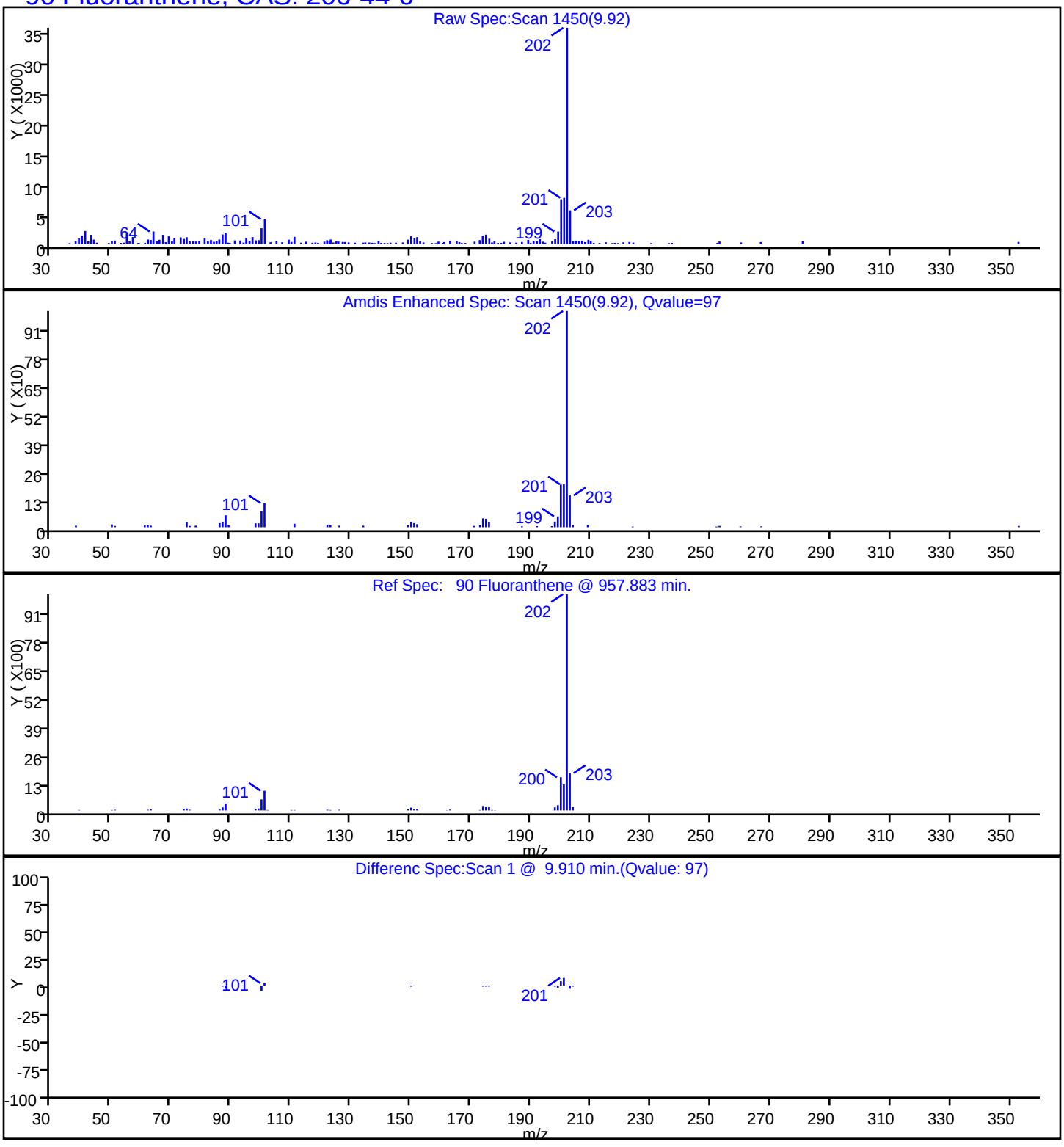
Report Date: 23-Aug-2016 17:00:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



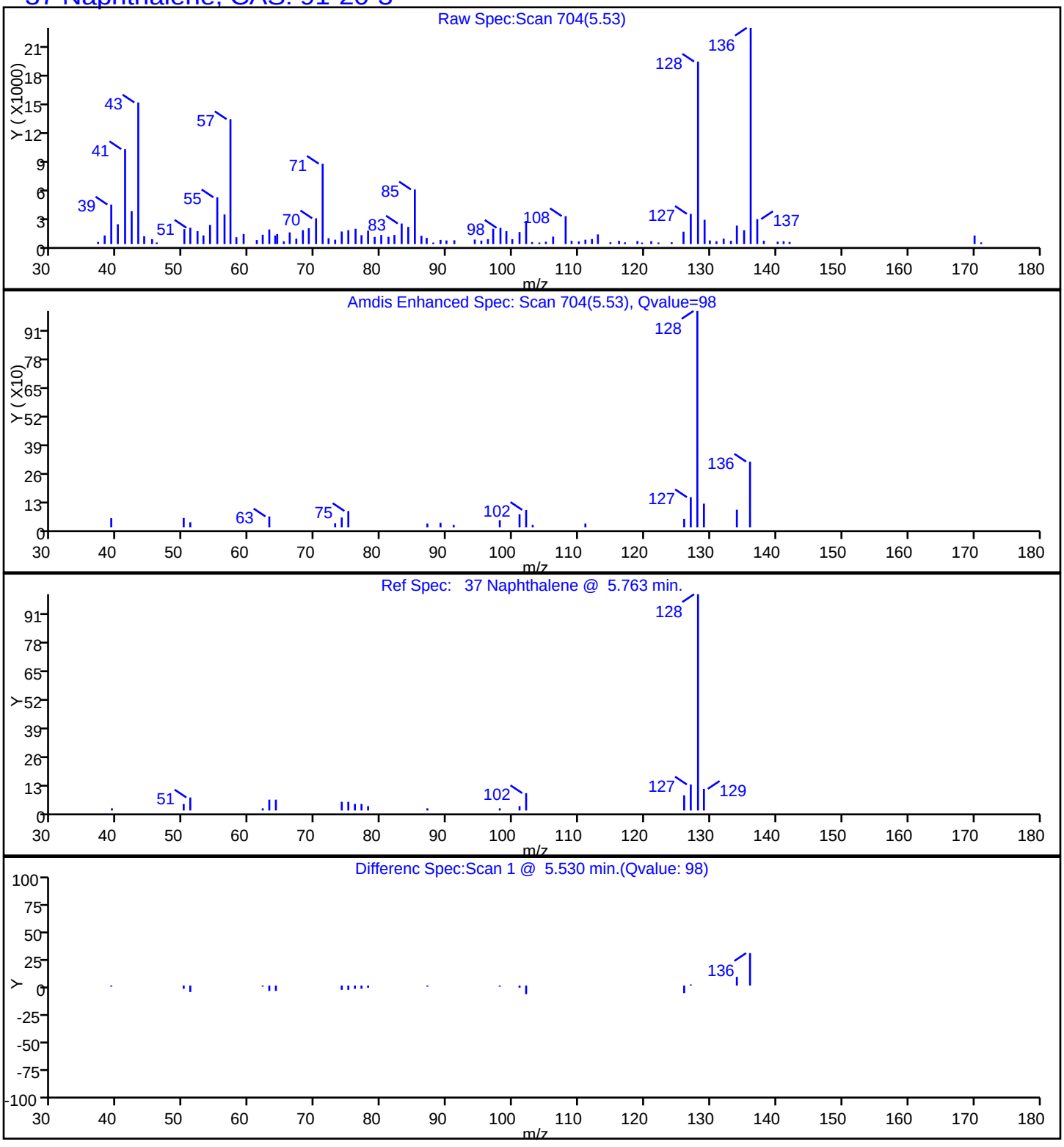
Report Date: 23-Aug-2016 17:00:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3



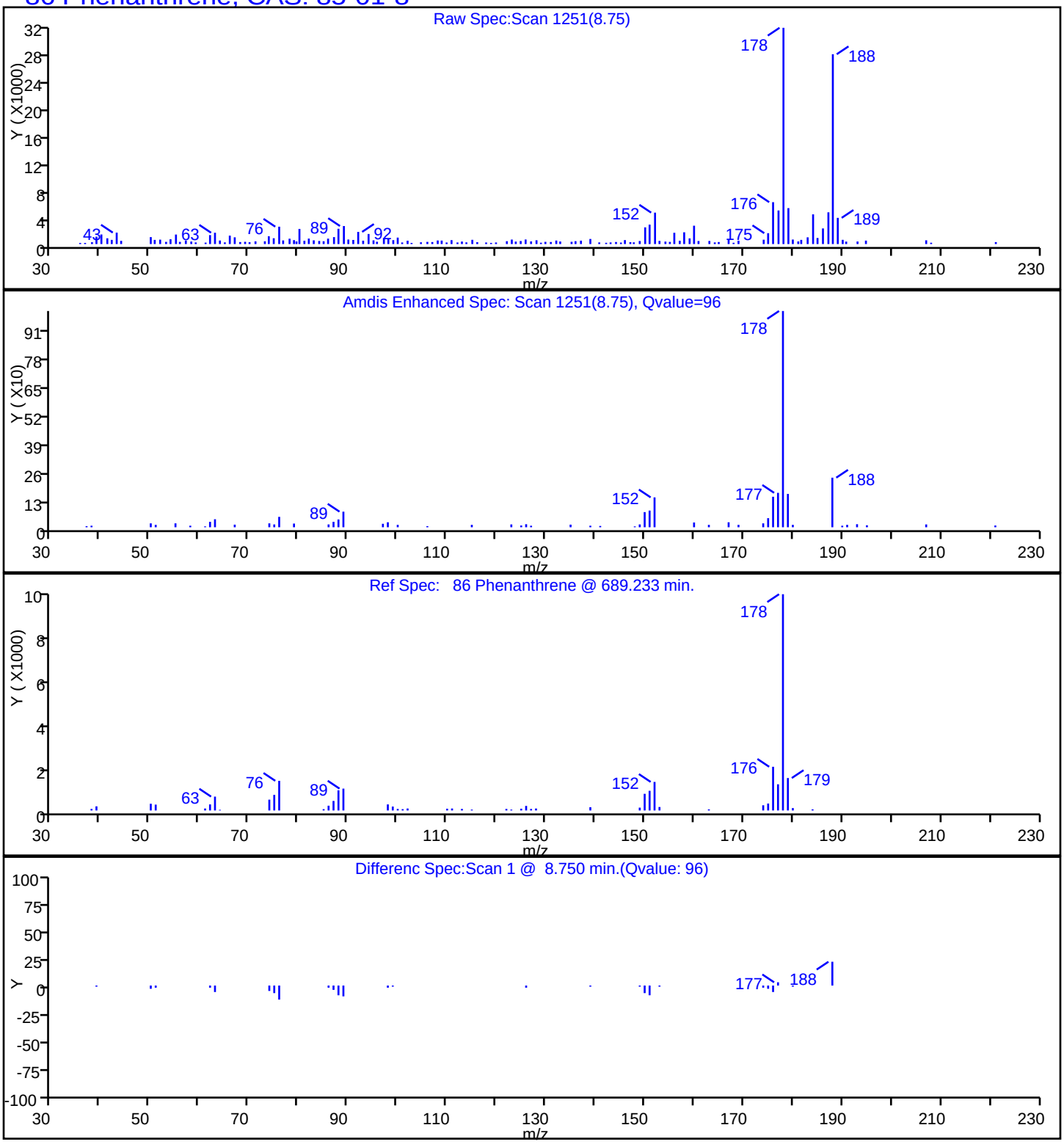
Report Date: 23-Aug-2016 17:00:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



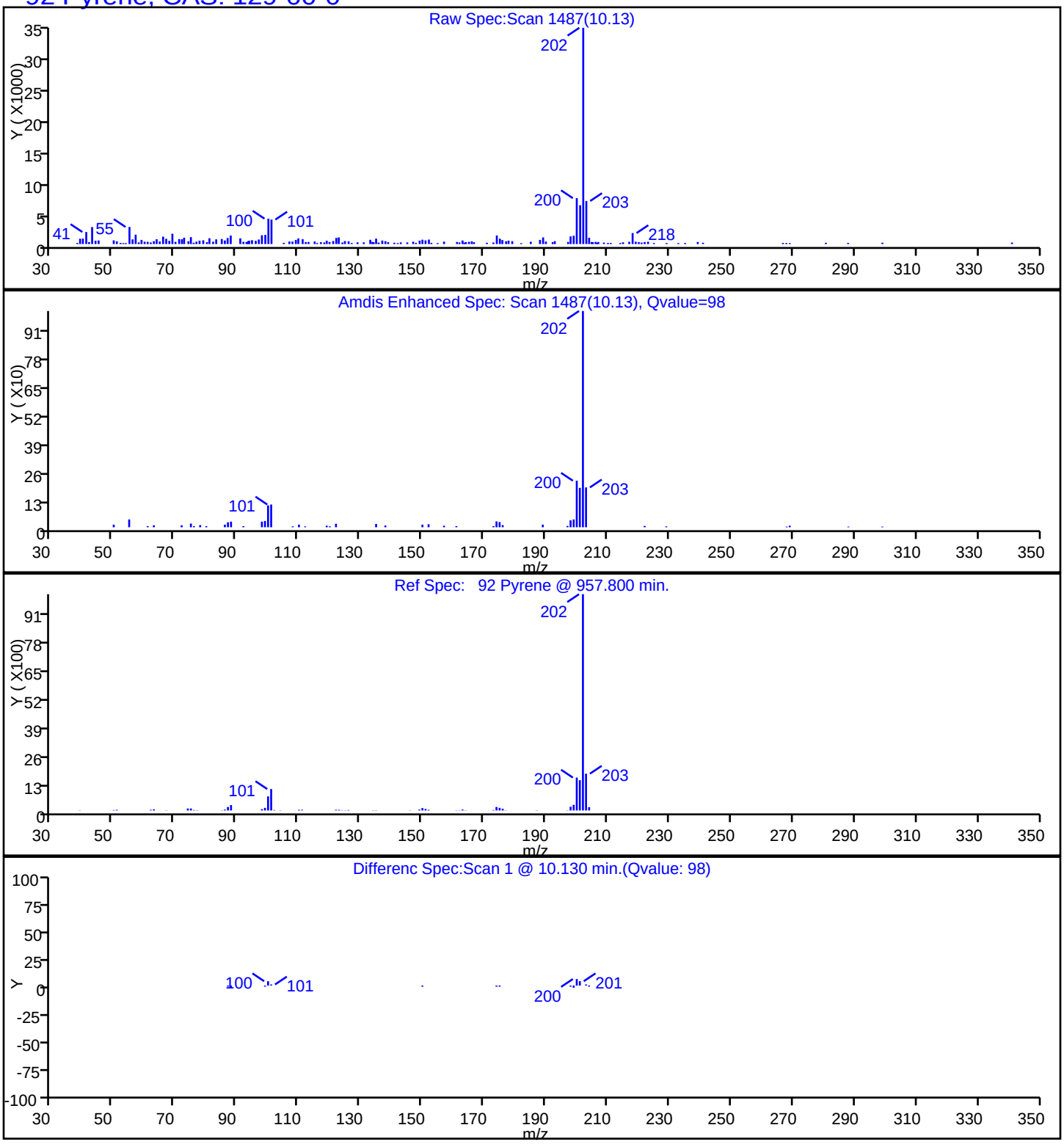
Report Date: 23-Aug-2016 17:00:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357805.D

Injection Date:	23-Aug-2016 10:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-4-A	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 | Lab Sample ID: 460-118857-5

Matrix: Solid | Lab File ID: z41811370.D

Analysis Method: 8270D | Date Collected: 08/18/2016 10:44

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0167(g) | Date Analyzed: 08/22/2016 12:28

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	35	U	35	7.7
95-50-1	1,2-Dichlorobenzene	350	U	350	12
541-73-1	1,3-Dichlorobenzene	350	U	350	27
106-46-7	1,4-Dichlorobenzene	350	U	350	27
108-60-1	2,2'-oxybis[1-chloropropane]	350	U	350	14
121-14-2	2,4-Dinitrotoluene	70	U	70	14
606-20-2	2,6-Dinitrotoluene	70	U	70	19
91-58-7	2-Chloronaphthalene	350	U	350	7.9
91-57-6	2-Methylnaphthalene	21	J	350	7.7
88-74-4	2-Nitroaniline	350	U	350	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	39
99-09-2	3-Nitroaniline	350	U	350	10
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
106-47-8	4-Chloroaniline	350	U	350	8.9
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	10
100-01-6	4-Nitroaniline	350	U	350	13
83-32-9	Acenaphthene	350	U	350	8.4
208-96-8	Acenaphthylene	11	J	350	8.9
120-12-7	Anthracene	350	U	350	33
56-55-3	Benzo[a]anthracene	140		35	29
50-32-8	Benzo[a]pyrene	120		35	11
205-99-2	Benzo[b]fluoranthene	150		35	14
191-24-2	Benzo[g,h,i]perylene	96	J	350	20
207-08-9	Benzo[k]fluoranthene	69		35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.2
117-81-7	Bis(2-ethylhexyl) phthalate	42	J	350	14
85-68-7	Butyl benzyl phthalate	350	U	350	11
86-74-8	Carbazole	350	U	350	8.6
218-01-9	Chrysene	160	J	350	9.5
53-70-3	Dibenz(a,h)anthracene	27	J	35	18
132-64-9	Dibenzofuran	350	U	350	11
84-66-2	Diethyl phthalate	350	U	350	9.9
131-11-3	Dimethyl phthalate	350	U	350	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 | Lab Sample ID: 460-118857-5

Matrix: Solid | Lab File ID: z41811370.D

Analysis Method: 8270D | Date Collected: 08/18/2016 10:44

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0167(g) | Date Analyzed: 08/22/2016 12:28

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	23	J	350	10
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	260	J	350	10
86-73-7	Fluorene	350	U	350	7.6
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	70	U	70	9.8
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	90		35	23
78-59-1	Isophorone	140	U	140	7.5
91-20-3	Naphthalene	18	J	350	8.8
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	32
85-01-8	Phenanthrene	110	J	350	9.3
129-00-0	Pyrene	240	J	350	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	86		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	77		37-94
1718-51-0	Terphenyl-d14 (Surr)	90		24-109

Report Date: 22-Aug-2016 18:37:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D
Lims ID: 460-118857-F-5-B
Client ID: SB-8 (2-4) 08182016
Sample Type: Client
Inject. Date: 22-Aug-2016 12:28:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044693-015
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 18:37:32 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: bayoumiw Date: 22-Aug-2016 18:37:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.663	2.610	0.053	95	462309	33.3	
5 Benzaldehyde	77	3.428	3.410	0.018	91	4696	0.3973	
$ 6 Phenol-d5	99	3.540	3.546	-0.006	87	528601	34.2	
10 Benzonitrile	103	3.622	3.628	-0.006	0	119	NC	
12 n-Decane	43	3.716	3.728	-0.012	88	1975	0.1099	
* 14 1,4-Dichlorobenzene-d4	152	3.857	3.857	0.000	95	438729	40.0	
24 4-Methylphenol	108	4.322	4.334	-0.012	94	14864	1.29	
23 3 & 4 Methylphenol	108	4.322	4.334	-0.012	96	14864	1.29	
$ 26 Nitrobenzene-d5	82	4.422	4.440	-0.018	89	492515	38.6	
29 2-Toluidine	107	4.975	5.051	-0.076	48	1328	NC	
35 Benzoic acid	122	4.969	5.063	-0.094	90	23828	6.63	
* 38 Naphthalene-d8	136	5.151	5.151	0.000	99	1432170	40.0	
39 Naphthalene	128	5.169	5.181	-0.012	98	9031	0.2513	
44 2-Methylnaphthalene	142	5.875	5.881	-0.006	86	6812	0.3037	
45 1-Methylnaphthalene	142	5.969	5.975	-0.006	94	4678	0.2272	
$ 51 2-Fluorobiphenyl	172	6.251	6.257	-0.006	98	1120653	42.8	
63 Acenaphthylene	152	6.763	6.769	-0.006	97	4763	0.1602	
* 65 Acenaphthene-d10	164	6.904	6.904	0.000	93	652218	40.0	
61 1-Naphthylamine	143	7.145	7.157	-0.012	76	4510	NC	
62 2-Naphthylamine	143	7.192	7.157	0.035	45	1749	NC	
$ 80 2,4,6-Tribromophenol	330	7.686	7.692	-0.006	94	121823	41.2	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	840088	40.0	
88 Phenanthrene	178	8.380	8.386	-0.006	96	35435	1.52	
91 Di-n-butyl phthalate	149	8.974	8.975	-0.001	95	7457	0.3316	
92 Fluoranthene	202	9.551	9.551	0.000	98	74640	3.65	
94 Pyrene	202	9.769	9.769	0.000	98	68155	3.40	
$ 96 Terphenyl-d14	244	9.945	9.939	0.006	100	660041	45.2	
101 Benzo[a]anthracene	228	10.992	10.992	0.000	97	30446	2.00	
* 102 Chrysene-d12	240	11.004	10.998	0.006	99	497079	40.0	
103 Chrysene	228	11.027	11.033	-0.006	99	31026	2.26	
104 Bis(2-ethylhexyl) phthalat	149	11.074	11.074	0.000	83	5706	0.6010	
106 Benzo[b]fluoranthene	252	12.268	12.268	0.000	97	27072	2.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	12.298	12.304	-0.006	47	12978	0.99	
108 Benzo[a]pyrene	252	12.674	12.674	0.000	98	19843	1.69	
* 109 Perylene-d12	264	12.751	12.745	0.006	99	430090	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.121	14.121	0.000	97	14042	1.29	
111 Dibenz(a,h)anthracene	278	14.139	14.151	-0.012	27	4200	0.3869	
112 Benzo[g,h,i]perylene	276	14.451	14.451	0.000	97	13353	1.37	
S 119 Total Cresols	1				0		1.29	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00118 Amount Added: 20.00 Units: uL Run Reagent

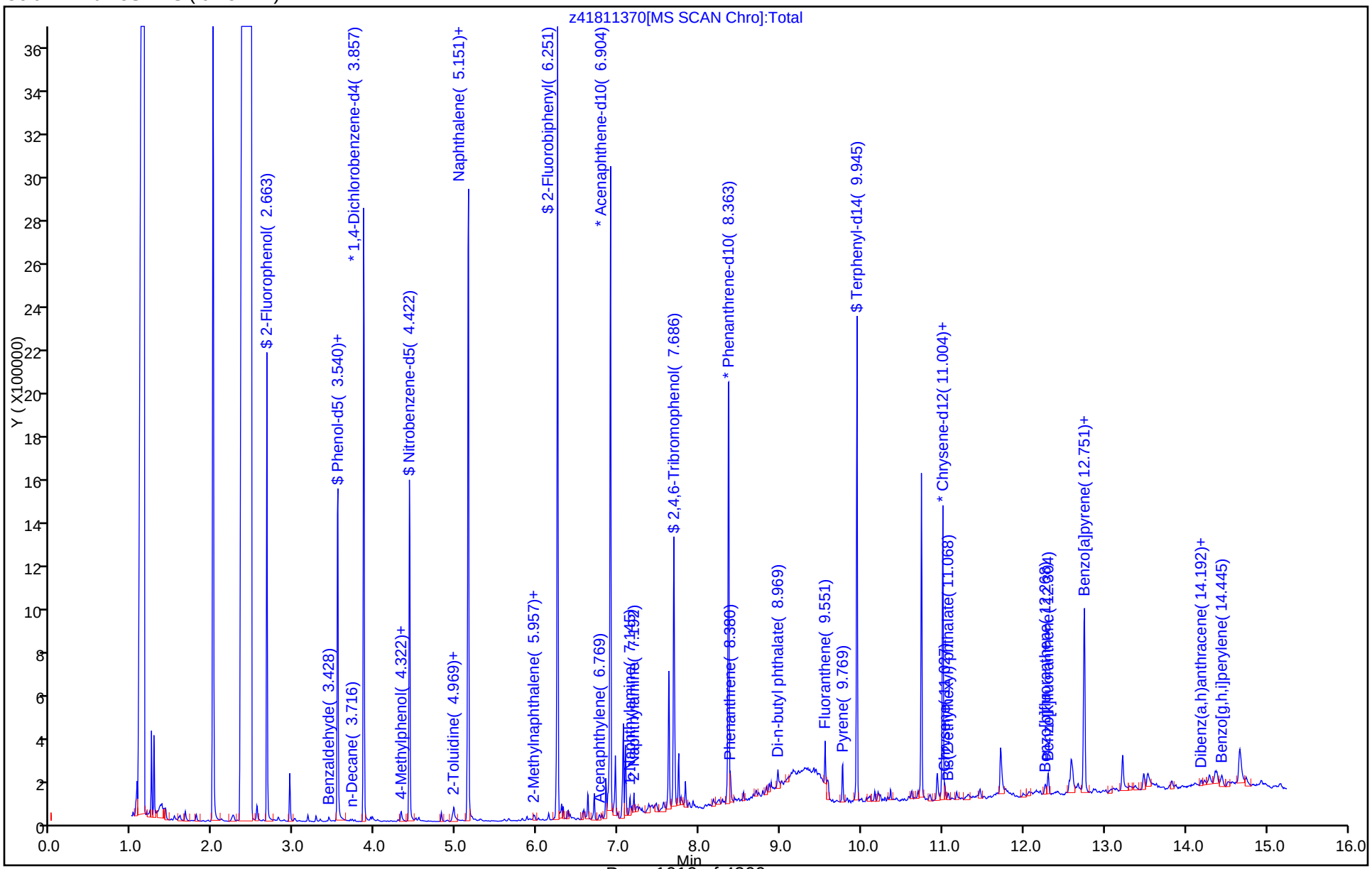
Report Date: 22-Aug-2016 18:37:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5	Worklist Smp#:	15
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



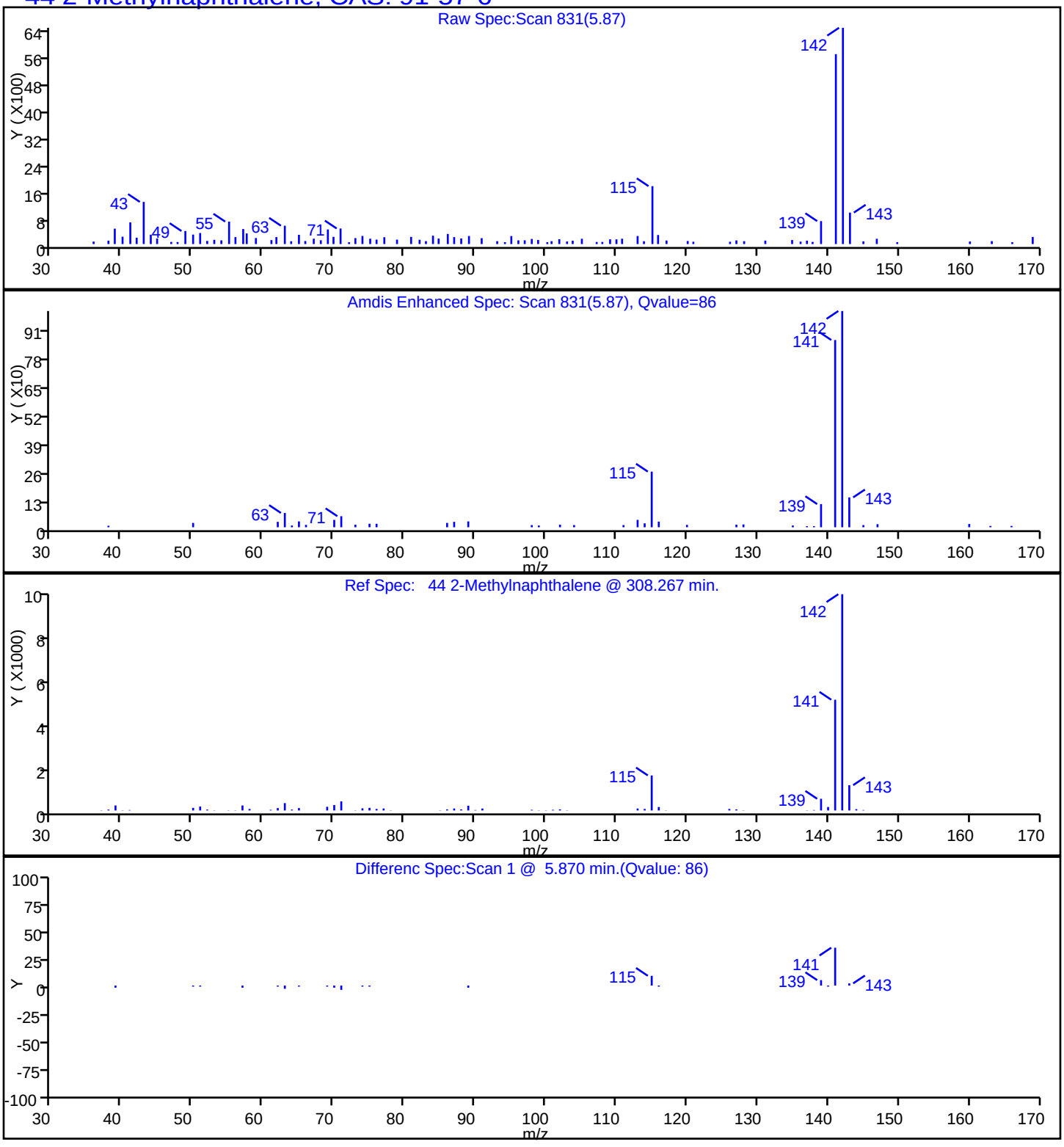
Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

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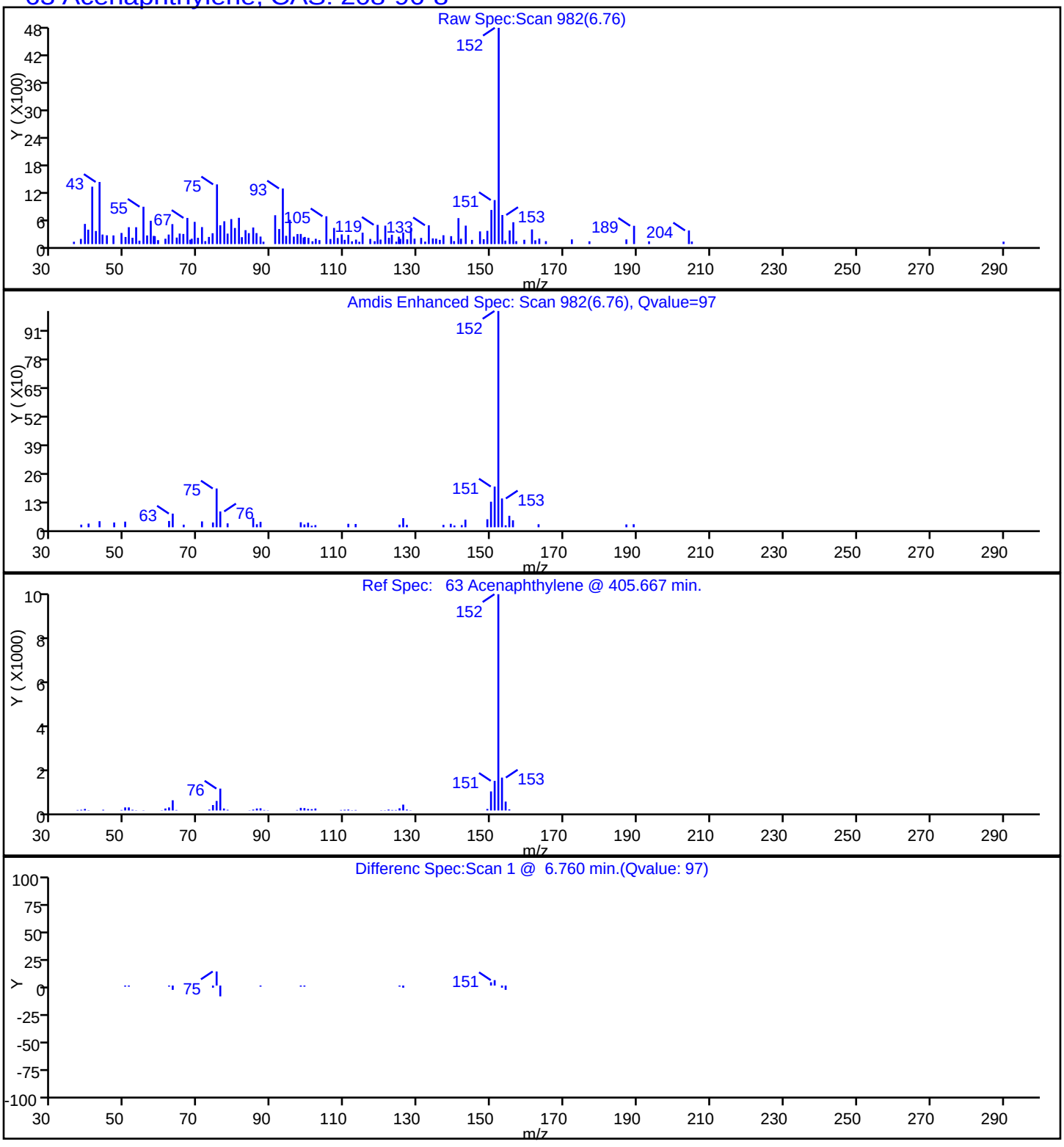
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 Acenaphthylene, CAS: 208-96-8

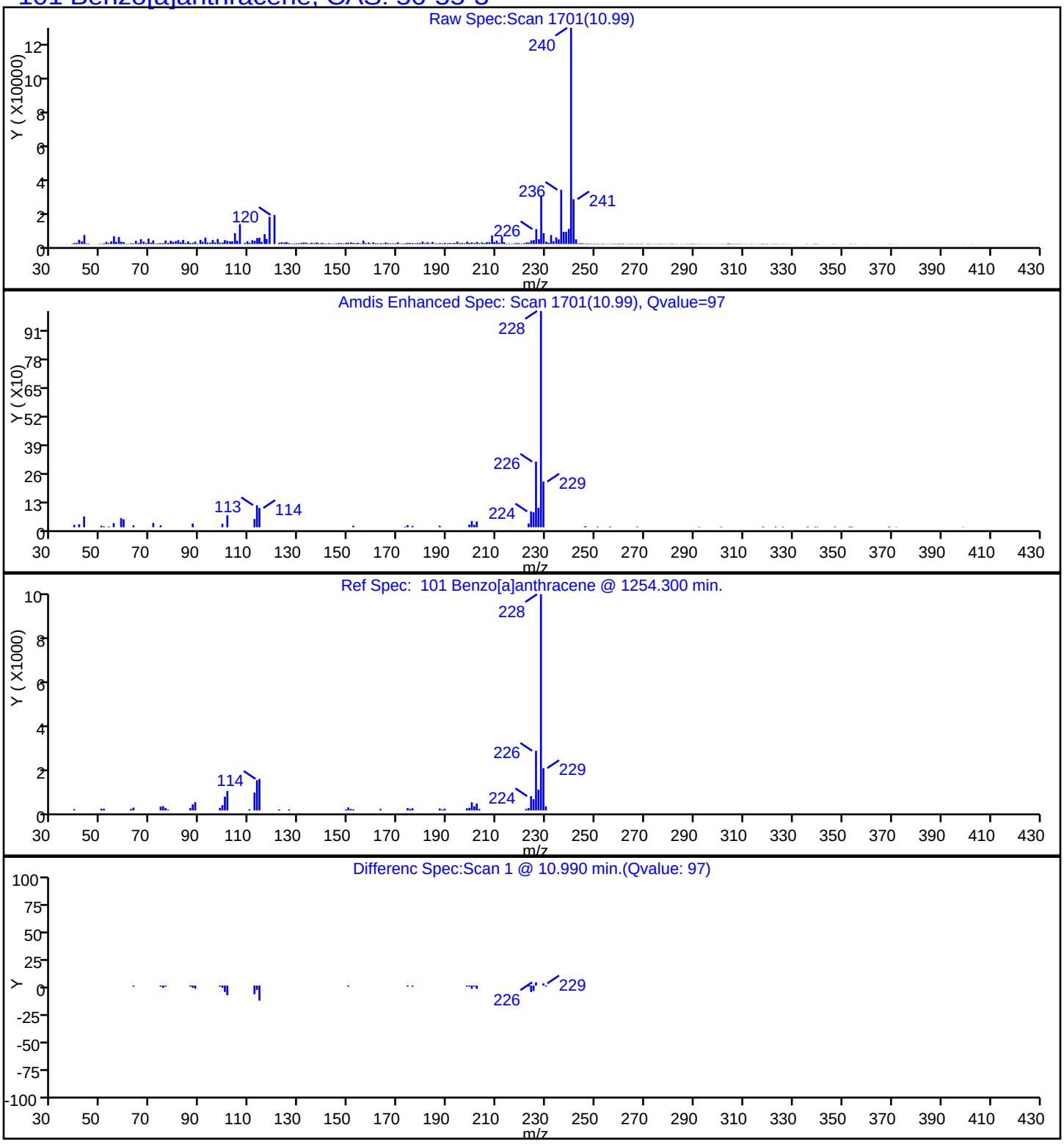


Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D				
Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

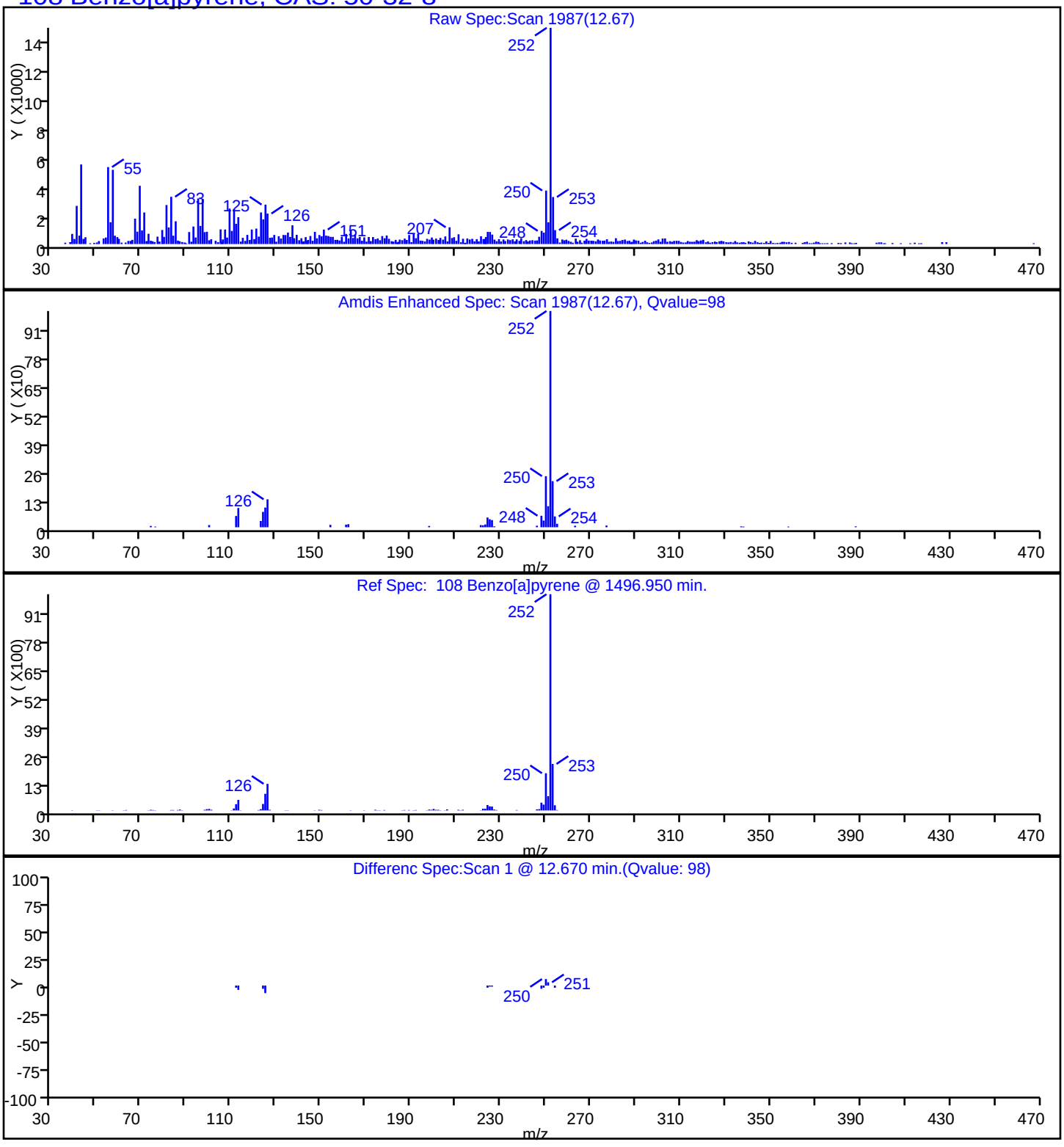


Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D				
Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



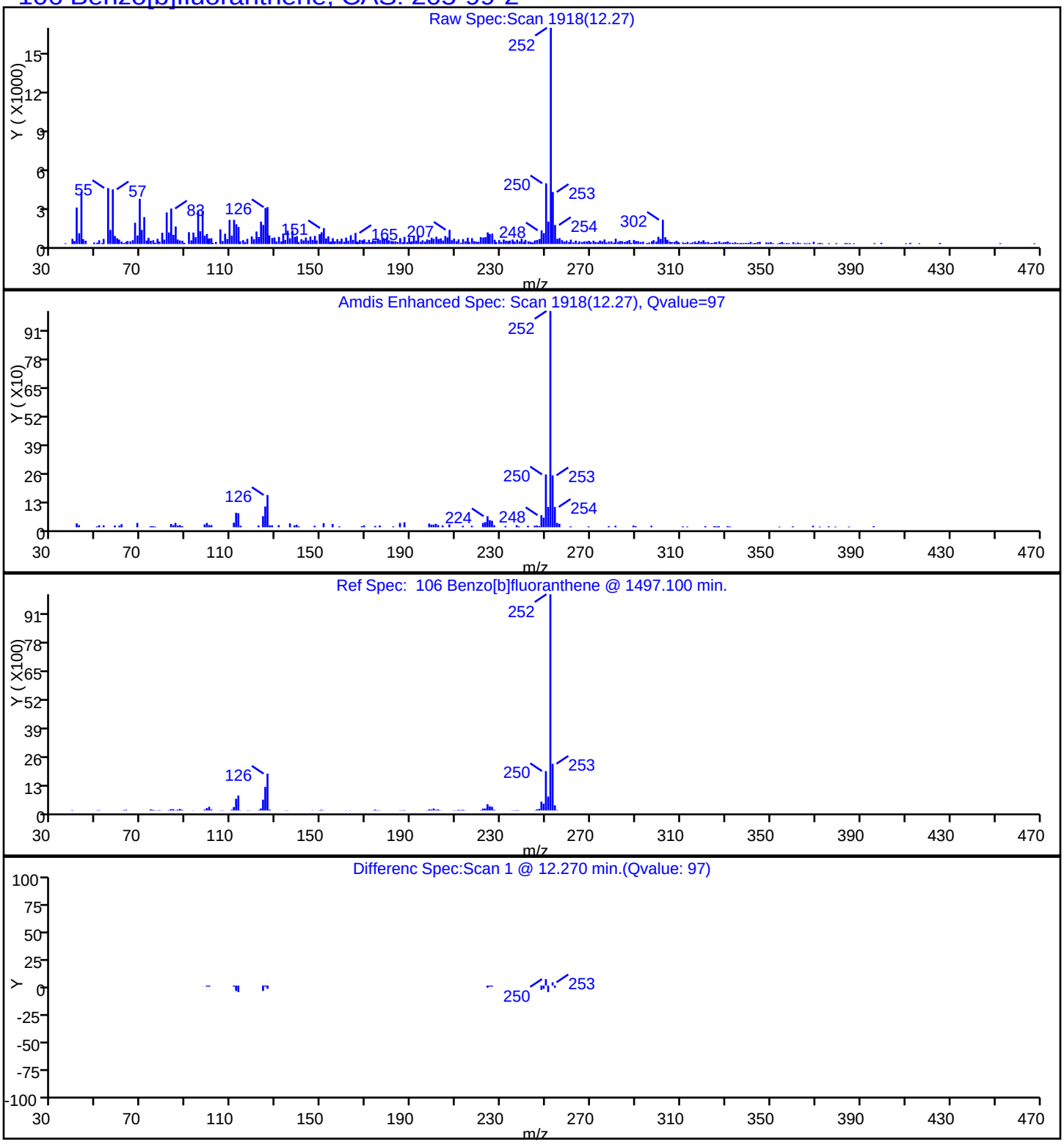
Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

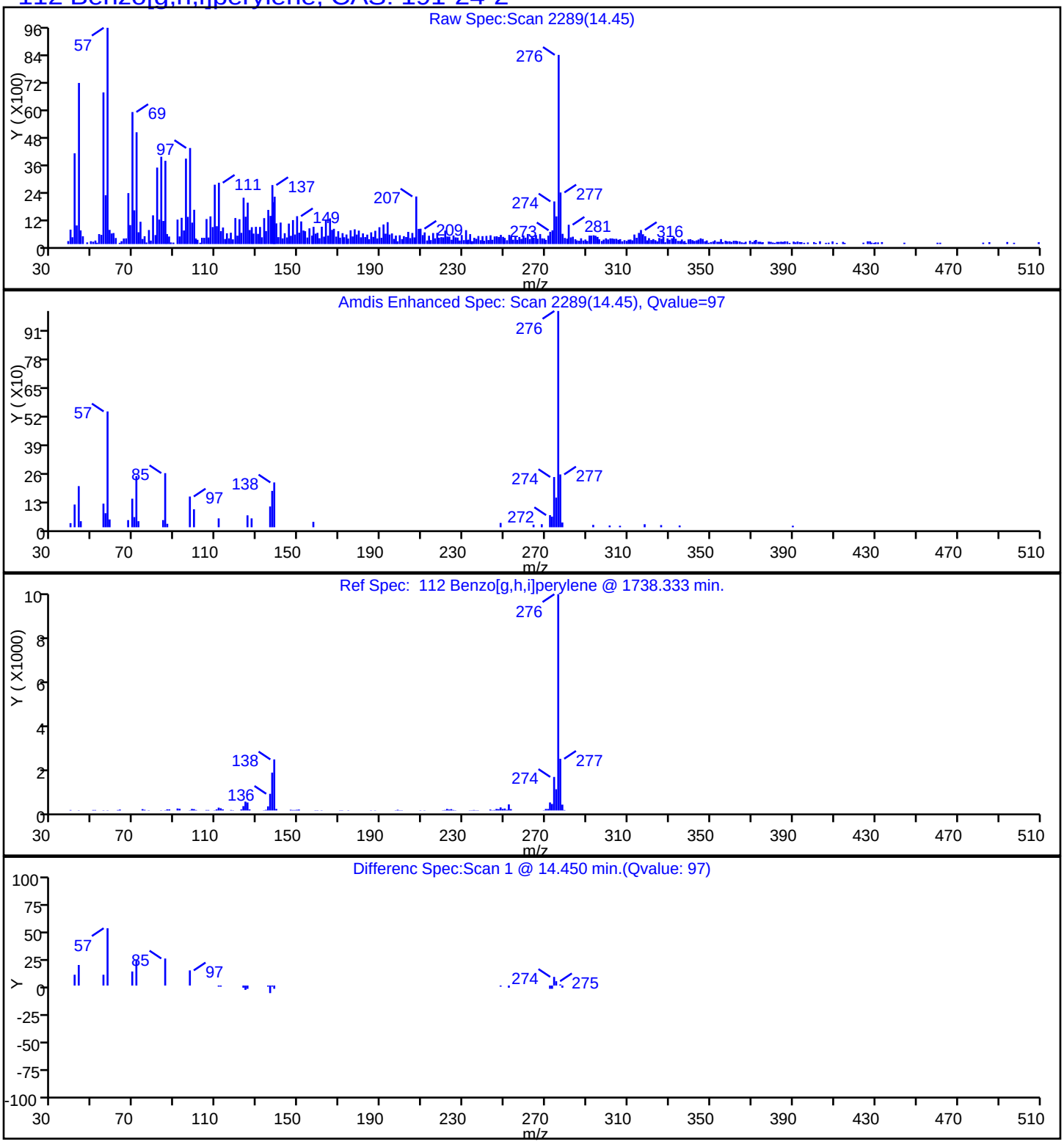


Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D				
Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



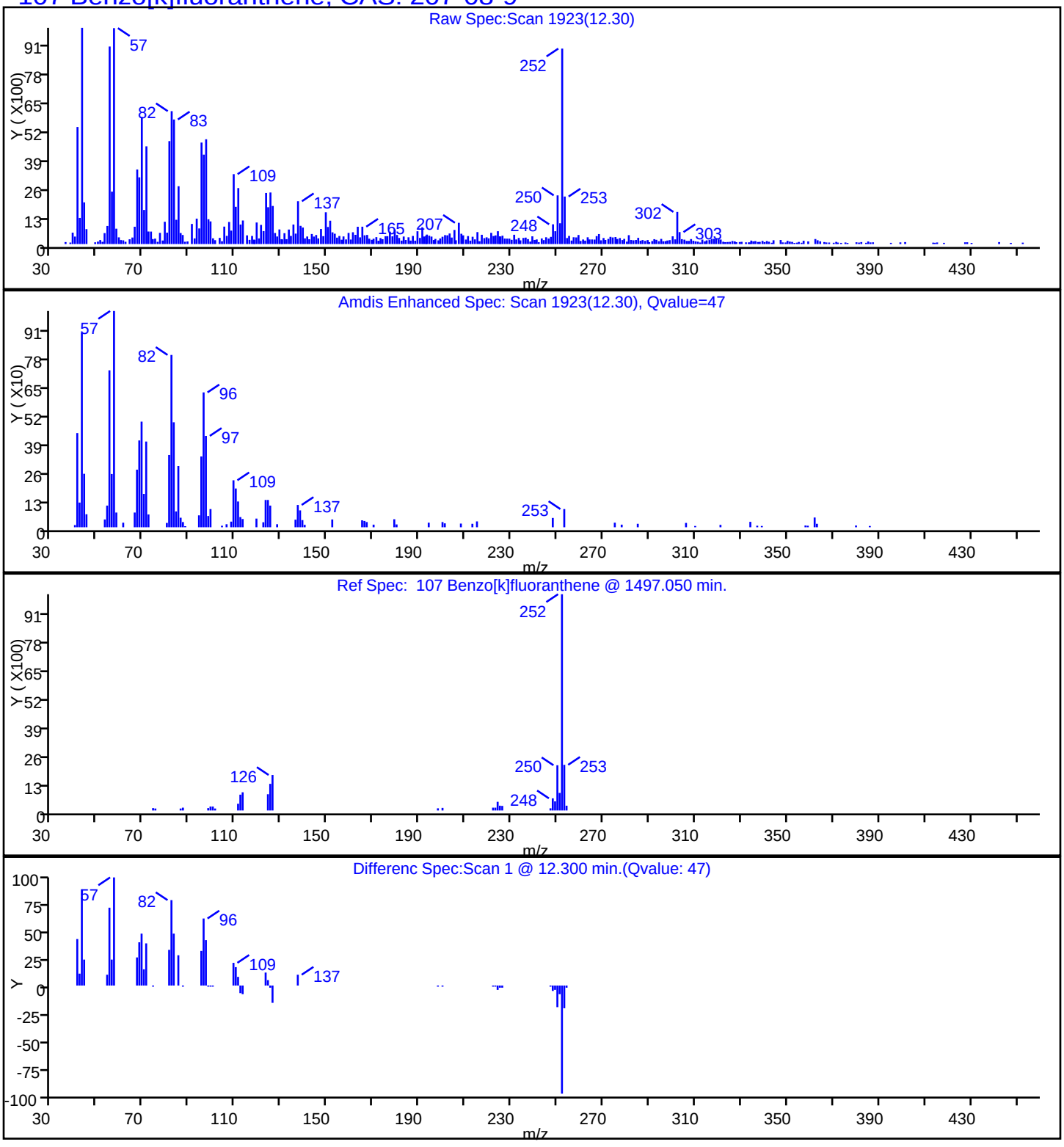
Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



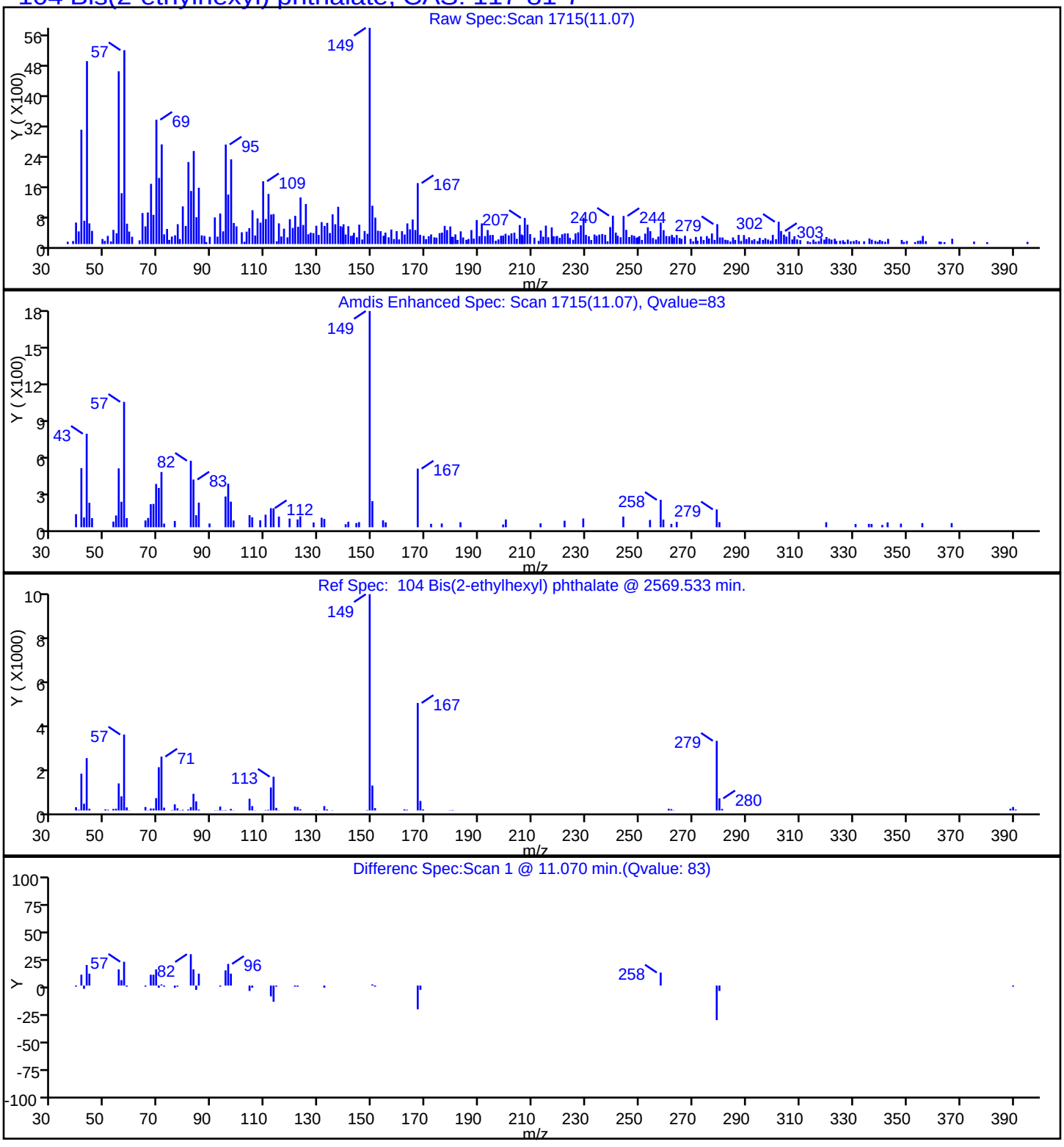
Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



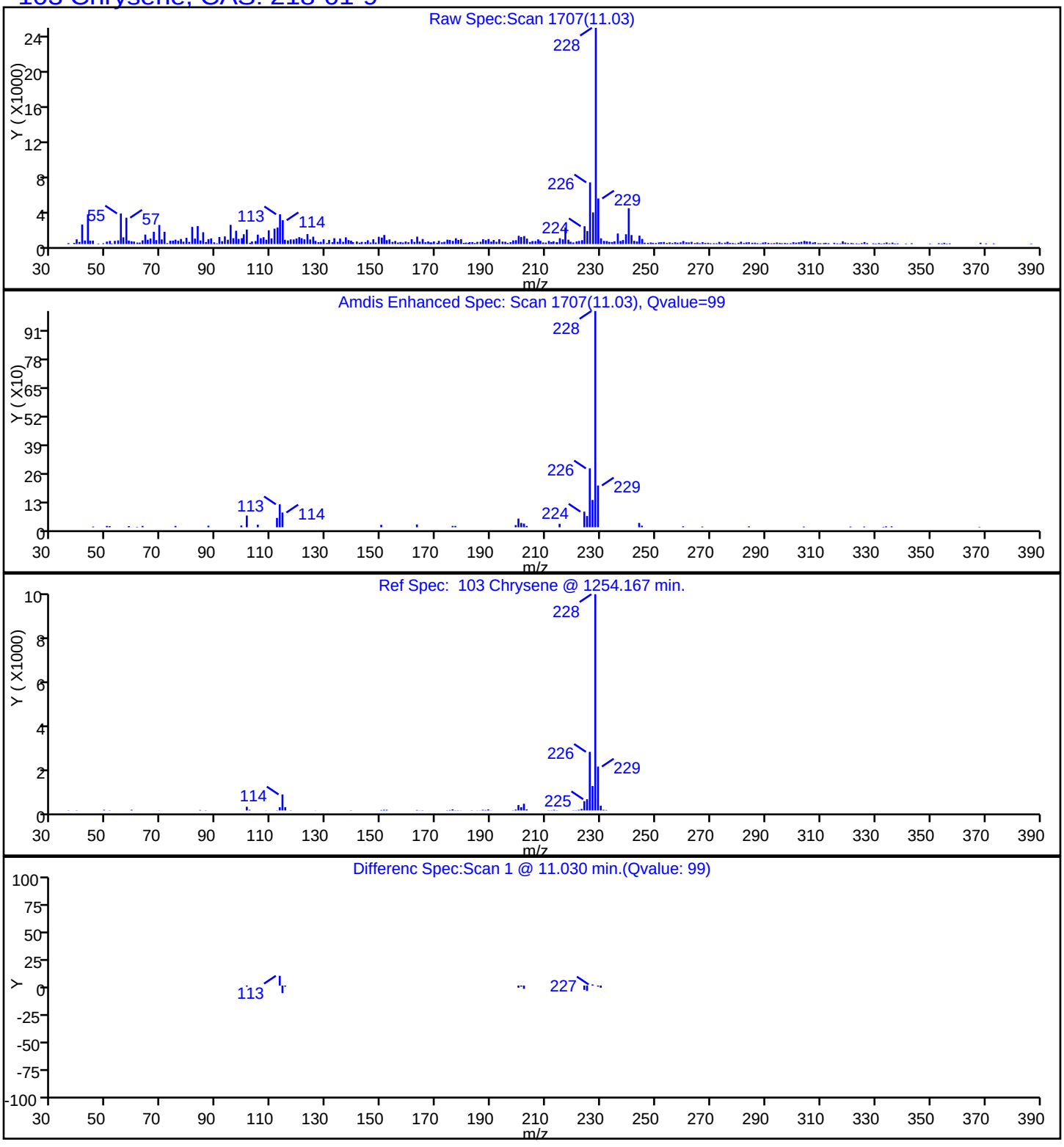
Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9

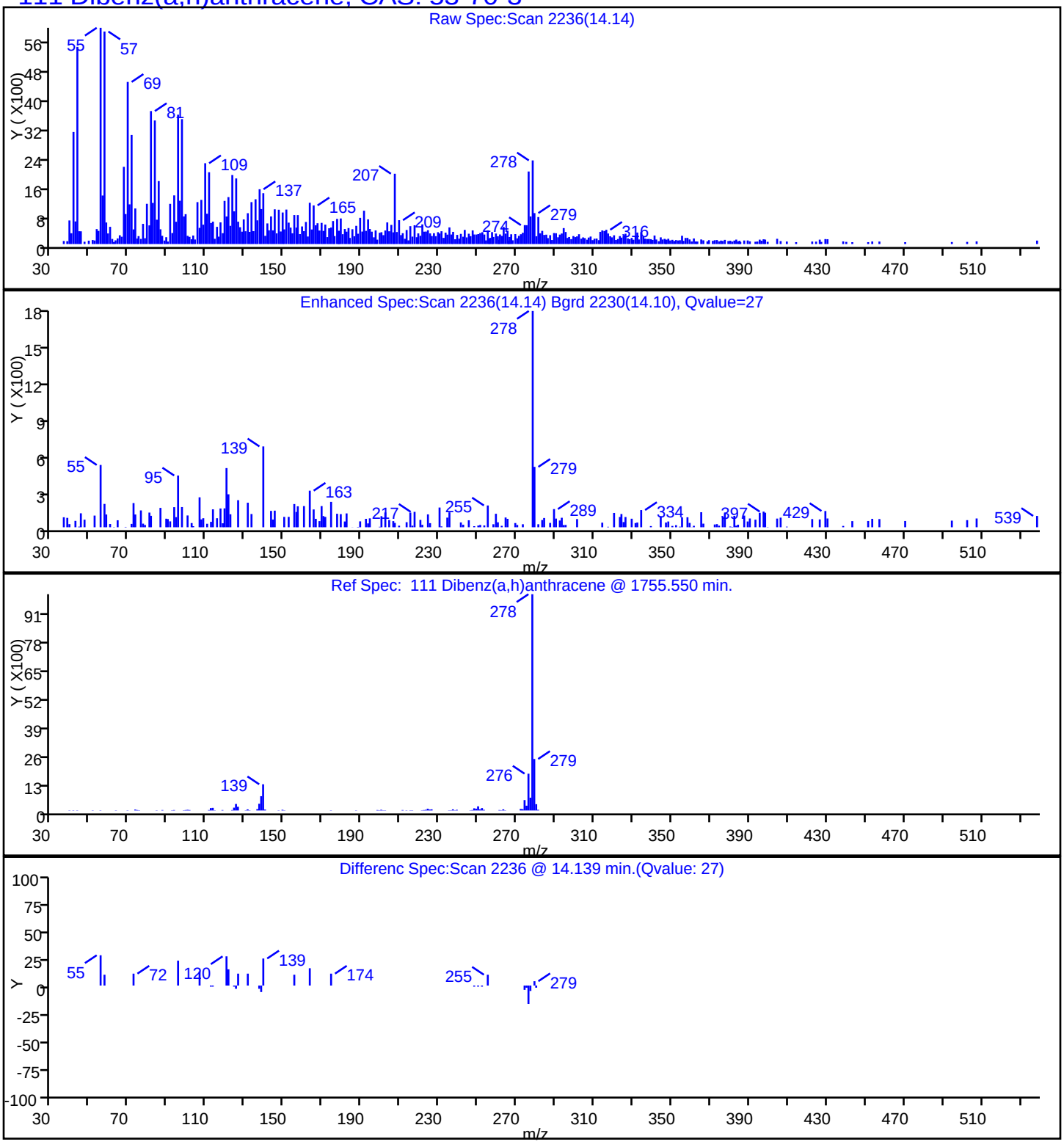


Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D				
Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



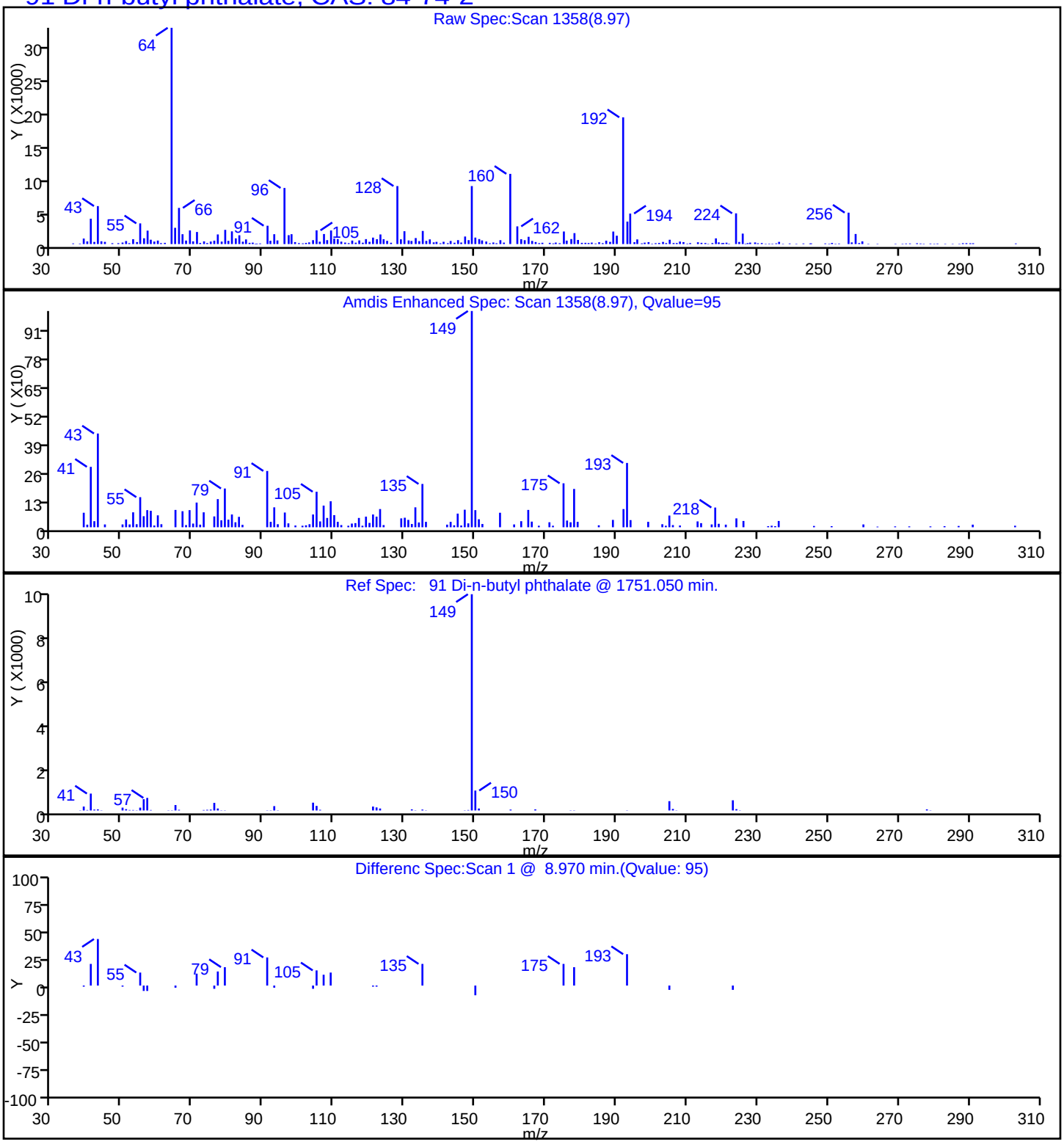
Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Di-n-butyl phthalate, CAS: 84-74-2

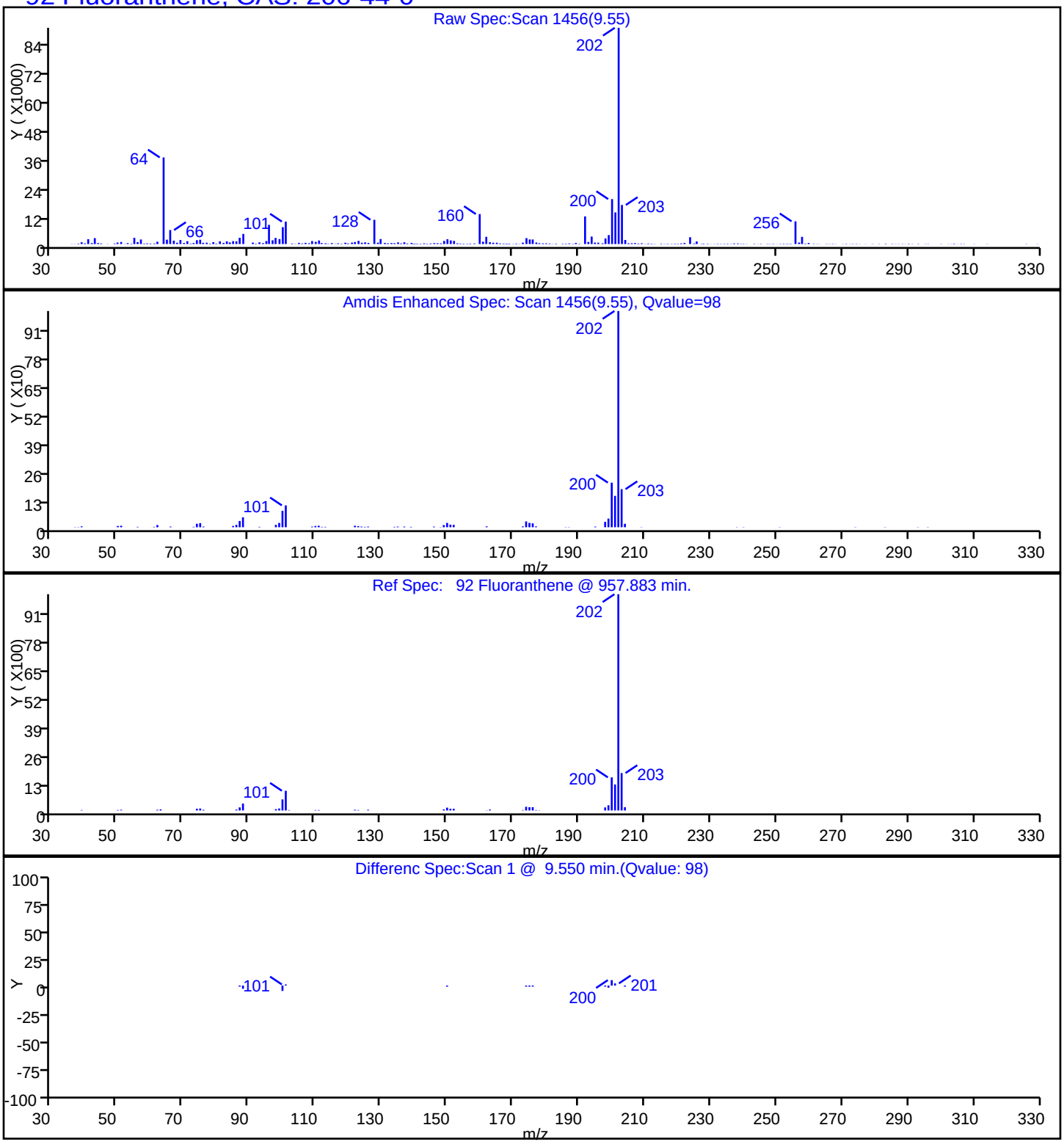


Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D				
Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0

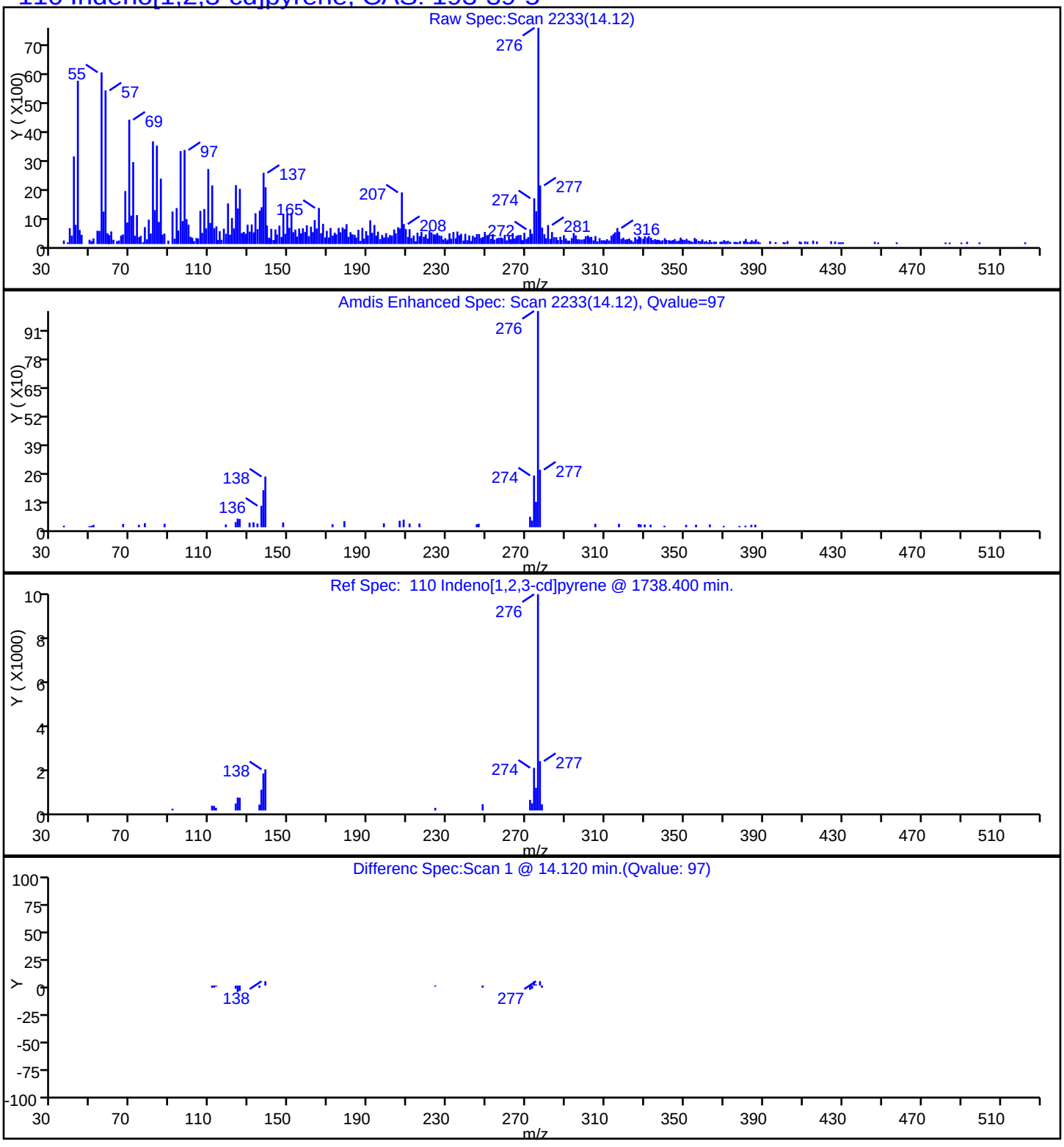


Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D				
Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



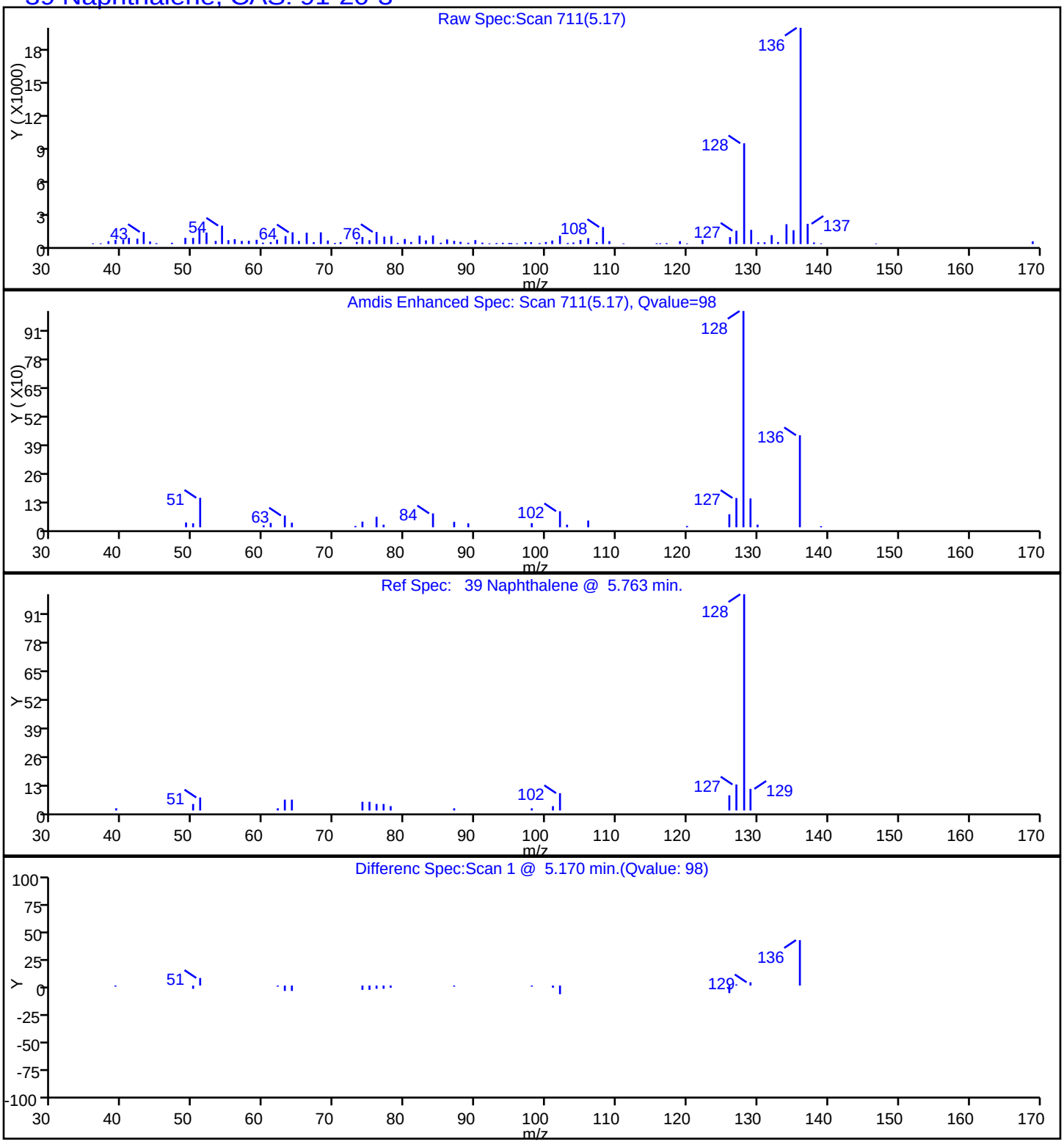
Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

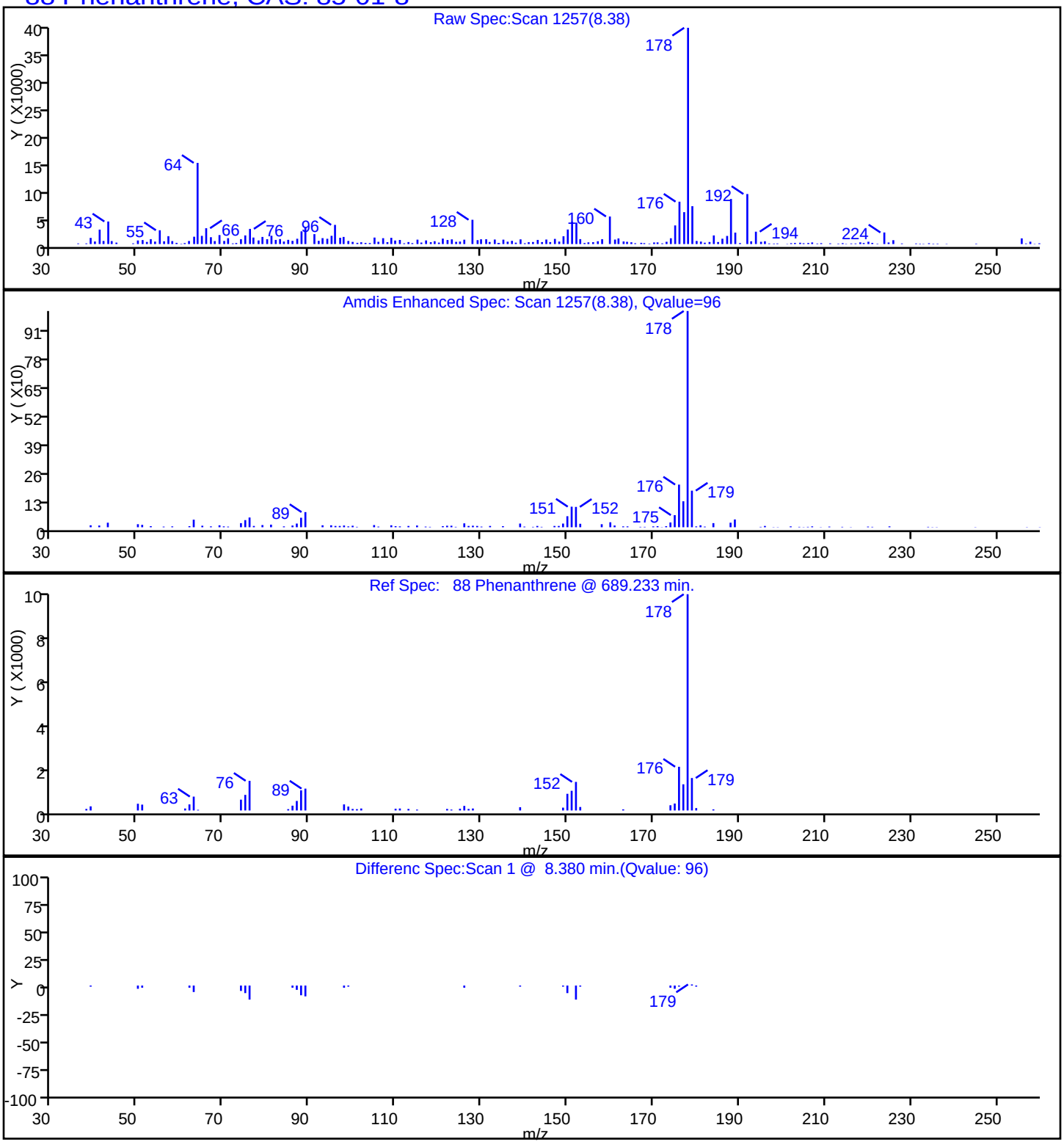


Report Date: 22-Aug-2016 18:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D				
Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8



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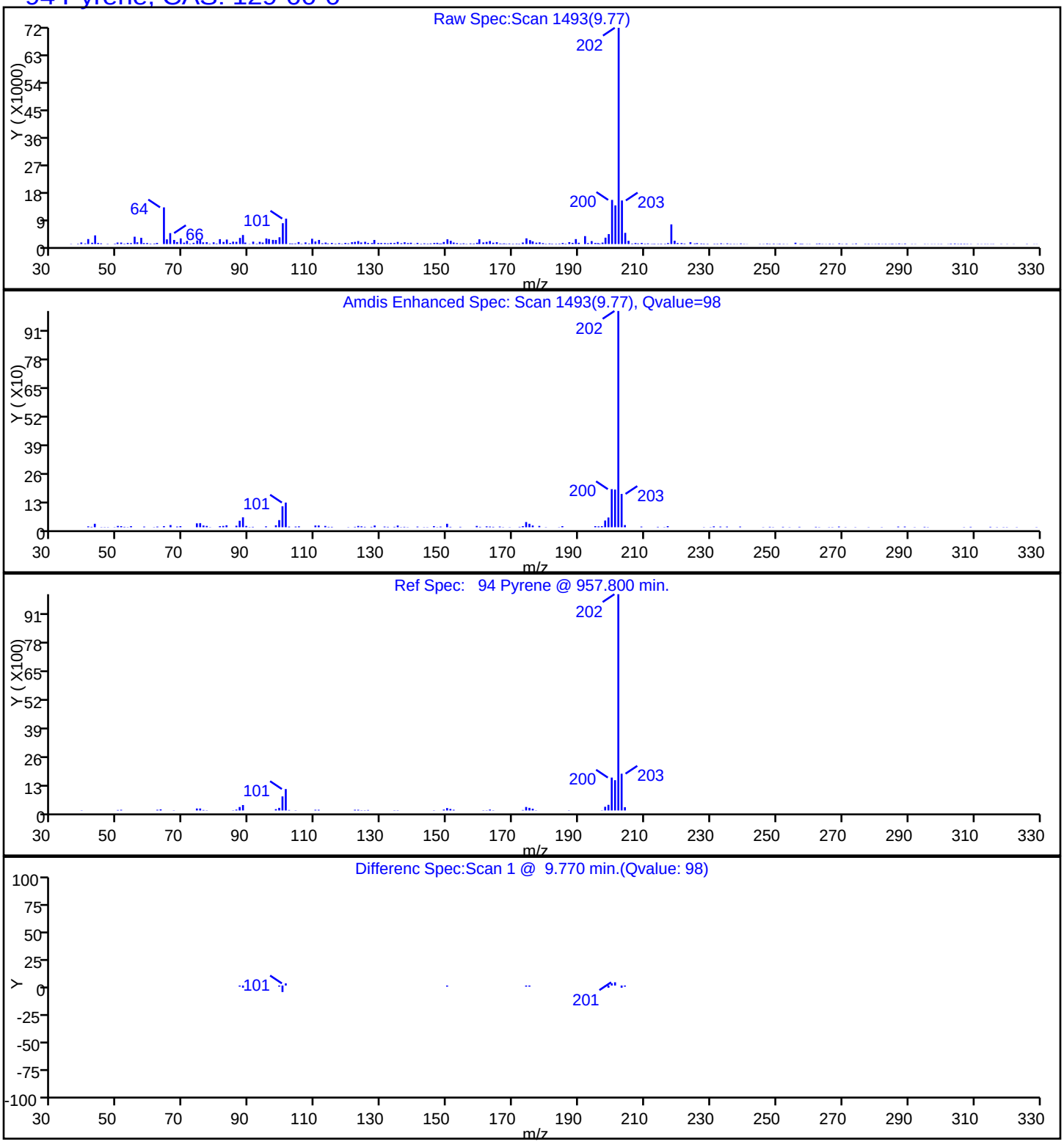
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811370.D

Injection Date:	22-Aug-2016 12:28:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118857-F-5-B	Lab Sample ID:	460-118857-5		
Client ID:	SB-8 (2-4) 08182016				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (13-15) 08182016 | Lab Sample ID: 460-118857-6

Matrix: Solid | Lab File ID: L1357806.D

Analysis Method: 8270D | Date Collected: 08/18/2016 10:50

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0357(g) | Date Analyzed: 08/23/2016 11:11

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	37	U	37	8.2
95-50-1	1,2-Dichlorobenzene	370	U	370	12
541-73-1	1,3-Dichlorobenzene	370	U	370	29
106-46-7	1,4-Dichlorobenzene	370	U	370	29
108-60-1	2,2'-oxybis[1-chloropropane]	370	U	370	15
121-14-2	2,4-Dinitrotoluene	75	U	75	15
606-20-2	2,6-Dinitrotoluene	75	U	75	20
91-58-7	2-Chloronaphthalene	370	U	370	8.4
91-57-6	2-Methylnaphthalene	370	U	370	8.2
88-74-4	2-Nitroaniline	370	U	370	12
91-94-1	3,3'-Dichlorobenzidine	150	U	150	42
99-09-2	3-Nitroaniline	370	U	370	11
101-55-3	4-Bromophenyl phenyl ether	370	U	370	12
106-47-8	4-Chloroaniline	370	U	370	9.6
7005-72-3	4-Chlorophenyl phenyl ether	370	U	370	11
100-01-6	4-Nitroaniline	370	U	370	14
83-32-9	Acenaphthene	370	U	370	9.0
208-96-8	Acenaphthylene	370	U	370	9.6
120-12-7	Anthracene	370	U	370	35
56-55-3	Benzo[a]anthracene	37	U	37	31
50-32-8	Benzo[a]pyrene	18	J	37	11
205-99-2	Benzo[b]fluoranthene	31	J	37	15
191-24-2	Benzo[g,h,i]perylene	370	U	370	21
207-08-9	Benzo[k]fluoranthene	37	U	37	16
111-91-1	Bis(2-chloroethoxy)methane	370	U	370	12
111-44-4	Bis(2-chloroethyl)ether	37	U	37	8.8
117-81-7	Bis(2-ethylhexyl) phthalate	37	J	370	15
85-68-7	Butyl benzyl phthalate	370	U	370	11
86-74-8	Carbazole	370	U	370	9.2
218-01-9	Chrysene	24	J	370	10
53-70-3	Dibenz(a,h)anthracene	37	U	37	19
132-64-9	Dibenzofuran	370	U	370	11
84-66-2	Diethyl phthalate	370	U	370	11
131-11-3	Dimethyl phthalate	370	U	370	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (13-15) 08182016 | Lab Sample ID: 460-118857-6

Matrix: Solid | Lab File ID: L1357806.D

Analysis Method: 8270D | Date Collected: 08/18/2016 10:50

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0357(g) | Date Analyzed: 08/23/2016 11:11

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	37	J	370	11
117-84-0	Di-n-octyl phthalate	370	U	370	19
206-44-0	Fluoranthene	30	J	370	11
86-73-7	Fluorene	370	U	370	8.1
118-74-1	Hexachlorobenzene	37	U	37	15
87-68-3	Hexachlorobutadiene	75	U	75	10
77-47-4	Hexachlorocyclopentadiene	370	U	370	23
67-72-1	Hexachloroethane	37	U	37	14
193-39-5	Indeno[1,2,3-cd]pyrene	37	U	37	25
78-59-1	Isophorone	150	U	150	8.0
91-20-3	Naphthalene	370	U	370	9.5
98-95-3	Nitrobenzene	37	U	37	12
621-64-7	N-Nitrosodi-n-propylamine	37	U	37	12
86-30-6	N-Nitrosodiphenylamine	370	U	370	34
85-01-8	Phenanthrene	22	J	370	9.9
129-00-0	Pyrene	34	J	370	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	78		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	69		37-94
1718-51-0	Terphenyl-d14 (Surr)	79		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D
Lims ID: 460-118857-E-6-A
Client ID: SB-8 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 11:11:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-010
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: nimerd Date: 23-Aug-2016 11:35:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	95	907175	40.0	
$ 26 Nitrobenzene-d5	82	4.781	4.792	-0.011	88	862294	34.4	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2864259	40.0	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	96	1921412	39.1	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1359524	40.0	
* 85 Phenanthrene-d10	188	8.722	8.728	-0.006	98	1711889	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	94	14371	0.2989	
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	99	25008	0.4923	
90 Fluoranthene	202	9.916	9.916	0.000	97	19665	0.4043	
92 Pyrene	202	10.139	10.139	0.000	95	17437	0.4553	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1134902	39.7	
99 Benzo[a]anthracene	228	11.451	11.457	-0.006	46	10868	0.3384	
* 100 Chrysene-d12	240	11.463	11.469	-0.006	99	1070472	40.0	
101 Chrysene	228	11.492	11.498	-0.006	97	9836	0.3251	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	82	11715	0.4958	
104 Benzo[b]fluoranthene	252	12.845	12.851	-0.006	90	10858	0.4104	
105 Benzo[k]fluoranthene	252	12.874	12.886	-0.012	1	3884	0.1400	
106 Benzo[a]pyrene	252	13.280	13.292	-0.012	82	6072	0.2422	
* 107 Perylene-d12	264	13.363	13.368	-0.005	99	918587	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.798	14.809	-0.011	58	3571	0.1306	

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

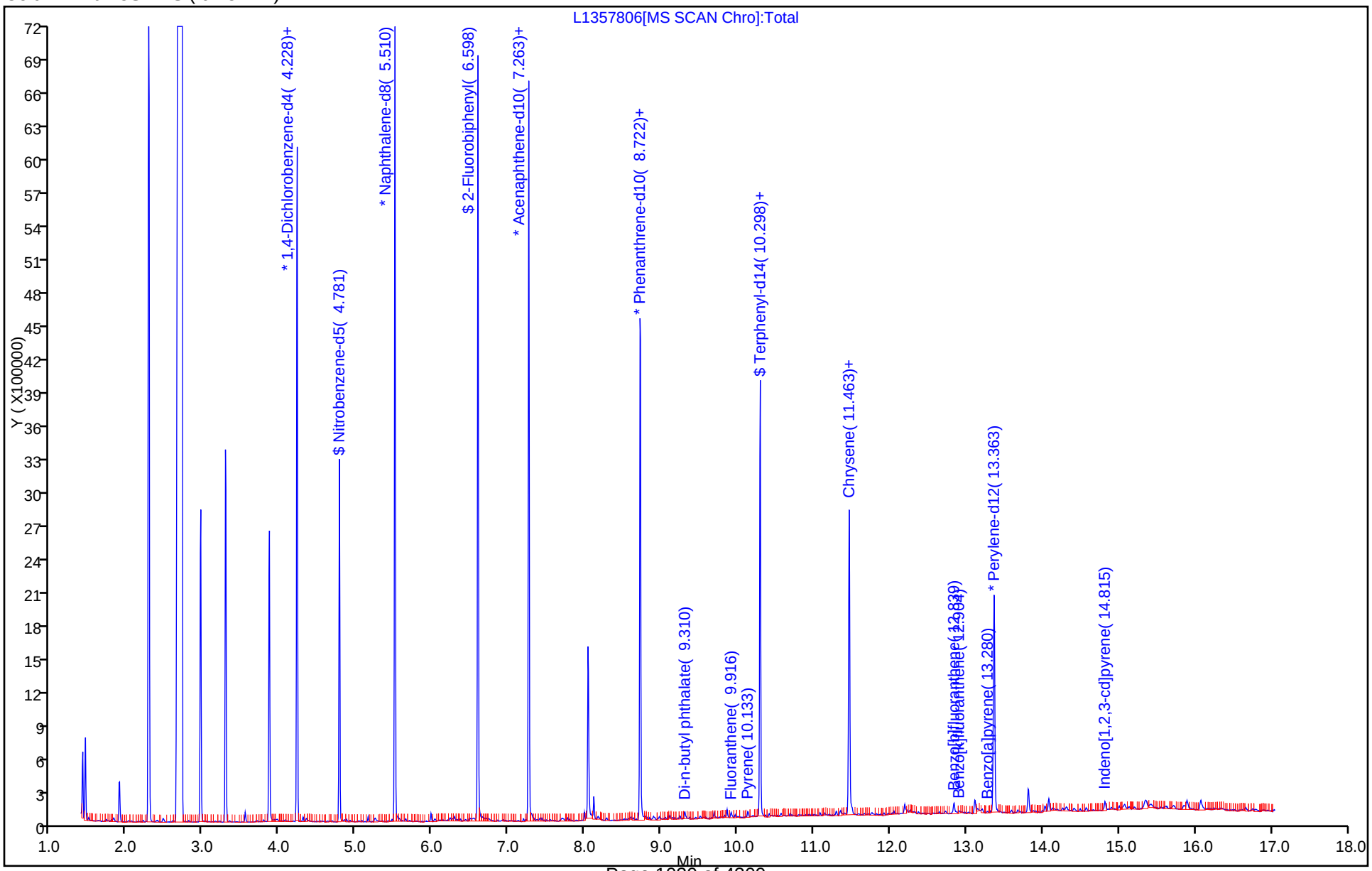
Report Date: 23-Aug-2016 17:00:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D

Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6	Worklist Smp#:	10
Client ID:	SB-8 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



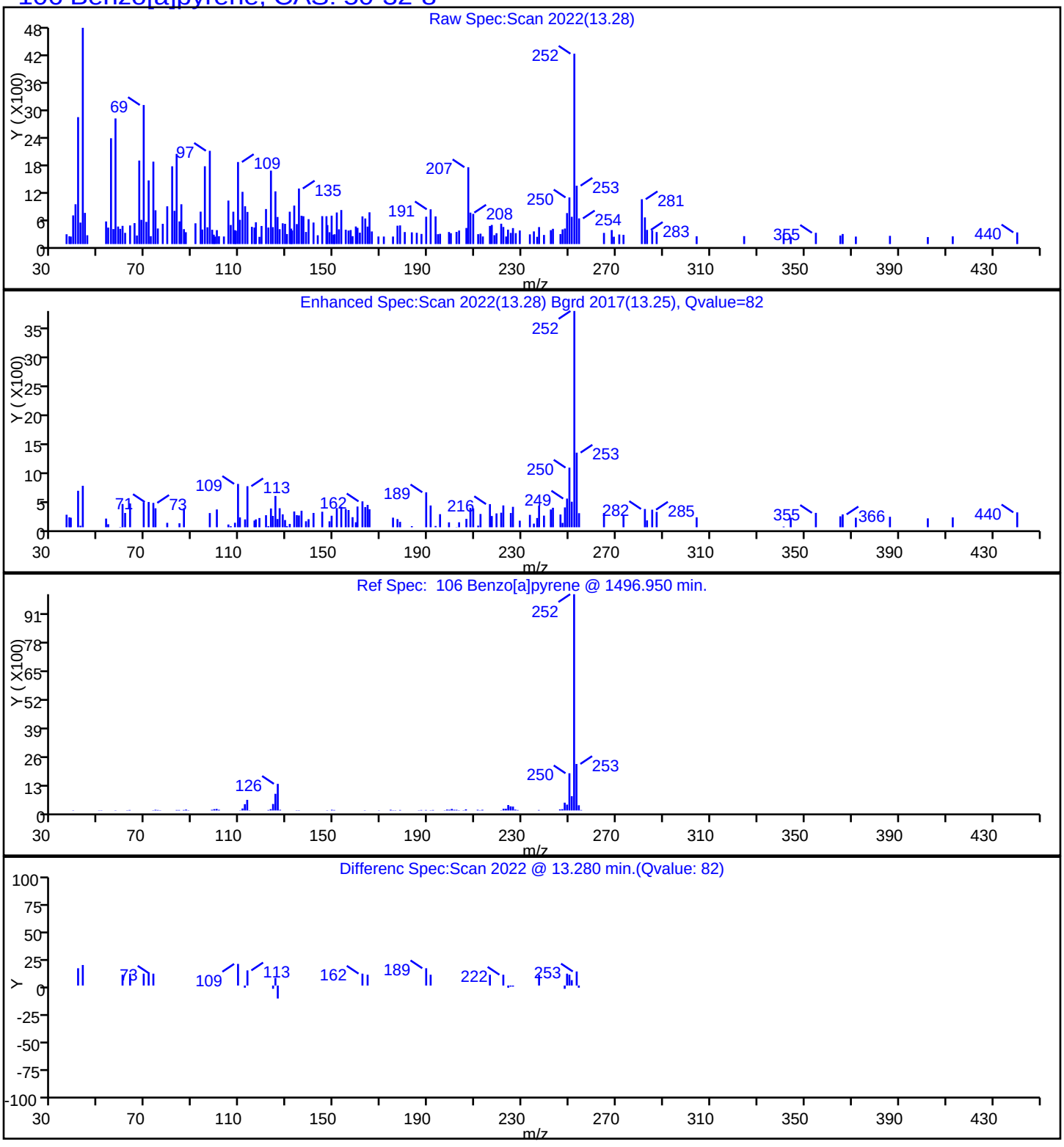
Report Date: 23-Aug-2016 17:00:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D

Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6		
Client ID:	SB-8 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



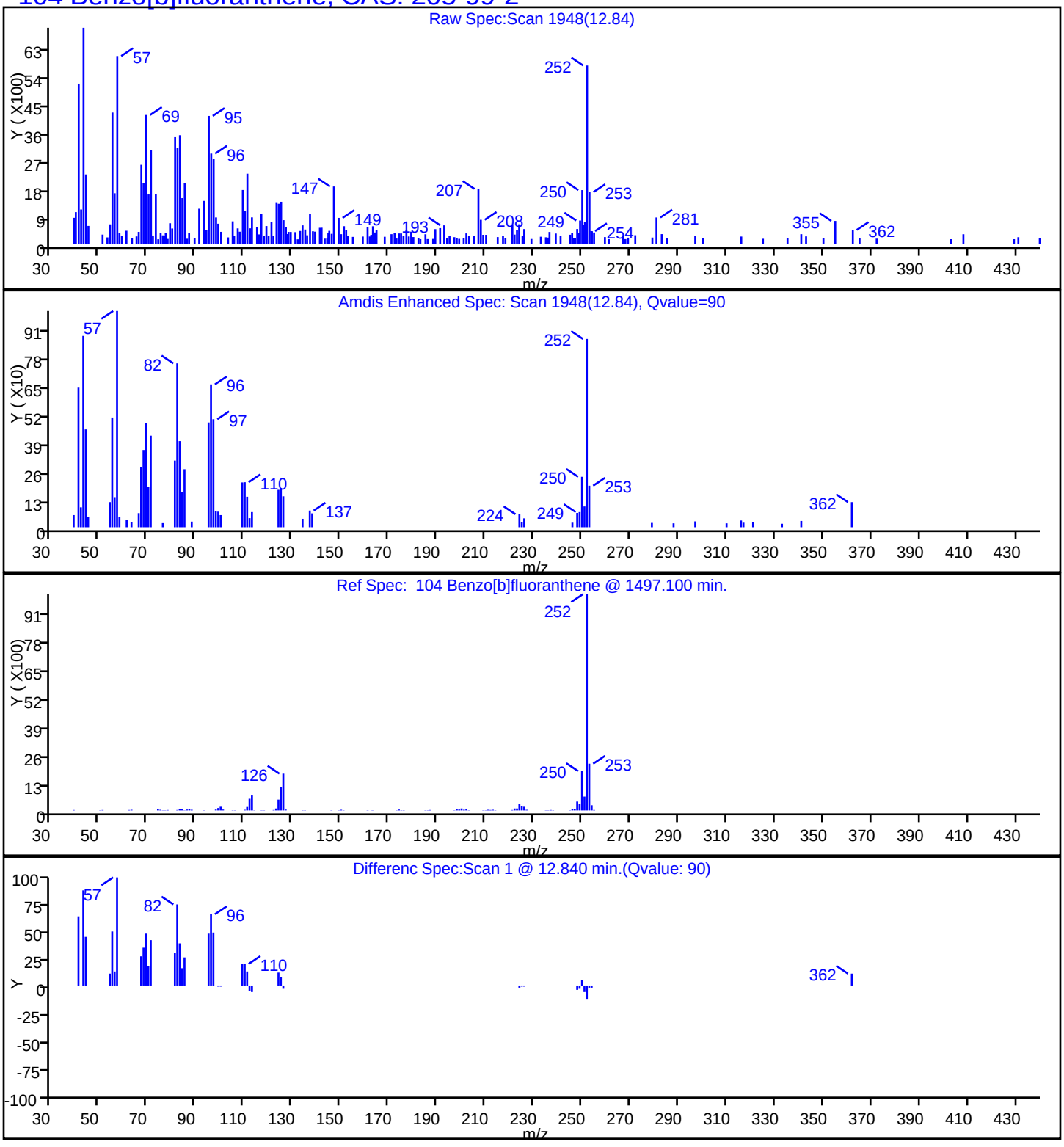
Report Date: 23-Aug-2016 17:00:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D

Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6		
Client ID:	SB-8 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

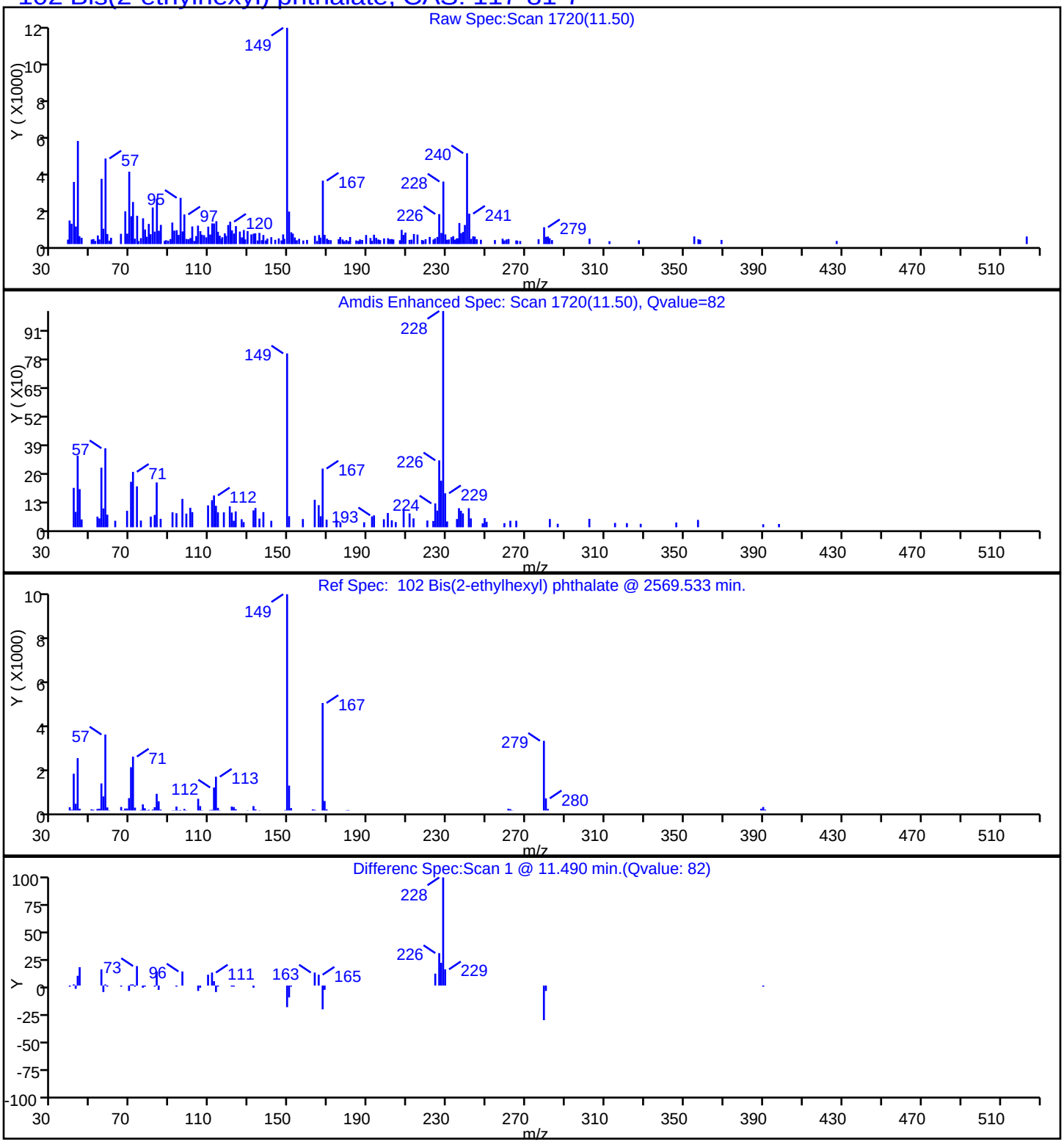


Report Date: 23-Aug-2016 17:00:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D				
Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6		
Client ID:	SB-8 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

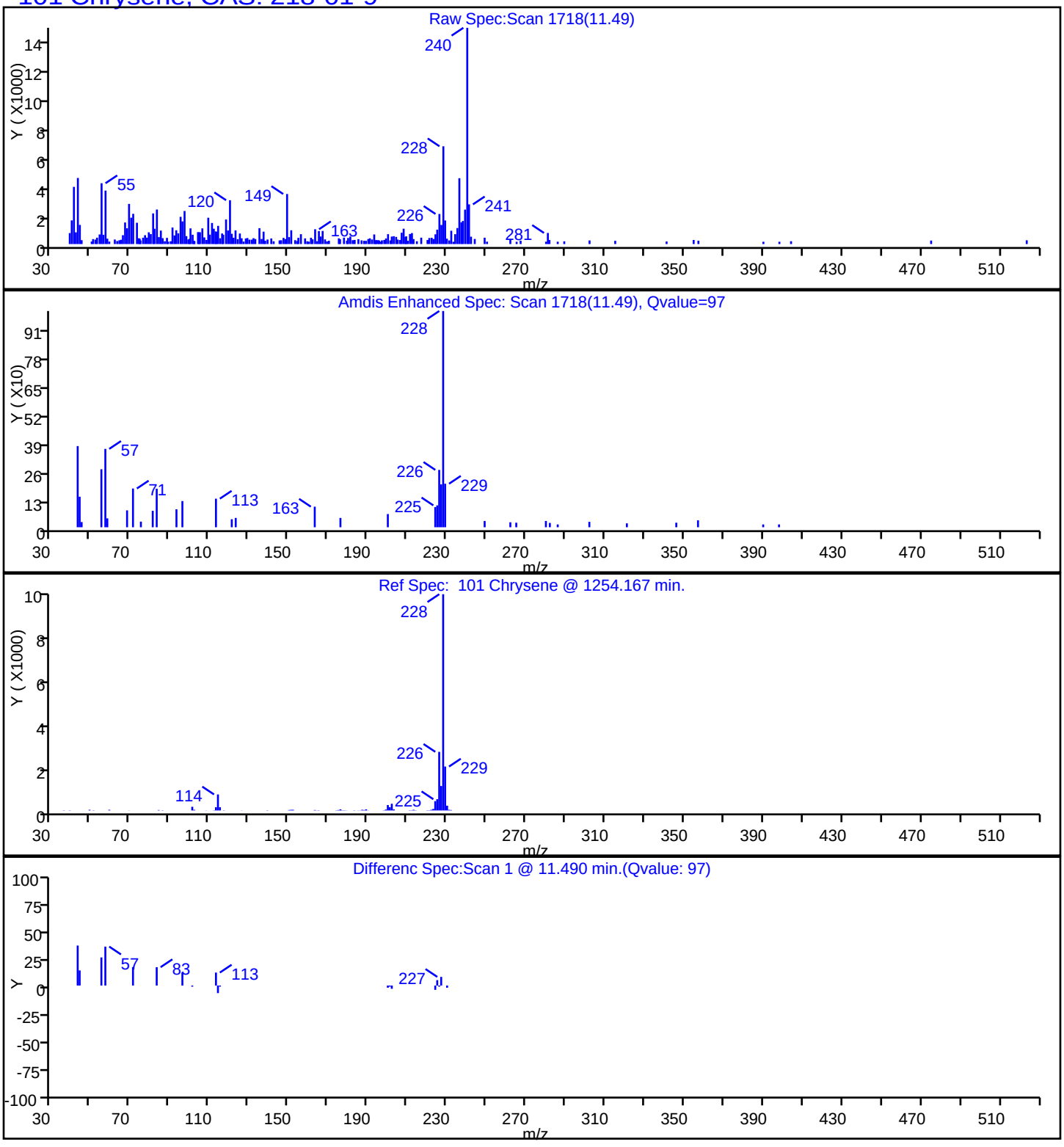
102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D				
Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6		
Client ID:	SB-8 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9

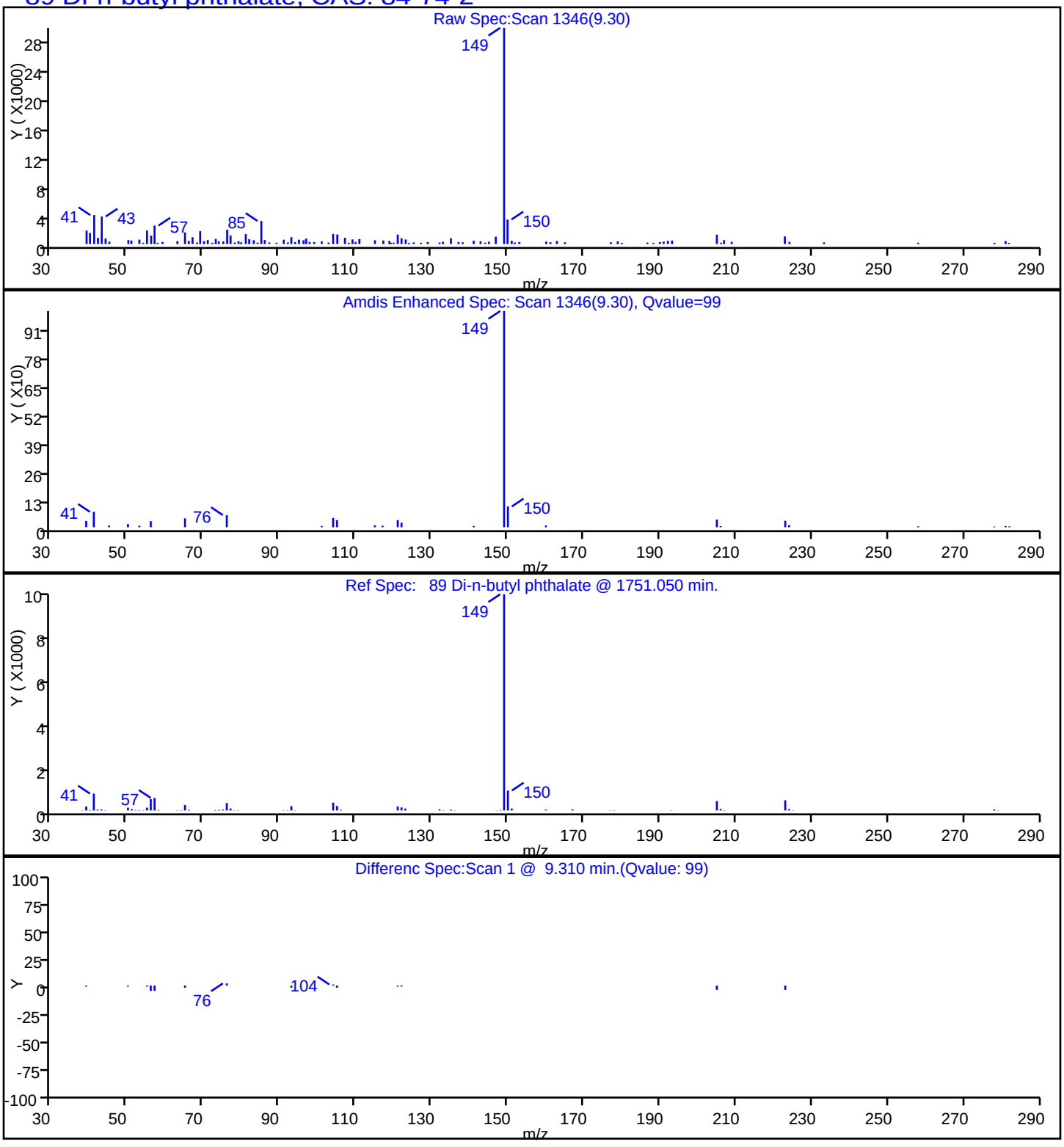


Report Date: 23-Aug-2016 17:00:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D				
Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6		
Client ID:	SB-8 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



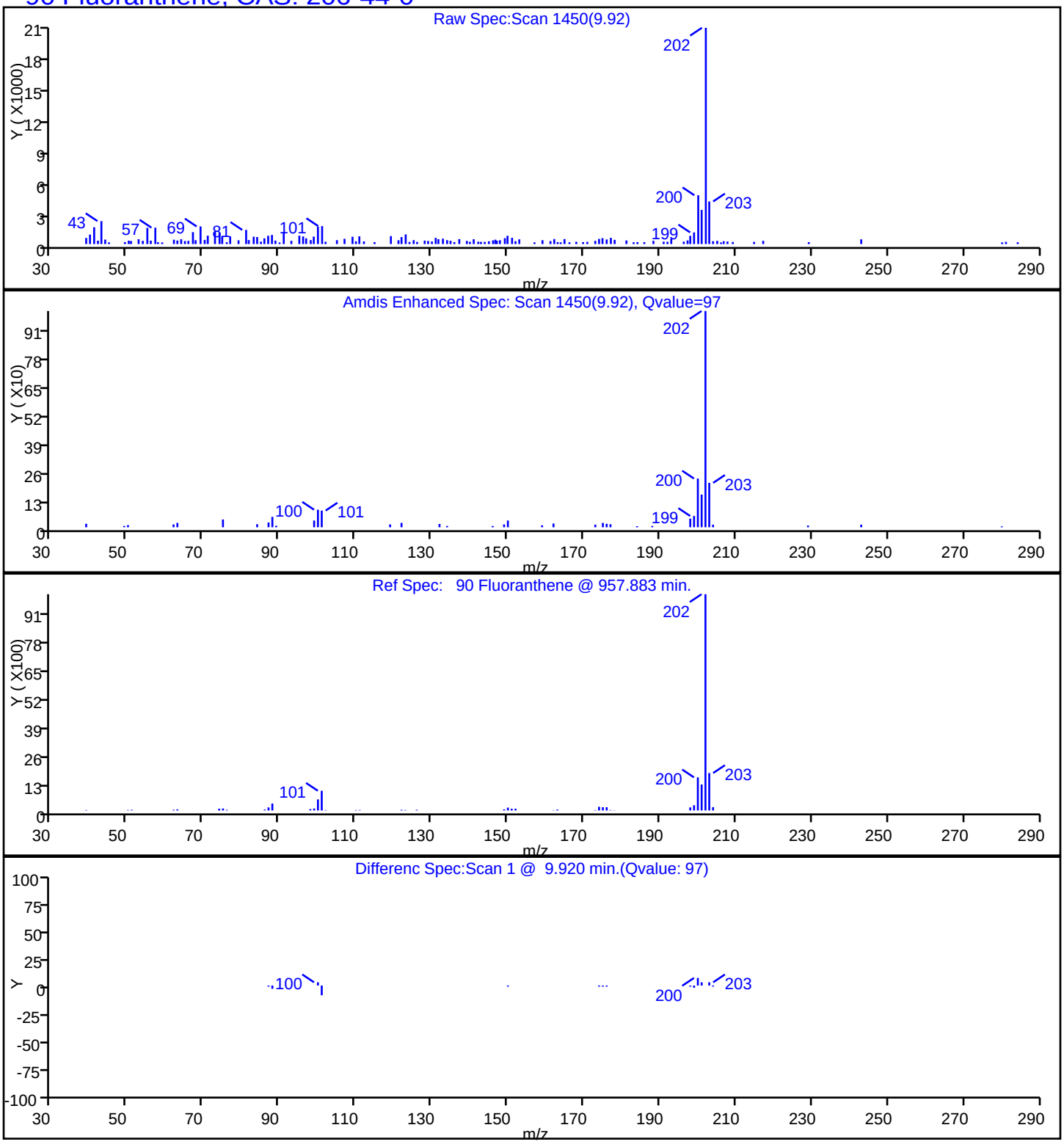
Report Date: 23-Aug-2016 17:00:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D

Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6		
Client ID:	SB-8 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



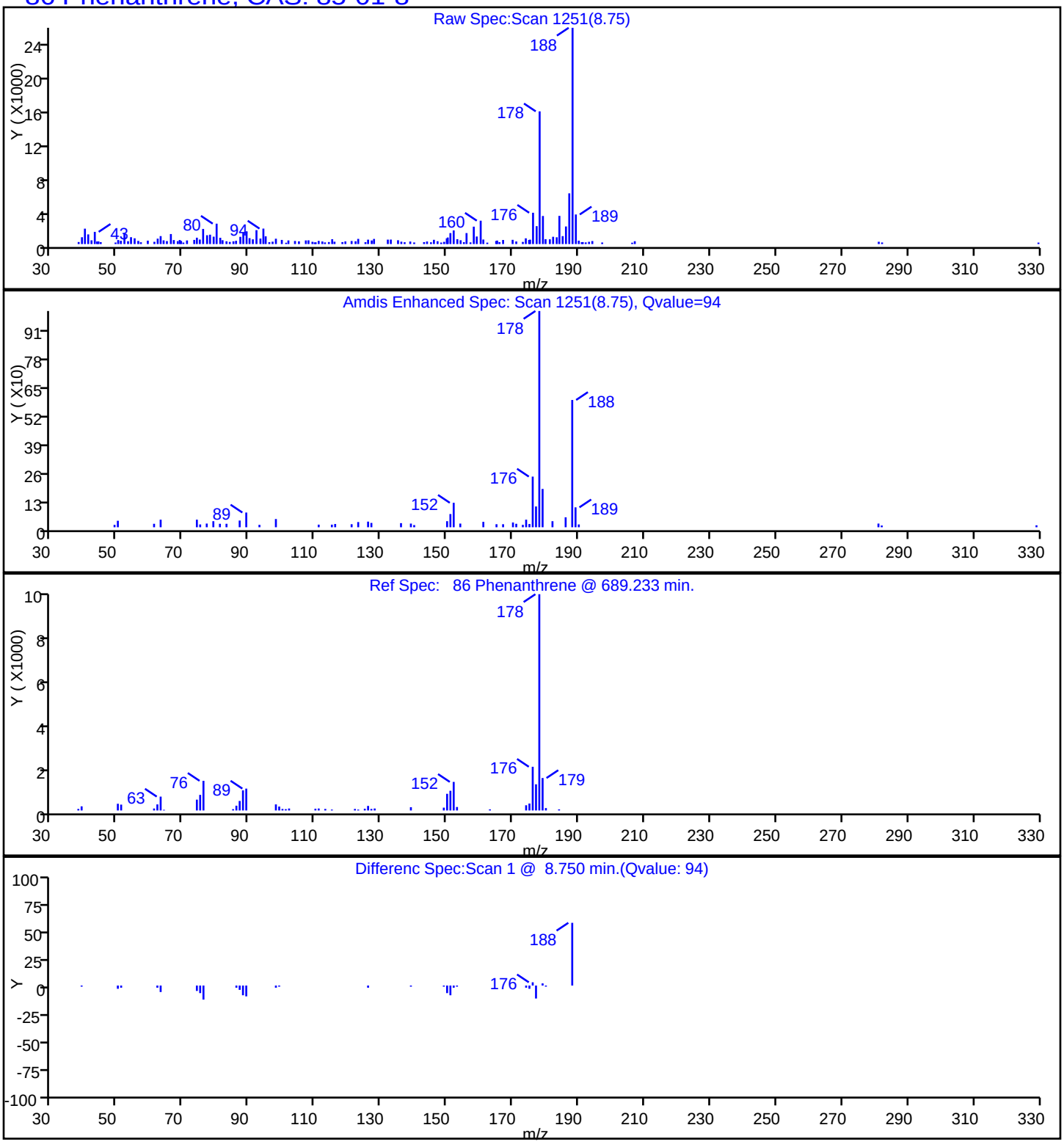
Report Date: 23-Aug-2016 17:00:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D

Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6		
Client ID:	SB-8 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



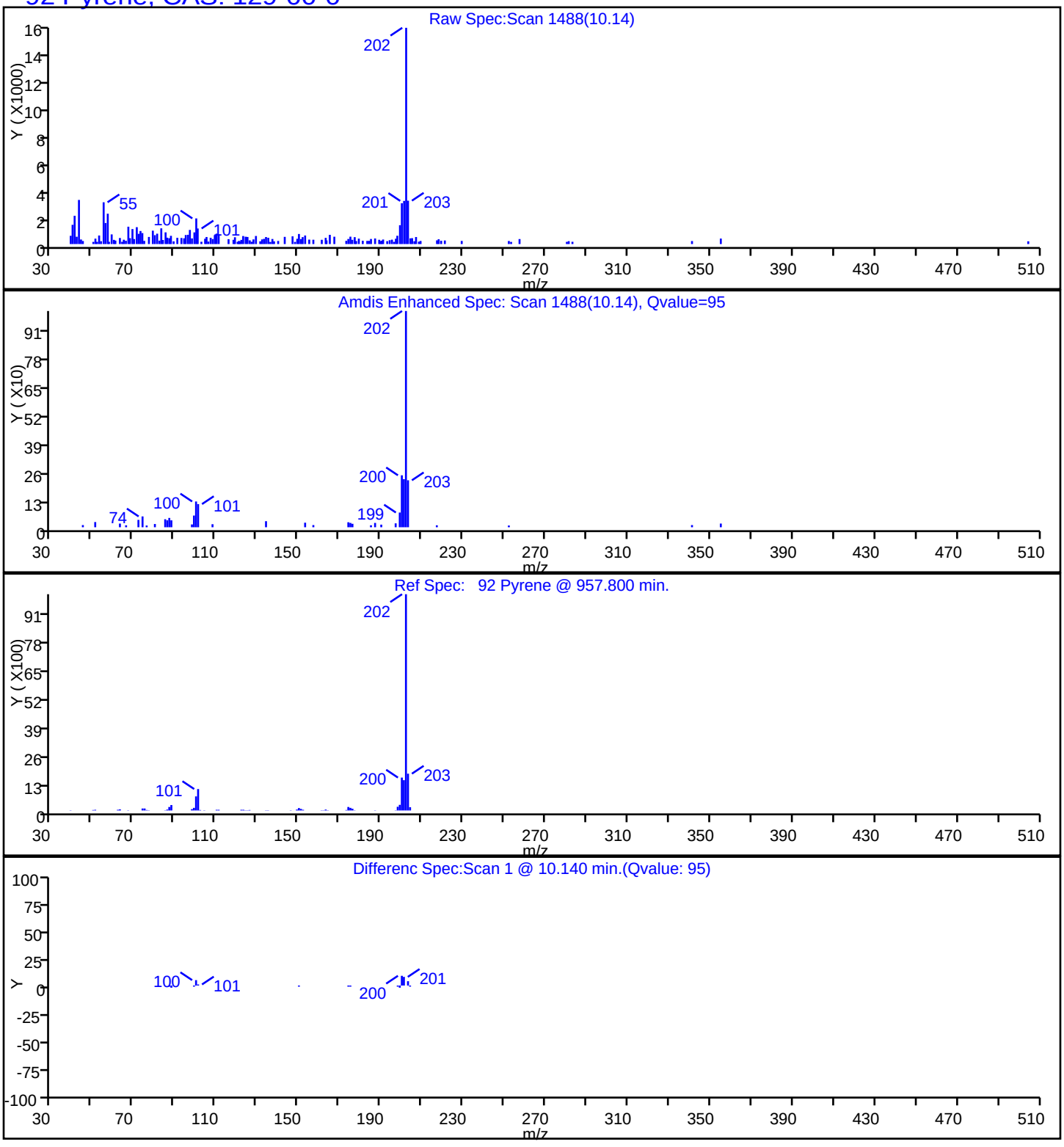
Report Date: 23-Aug-2016 17:00:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357806.D

Injection Date:	23-Aug-2016 11:11:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-6-A	Lab Sample ID:	460-118857-6		
Client ID:	SB-8 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (3-5) 08182016 | Lab Sample ID: 460-118857-7

Matrix: Solid | Lab File ID: L1357807.D

Analysis Method: 8270D | Date Collected: 08/18/2016 11:38

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0159(g) | Date Analyzed: 08/23/2016 11:35

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	36	U	36	7.9
95-50-1	1,2-Dichlorobenzene	360	U	360	12
541-73-1	1,3-Dichlorobenzene	360	U	360	28
106-46-7	1,4-Dichlorobenzene	360	U	360	28
108-60-1	2,2'-oxybis[1-chloropropane]	360	U	360	15
121-14-2	2,4-Dinitrotoluene	72	U	72	14
606-20-2	2,6-Dinitrotoluene	72	U	72	19
91-58-7	2-Chloronaphthalene	360	U	360	8.1
91-57-6	2-Methylnaphthalene	360	U	360	7.9
88-74-4	2-Nitroaniline	360	U	360	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	40
99-09-2	3-Nitroaniline	360	U	360	11
101-55-3	4-Bromophenyl phenyl ether	360	U	360	11
106-47-8	4-Chloroaniline	360	U	360	9.2
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	11
100-01-6	4-Nitroaniline	360	U	360	13
83-32-9	Acenaphthene	360	U	360	8.6
208-96-8	Acenaphthylene	360	U	360	9.2
120-12-7	Anthracene	360	U	360	34
56-55-3	Benzo[a]anthracene	36	U	36	30
50-32-8	Benzo[a]pyrene	17	J	36	11
205-99-2	Benzo[b]fluoranthene	30	J	36	14
191-24-2	Benzo[g,h,i]perylene	360	U	360	20
207-08-9	Benzo[k]fluoranthene	36	U	36	16
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	11
111-44-4	Bis(2-chloroethyl)ether	36	U	36	8.4
117-81-7	Bis(2-ethylhexyl) phthalate	18	J	360	14
85-68-7	Butyl benzyl phthalate	360	U	360	11
86-74-8	Carbazole	360	U	360	8.8
218-01-9	Chrysene	26	J	360	9.7
53-70-3	Dibenz(a,h)anthracene	36	U	36	19
132-64-9	Dibenzofuran	360	U	360	11
84-66-2	Diethyl phthalate	360	U	360	10
131-11-3	Dimethyl phthalate	360	U	360	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (3-5) 08182016 | Lab Sample ID: 460-118857-7

Matrix: Solid | Lab File ID: L1357807.D

Analysis Method: 8270D | Date Collected: 08/18/2016 11:38

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0159(g) | Date Analyzed: 08/23/2016 11:35

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	27	J	360	11
117-84-0	Di-n-octyl phthalate	360	U	360	18
206-44-0	Fluoranthene	36	J	360	11
86-73-7	Fluorene	360	U	360	7.8
118-74-1	Hexachlorobenzene	36	U	36	14
87-68-3	Hexachlorobutadiene	72	U	72	10
77-47-4	Hexachlorocyclopentadiene	360	U	360	22
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	36	U	36	24
78-59-1	Isophorone	140	U	140	7.6
91-20-3	Naphthalene	360	U	360	9.0
98-95-3	Nitrobenzene	36	U	36	11
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	12
86-30-6	N-Nitrosodiphenylamine	360	U	360	32
85-01-8	Phenanthrene	27	J	360	9.5
129-00-0	Pyrene	43	J	360	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	87		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	80		37-94
1718-51-0	Terphenyl-d14 (Surr)	98		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D
Lims ID: 460-118857-F-7-A
Client ID: SB-4 (3-5) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 11:35:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-011
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: nimerd Date: 23-Aug-2016 12:03:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.234	4.228	0.006	95	852791	40.0	
$ 26 Nitrobenzene-d5	82	4.787	4.792	-0.005	88	985636	40.1	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2807253	40.0	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	96	2304461	43.4	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1467669	40.0	
* 85 Phenanthrene-d10	188	8.727	8.728	-0.001	98	1993143	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	95	21373	0.3818	
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	99	21939	0.3709	
90 Fluoranthene	202	9.916	9.916	0.000	98	28090	0.4960	
92 Pyrene	202	10.139	10.139	0.000	96	25681	0.5940	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1572630	48.8	
99 Benzo[a]anthracene	228	11.457	11.457	0.000	65	14362	0.3960	
* 100 Chrysene-d12	240	11.468	11.469	-0.001	99	1208636	40.0	
101 Chrysene	228	11.492	11.498	-0.006	62	12414	0.3634	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	41	6687	0.2507	
104 Benzo[b]fluoranthene	252	12.845	12.851	-0.006	95	12128	0.4230	
105 Benzo[k]fluoranthene	252	12.880	12.886	-0.006	1	5063	0.1684	
106 Benzo[a]pyrene	252	13.280	13.292	-0.012	95	6478	0.2384	
* 107 Perylene-d12	264	13.362	13.368	-0.006	98	995482	40.0	

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

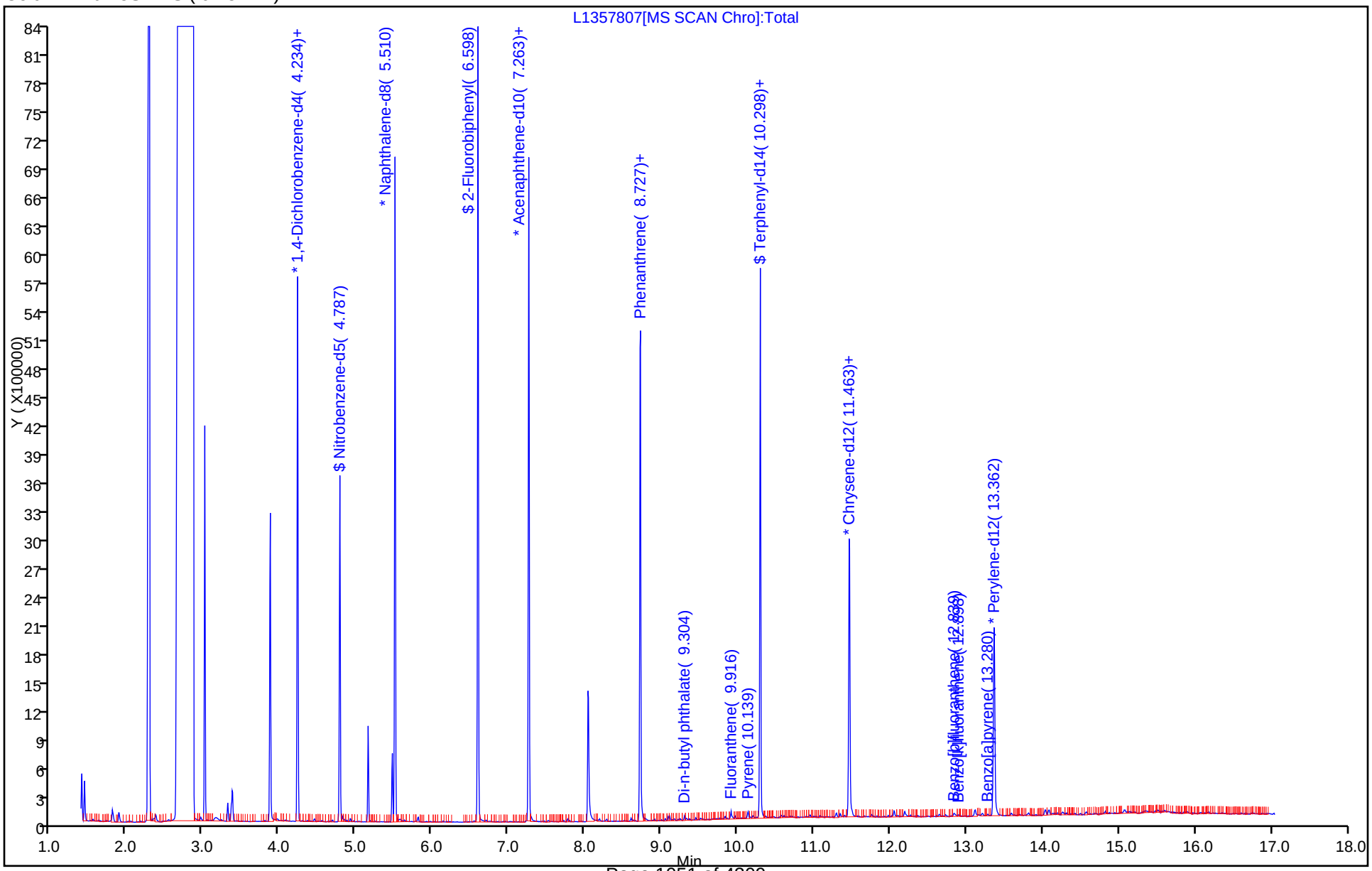
Report Date: 23-Aug-2016 17:01:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D

Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7	Worklist Smp#:	11
Client ID:	SB-4 (3-5) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

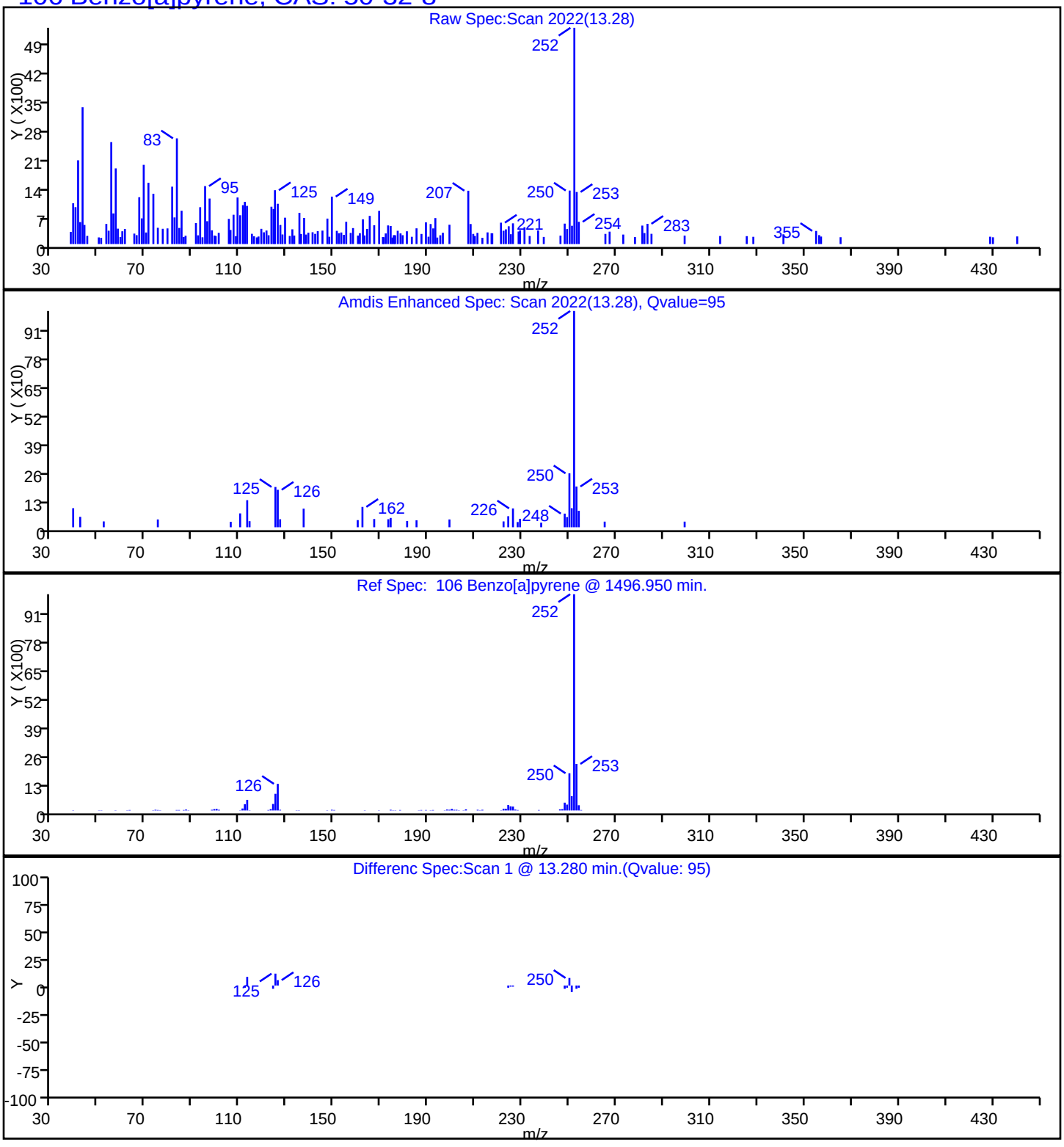


Report Date: 23-Aug-2016 17:01:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D				
Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



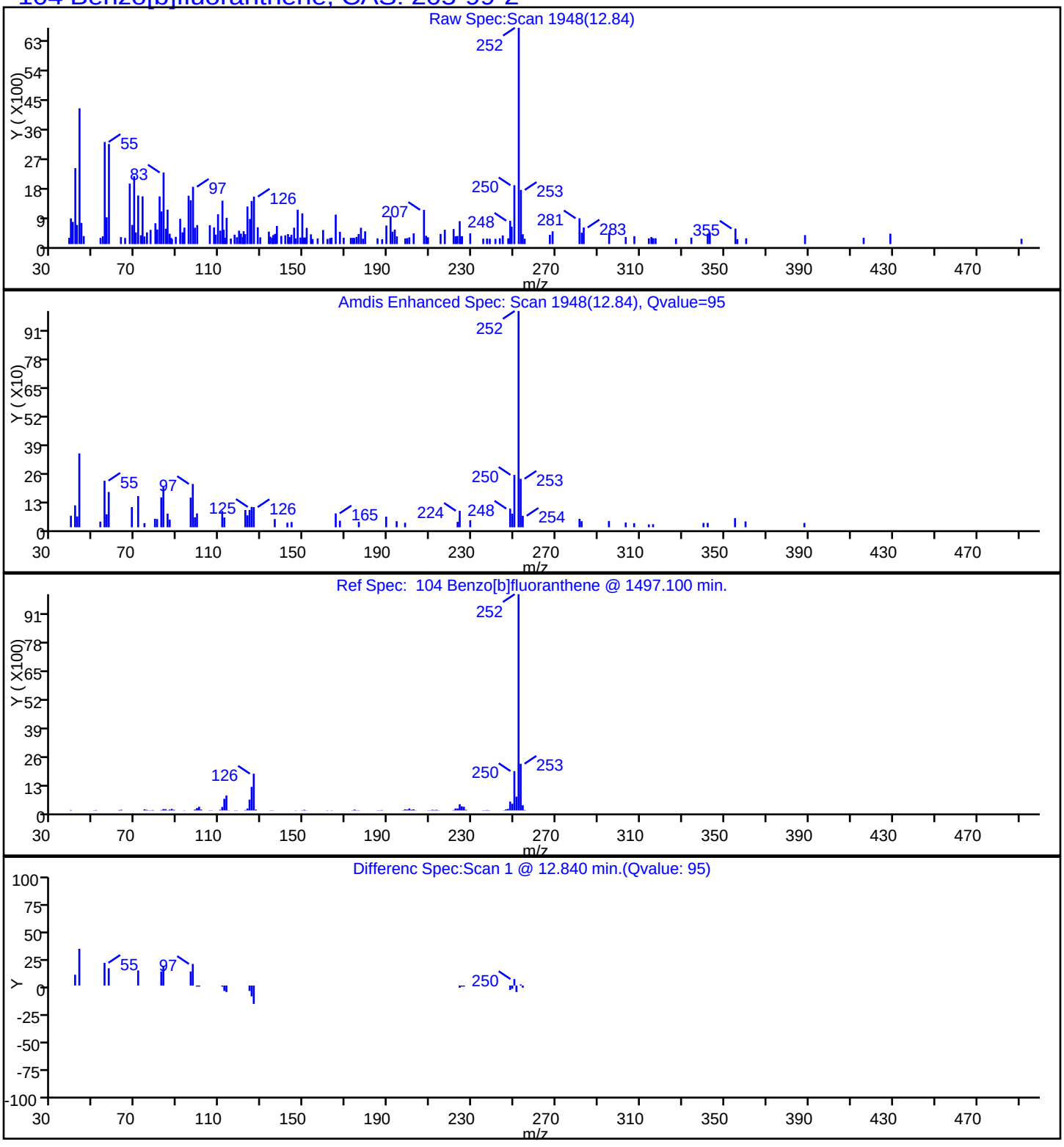
Report Date: 23-Aug-2016 17:01:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D

Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



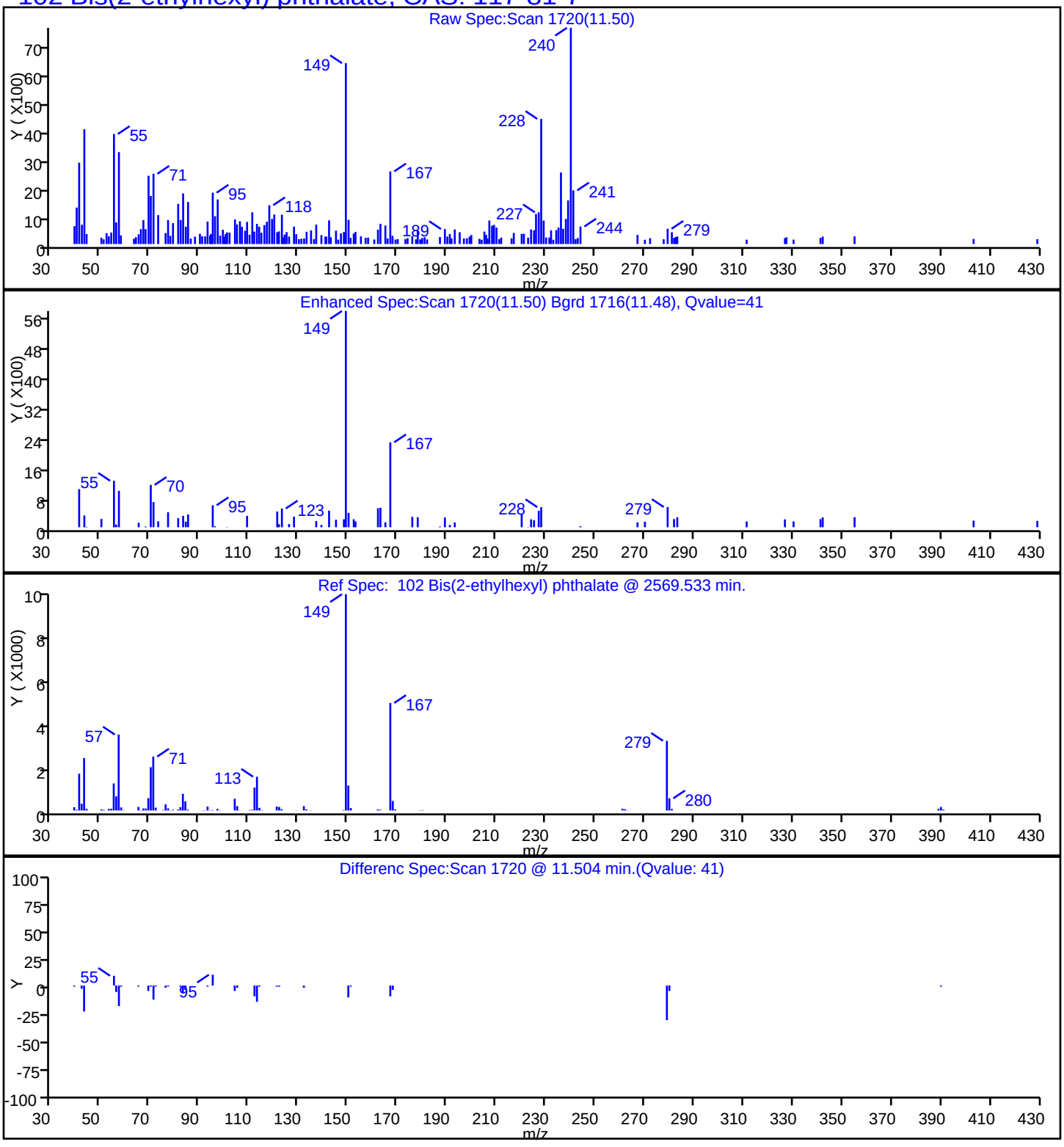
Report Date: 23-Aug-2016 17:01:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D

Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



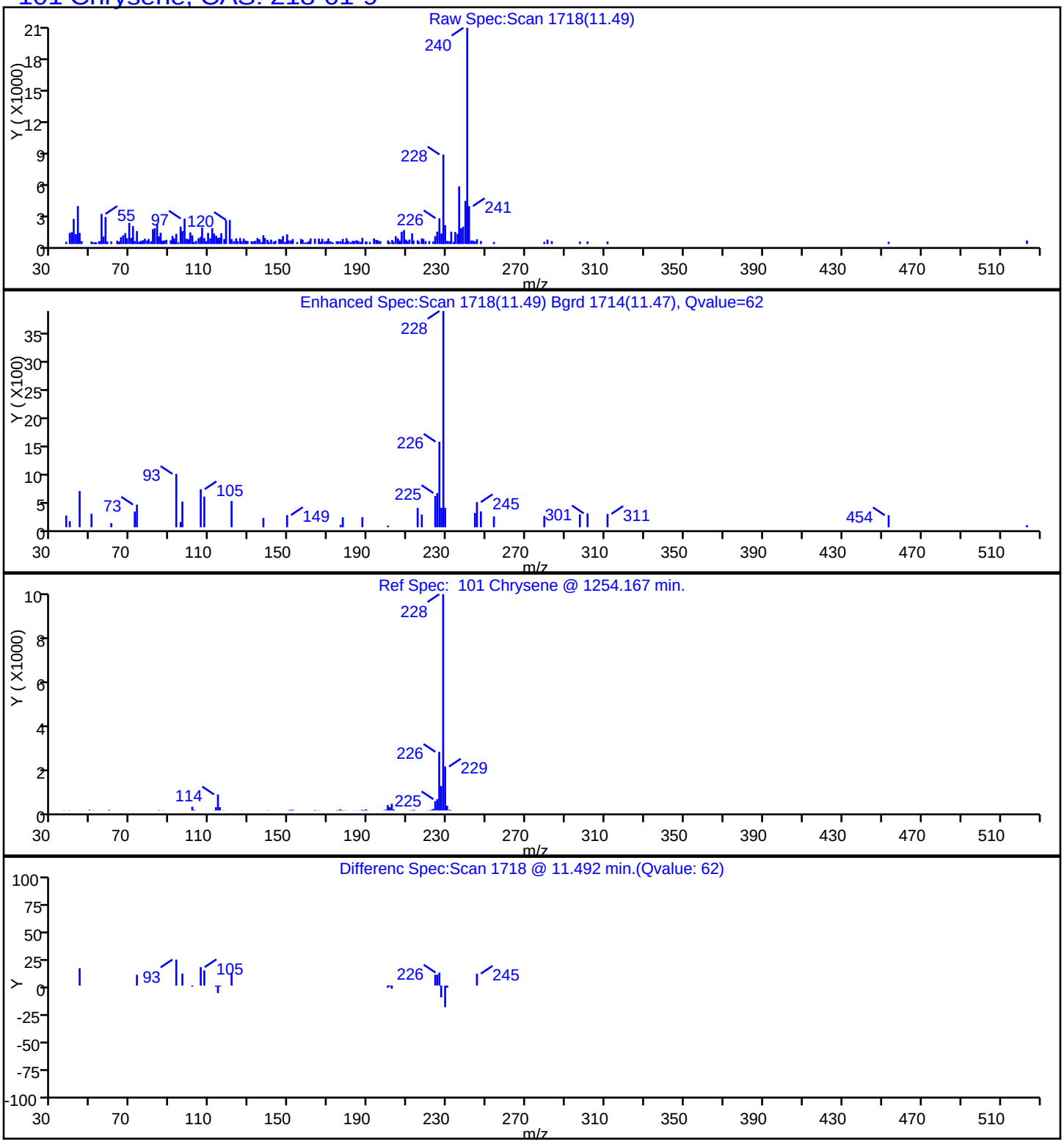
Report Date: 23-Aug-2016 17:01:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D

Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



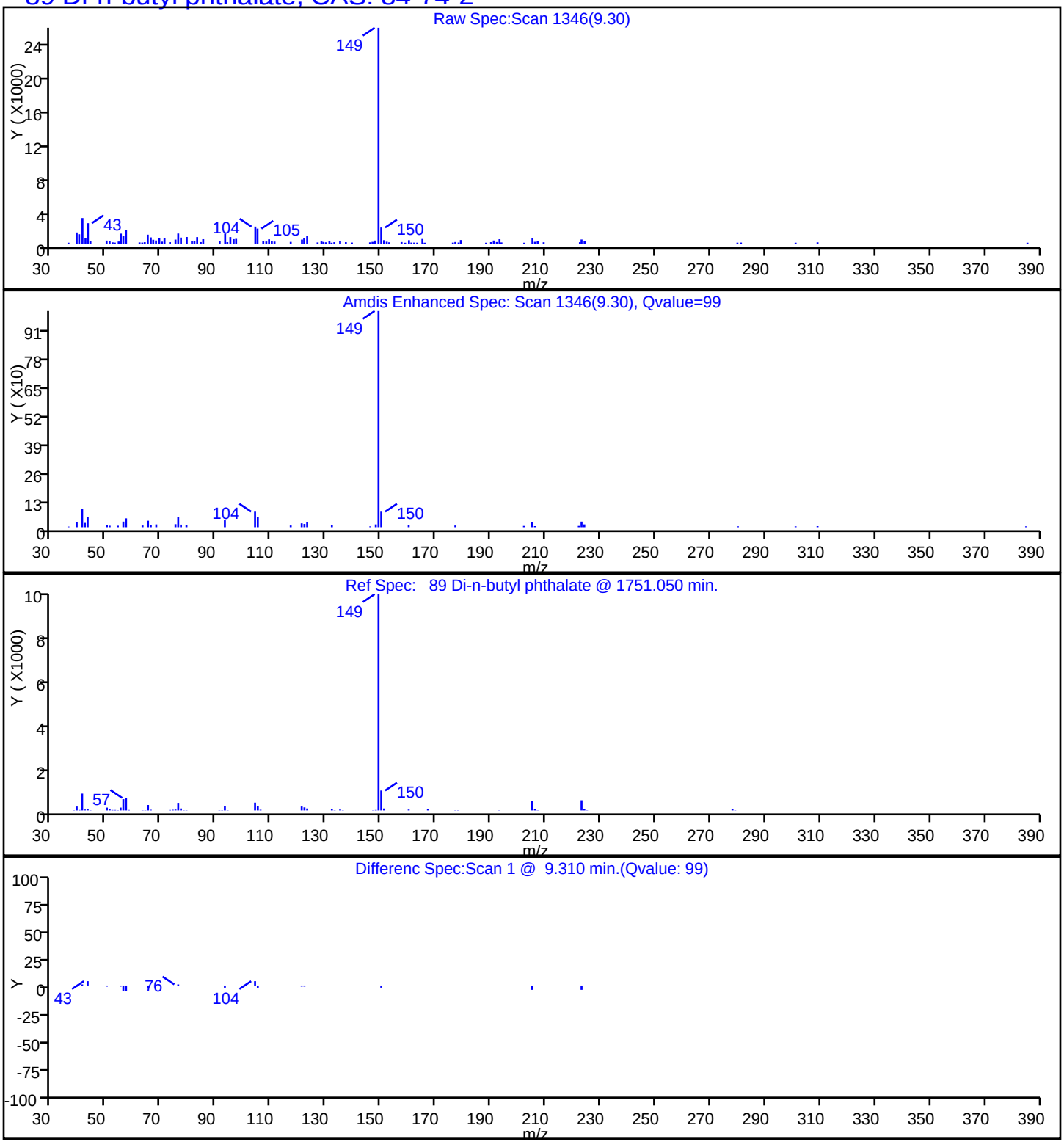
Report Date: 23-Aug-2016 17:01:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D

Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



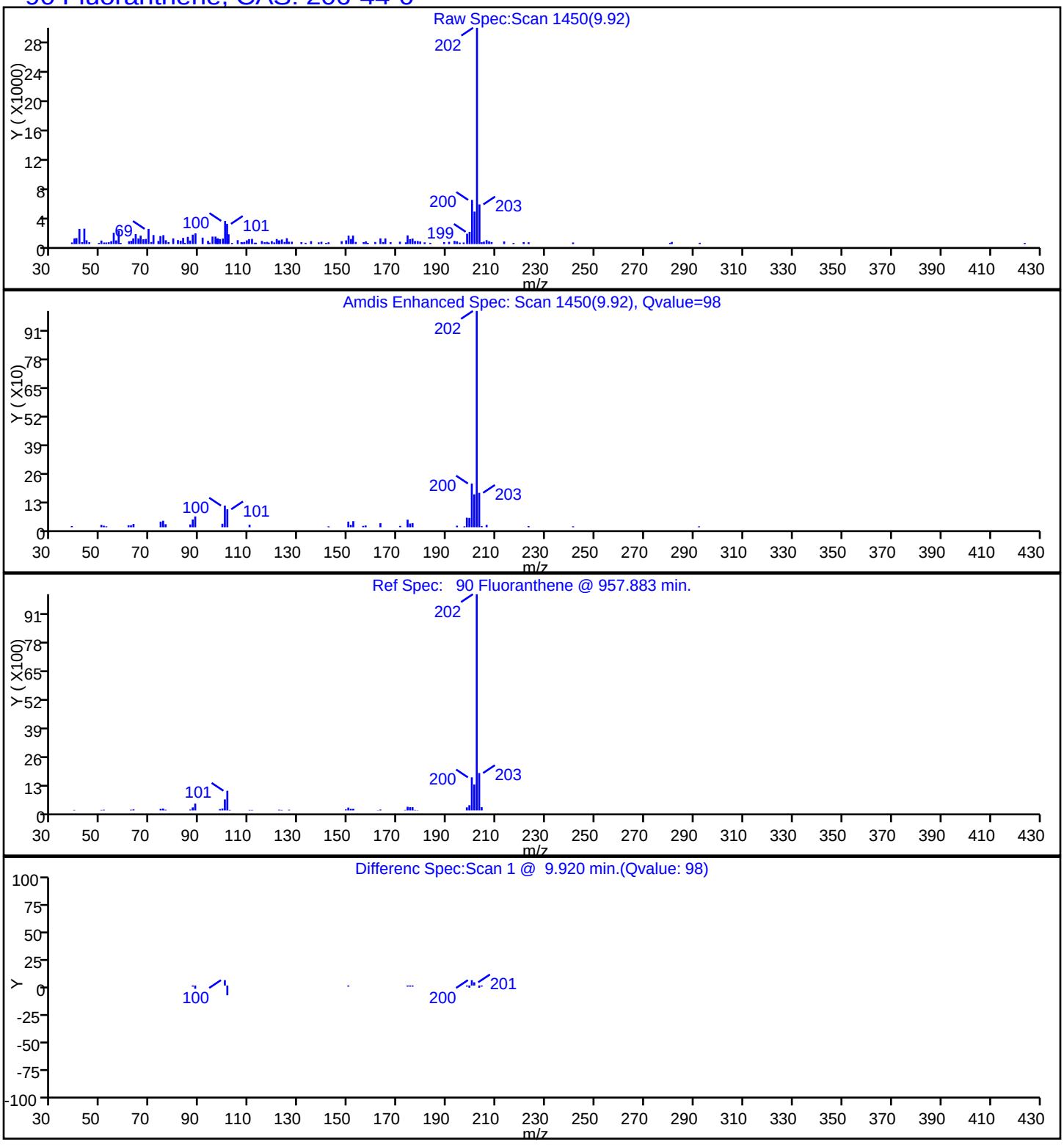
Report Date: 23-Aug-2016 17:01:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D

Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



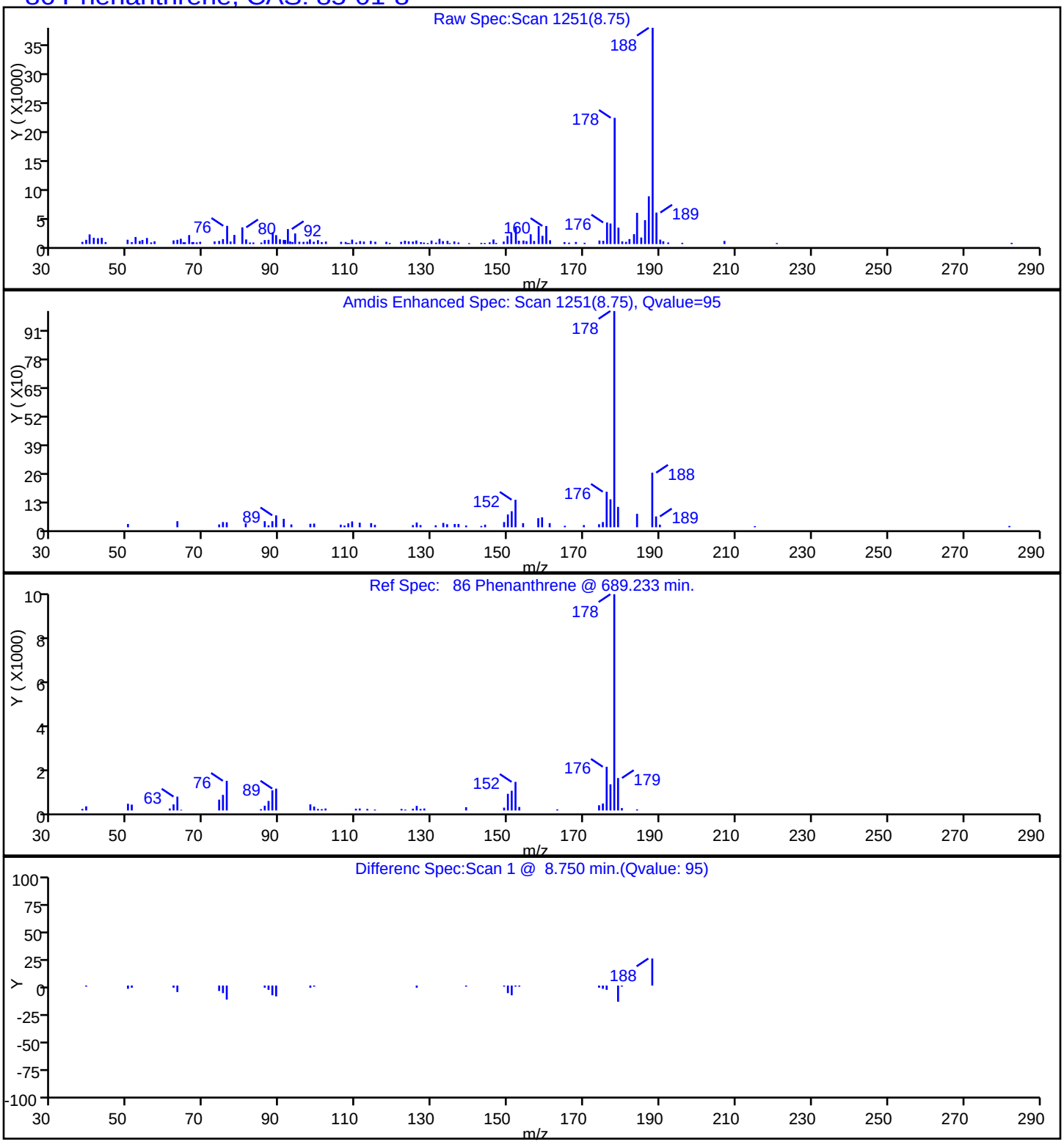
Report Date: 23-Aug-2016 17:01:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D

Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



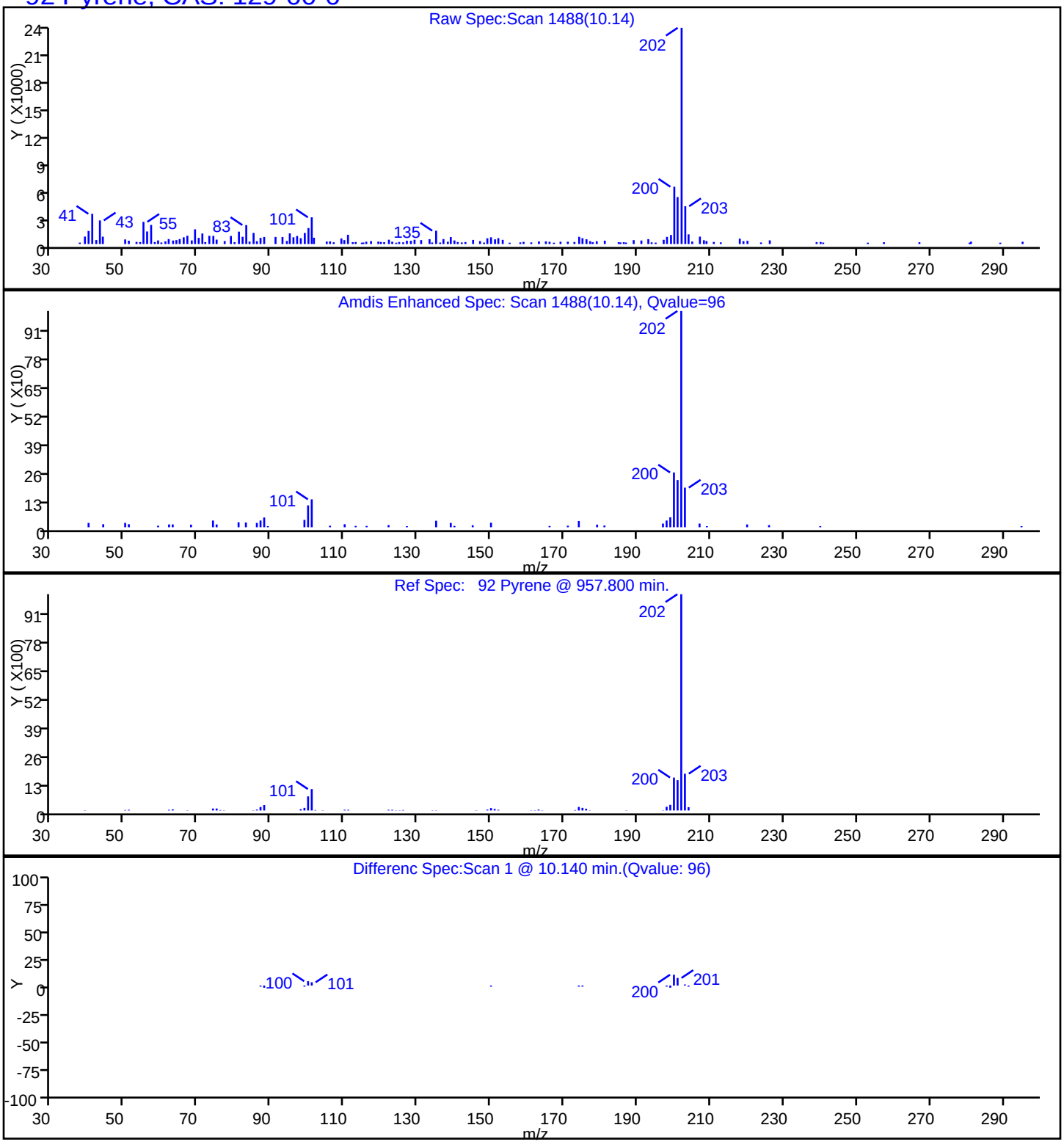
Report Date: 23-Aug-2016 17:01:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357807.D

Injection Date:	23-Aug-2016 11:35:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-7-A	Lab Sample ID:	460-118857-7		
Client ID:	SB-4 (3-5) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (11-13) 08182016 | Lab Sample ID: 460-118857-8

Matrix: Solid | Lab File ID: L1357822.D

Analysis Method: 8270D | Date Collected: 08/18/2016 11:52

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0355(g) | Date Analyzed: 08/23/2016 17:43

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	12	J	41	9.0
95-50-1	1,2-Dichlorobenzene	24	J	410	14
541-73-1	1,3-Dichlorobenzene	410	U	410	32
106-46-7	1,4-Dichlorobenzene	410	U	410	32
108-60-1	2,2'-oxybis[1-chloropropane]	410	U	410	17
121-14-2	2,4-Dinitrotoluene	83	U	83	16
606-20-2	2,6-Dinitrotoluene	83	U	83	22
91-58-7	2-Chloronaphthalene	410	U	410	9.3
91-57-6	2-Methylnaphthalene	480		410	9.0
88-74-4	2-Nitroaniline	410	U	410	13
91-94-1	3,3'-Dichlorobenzidine	160	U	160	46
99-09-2	3-Nitroaniline	410	U	410	12
101-55-3	4-Bromophenyl phenyl ether	410	U	410	13
106-47-8	4-Chloroaniline	410	U	410	11
7005-72-3	4-Chlorophenyl phenyl ether	410	U	410	12
100-01-6	4-Nitroaniline	410	U	410	15
83-32-9	Acenaphthene	43	J	410	9.9
208-96-8	Acenaphthylene	29	J	410	11
120-12-7	Anthracene	100	J	410	39
56-55-3	Benzo[a]anthracene	360		41	34
50-32-8	Benzo[a]pyrene	310		41	12
205-99-2	Benzo[b]fluoranthene	550		41	16
191-24-2	Benzo[g,h,i]perylene	300	J	410	24
207-08-9	Benzo[k]fluoranthene	170		41	18
111-91-1	Bis(2-chloroethoxy)methane	410	U	410	13
111-44-4	Bis(2-chloroethyl)ether	41	U	41	9.7
117-81-7	Bis(2-ethylhexyl) phthalate	860		410	16
85-68-7	Butyl benzyl phthalate	410	U	410	13
86-74-8	Carbazole	63	J	410	10
218-01-9	Chrysene	550		410	11
53-70-3	Dibenz(a,h)anthracene	82		41	21
132-64-9	Dibenzofuran	120	J	410	12
84-66-2	Diethyl phthalate	410	U	410	12
131-11-3	Dimethyl phthalate	410	U	410	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (11-13) 08182016 | Lab Sample ID: 460-118857-8

Matrix: Solid | Lab File ID: L1357822.D

Analysis Method: 8270D | Date Collected: 08/18/2016 11:52

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0355(g) | Date Analyzed: 08/23/2016 17:43

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	170	J	410	12
117-84-0	Di-n-octyl phthalate	410	U	410	21
206-44-0	Fluoranthene	770		410	12
86-73-7	Fluorene	39	J	410	8.9
118-74-1	Hexachlorobenzene	41	U	41	17
87-68-3	Hexachlorobutadiene	83	U	83	12
77-47-4	Hexachlorocyclopentadiene	410	U	410	26
67-72-1	Hexachloroethane	41	U	41	15
193-39-5	Indeno[1,2,3-cd]pyrene	280		41	27
78-59-1	Isophorone	160	U	160	8.8
91-20-3	Naphthalene	300	J	410	10
98-95-3	Nitrobenzene	41	U	41	13
621-64-7	N-Nitrosodi-n-propylamine	41	U	41	14
86-30-6	N-Nitrosodiphenylamine	410	U	410	37
85-01-8	Phenanthrene	700		410	11
129-00-0	Pyrene	750		410	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	90		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	76		37-94
1718-51-0	Terphenyl-d14 (Surr)	76		24-109

Report Date: 24-Aug-2016 11:16:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D
Lims ID: 460-118857-F-8-A
Client ID: SB-4 (11-13) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:43:30 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-026
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 11:16:20 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: khlungprakhons Date: 24-Aug-2016 05:08:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	96	725513	40.0	
16 1,2-Dichlorobenzene	146	4.398	4.398	0.000	95	7287	0.2850	
$ 26 Nitrobenzene-d5	82	4.787	4.792	-0.005	88	740824	37.8	
35 1,2,4-Trichlorobenzene	180	5.457	5.463	-0.006	86	2904	0.1411	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2235999	40.0	
37 Naphthalene	128	5.534	5.534	0.000	99	196707	3.61	
42 2-Methylnaphthalene	142	6.228	6.234	-0.006	83	222126	5.85	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	97	1647071	45.1	
61 Acenaphthylene	152	7.122	7.128	-0.006	92	15199	0.3487	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1009749	40.0	
65 Acenaphthene	154	7.298	7.298	0.000	91	14995	0.5171	
69 Dibenzofuran	168	7.469	7.469	0.000	94	62353	1.50	
74 Fluorene	166	7.804	7.810	-0.006	74	15803	0.4765	
* 85 Phenanthrene-d10	188	8.728	8.728	0.000	98	1262234	40.0	
86 Phenanthrene	178	8.751	8.751	0.000	97	302424	8.53	
87 Anthracene	178	8.798	8.804	-0.006	99	44706	1.22	
88 Carbazole	167	8.963	8.963	0.000	96	23721	0.7653	
89 Di-n-butyl phthalate	149	9.310	9.310	0.000	99	74983	2.00	
90 Fluoranthene	202	9.922	9.916	0.006	98	335620	9.36	
92 Pyrene	202	10.139	10.139	0.000	97	294470	9.14	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	911067	37.9	
99 Benzo[a]anthracene	228	11.457	11.457	0.000	97	116618	4.32	
* 100 Chrysene-d12	240	11.469	11.469	-0.001	99	900284	40.0	
101 Chrysene	228	11.498	11.498	0.000	97	170460	6.70	
102 Bis(2-ethylhexyl) phthalat	149	11.510	11.510	0.000	86	206451	10.4	
104 Benzo[b]fluoranthene	252	12.857	12.851	0.006	96	194352	6.65	
105 Benzo[k]fluoranthene	252	12.886	12.886	0.000	97	64418	2.10	M
106 Benzo[a]pyrene	252	13.292	13.292	0.000	97	105571	3.81	
* 107 Perylene-d12	264	13.380	13.368	0.012	99	1014199	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.815	14.809	0.006	97	101392	3.36	
109 Dibenz(a,h)anthracene	278	14.839	14.839	0.000	57	31054	0.99	
110 Benzo[g,h,i]perylene	276	15.162	15.156	0.006	97	96430	3.65	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

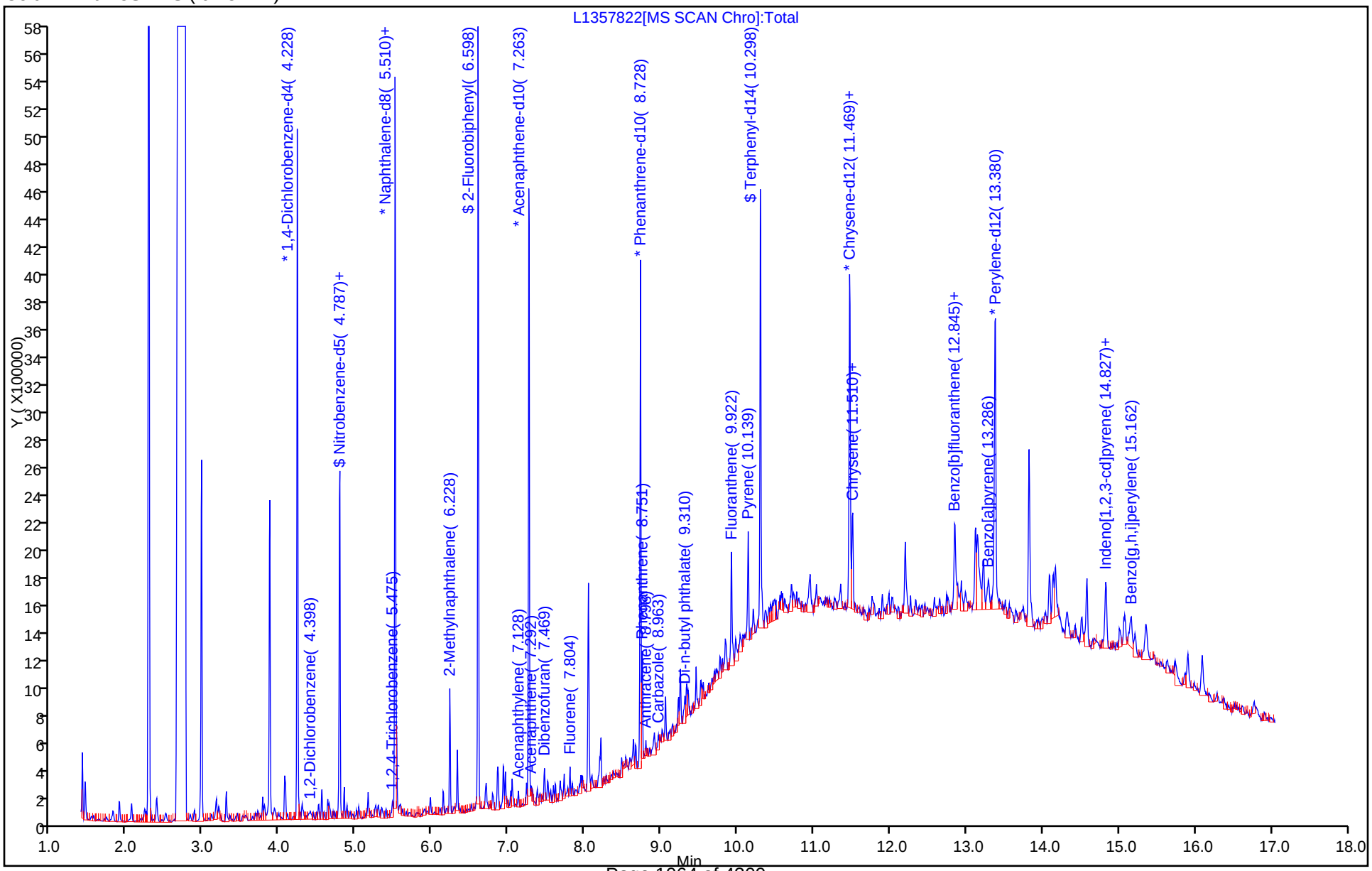
Report Date: 24-Aug-2016 11:16:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8	Worklist Smp#:	26
Client ID:	SB-4 (11-13) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



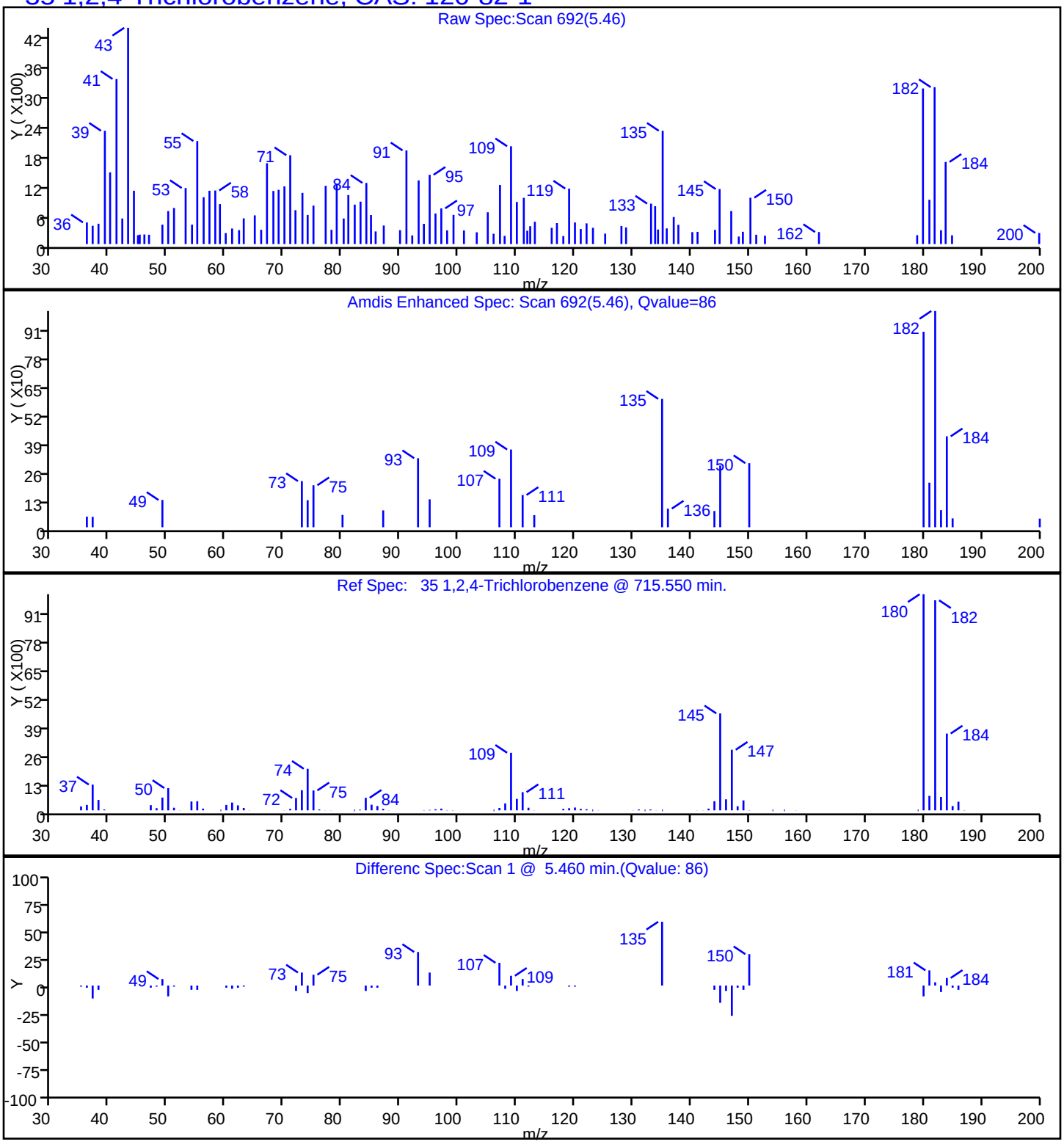
Report Date: 24-Aug-2016 11:16:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 1,2,4-Trichlorobenzene, CAS: 120-82-1



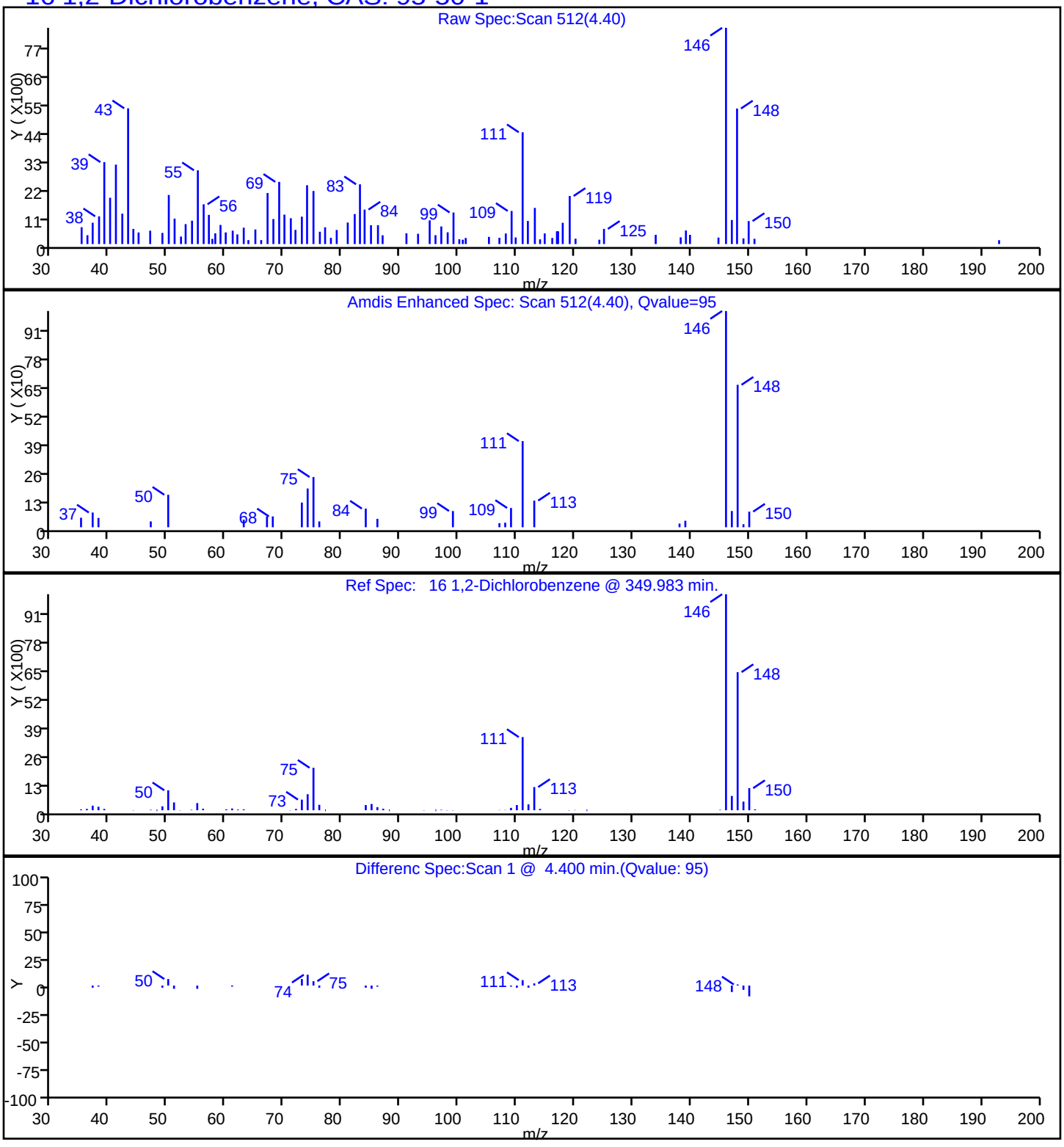
Report Date: 24-Aug-2016 11:16:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 1,2-Dichlorobenzene, CAS: 95-50-1



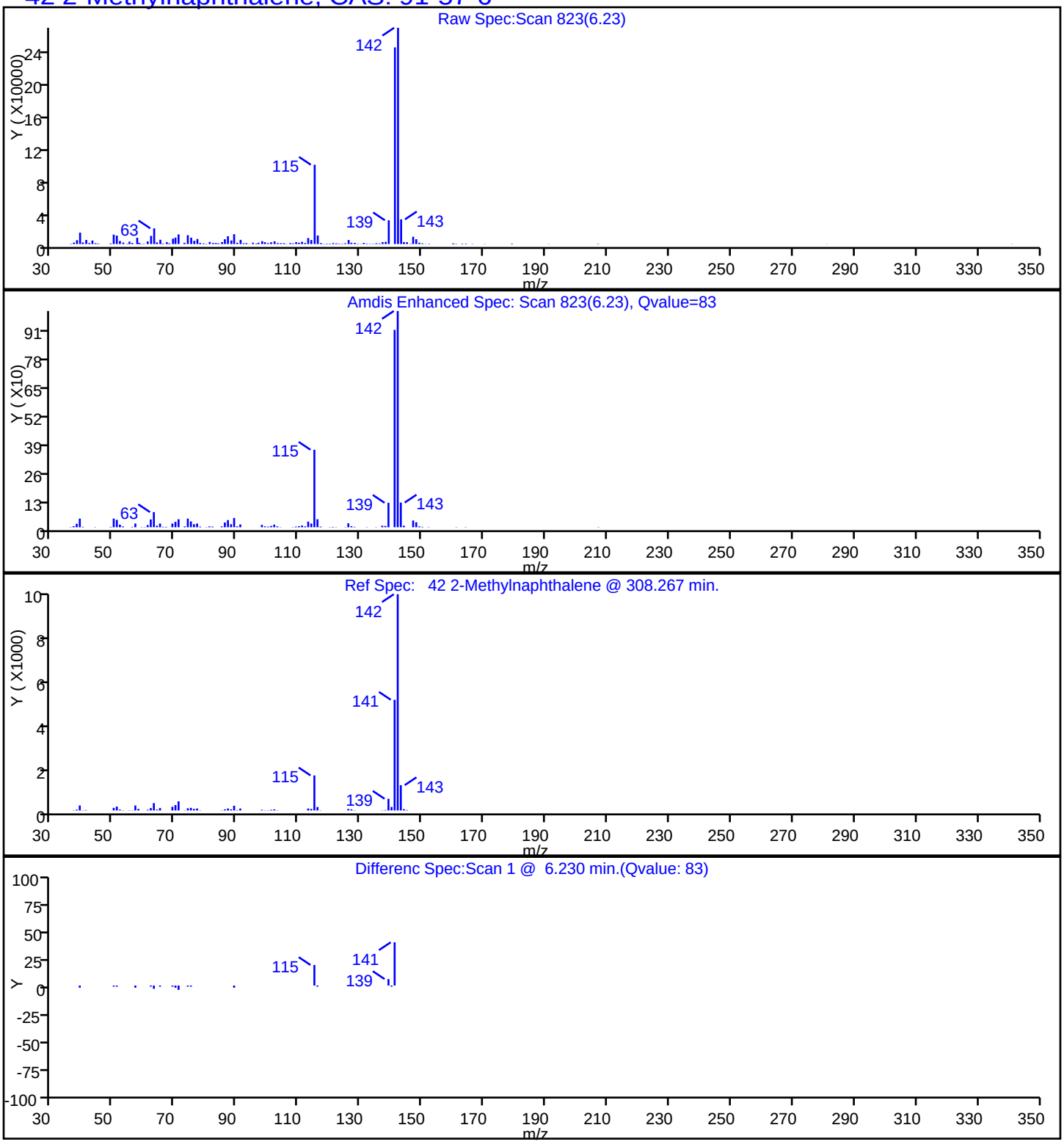
Report Date: 24-Aug-2016 11:16:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



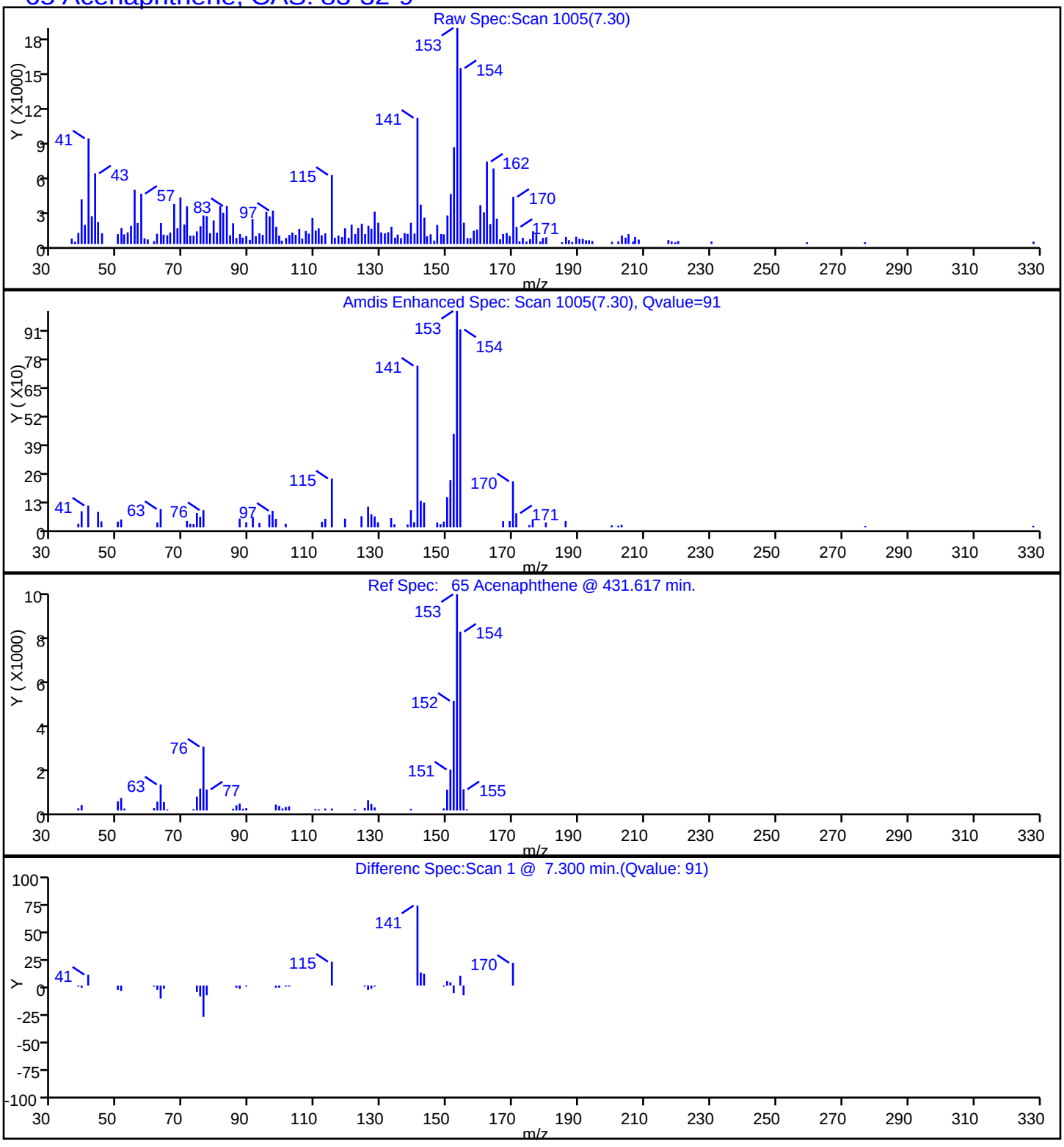
Report Date: 24-Aug-2016 11:16:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9



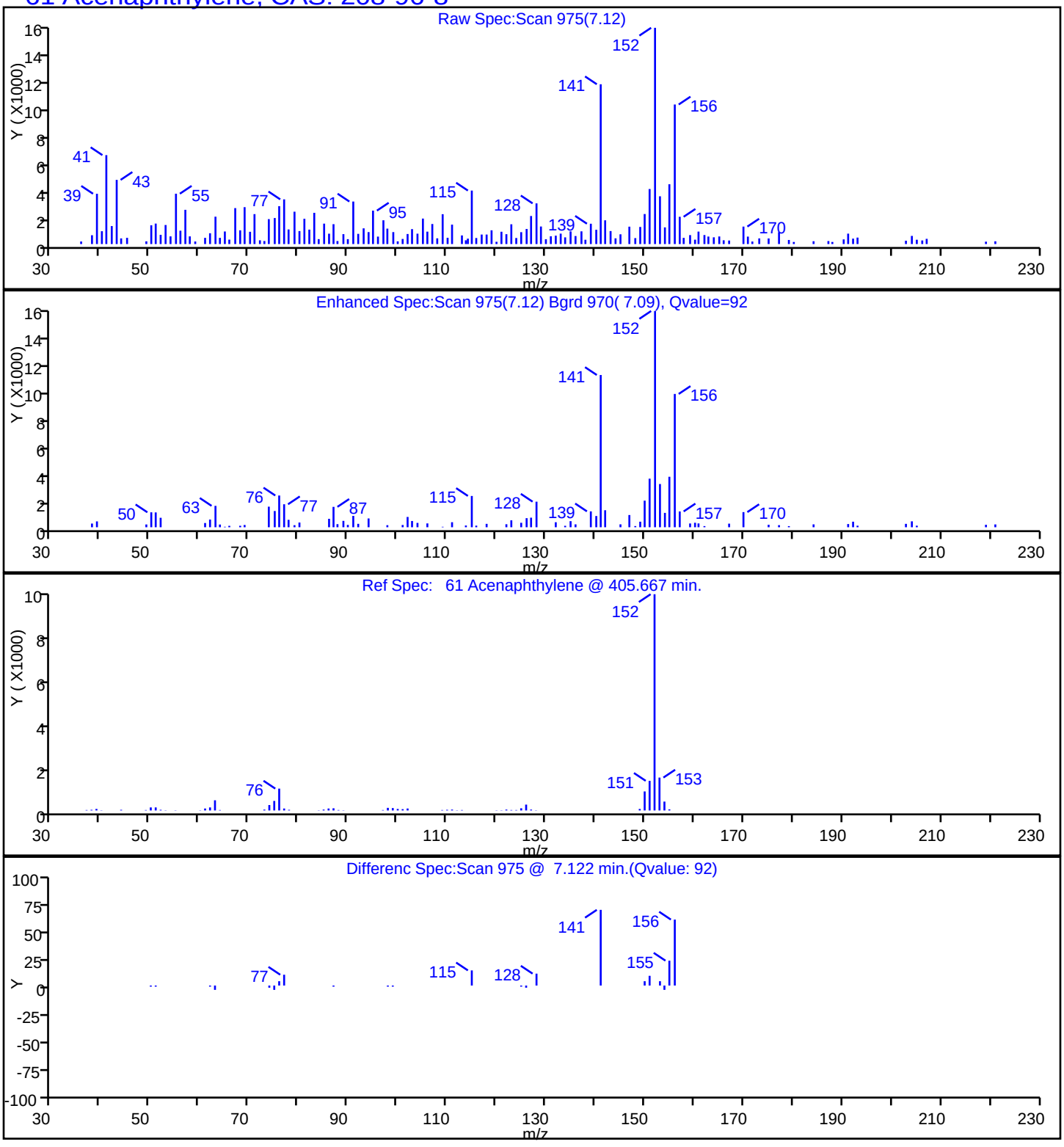
Report Date: 24-Aug-2016 11:16:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8



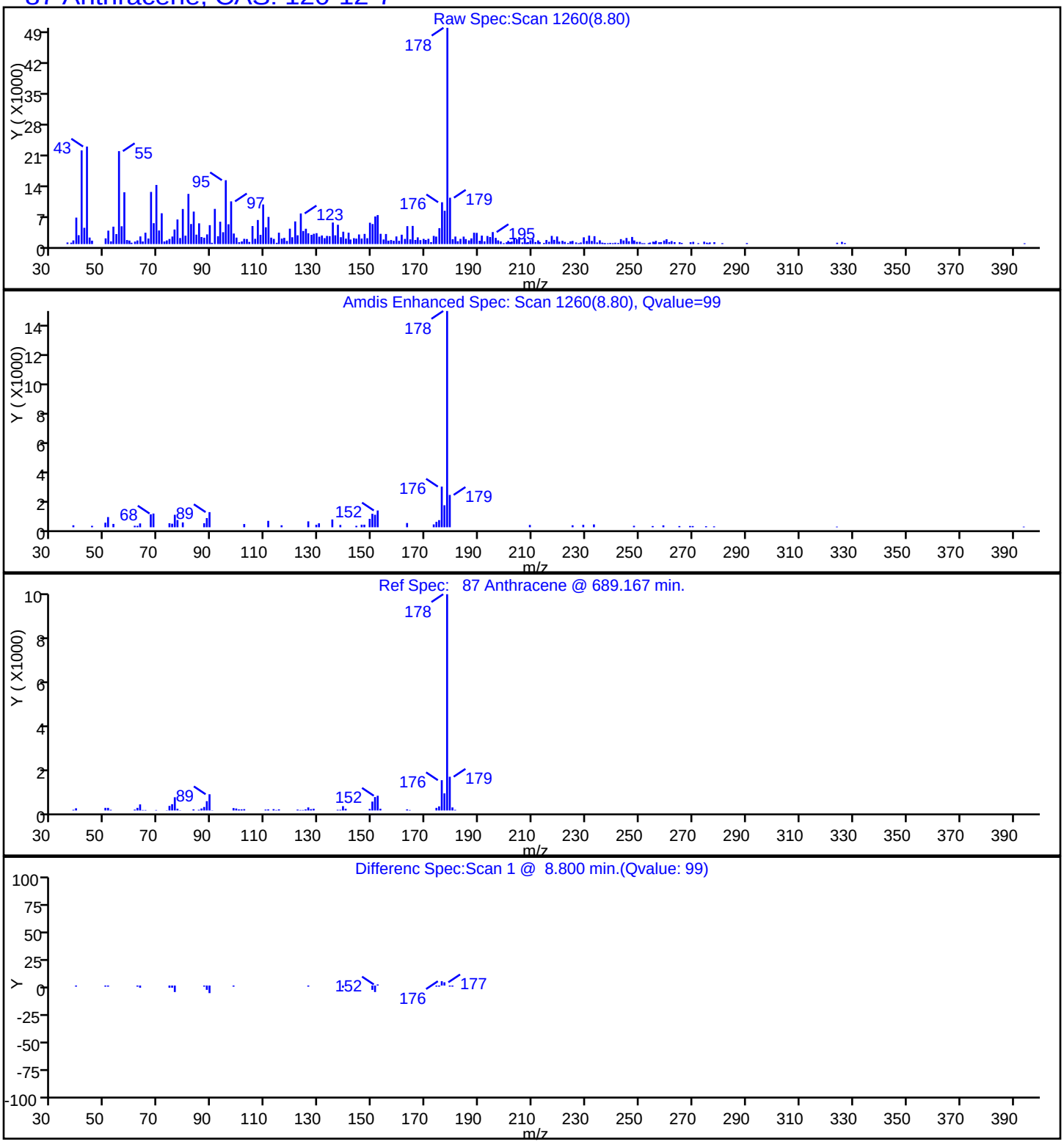
Report Date: 24-Aug-2016 11:16:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

87 Anthracene, CAS: 120-12-7



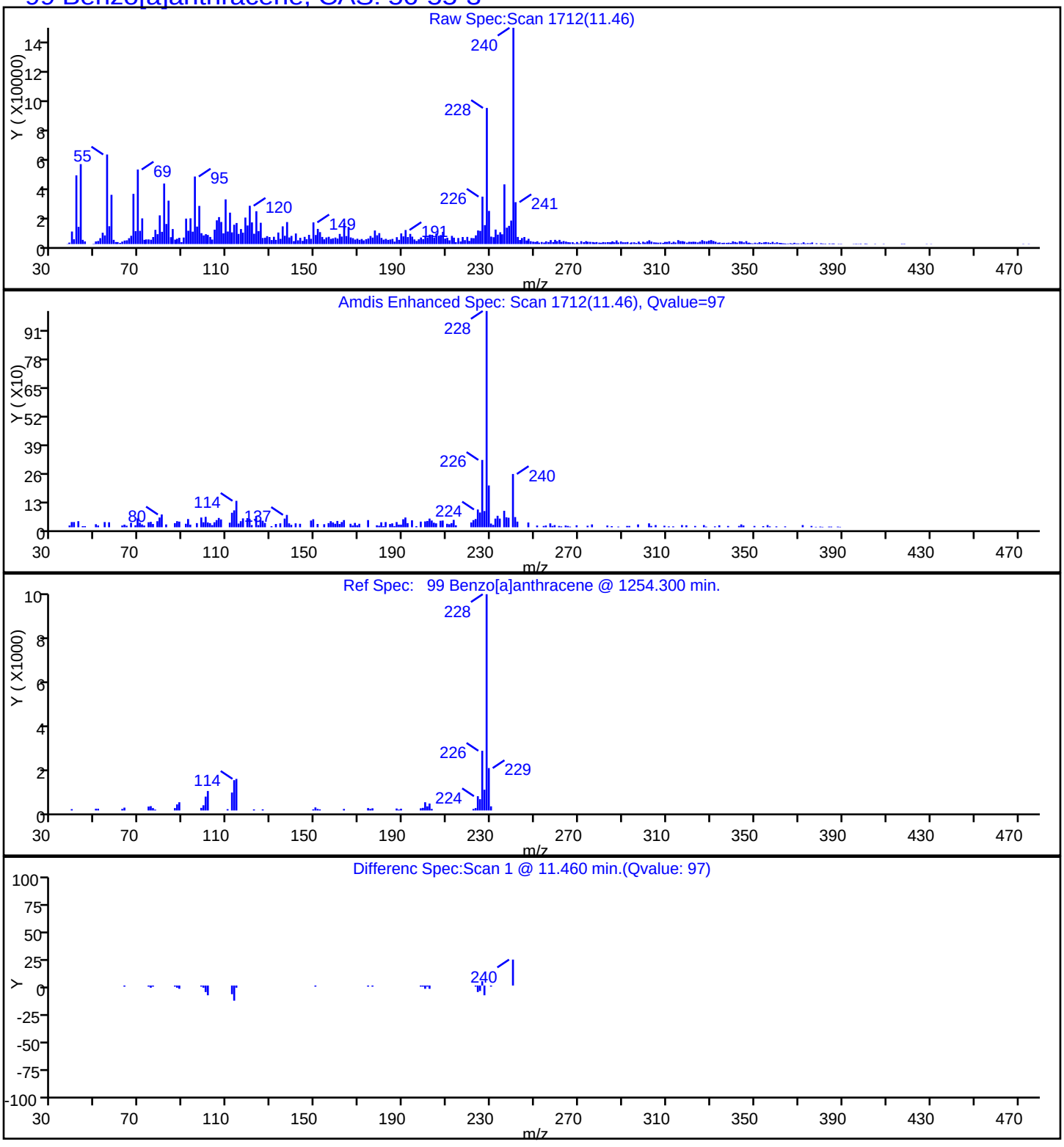
Report Date: 24-Aug-2016 11:16:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



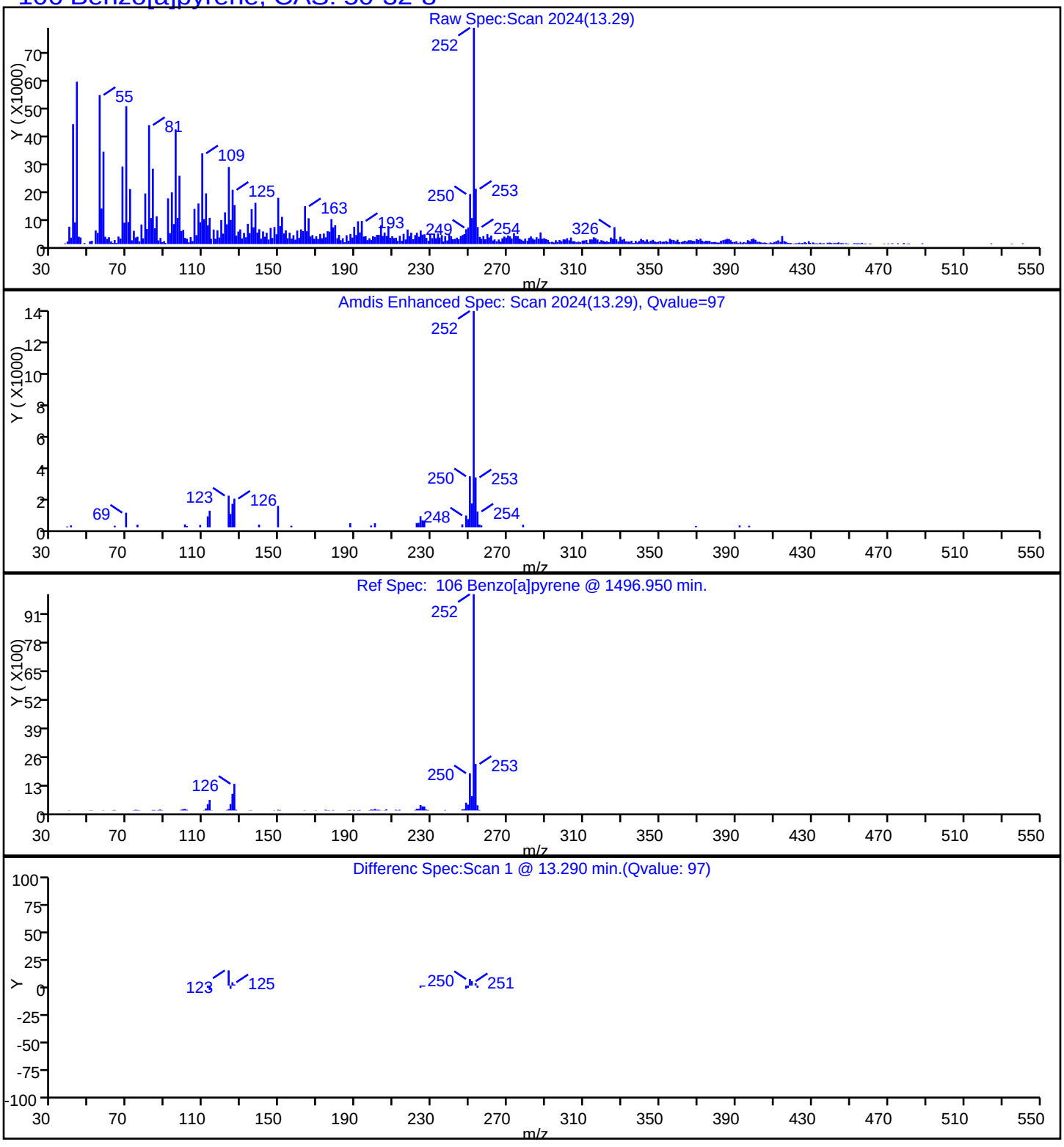
Report Date: 24-Aug-2016 11:16:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



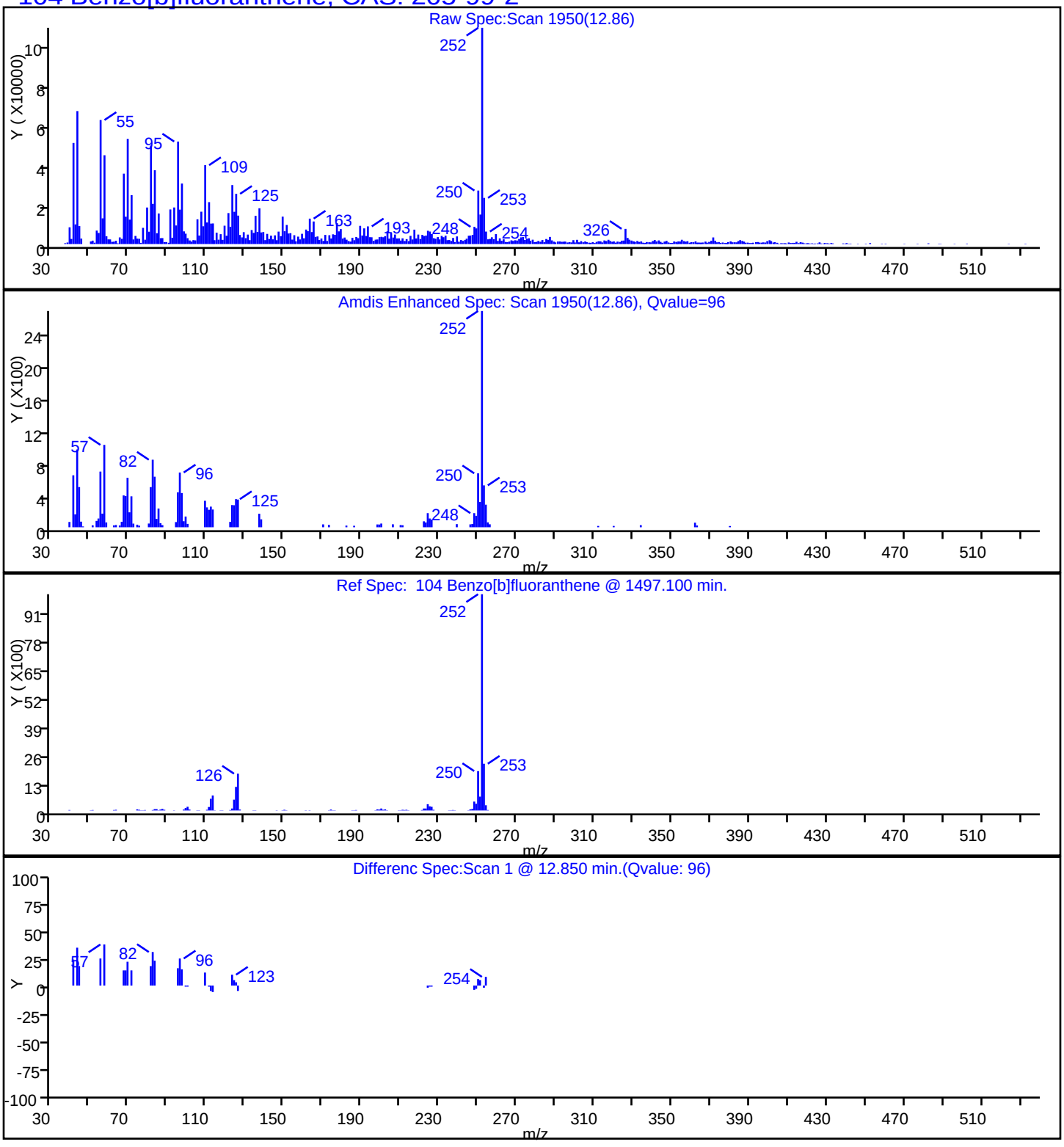
Report Date: 24-Aug-2016 11:16:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

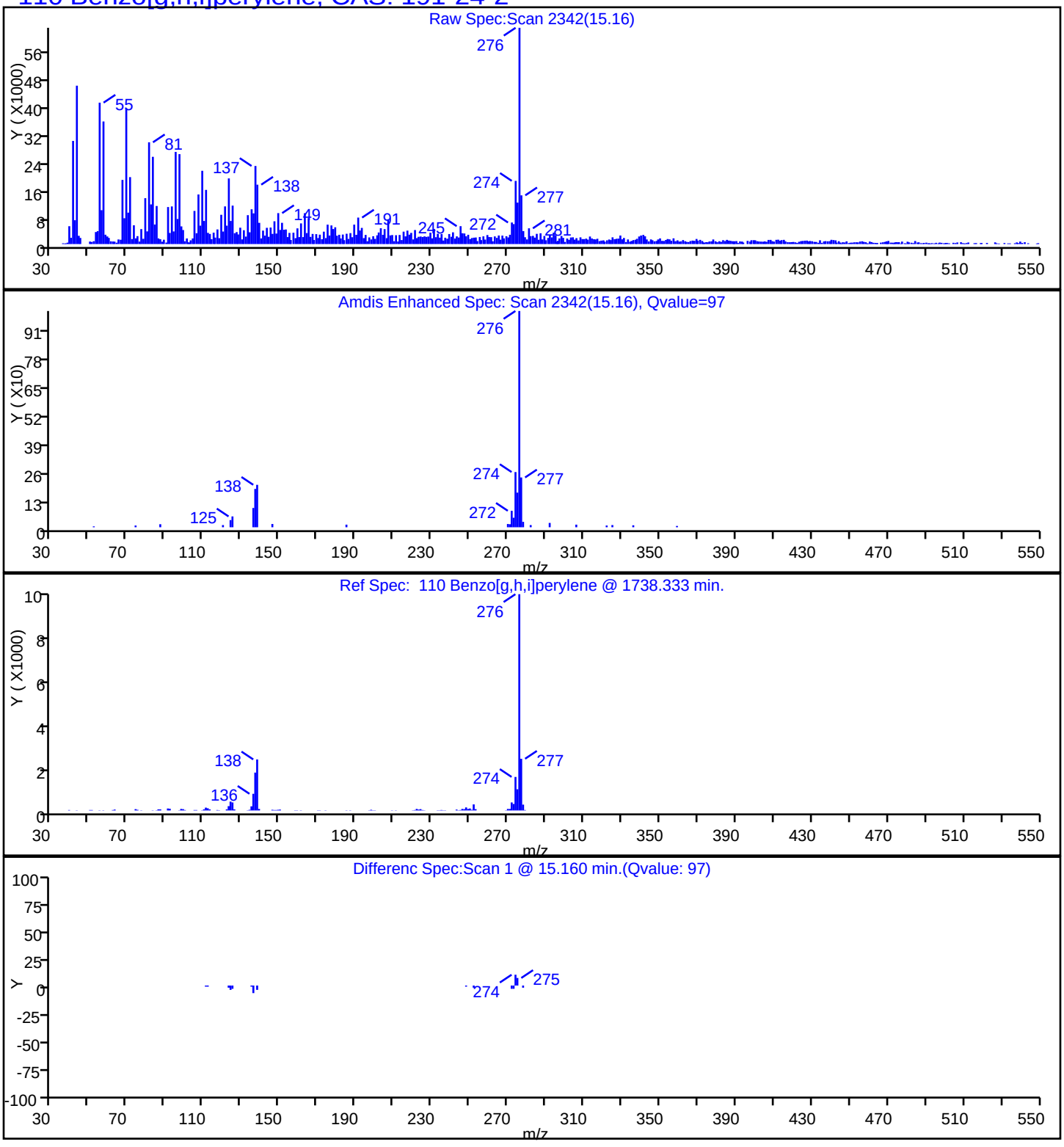


Report Date: 24-Aug-2016 11:16:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D				
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 11:16:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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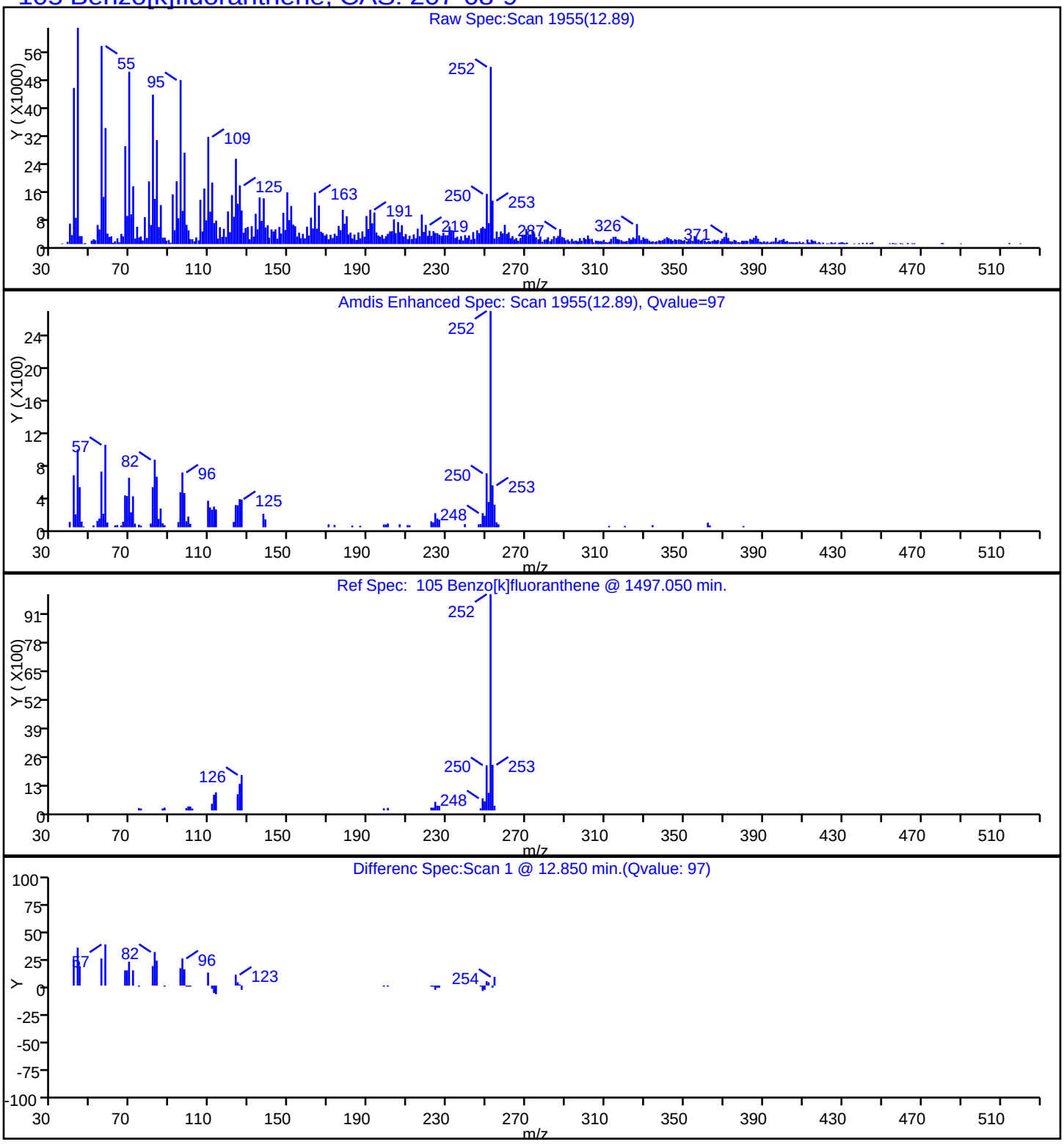
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



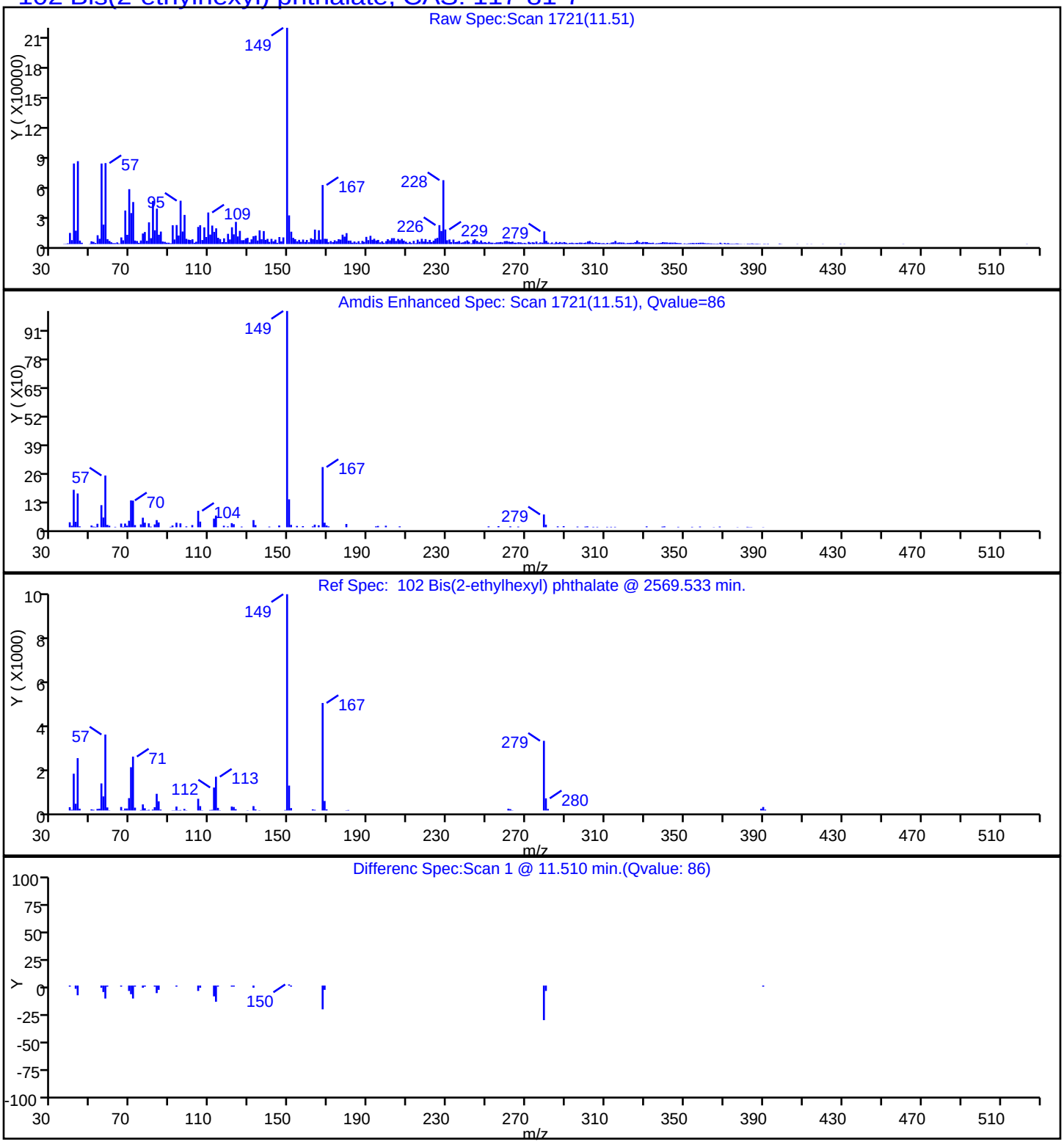
Report Date: 24-Aug-2016 11:16:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



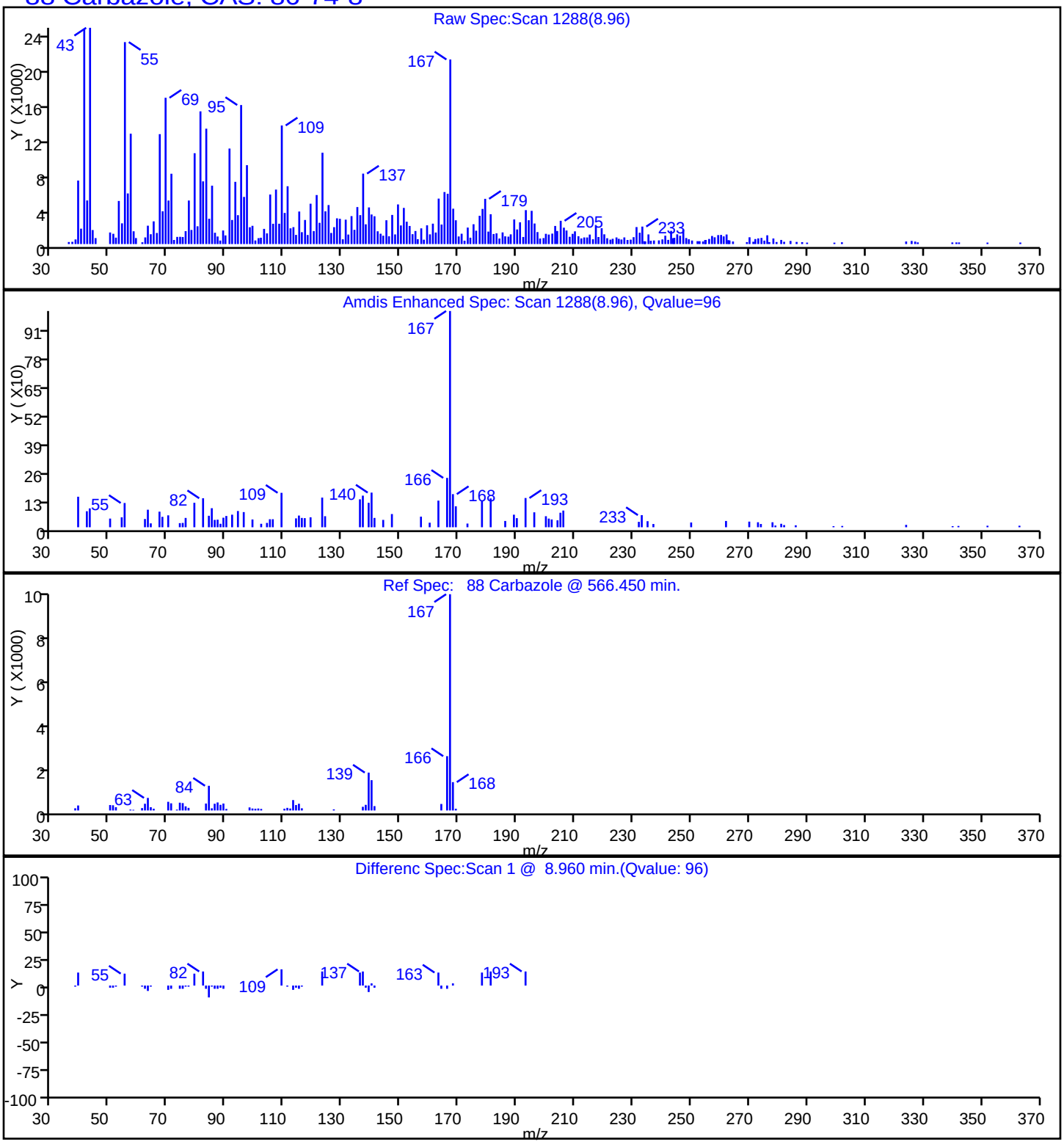
Report Date: 24-Aug-2016 11:16:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Carbazole, CAS: 86-74-8



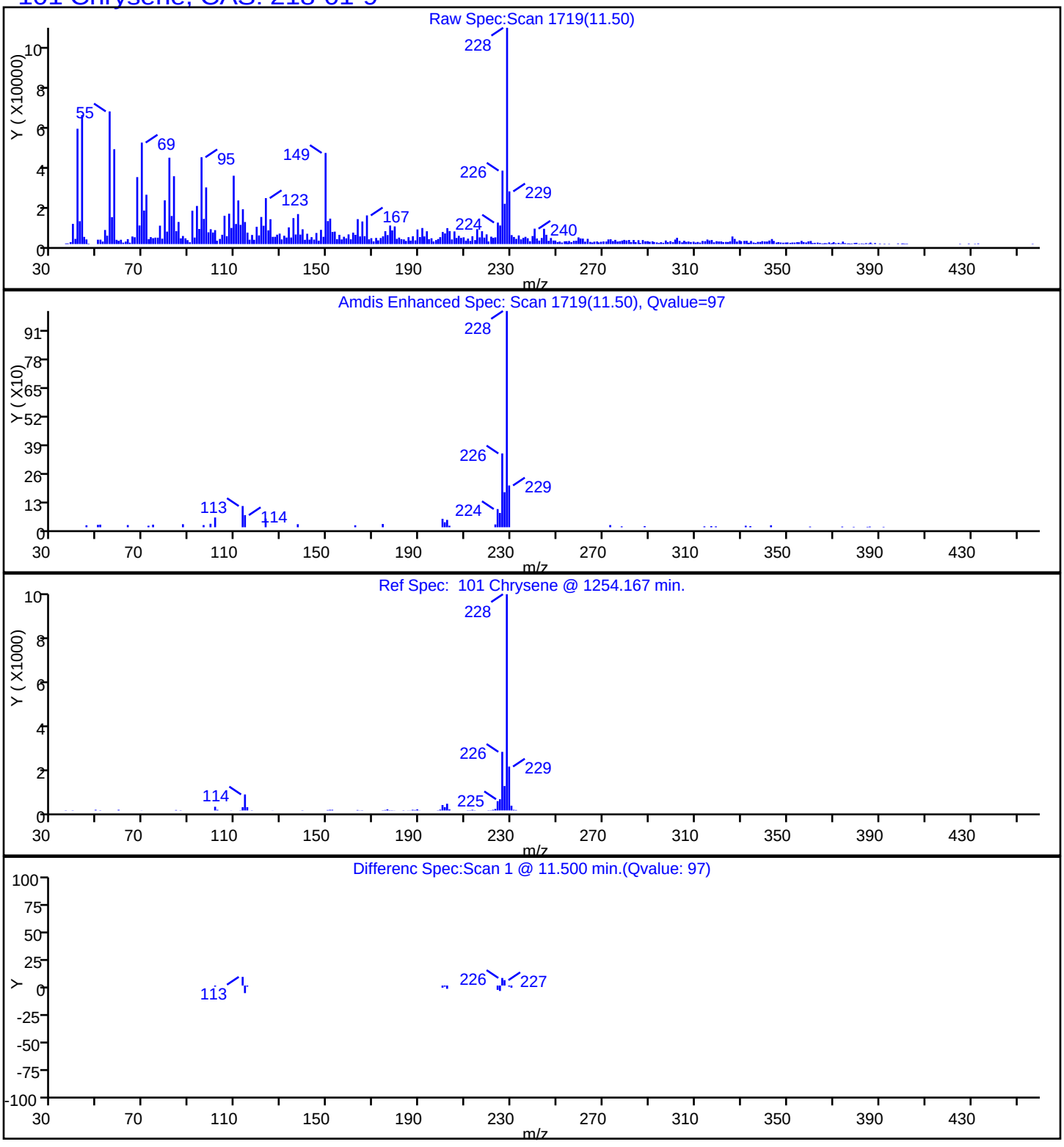
Report Date: 24-Aug-2016 11:16:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



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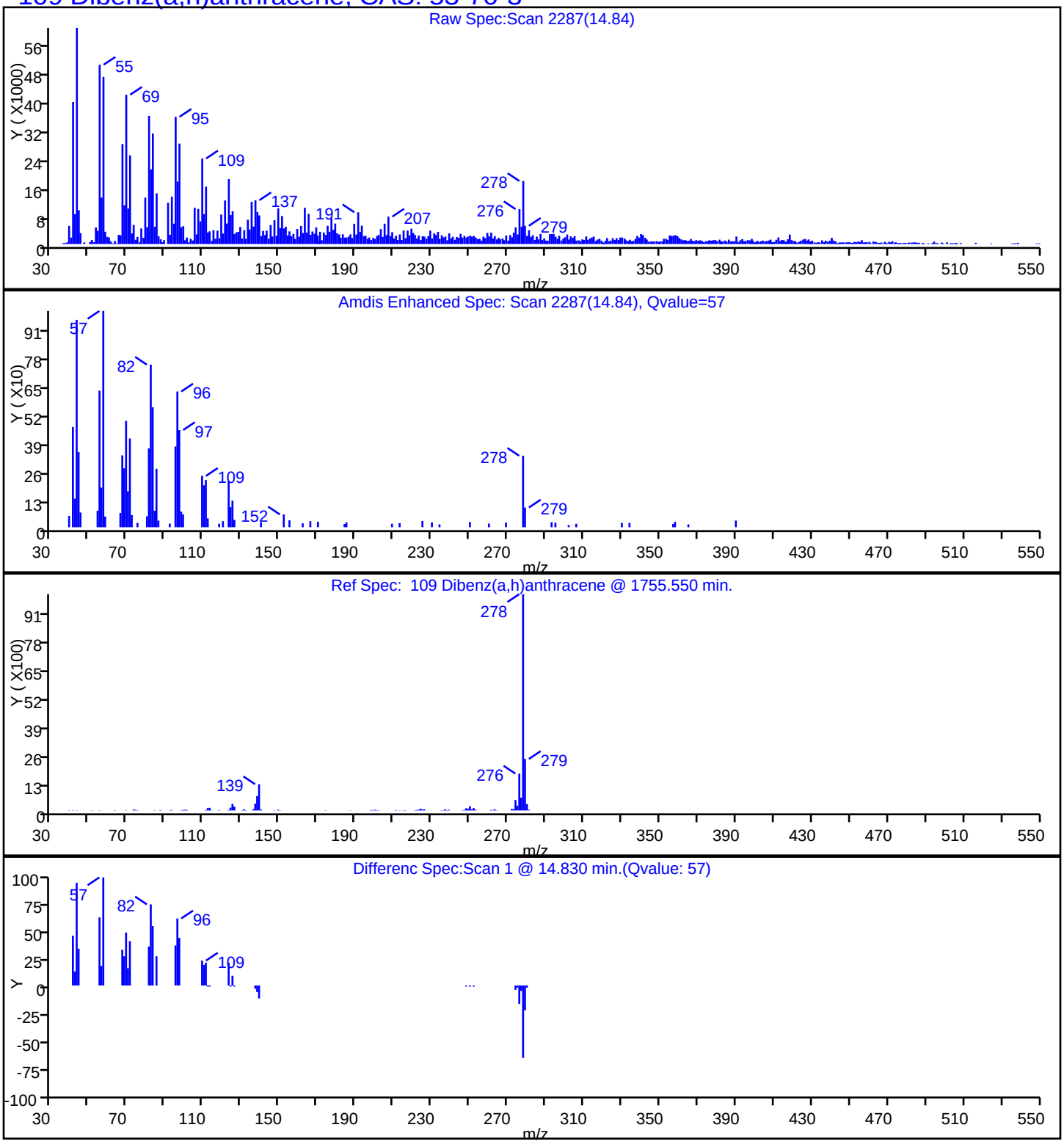
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3



Report Date: 24-Aug-2016 11:16:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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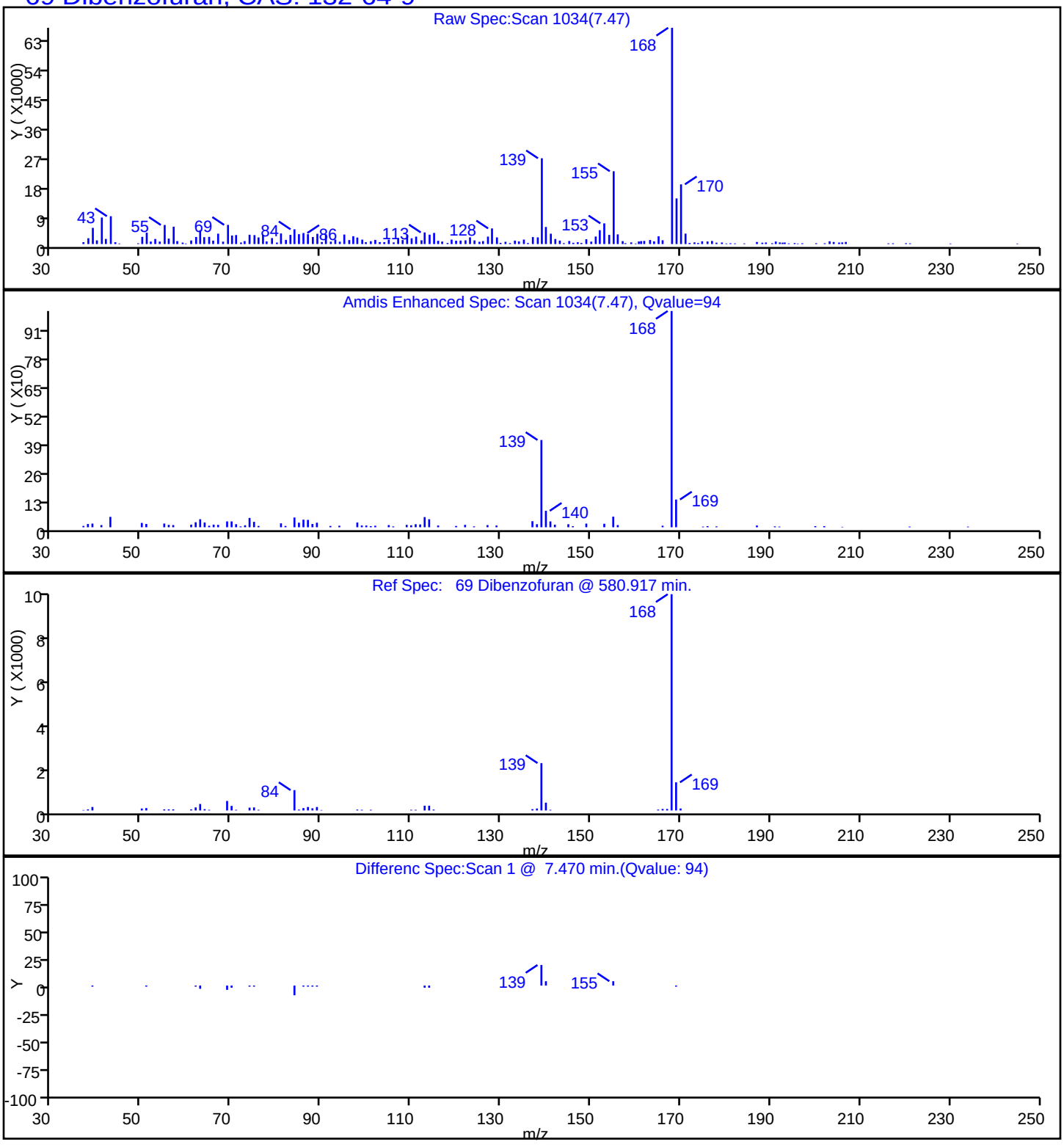
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 Dibenzofuran, CAS: 132-64-9



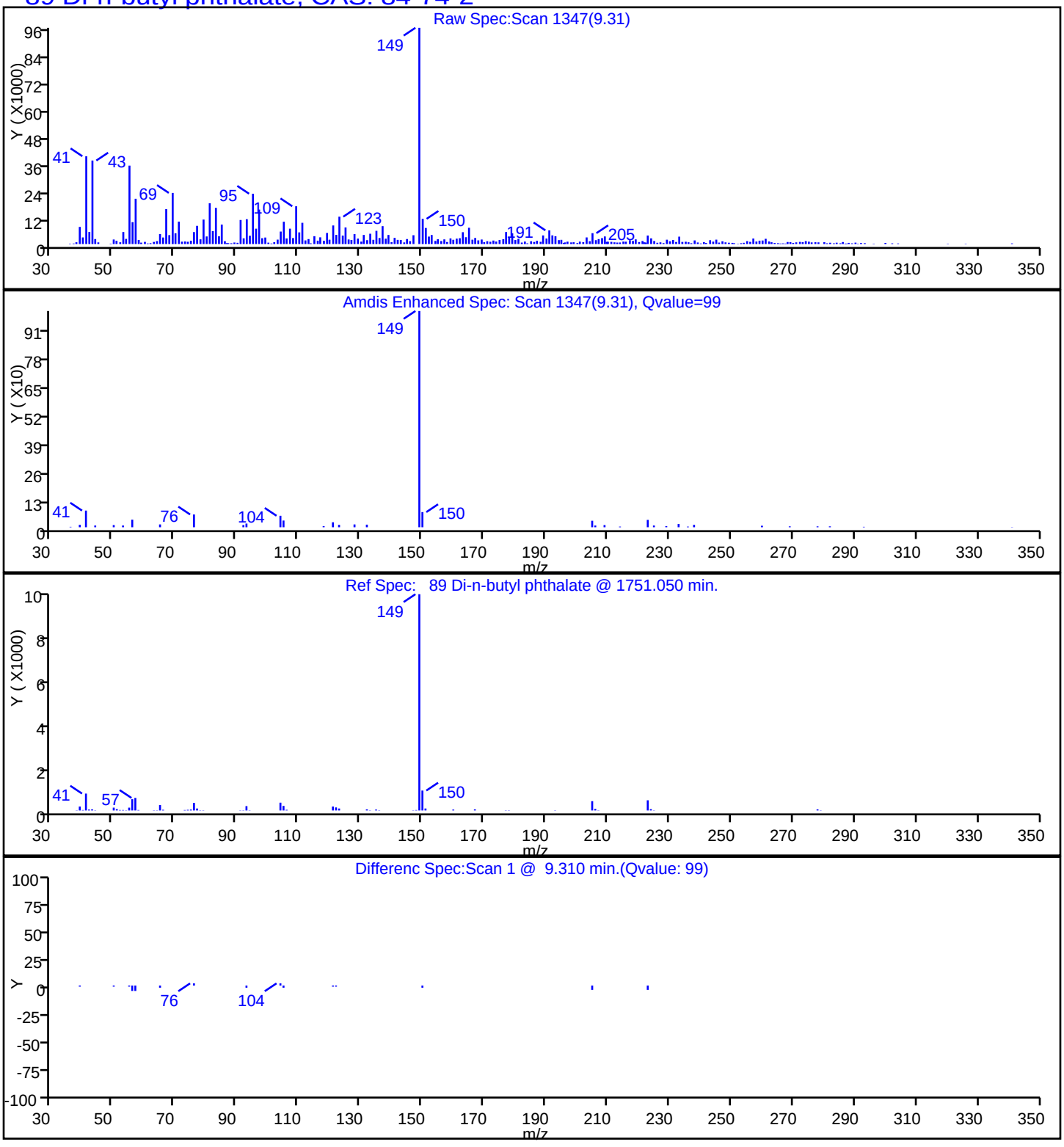
Report Date: 24-Aug-2016 11:16:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



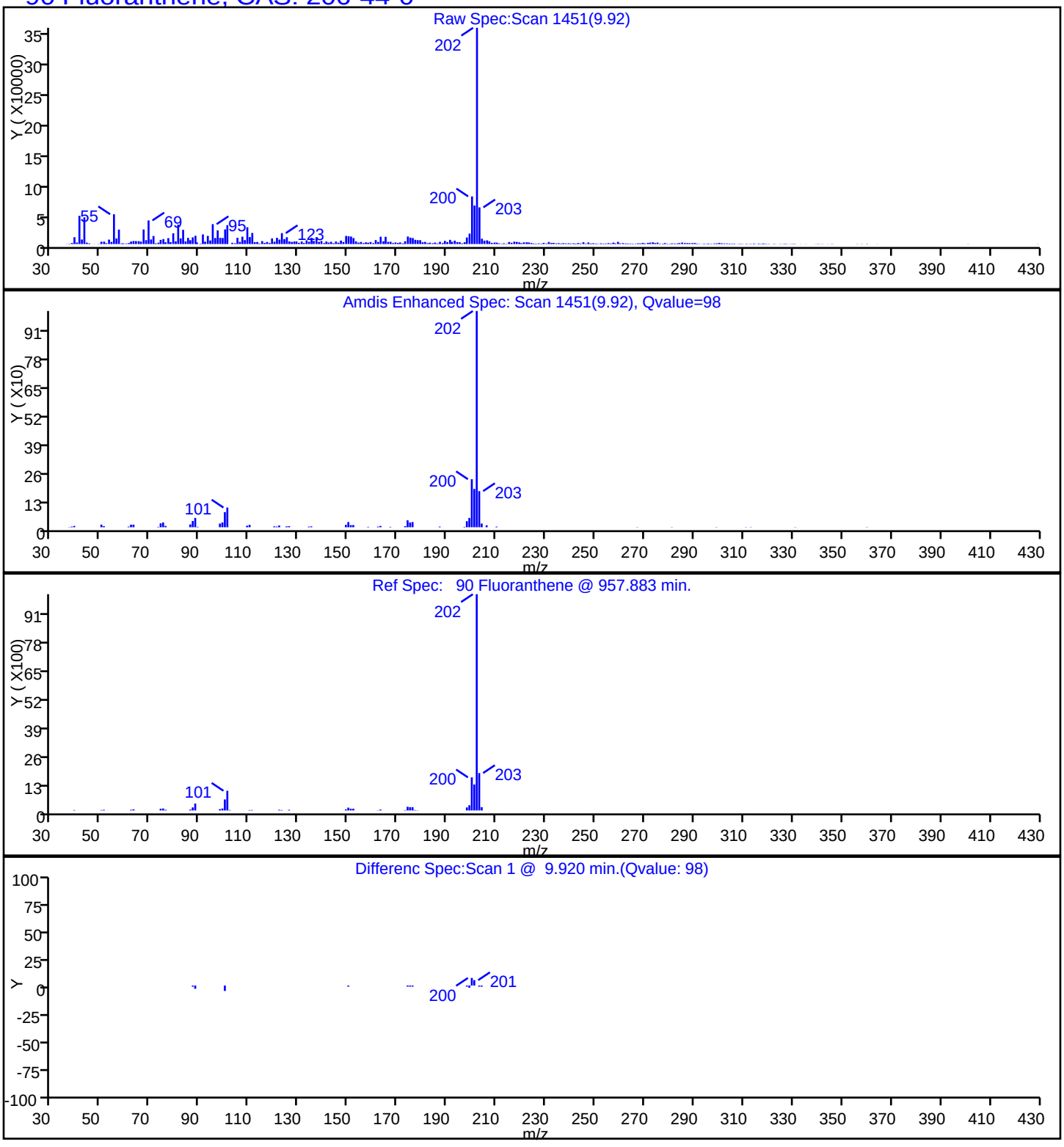
Report Date: 24-Aug-2016 11:16:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D

Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



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TestAmerica Edison

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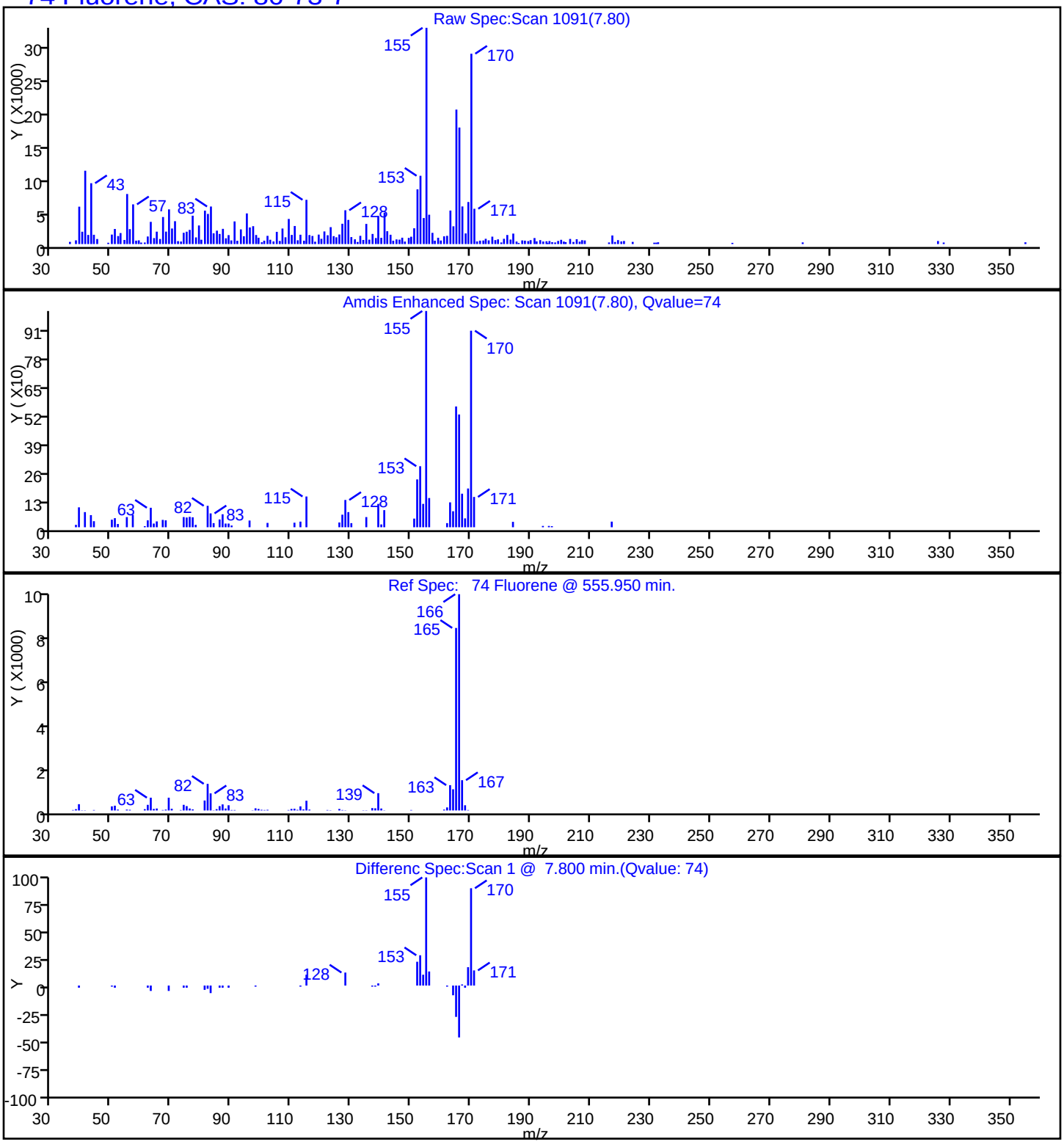
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7



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TestAmerica Edison

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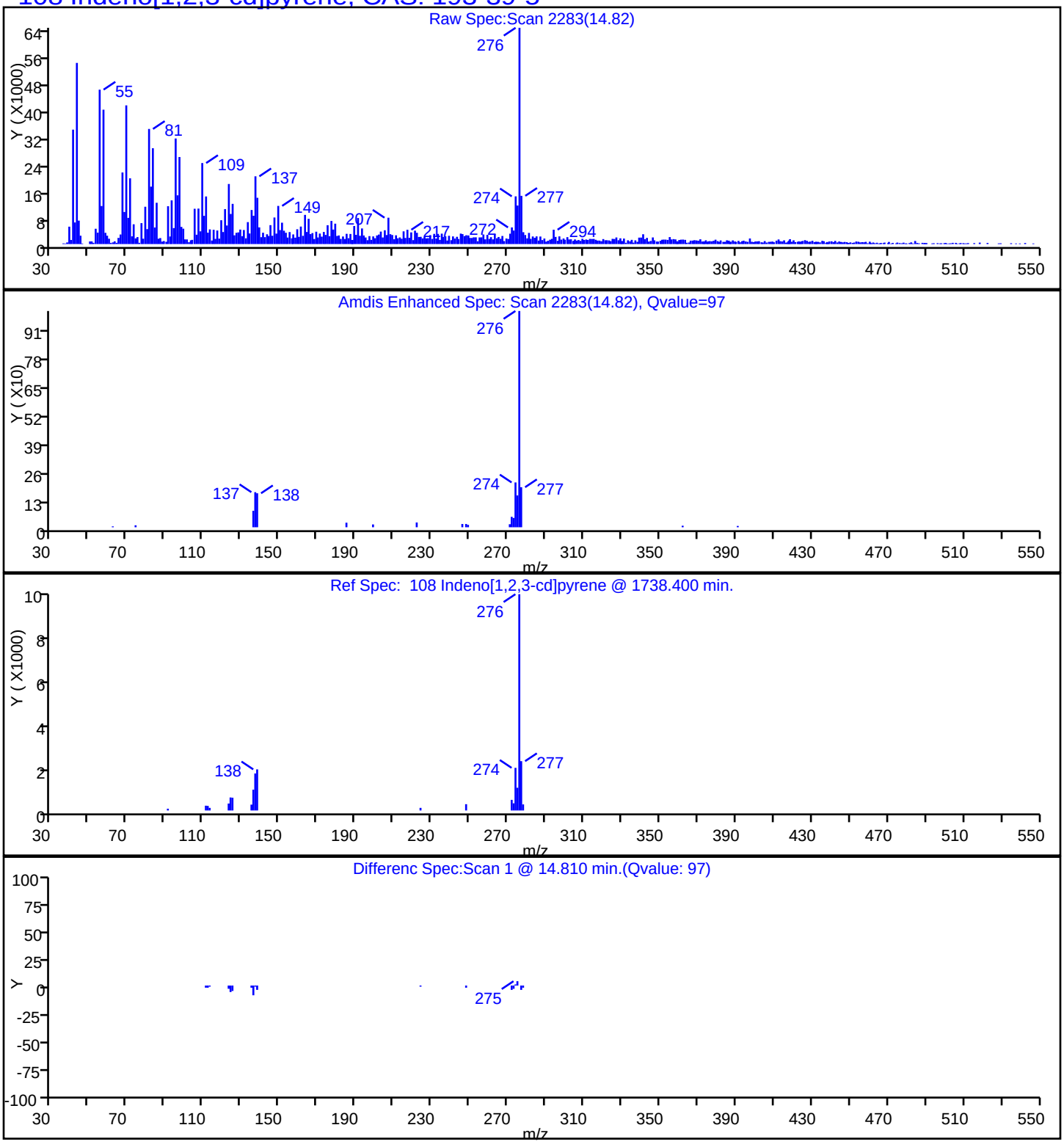
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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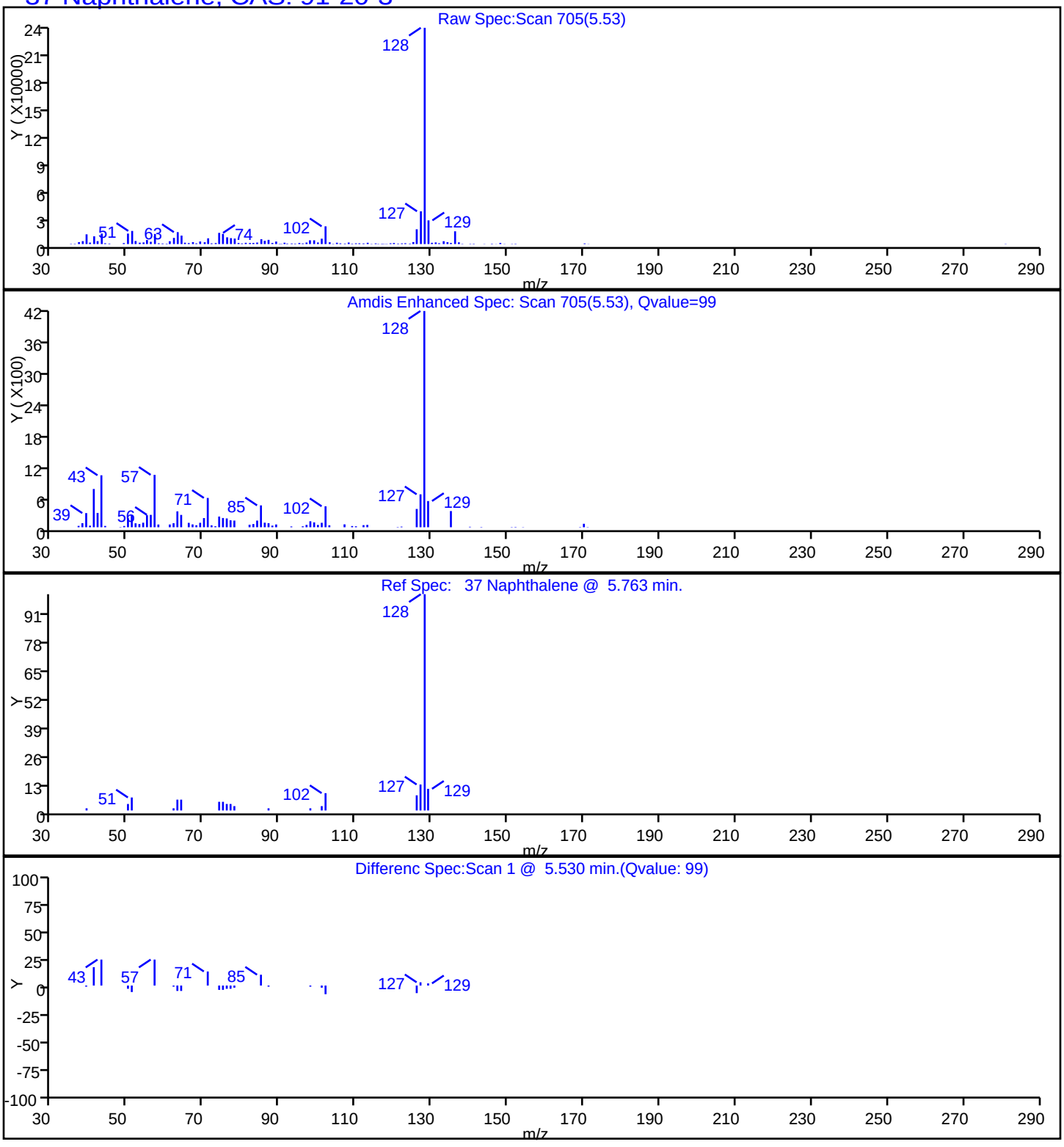
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3



Report Date: 24-Aug-2016 11:16:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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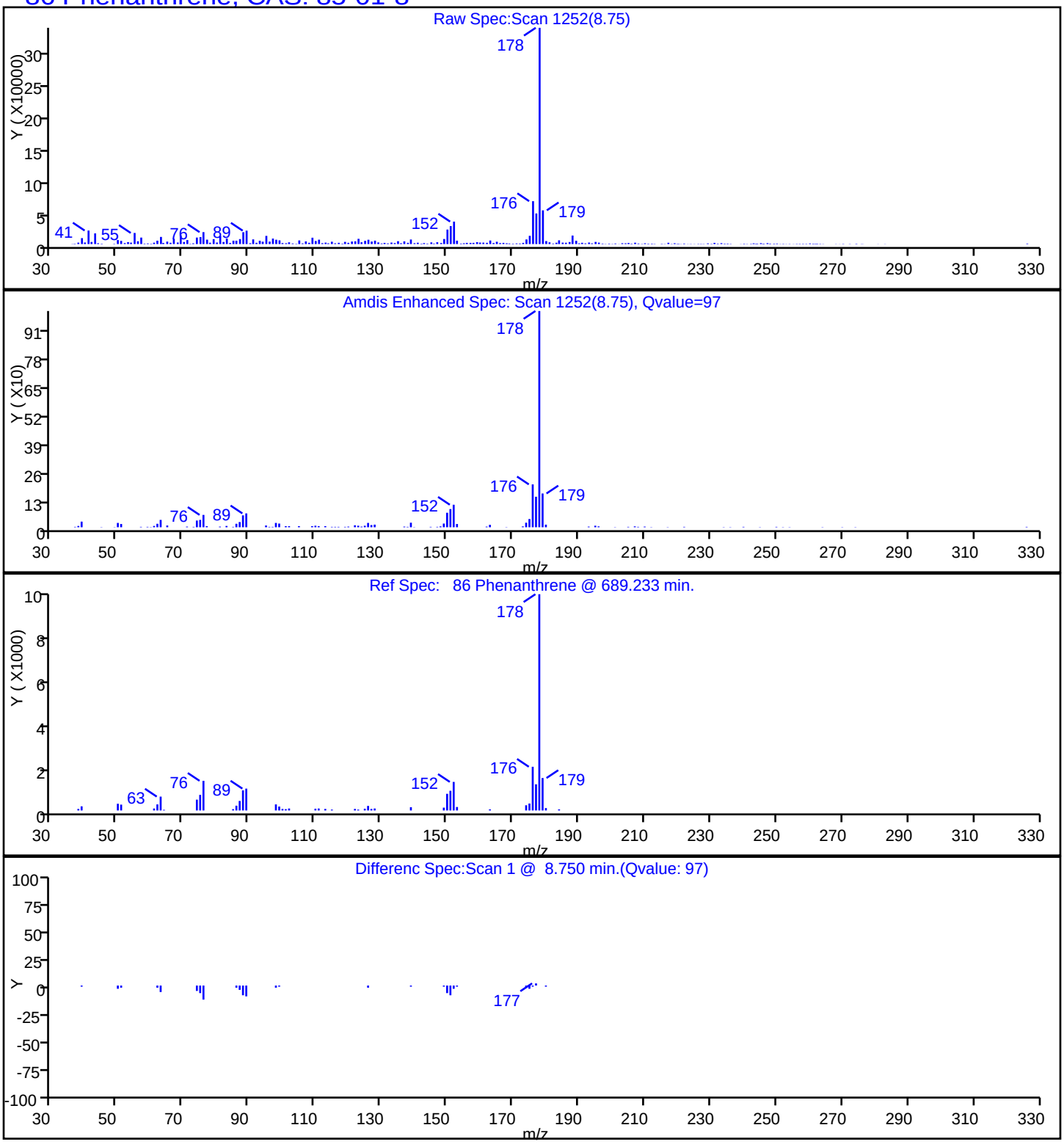
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



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TestAmerica Edison

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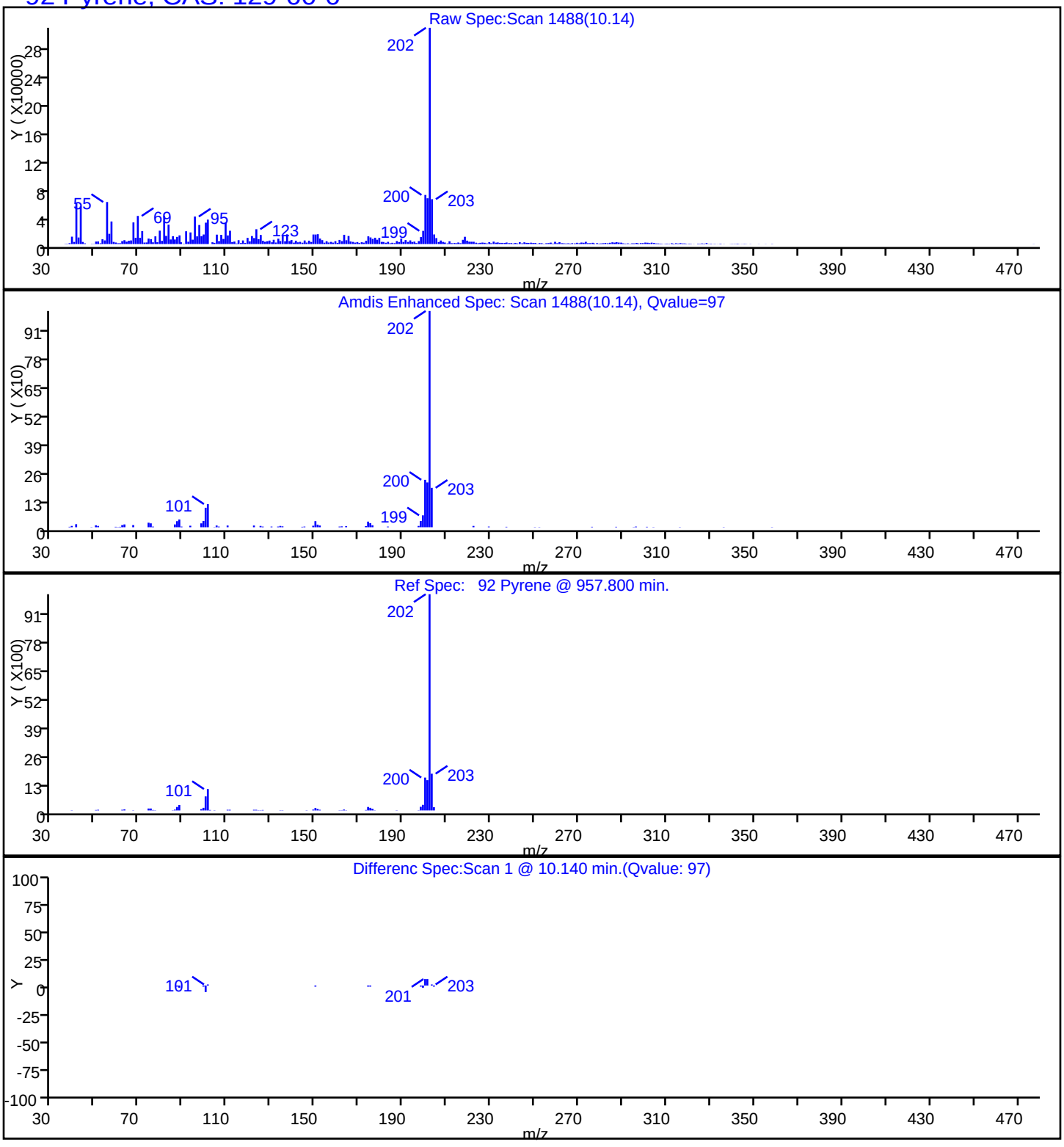
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

TestAmerica Edison

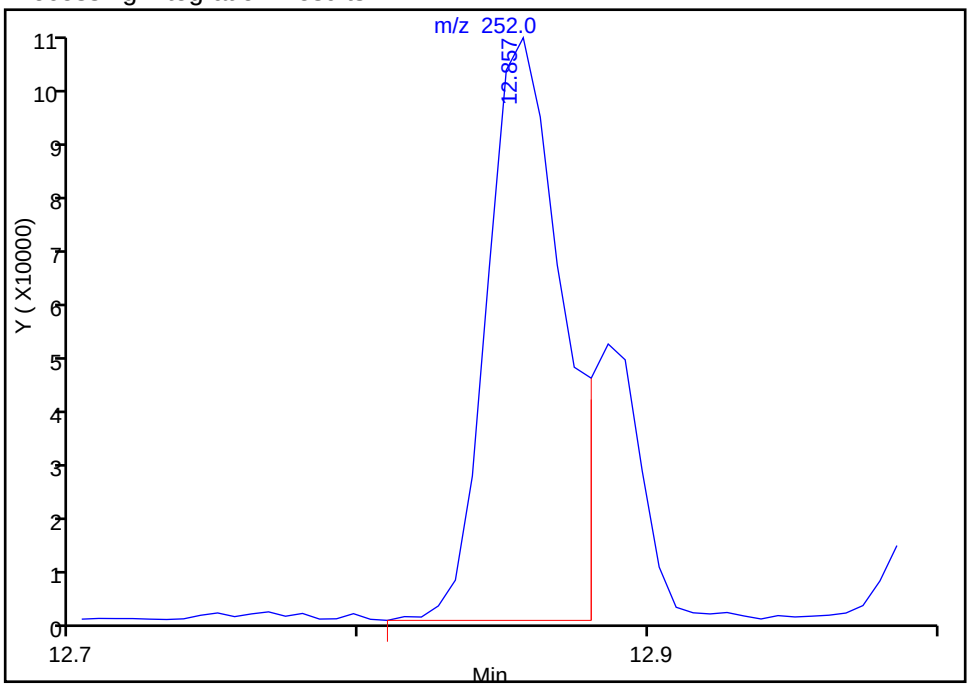
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D				
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

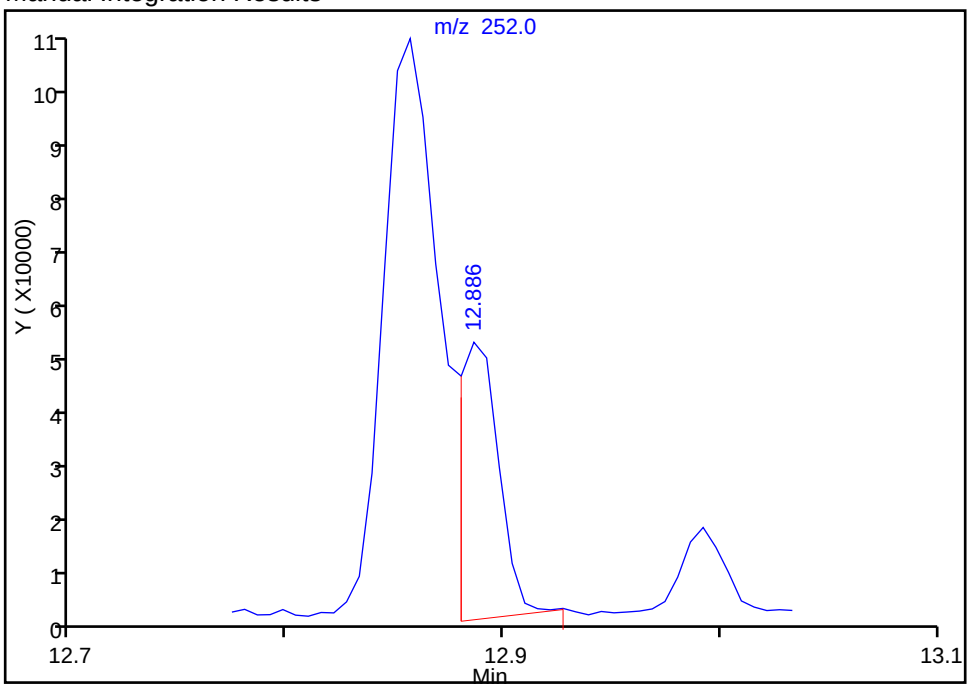
Processing Integration Results

RT: 12.86
Area: 194352
Amount: 6.345066
Amount Units: ug/ml



Manual Integration Results

RT: 12.89
Area: 64418
Amount: 2.103073
Amount Units: ug/ml



Reviewer: khlungprakhons, 24-Aug-2016 05:08:42

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

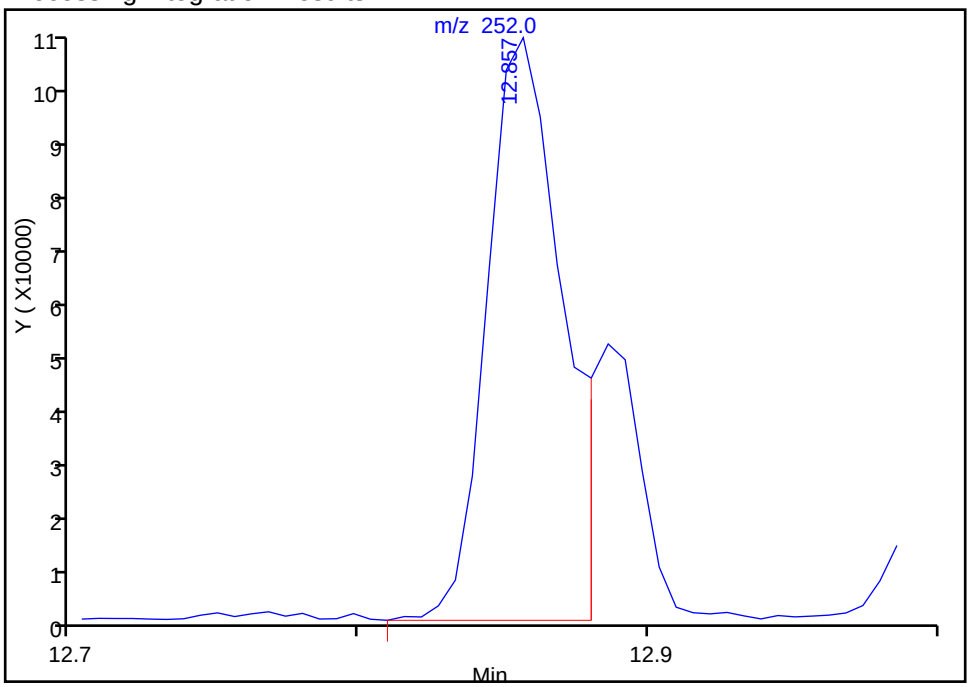
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357822.D				
Injection Date:	23-Aug-2016 17:43:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-8-A	Lab Sample ID:	460-118857-8		
Client ID:	SB-4 (11-13) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

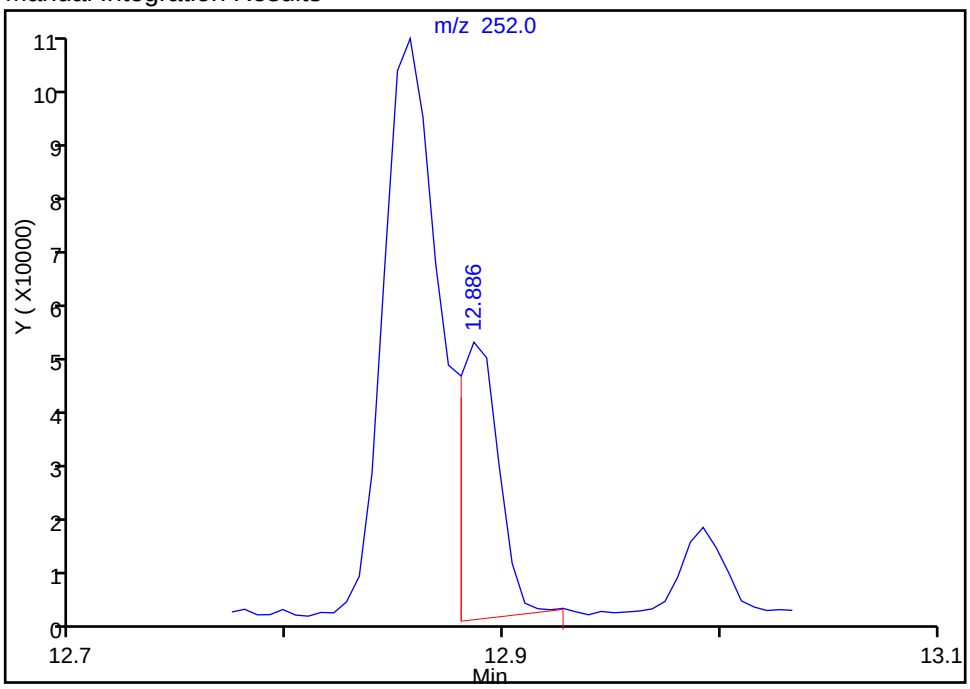
Processing Integration Results

RT: 12.86
Area: 194352
Amount: 6.345066
Amount Units: ug/ml



Manual Integration Results

RT: 12.89
Area: 64418
Amount: 2.103073
Amount Units: ug/ml



Reviewer: khlungprakhons, 24-Aug-2016 05:08:42

Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (2-4) 08182016 | Lab Sample ID: 460-118857-9

Matrix: Solid | Lab File ID: L1357818.D

Analysis Method: 8270D | Date Collected: 08/18/2016 12:33

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0369(g) | Date Analyzed: 08/23/2016 16:05

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	35	U	35	7.8
95-50-1	1,2-Dichlorobenzene	350	U	350	12
541-73-1	1,3-Dichlorobenzene	350	U	350	27
106-46-7	1,4-Dichlorobenzene	350	U	350	28
108-60-1	2,2'-oxybis[1-chloropropane]	350	U	350	14
121-14-2	2,4-Dinitrotoluene	71	U	71	14
606-20-2	2,6-Dinitrotoluene	71	U	71	19
91-58-7	2-Chloronaphthalene	350	U	350	8.0
91-57-6	2-Methylnaphthalene	120	J	350	7.8
88-74-4	2-Nitroaniline	350	U	350	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	39
99-09-2	3-Nitroaniline	350	U	350	10
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
106-47-8	4-Chloroaniline	350	U	350	9.0
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	11
100-01-6	4-Nitroaniline	350	U	350	13
83-32-9	Acenaphthene	340	J	350	8.5
208-96-8	Acenaphthylene	74	J	350	9.0
120-12-7	Anthracene	840		350	33
56-55-3	Benzo[a]anthracene	2300		35	29
50-32-8	Benzo[a]pyrene	2000		35	11
205-99-2	Benzo[b]fluoranthene	3000		35	14
191-24-2	Benzo[g,h,i]perylene	1500		350	20
207-08-9	Benzo[k]fluoranthene	1200		35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.3
117-81-7	Bis(2-ethylhexyl) phthalate	110	J	350	14
85-68-7	Butyl benzyl phthalate	350	U	350	11
86-74-8	Carbazole	720		350	8.7
218-01-9	Chrysene	2800		350	9.6
53-70-3	Dibenz(a,h)anthracene	320		35	18
132-64-9	Dibenzofuran	300	J	350	11
84-66-2	Diethyl phthalate	350	U	350	10
131-11-3	Dimethyl phthalate	350	U	350	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (2-4) 08182016 | Lab Sample ID: 460-118857-9

Matrix: Solid | Lab File ID: L1357818.D

Analysis Method: 8270D | Date Collected: 08/18/2016 12:33

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0369(g) | Date Analyzed: 08/23/2016 16:05

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	52	J	350	11
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	5700		350	10
86-73-7	Fluorene	440		350	7.7
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	71	U	71	9.9
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	1300		35	23
78-59-1	Isophorone	140	U	140	7.6
91-20-3	Naphthalene	210	J	350	8.9
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	32
85-01-8	Phenanthrene	6000		350	9.4
129-00-0	Pyrene	4900		350	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	84		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	72		37-94
1718-51-0	Terphenyl-d14 (Surr)	77		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D
Lims ID: 460-118857-F-9-A
Client ID: SB-6 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:05:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-022
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 11:13:52 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: khlungprakhons Date: 24-Aug-2016 04:17:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	95	779096	40.0	
$ 26 Nitrobenzene-d5	82	4.781	4.792	-0.011	90	772059	35.9	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2458816	40.0	
37 Naphthalene	128	5.534	5.534	0.000	99	179520	3.00	
42 2-Methylnaphthalene	142	6.228	6.234	-0.006	82	72358	1.73	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	96	1732295	41.8	
61 Acenaphthylene	152	7.122	7.128	-0.006	97	51525	1.04	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	94	1147166	40.0	
65 Acenaphthene	154	7.298	7.298	0.000	94	160198	4.86	
69 Dibenzofuran	168	7.469	7.469	0.000	95	199805	4.24	
74 Fluorene	166	7.804	7.810	-0.006	95	231106	6.13	
* 85 Phenanthrene-d10	188	8.728	8.728	0.000	98	1485663	40.0	
86 Phenanthrene	178	8.751	8.751	0.000	98	3528014	84.5	
87 Anthracene	178	8.798	8.804	-0.006	99	512201	11.9	
88 Carbazole	167	8.963	8.963	0.000	96	370022	10.1	
89 Di-n-butyl phthalate	149	9.310	9.310	0.000	98	32209	0.7306	
90 Fluoranthene	202	9.922	9.916	0.006	97	3379401	80.1	
92 Pyrene	202	10.145	10.139	0.006	97	2703584	68.9	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1127831	38.6	
99 Benzo[a]anthracene	228	11.457	11.457	0.000	98	1043777	31.7	
* 100 Chrysene-d12	240	11.469	11.469	-0.001	99	1096363	40.0	
101 Chrysene	228	11.504	11.498	0.006	98	1212017	39.1	
102 Bis(2-ethylhexyl) phthalat	149	11.510	11.510	0.000	83	36815	1.52	
104 Benzo[b]fluoranthene	252	12.857	12.851	0.006	98	1255146	42.6	
105 Benzo[k]fluoranthene	252	12.886	12.886	0.000	1	540971	17.5	
106 Benzo[a]pyrene	252	13.292	13.292	0.000	97	799950	28.7	
* 107 Perylene-d12	264	13.374	13.368	0.006	99	1022285	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.809	14.809	0.000	98	575202	18.9	
109 Dibenz(a,h)anthracene	278	14.833	14.839	-0.006	96	140409	4.47	
110 Benzo[g,h,i]perylene	276	15.157	15.156	0.000	97	548510	20.6	

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:16:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9	Worklist Smp#:	22
Client ID:	SB-6 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

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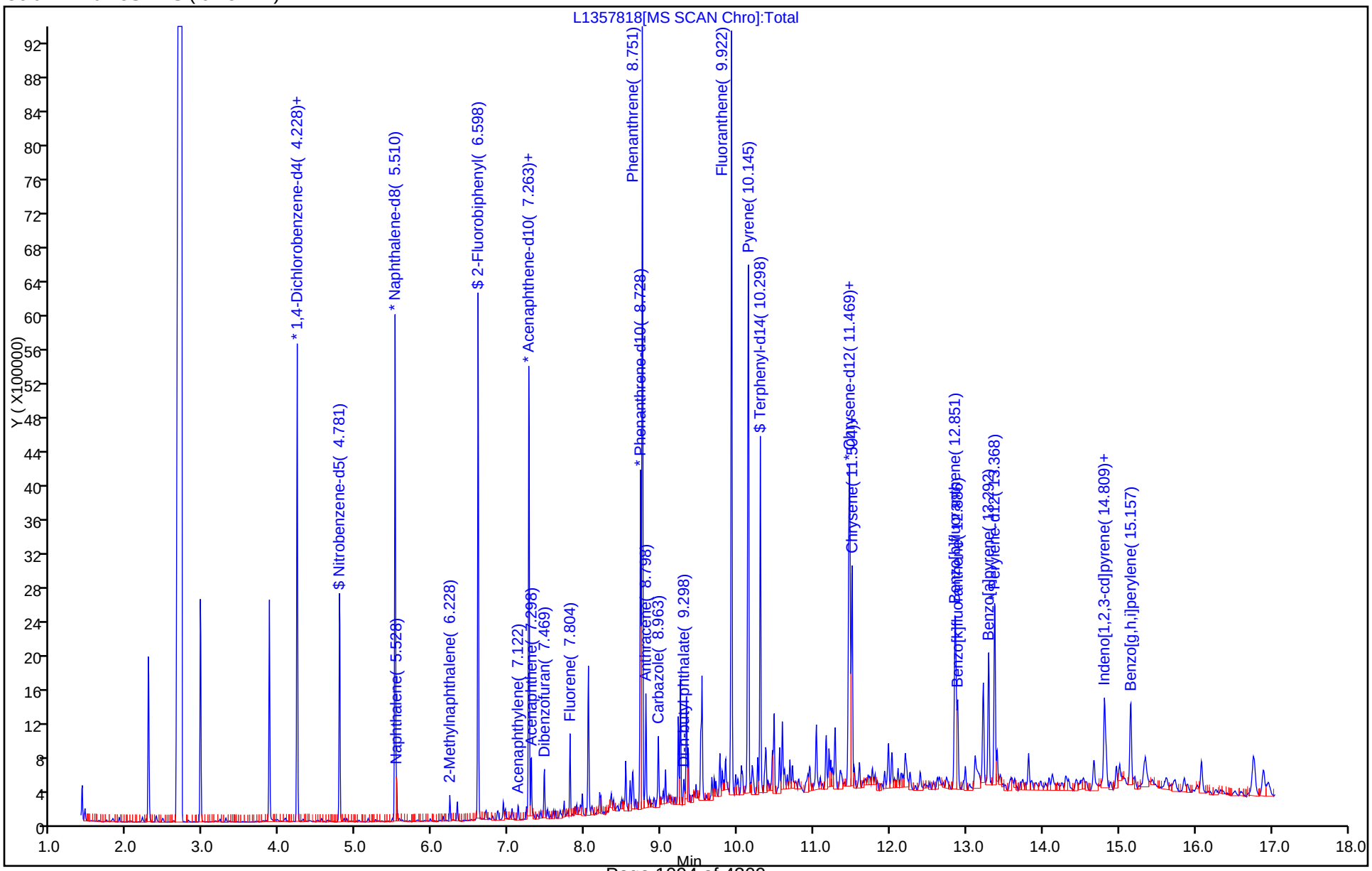


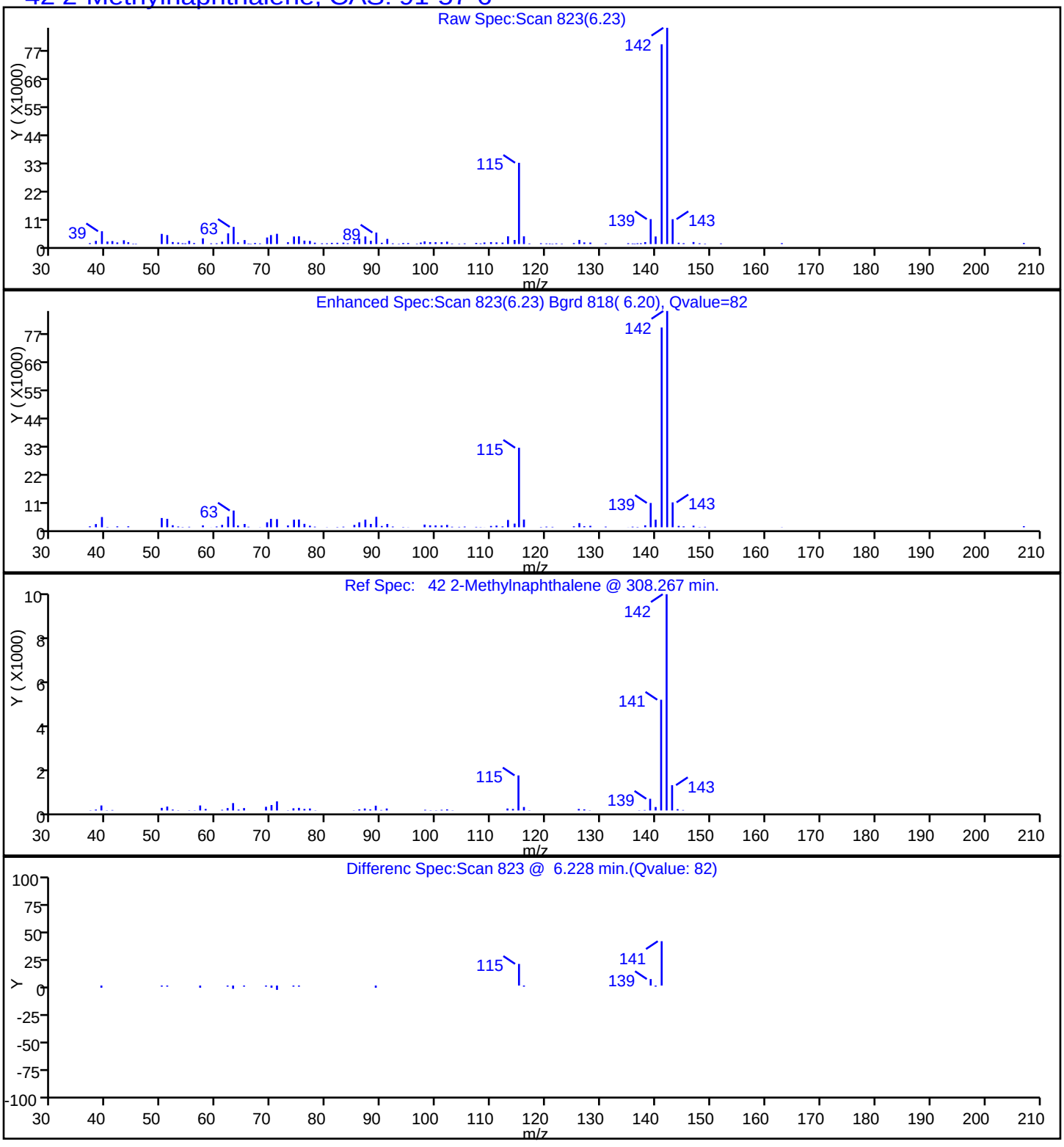
Report Date: 24-Aug-2016 11:16:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



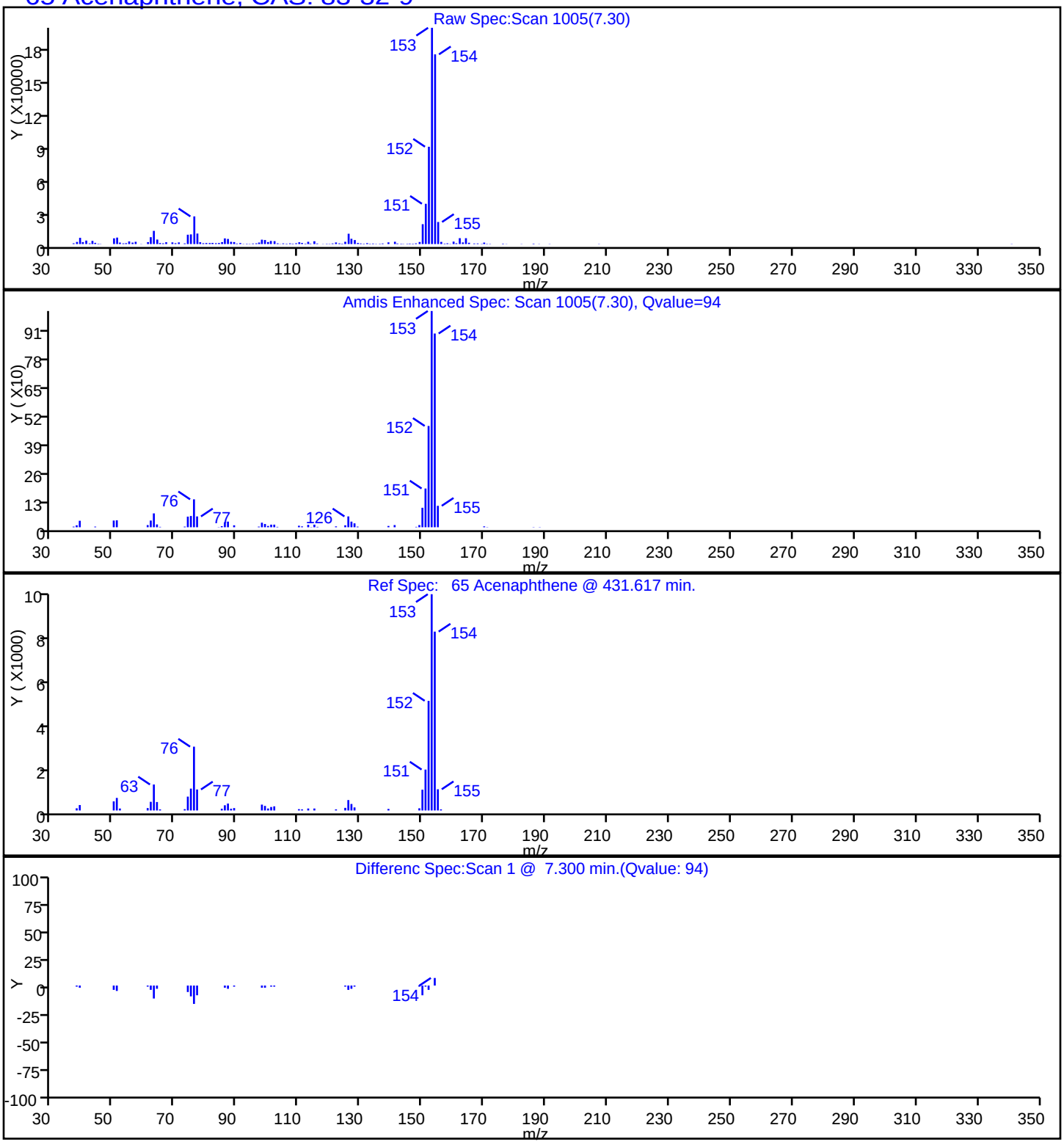
Report Date: 24-Aug-2016 11:16:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9



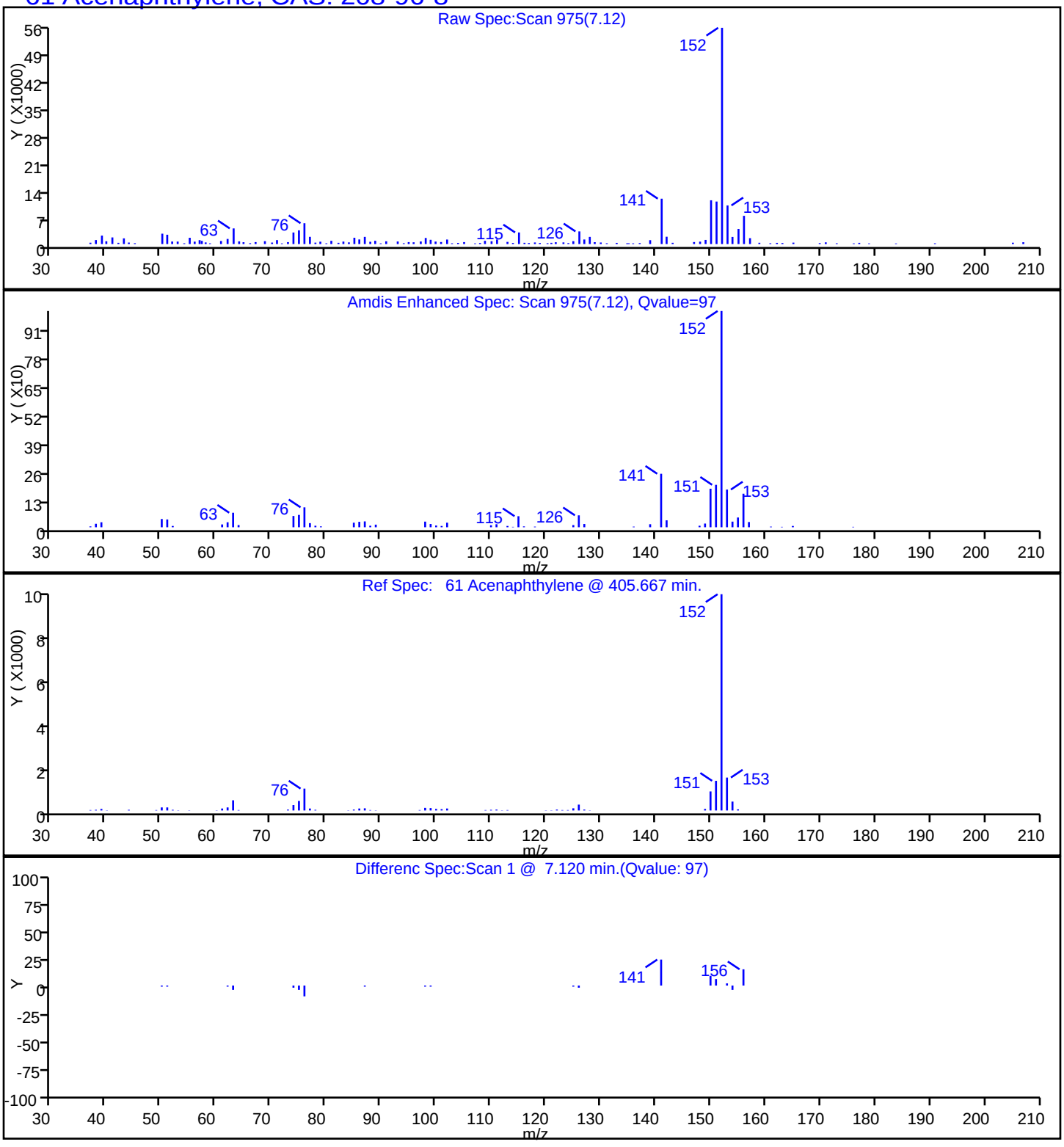
Report Date: 24-Aug-2016 11:16:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8



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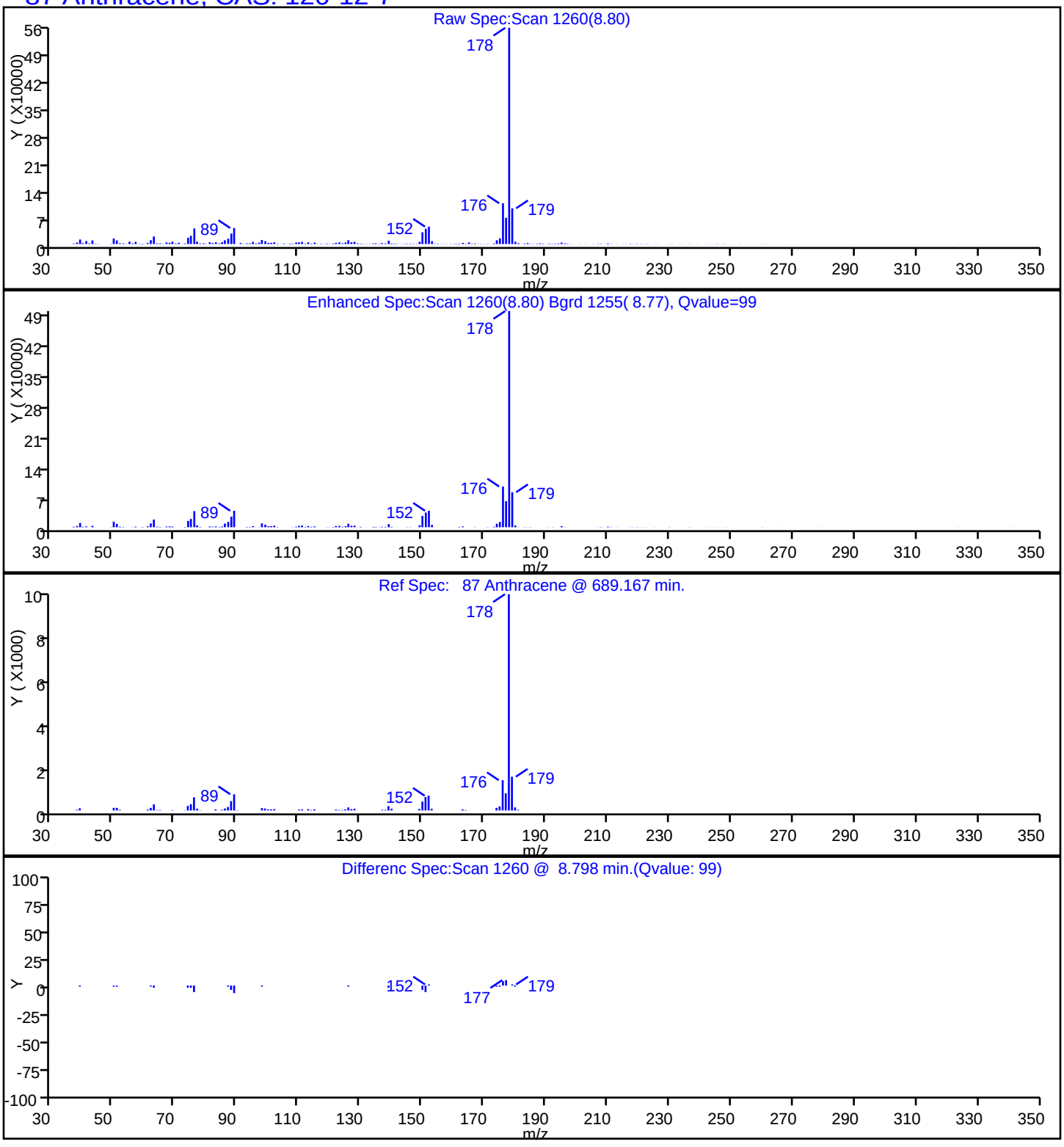
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

87 Anthracene, CAS: 120-12-7



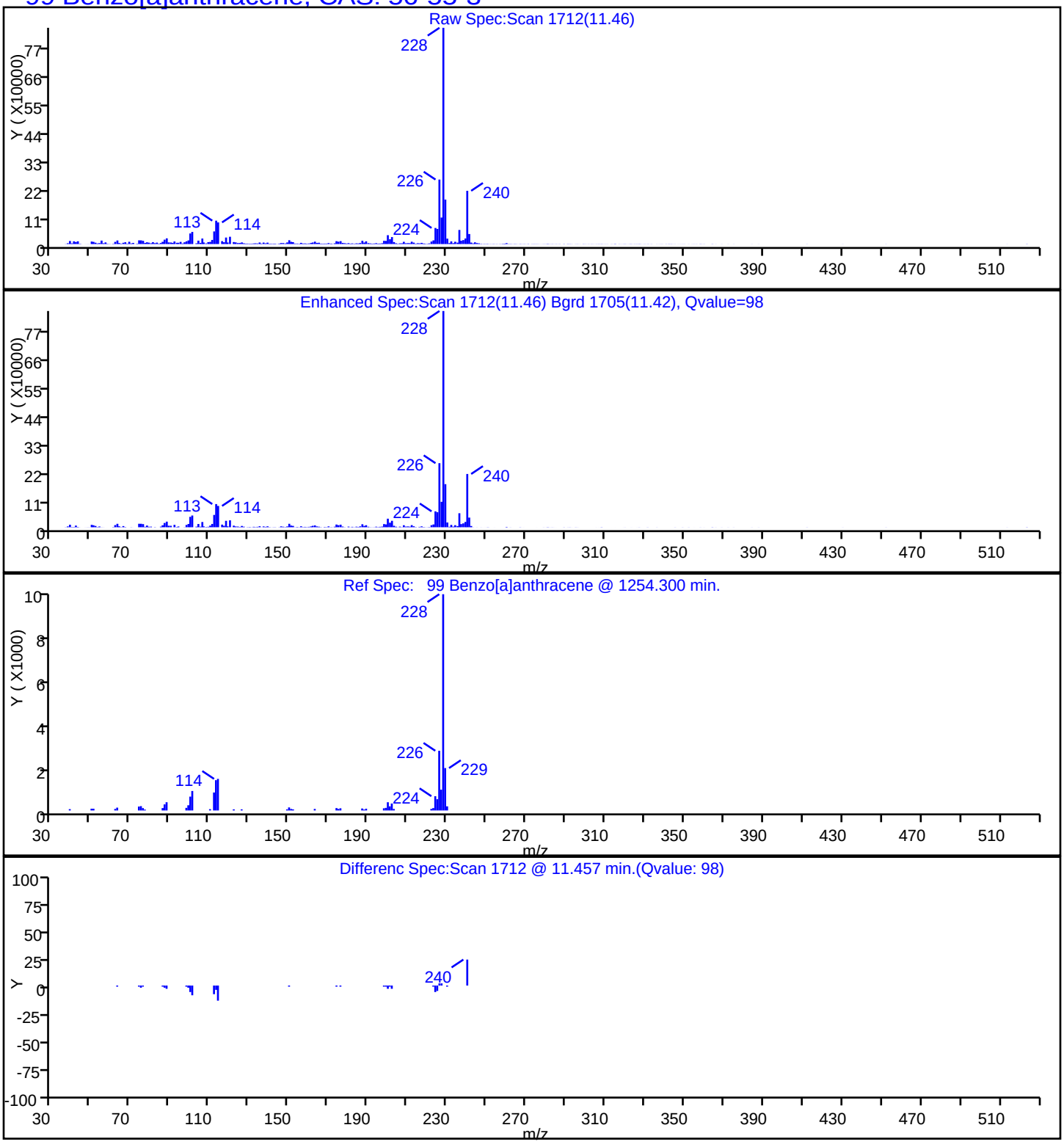
Report Date: 24-Aug-2016 11:16:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



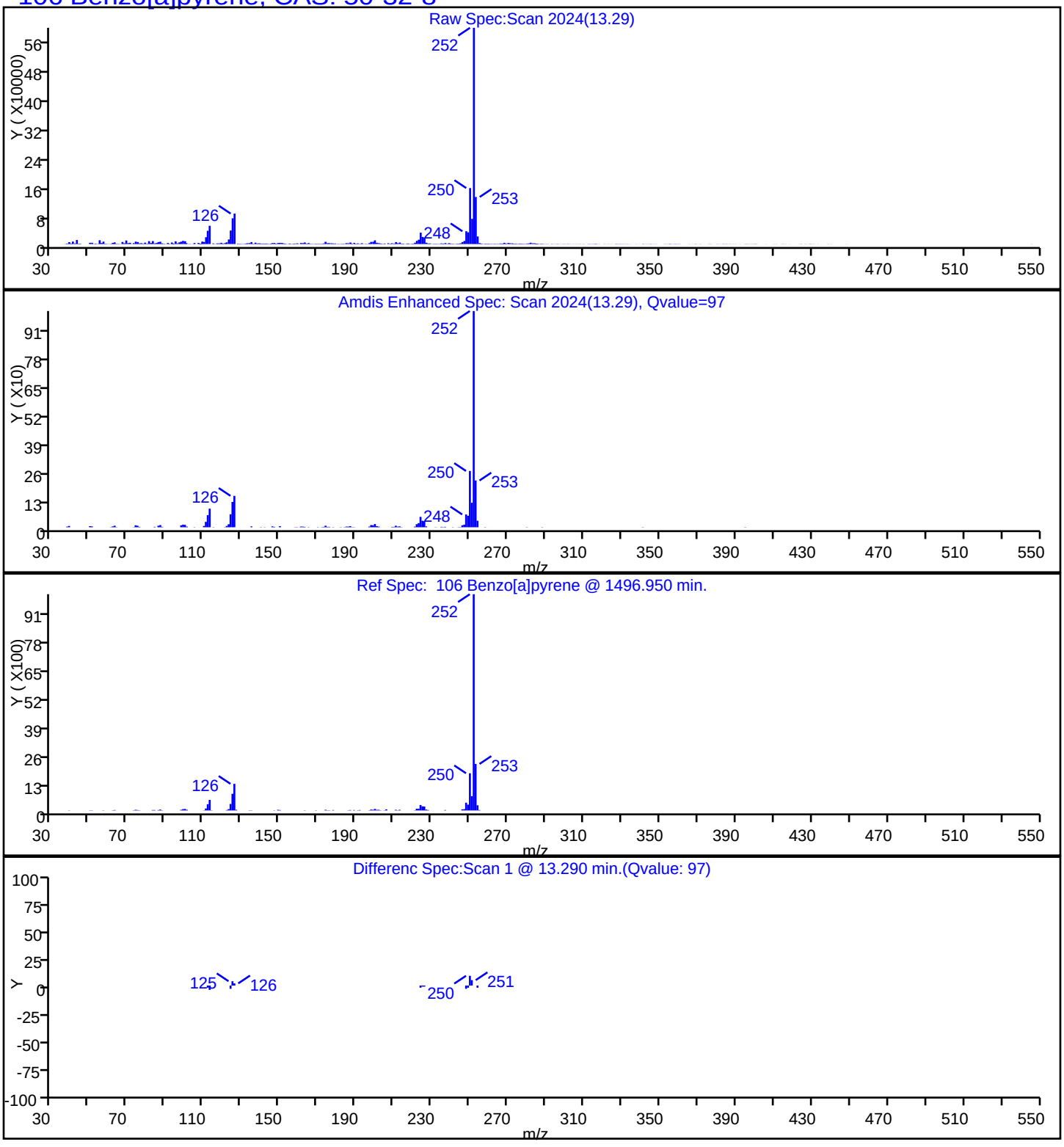
Report Date: 24-Aug-2016 11:16:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



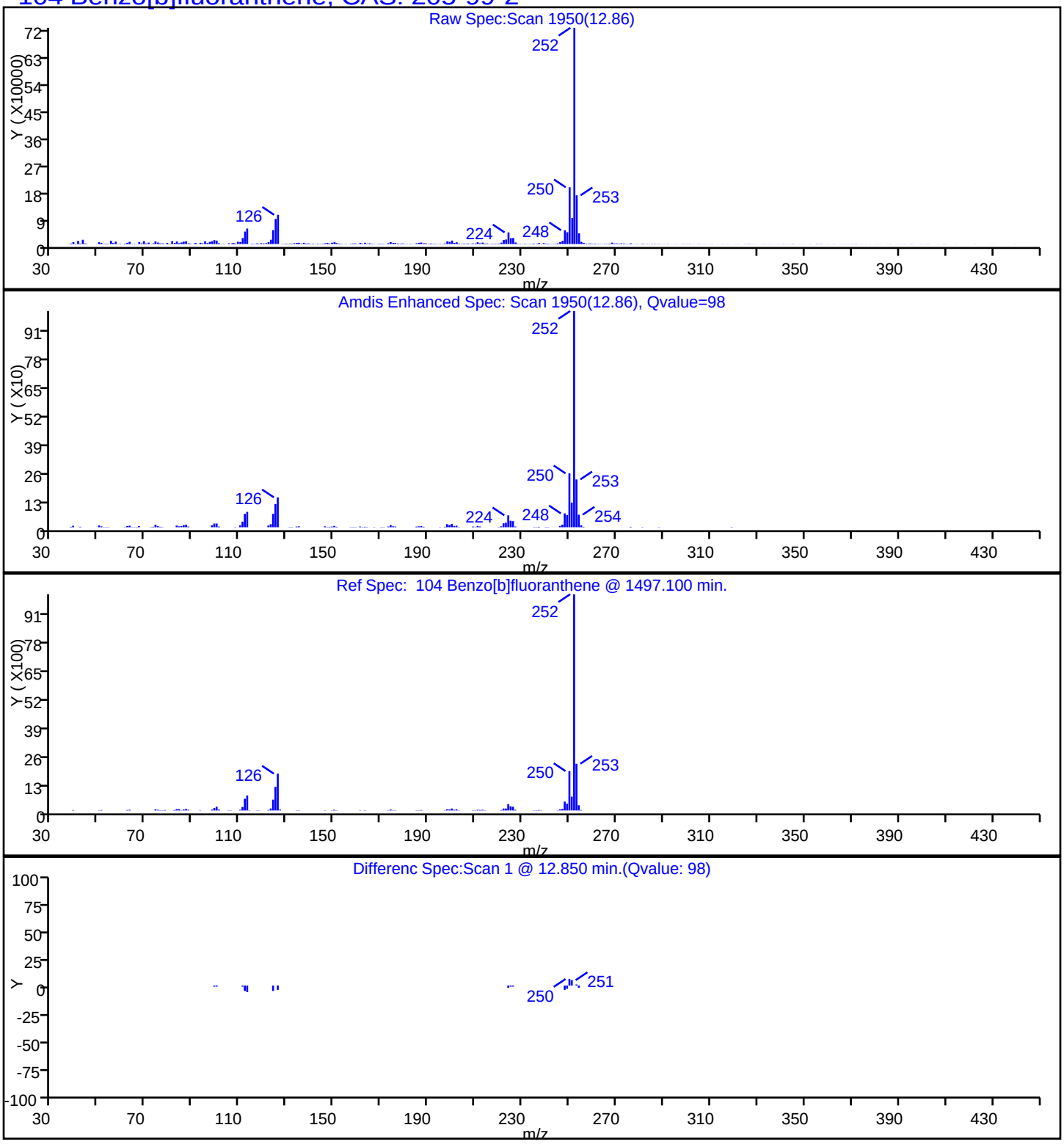
Report Date: 24-Aug-2016 11:16:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 11:16:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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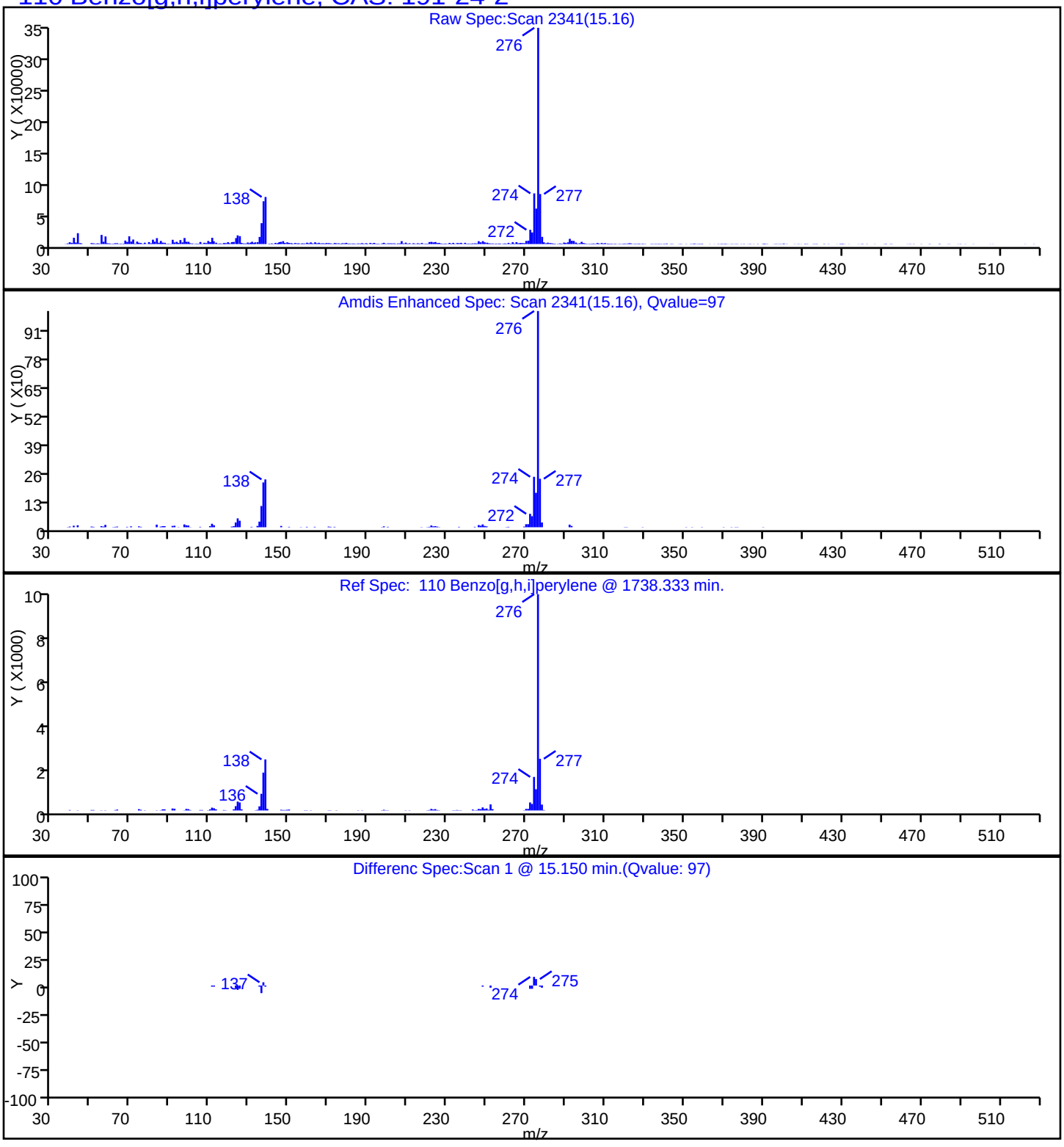
Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 11:16:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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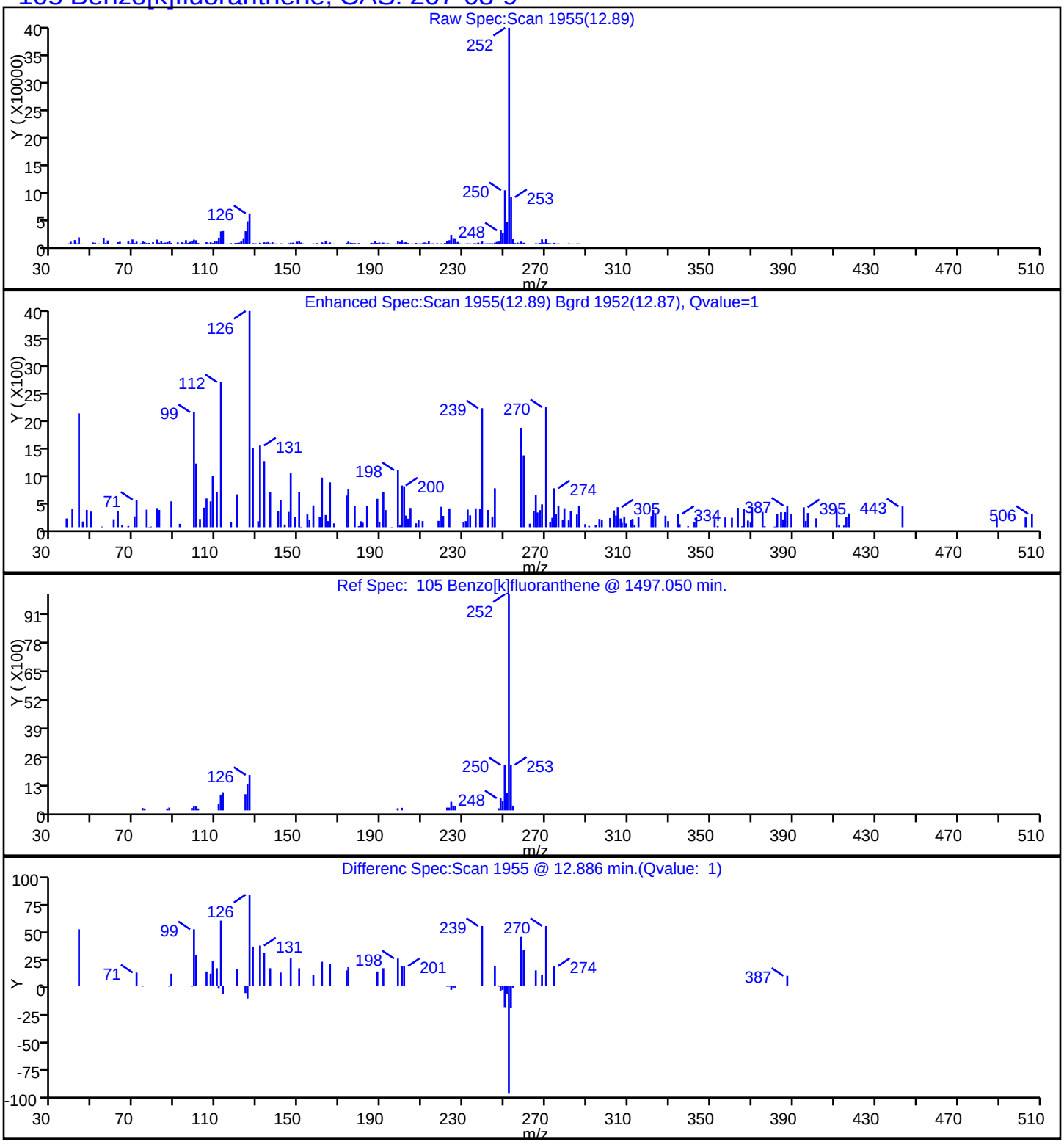
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 11:16:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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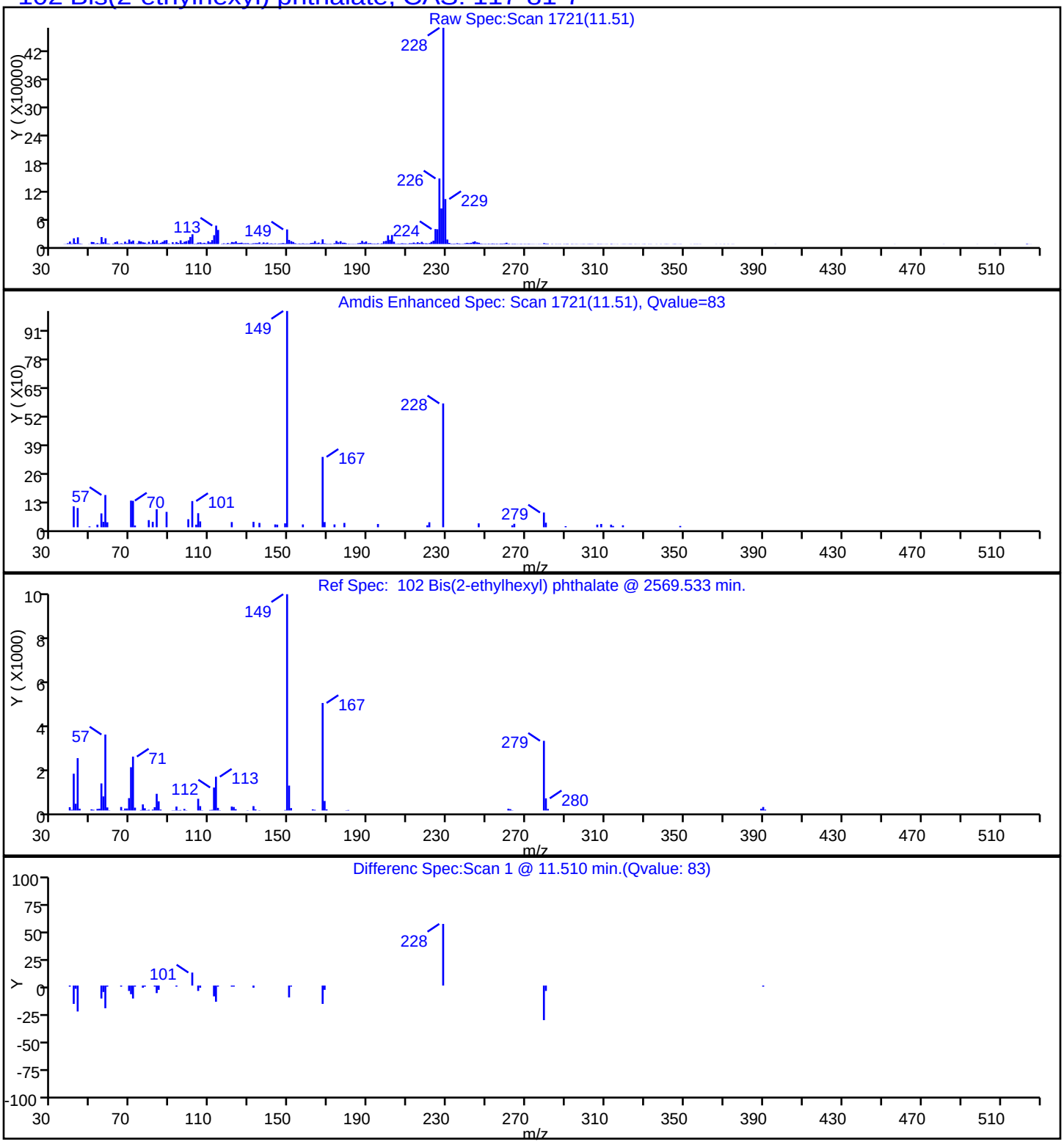
Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



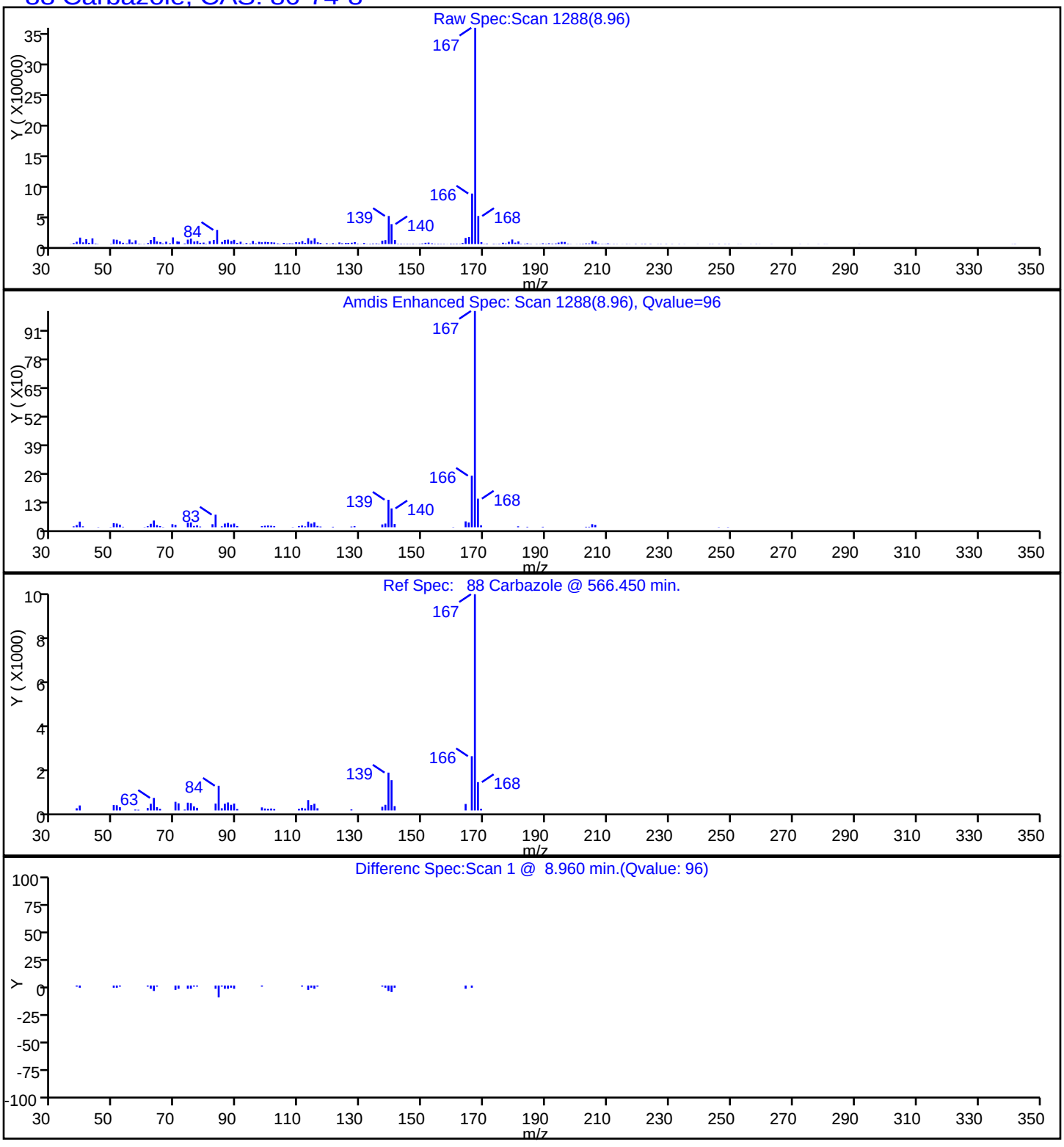
Report Date: 24-Aug-2016 11:16:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Carbazole, CAS: 86-74-8



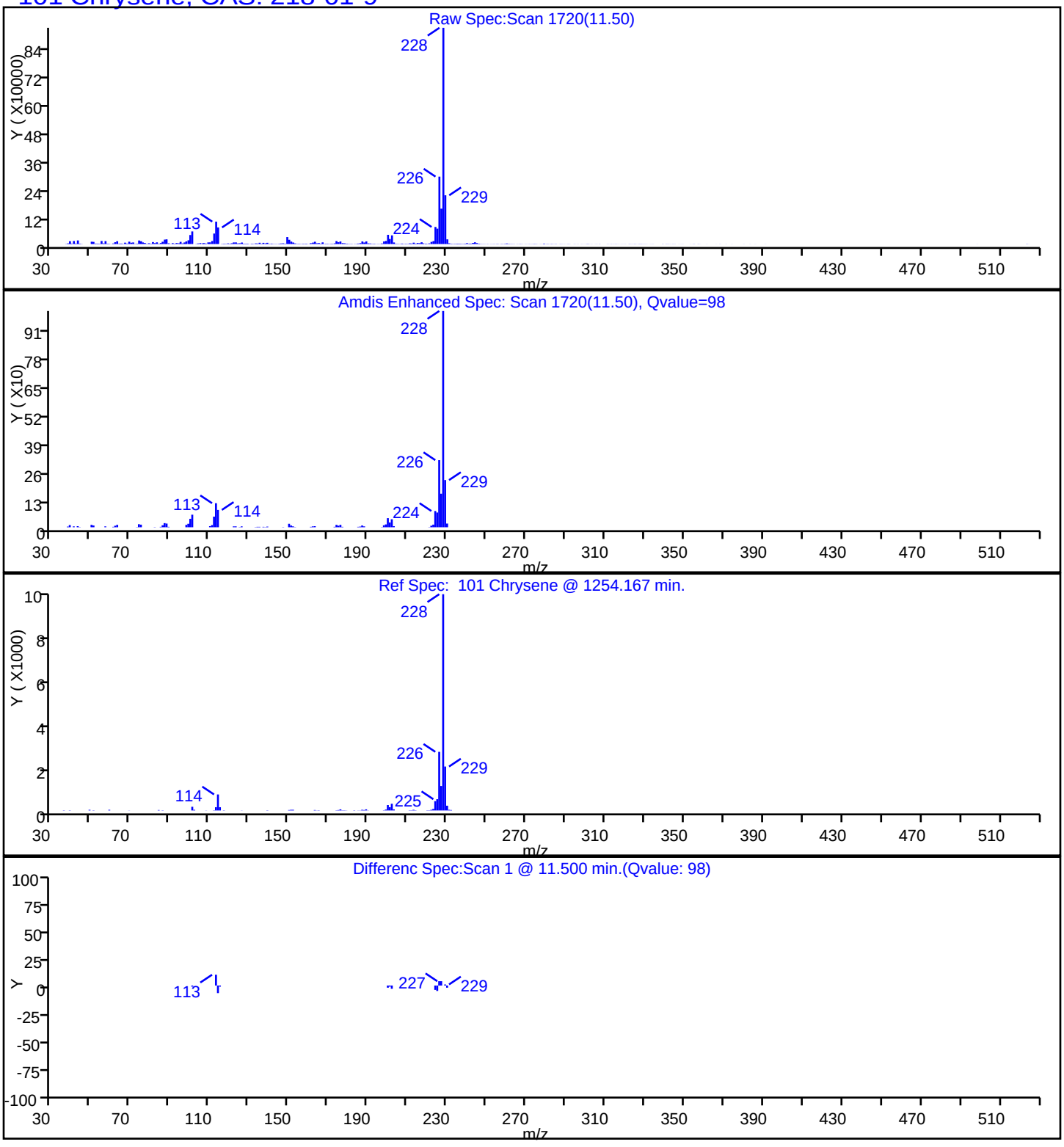
Report Date: 24-Aug-2016 11:16:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9

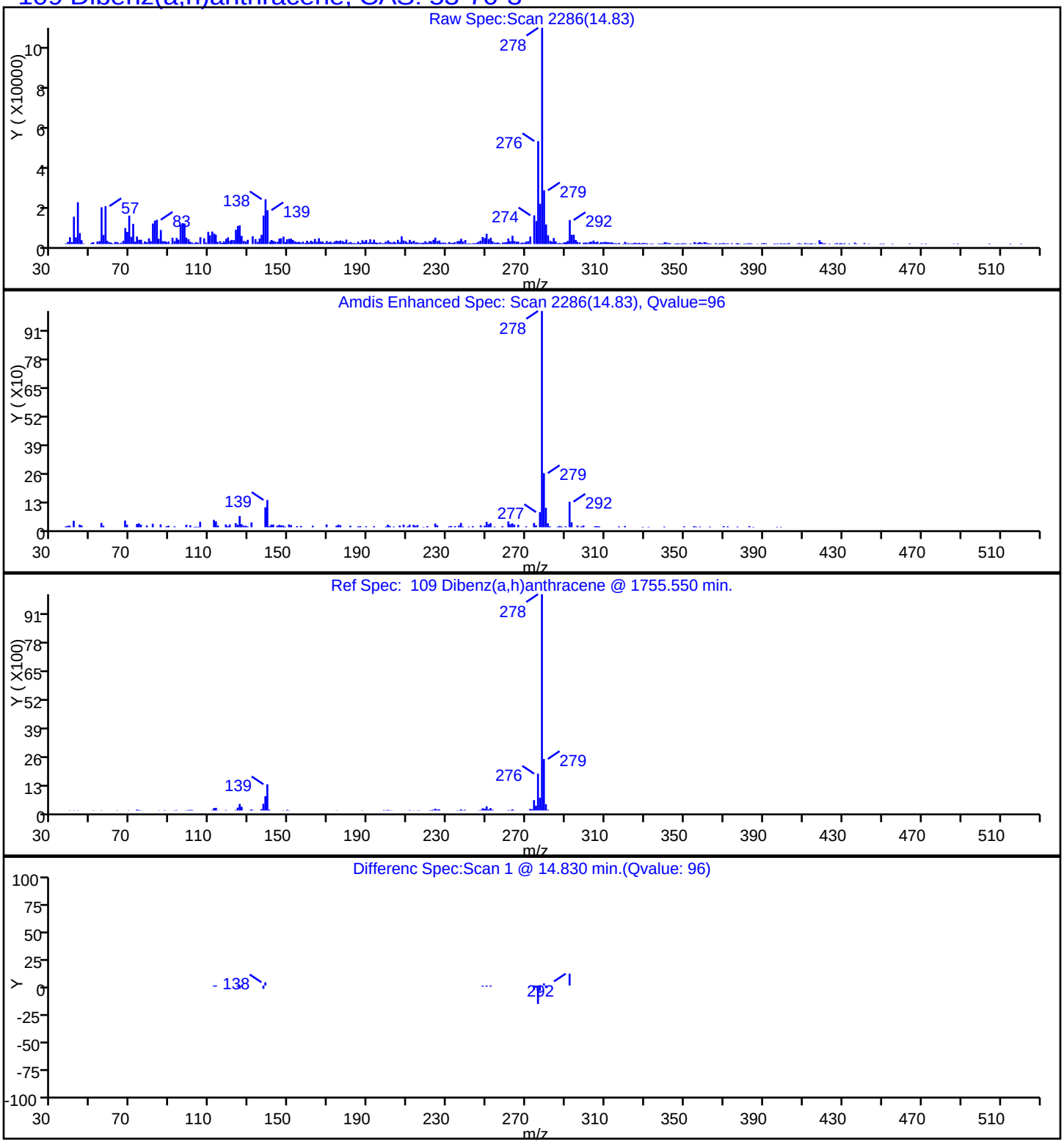


Report Date: 24-Aug-2016 11:16:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D				
Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3

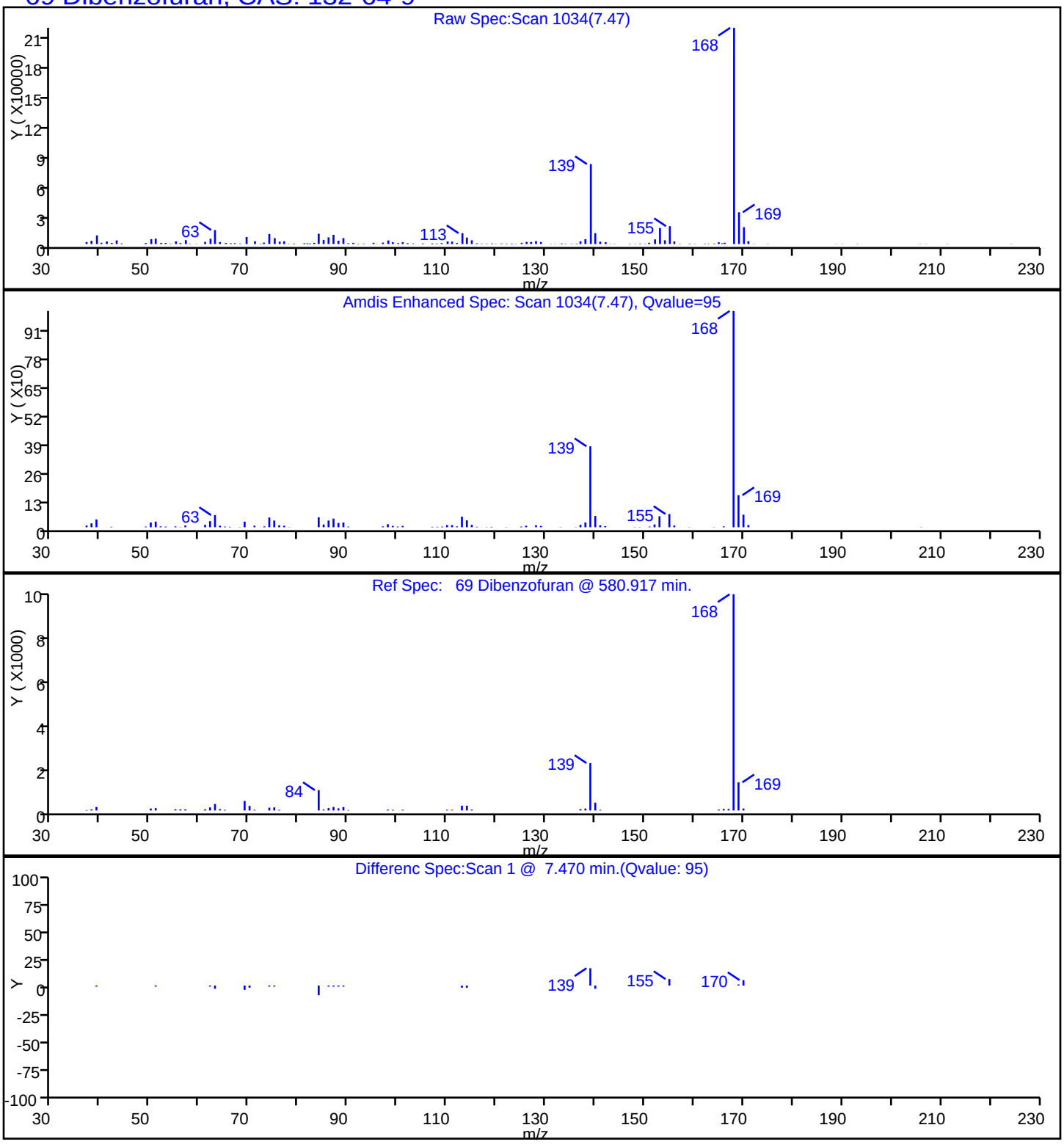


Report Date: 24-Aug-2016 11:16:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D				
Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 Dibenzofuran, CAS: 132-64-9



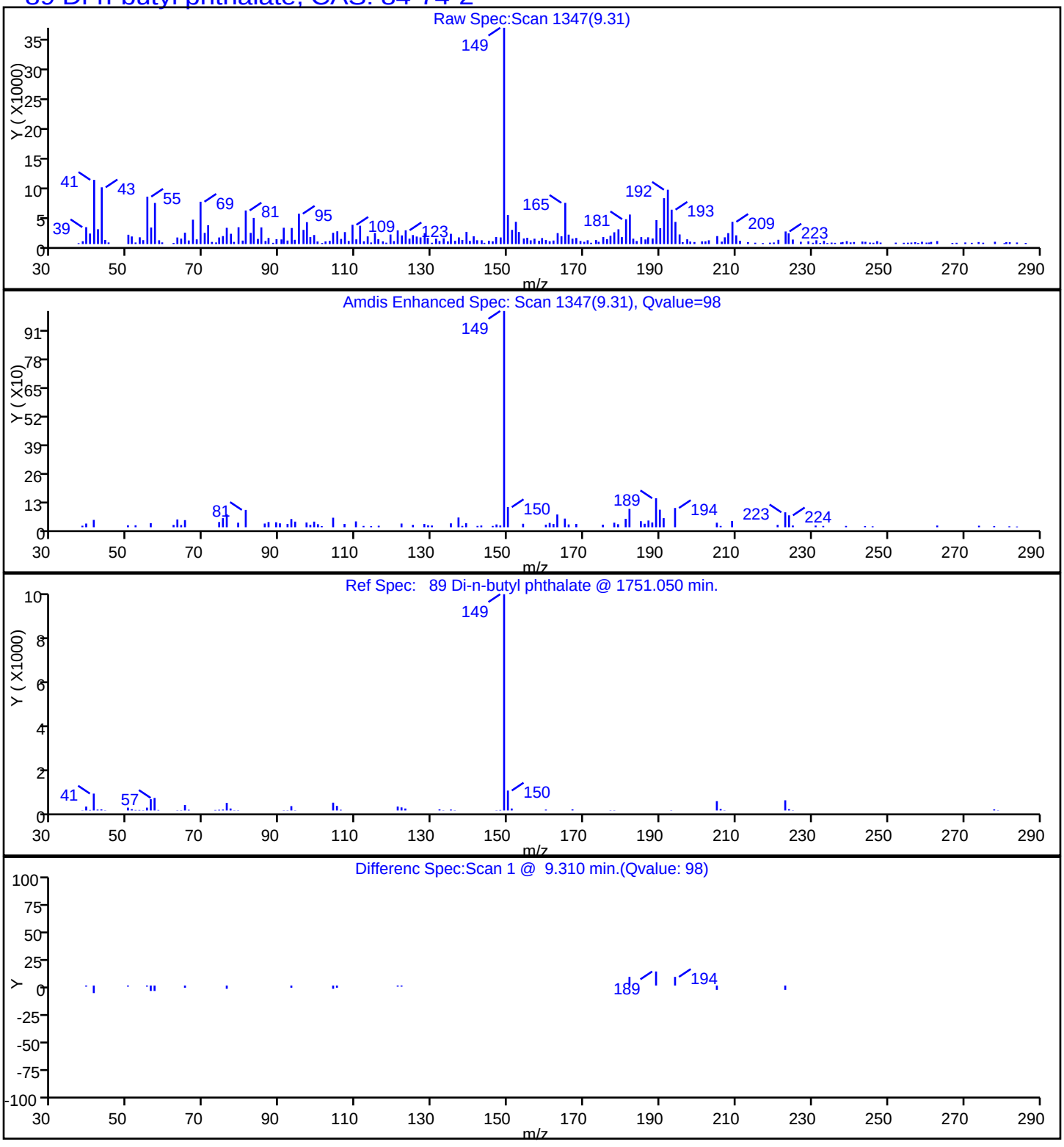
Report Date: 24-Aug-2016 11:16:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



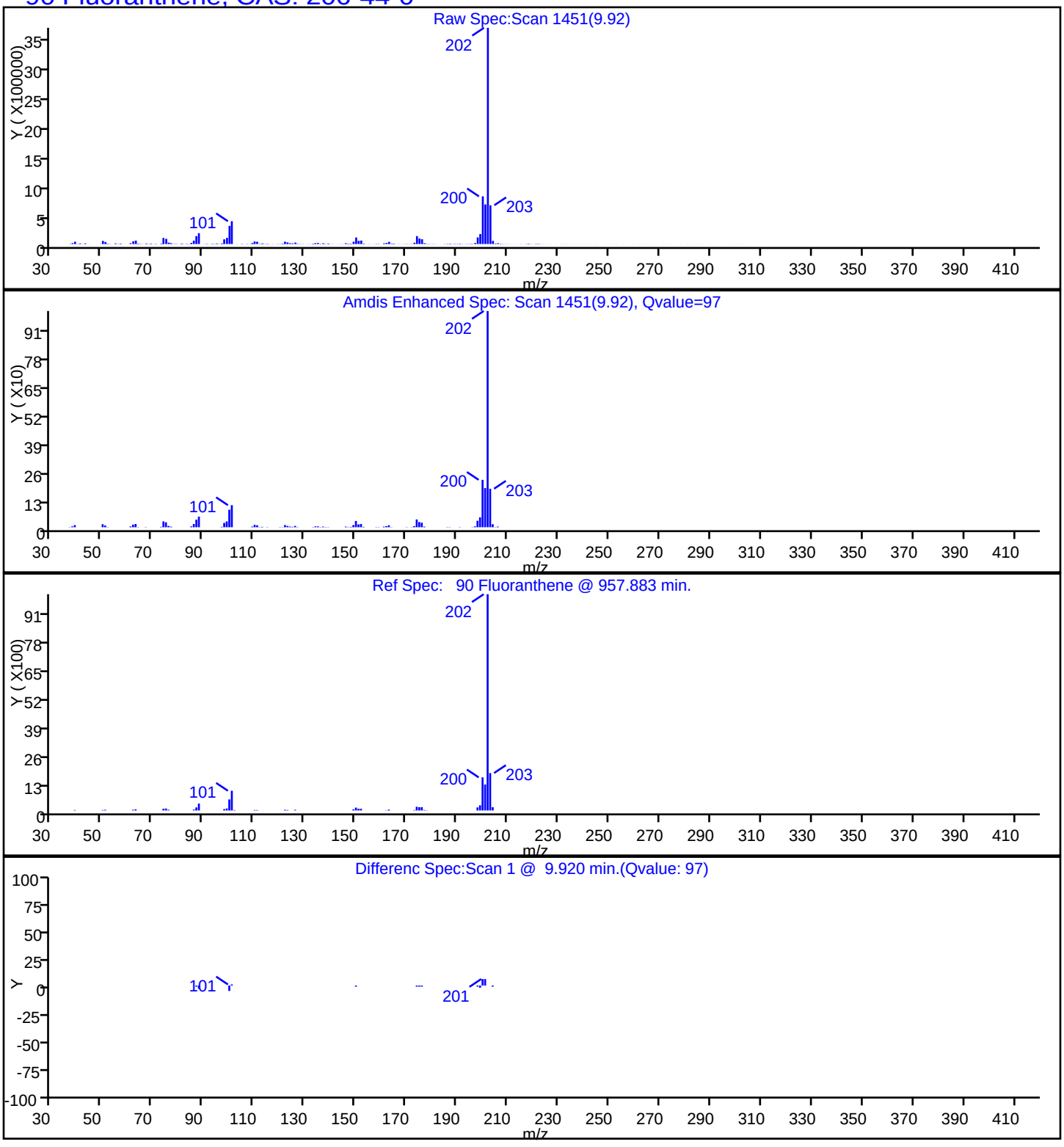
Report Date: 24-Aug-2016 11:16:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



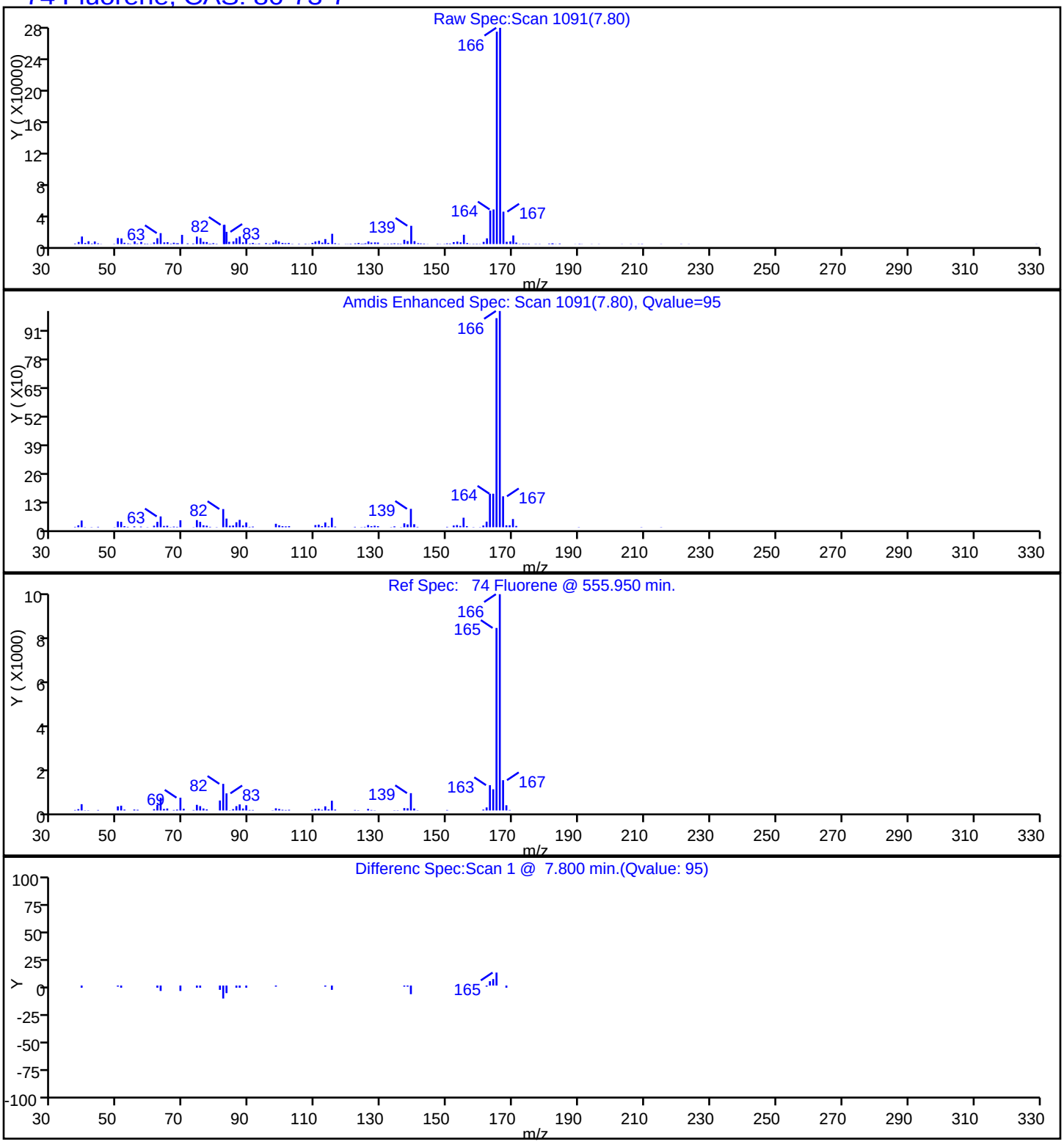
Report Date: 24-Aug-2016 11:16:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7

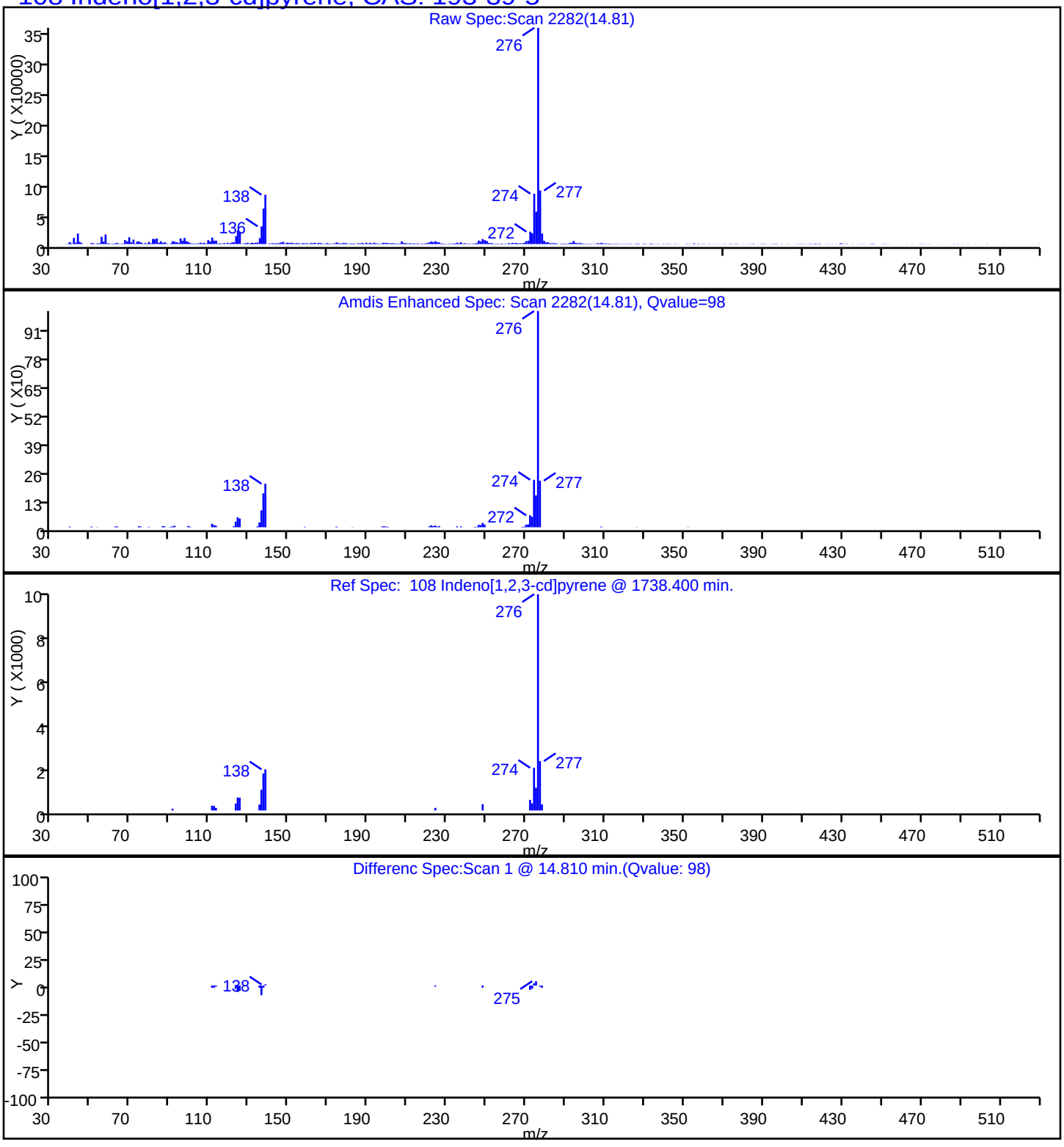


Report Date: 24-Aug-2016 11:16:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D				
Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



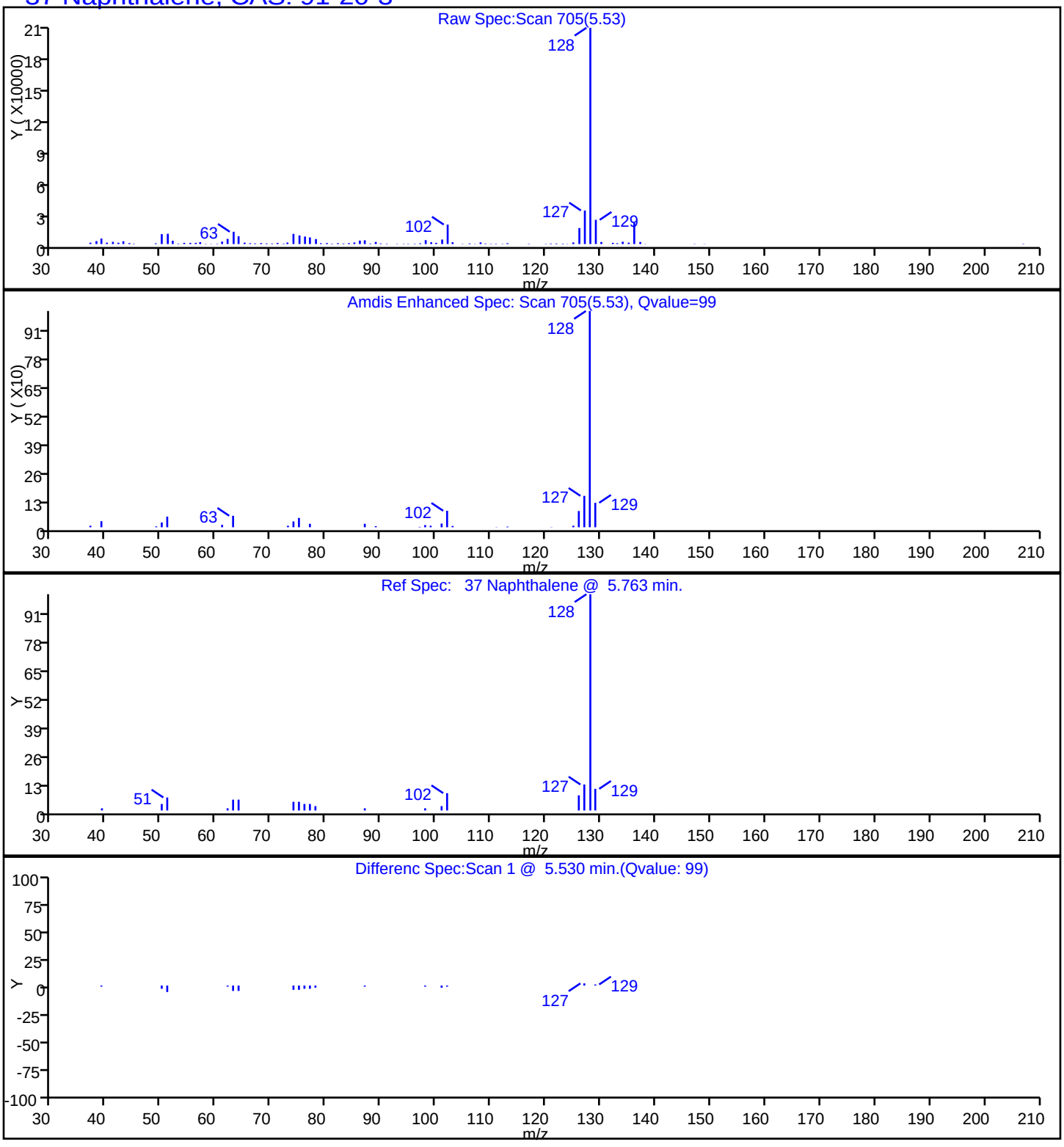
Report Date: 24-Aug-2016 11:16:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3



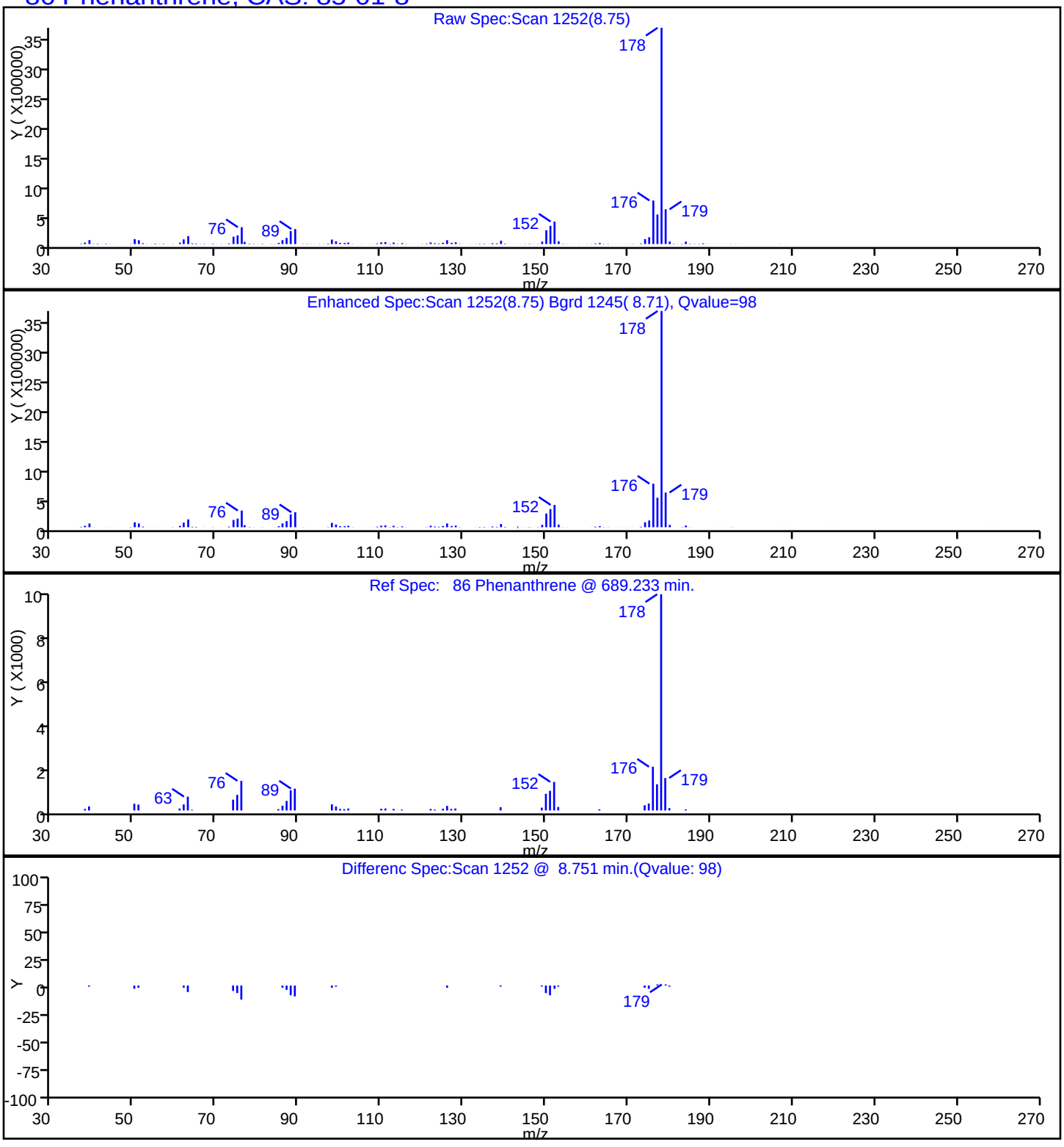
Report Date: 24-Aug-2016 11:16:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D

Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8

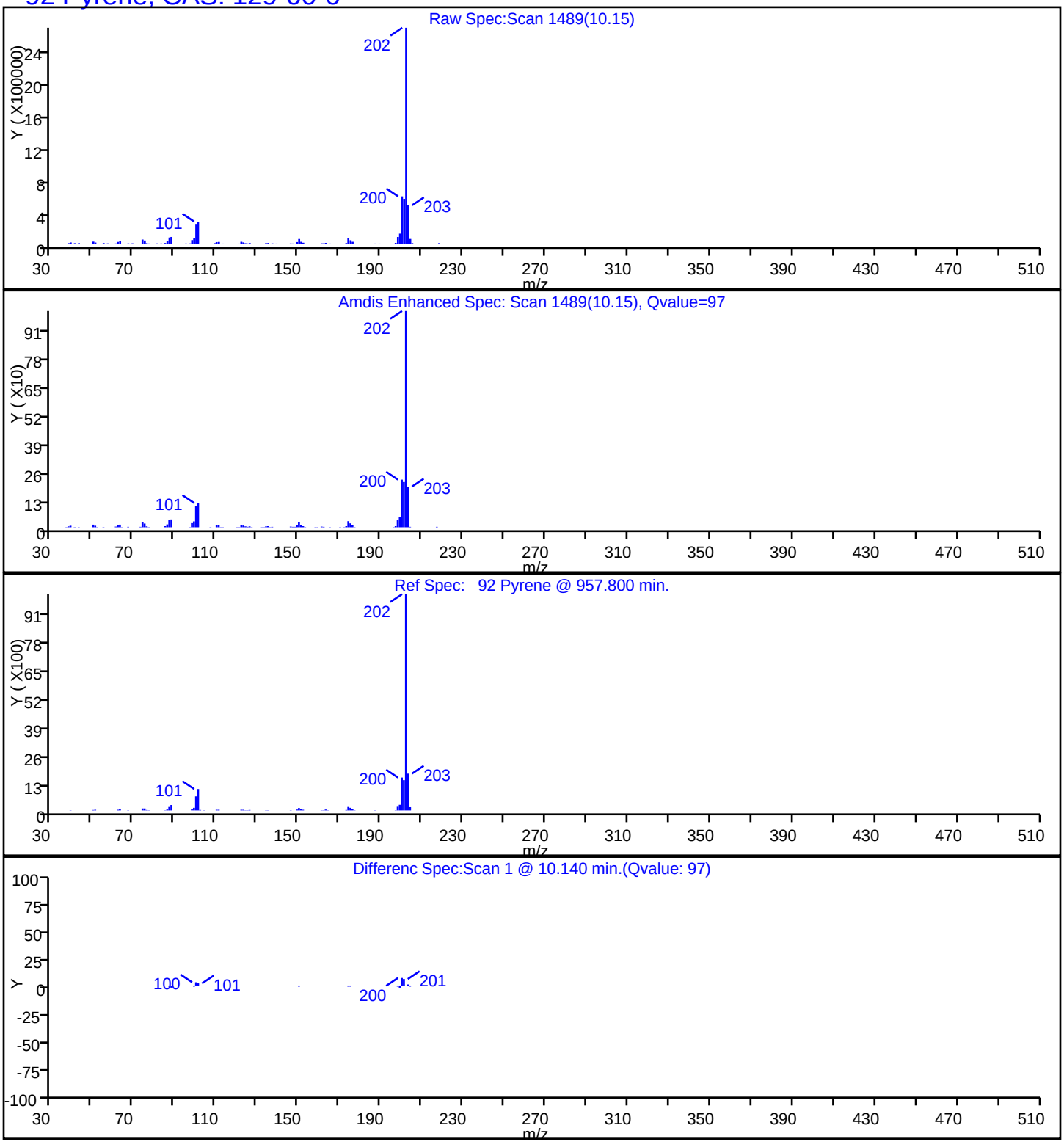


Report Date: 24-Aug-2016 11:16:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357818.D				
Injection Date:	23-Aug-2016 16:05:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-9-A	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (13-15) 08182016 | Lab Sample ID: 460-118857-10

Matrix: Solid | Lab File ID: L1357808.D

Analysis Method: 8270D | Date Collected: 08/18/2016 12:55

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0228(g) | Date Analyzed: 08/23/2016 12:00

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 4.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	34	U	34	7.6
95-50-1	1,2-Dichlorobenzene	340	U	340	12
541-73-1	1,3-Dichlorobenzene	340	U	340	27
106-46-7	1,4-Dichlorobenzene	340	U	340	27
108-60-1	2,2'-oxybis[1-chloropropane]	340	U	340	14
121-14-2	2,4-Dinitrotoluene	70	U	70	14
606-20-2	2,6-Dinitrotoluene	70	U	70	18
91-58-7	2-Chloronaphthalene	340	U	340	7.8
91-57-6	2-Methylnaphthalene	340	U	340	7.6
88-74-4	2-Nitroaniline	340	U	340	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	38
99-09-2	3-Nitroaniline	340	U	340	10
101-55-3	4-Bromophenyl phenyl ether	340	U	340	11
106-47-8	4-Chloroaniline	340	U	340	8.8
7005-72-3	4-Chlorophenyl phenyl ether	340	U	340	10
100-01-6	4-Nitroaniline	340	U	340	13
83-32-9	Acenaphthene	340	U	340	8.3
208-96-8	Acenaphthylene	340	U	340	8.8
120-12-7	Anthracene	340	U	340	33
56-55-3	Benzo[a]anthracene	29	J	34	29
50-32-8	Benzo[a]pyrene	19	J	34	10
205-99-2	Benzo[b]fluoranthene	37		34	13
191-24-2	Benzo[g,h,i]perylene	340	U	340	20
207-08-9	Benzo[k]fluoranthene	16	J	34	15
111-91-1	Bis(2-chloroethoxy)methane	340	U	340	11
111-44-4	Bis(2-chloroethyl)ether	34	U	34	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	22	J	340	13
85-68-7	Butyl benzyl phthalate	340	U	340	11
86-74-8	Carbazole	340	U	340	8.5
218-01-9	Chrysene	33	J	340	9.4
53-70-3	Dibenz(a,h)anthracene	34	U	34	18
132-64-9	Dibenzofuran	340	U	340	10
84-66-2	Diethyl phthalate	340	U	340	9.8
131-11-3	Dimethyl phthalate	340	U	340	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (13-15) 08182016 | Lab Sample ID: 460-118857-10

Matrix: Solid | Lab File ID: L1357808.D

Analysis Method: 8270D | Date Collected: 08/18/2016 12:55

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0228(g) | Date Analyzed: 08/23/2016 12:00

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 4.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	17	J	340	10
117-84-0	Di-n-octyl phthalate	340	U	340	17
206-44-0	Fluoranthene	40	J	340	10
86-73-7	Fluorene	340	U	340	7.5
118-74-1	Hexachlorobenzene	34	U	34	14
87-68-3	Hexachlorobutadiene	70	U	70	9.7
77-47-4	Hexachlorocyclopentadiene	340	U	340	21
67-72-1	Hexachloroethane	34	U	34	13
193-39-5	Indeno[1,2,3-cd]pyrene	34	U	34	23
78-59-1	Isophorone	140	U	140	7.4
91-20-3	Naphthalene	340	U	340	8.7
98-95-3	Nitrobenzene	34	U	34	11
621-64-7	N-Nitrosodi-n-propylamine	34	U	34	12
86-30-6	N-Nitrosodiphenylamine	340	U	340	31
85-01-8	Phenanthrene	25	J	340	9.2
129-00-0	Pyrene	36	J	340	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	90		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	81		37-94
1718-51-0	Terphenyl-d14 (Surr)	89		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D
Lims ID: 460-118857-F-10-A
Client ID: SB-6 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 12:00:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-012
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 14:39:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.234	4.228	0.006	95	818484	40.0	
$ 26 Nitrobenzene-d5	82	4.786	4.792	-0.006	88	975995	40.6	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2746388	40.0	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	97	2333101	44.8	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1439059	40.0	
* 85 Phenanthrene-d10	188	8.727	8.728	-0.001	98	1985993	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	95	19924	0.3572	
87 Anthracene	178	8.798	8.804	-0.006	52	4222	0.0731	7
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	99	14154	0.2402	
90 Fluoranthene	202	9.916	9.916	0.000	97	32833	0.5819	
92 Pyrene	202	10.139	10.139	0.000	97	24934	0.5188	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1592561	44.4	
99 Benzo[a]anthracene	228	11.451	11.457	-0.006	46	16867	0.4184	
* 100 Chrysene-d12	240	11.463	11.469	-0.007	99	1343556	40.0	
101 Chrysene	228	11.492	11.498	-0.006	55	17927	0.4721	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	30	9229	0.3112	
104 Benzo[b]fluoranthene	252	12.851	12.851	0.000	92	16982	0.5262	
105 Benzo[k]fluoranthene	252	12.874	12.886	-0.012	91	7622	0.2252	M
106 Benzo[a]pyrene	252	13.280	13.292	-0.012	91	8549	0.2795	
* 107 Perylene-d12	264	13.368	13.368	0.000	99	1120656	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.803	14.809	-0.006	90	7646	0.2293	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

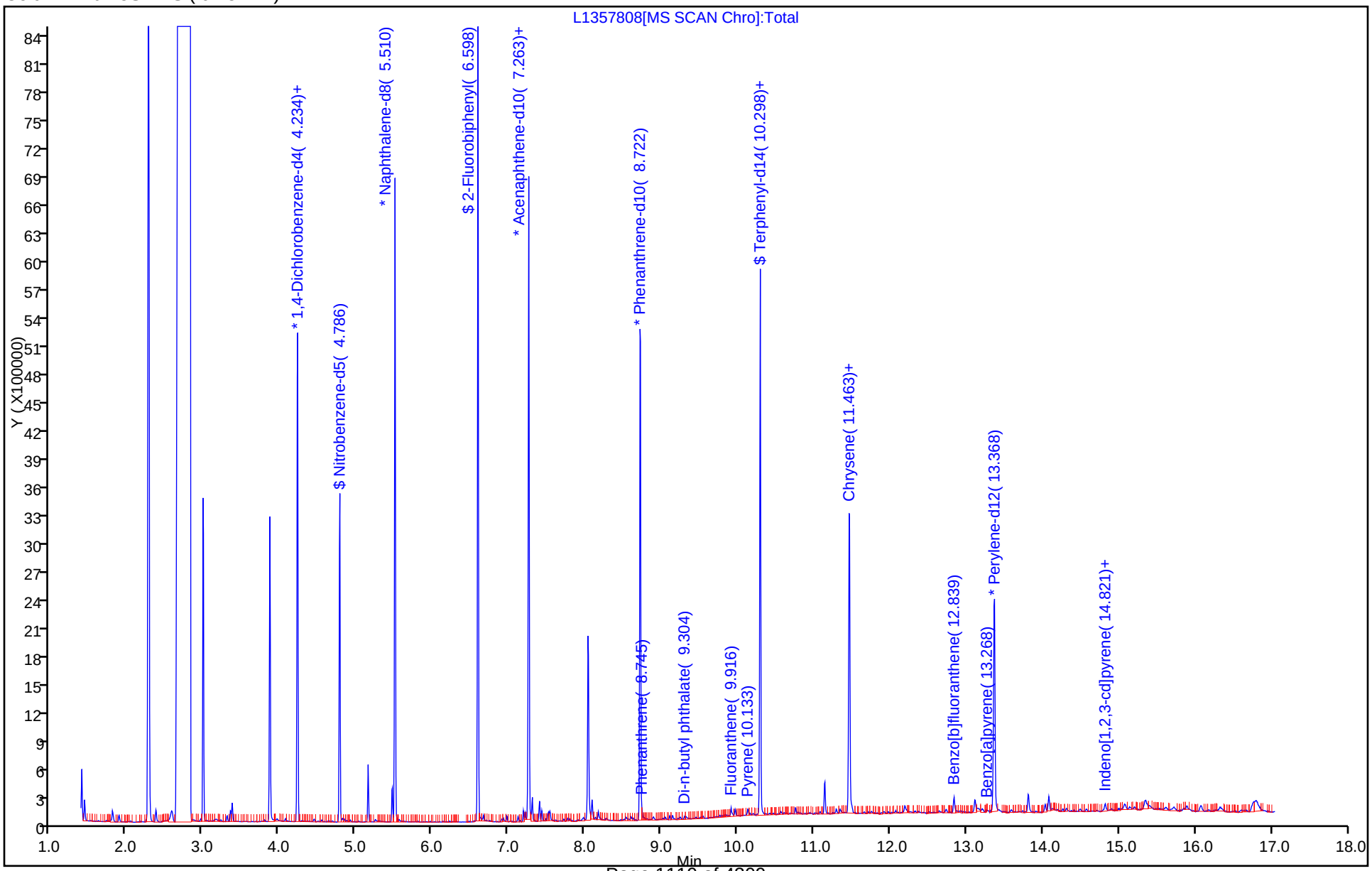
Report Date: 23-Aug-2016 17:01:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10	Worklist Smp#:	12
Client ID:	SB-6 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



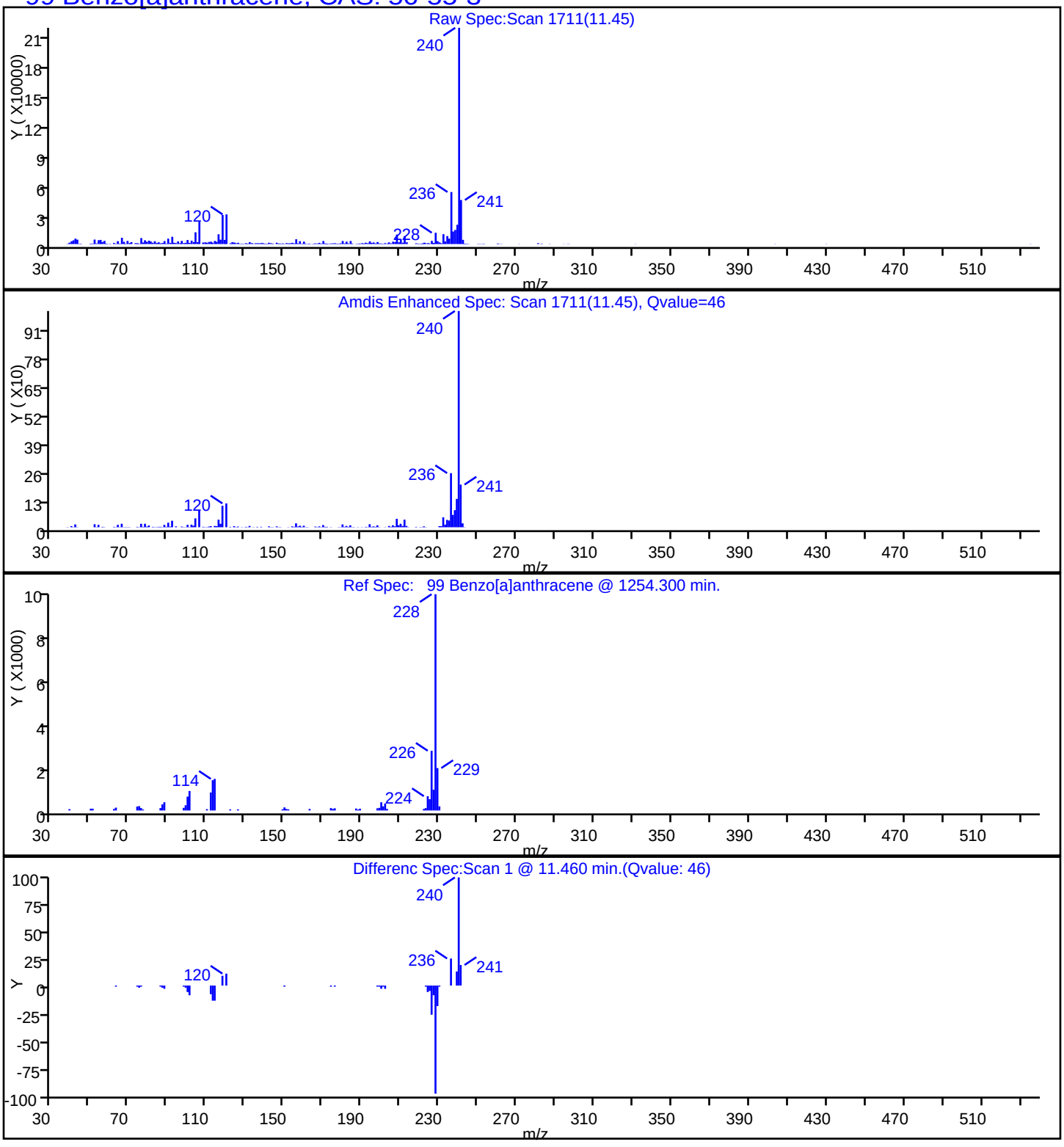
Report Date: 23-Aug-2016 17:01:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



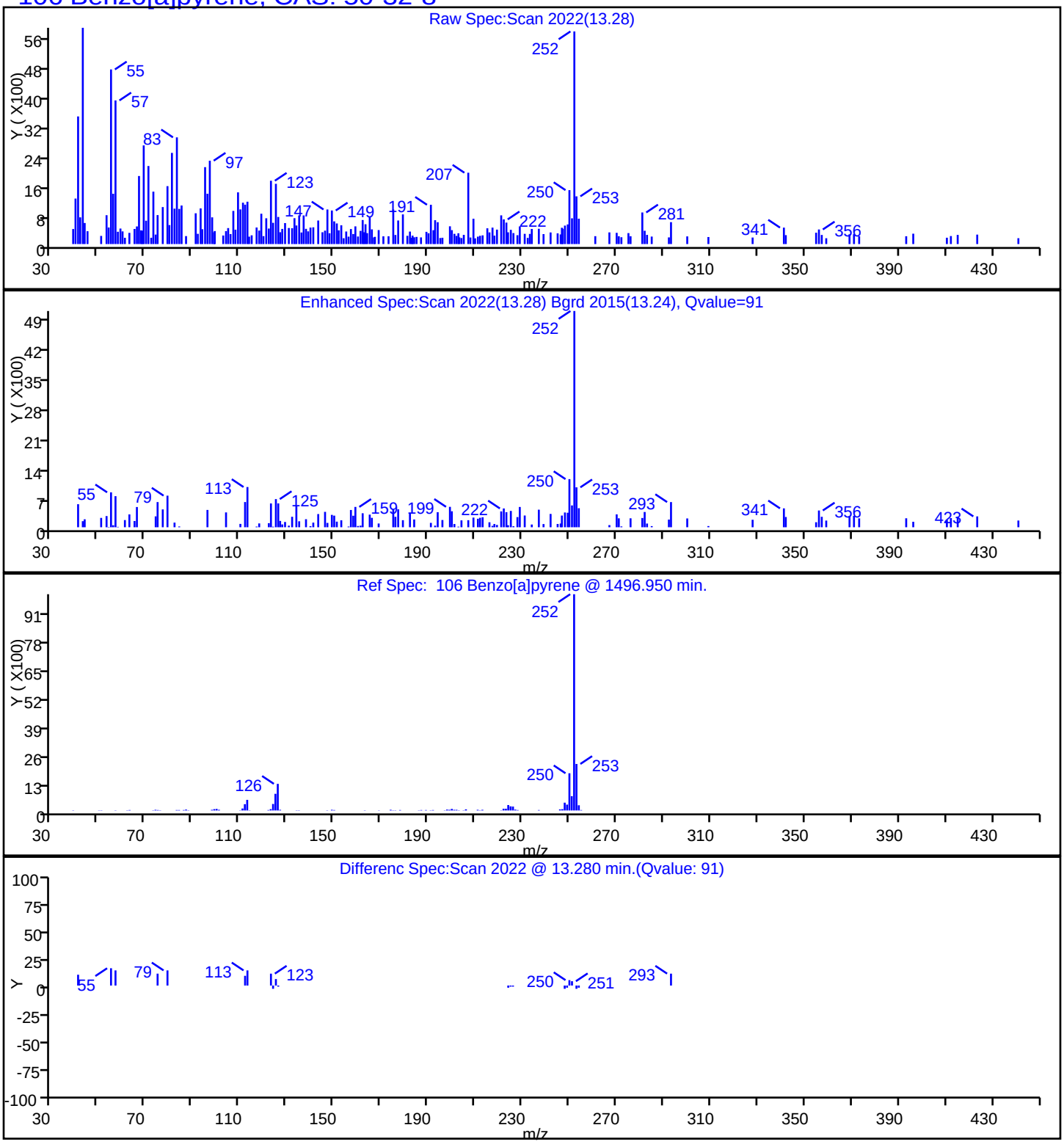
Report Date: 23-Aug-2016 17:01:08 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

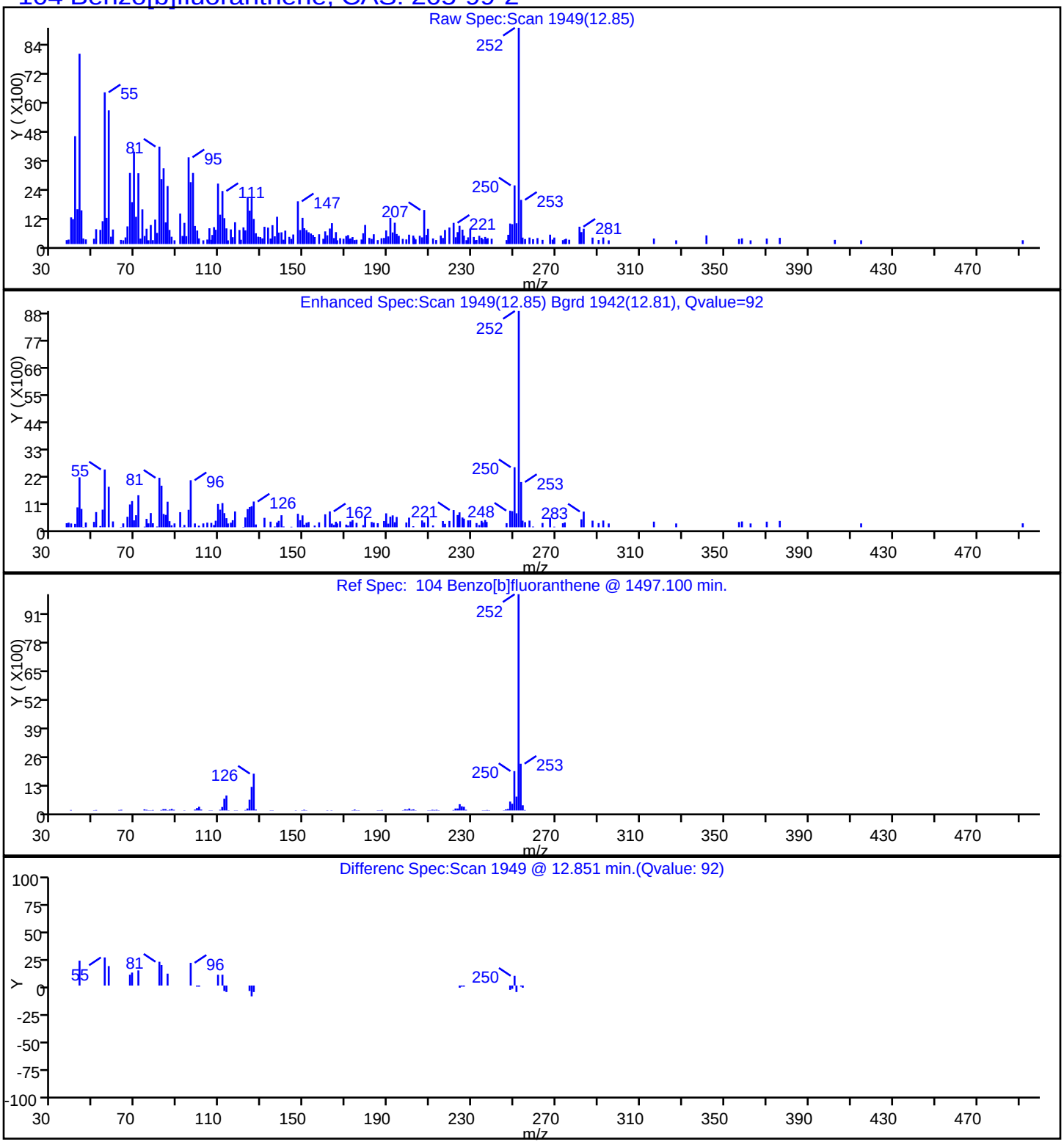


Report Date: 23-Aug-2016 17:01:08 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D				
Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

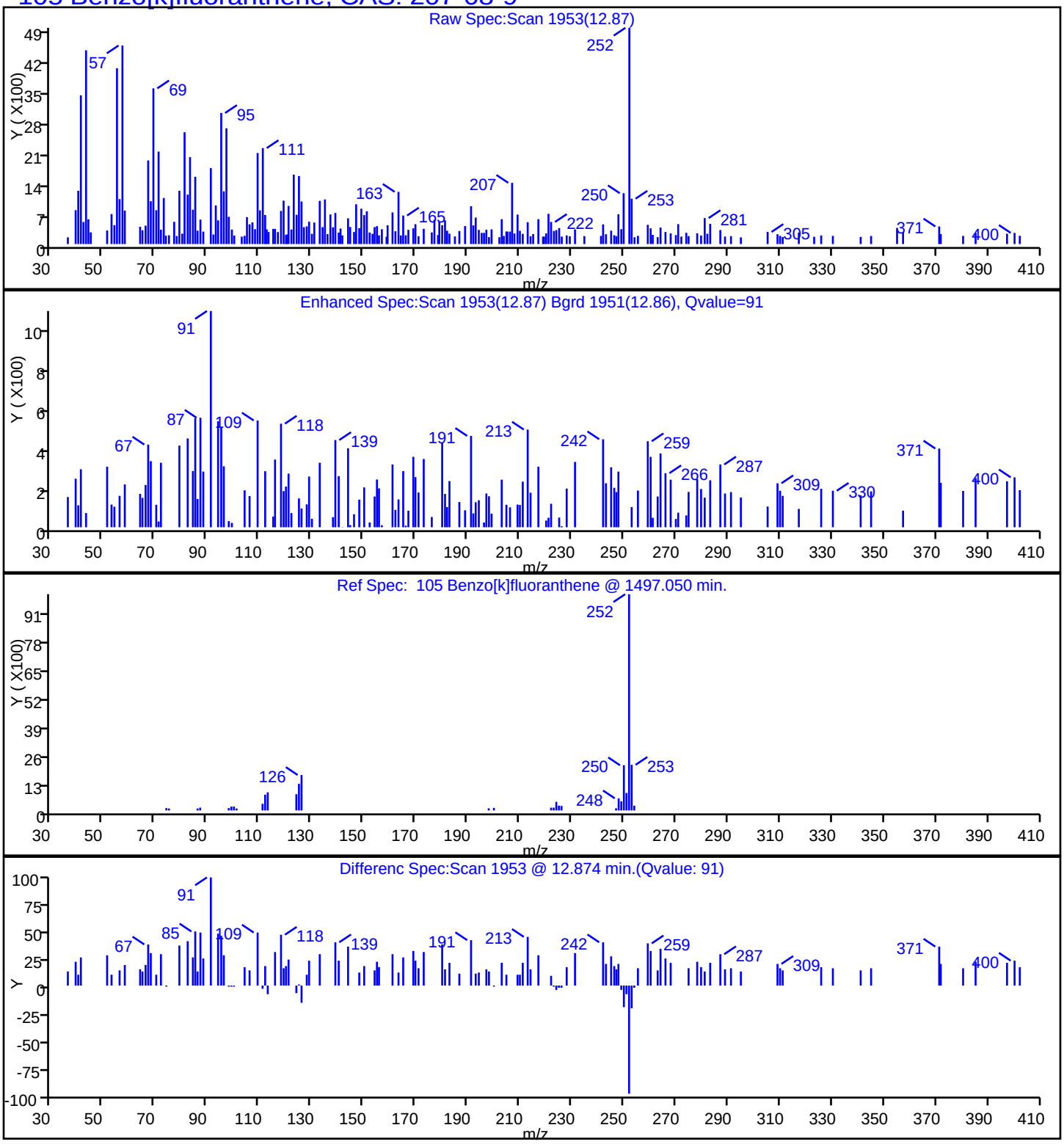


Report Date: 23-Aug-2016 17:01:08 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D				
Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



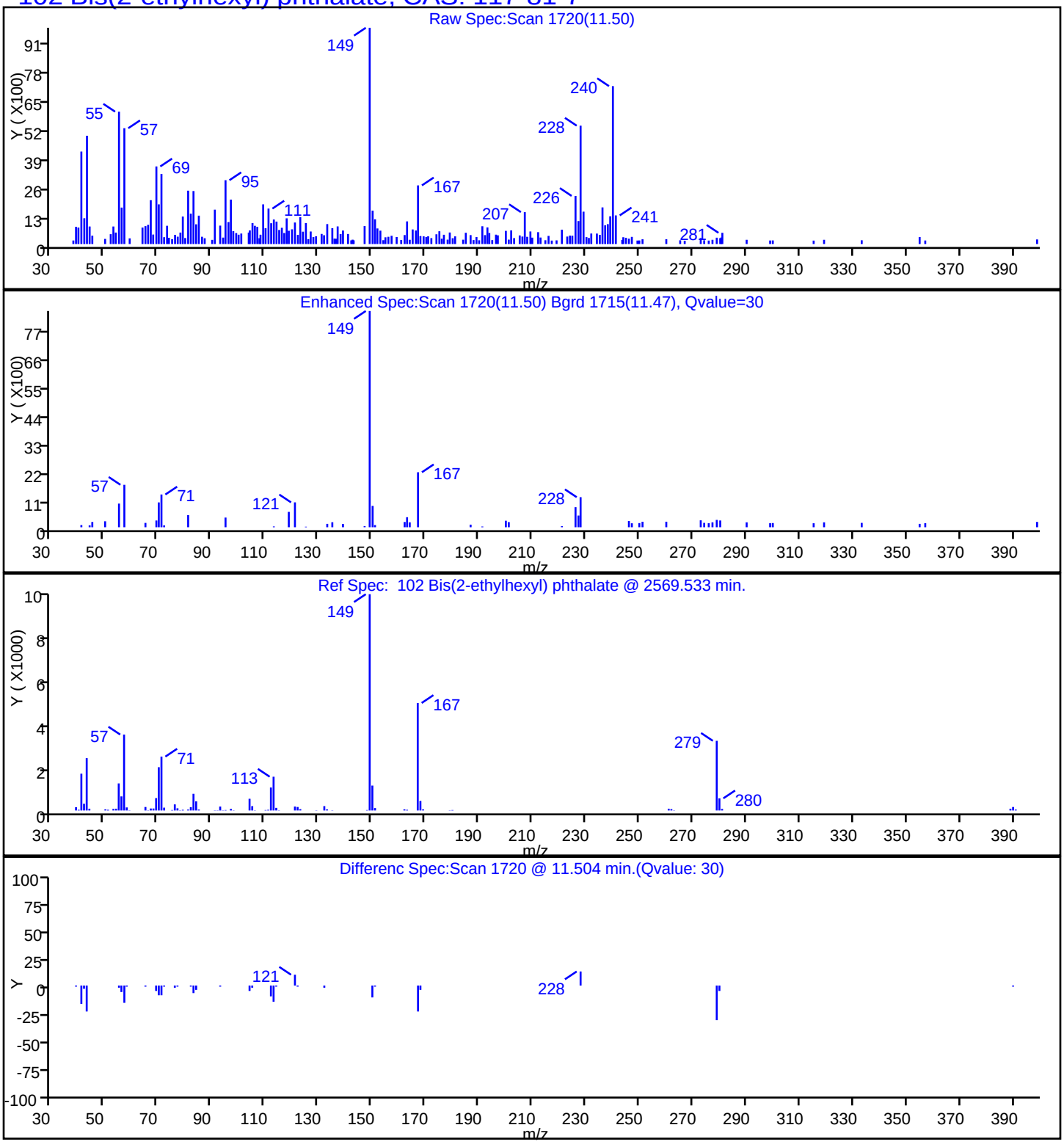
Report Date: 23-Aug-2016 17:01:08 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



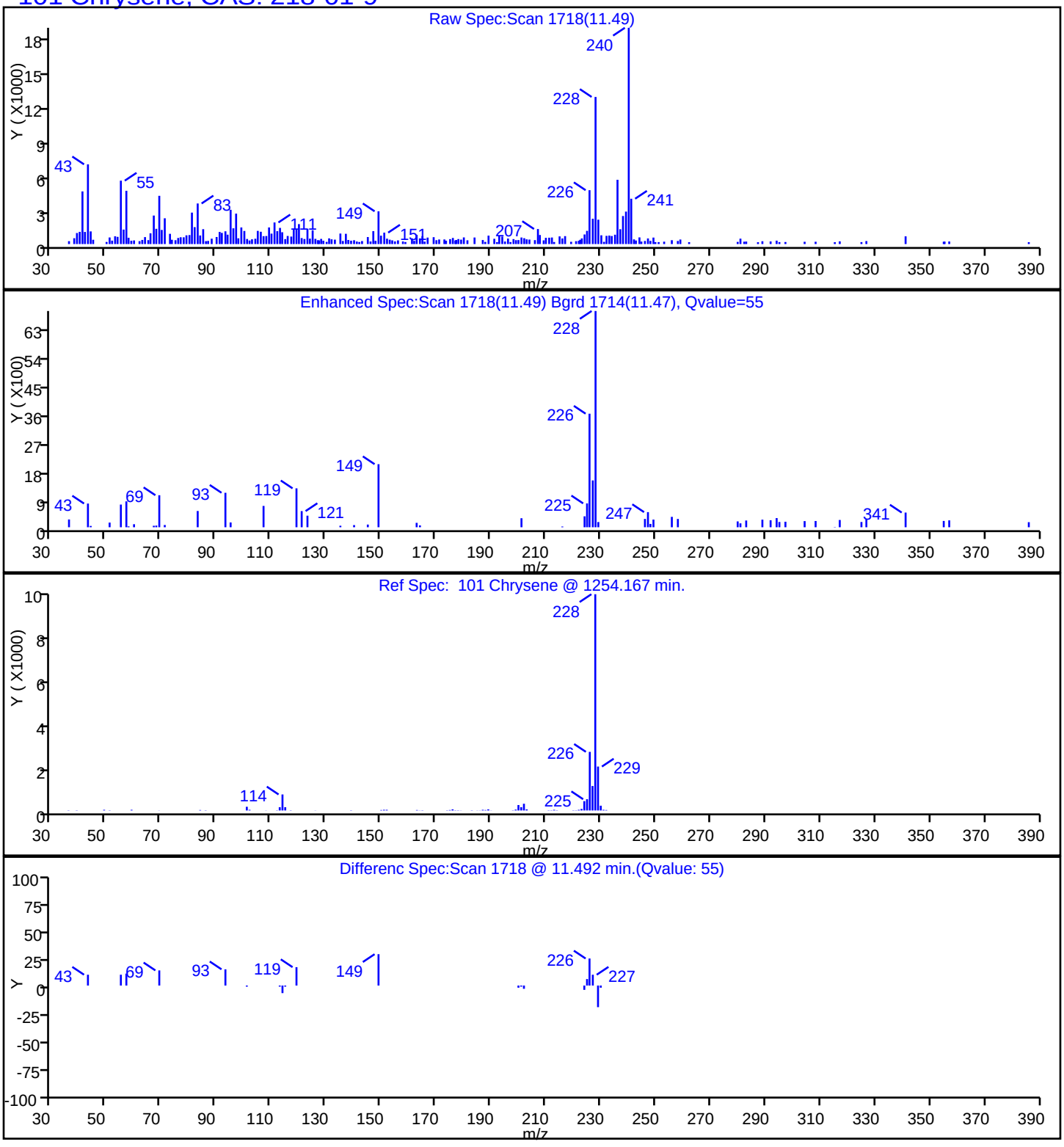
Report Date: 23-Aug-2016 17:01:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



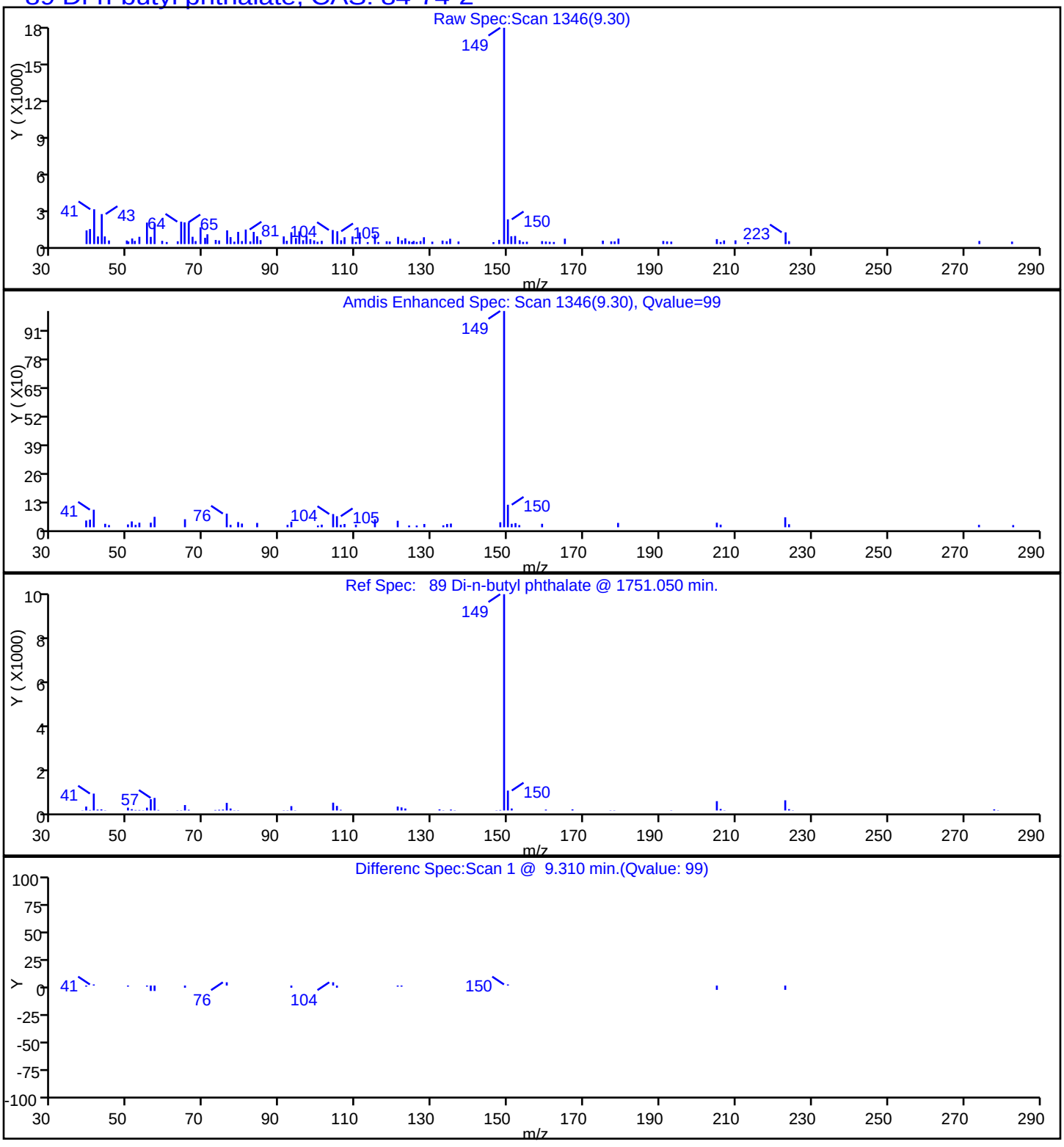
Report Date: 23-Aug-2016 17:01:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



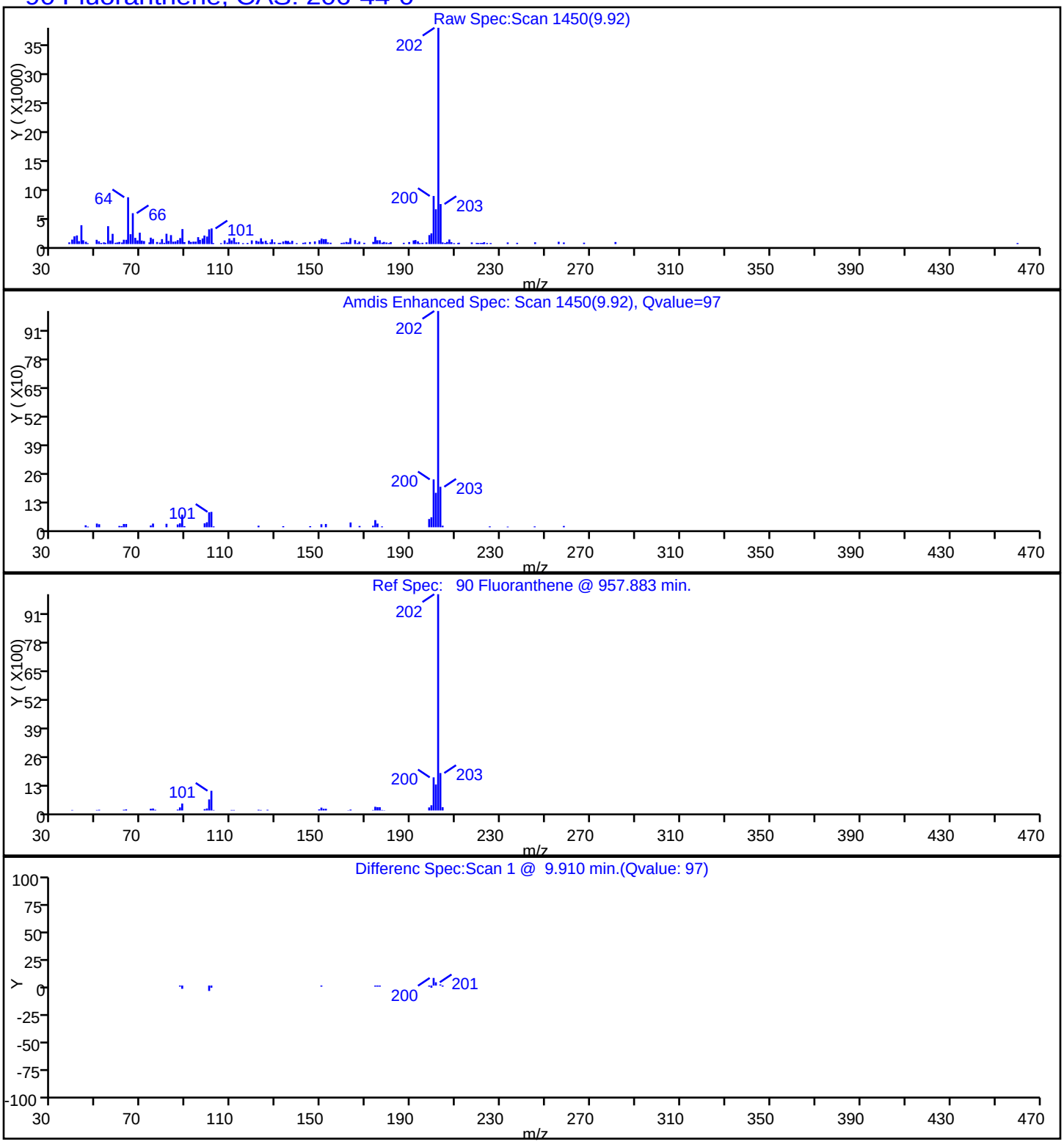
Report Date: 23-Aug-2016 17:01:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



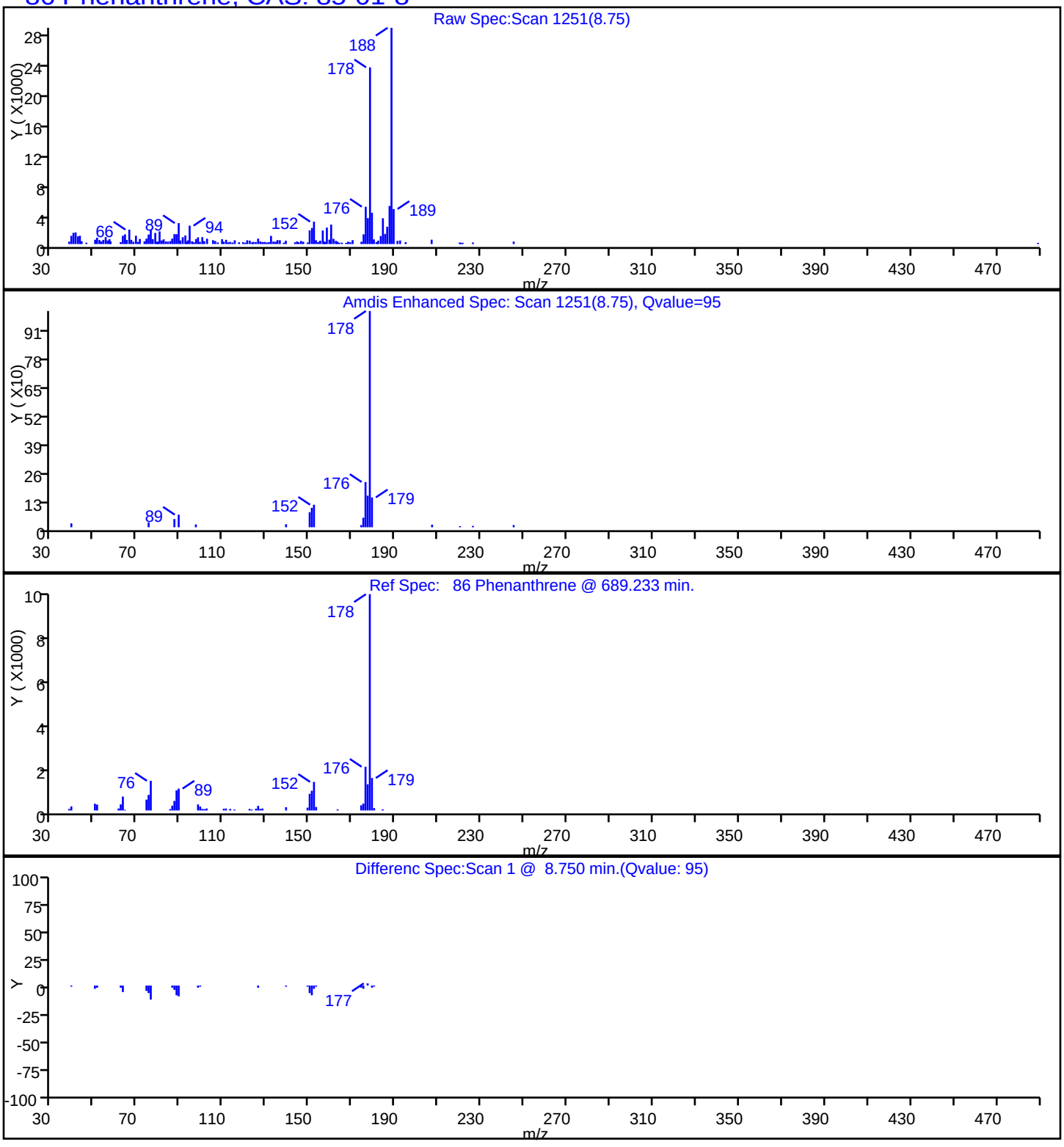
Report Date: 23-Aug-2016 17:01:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8

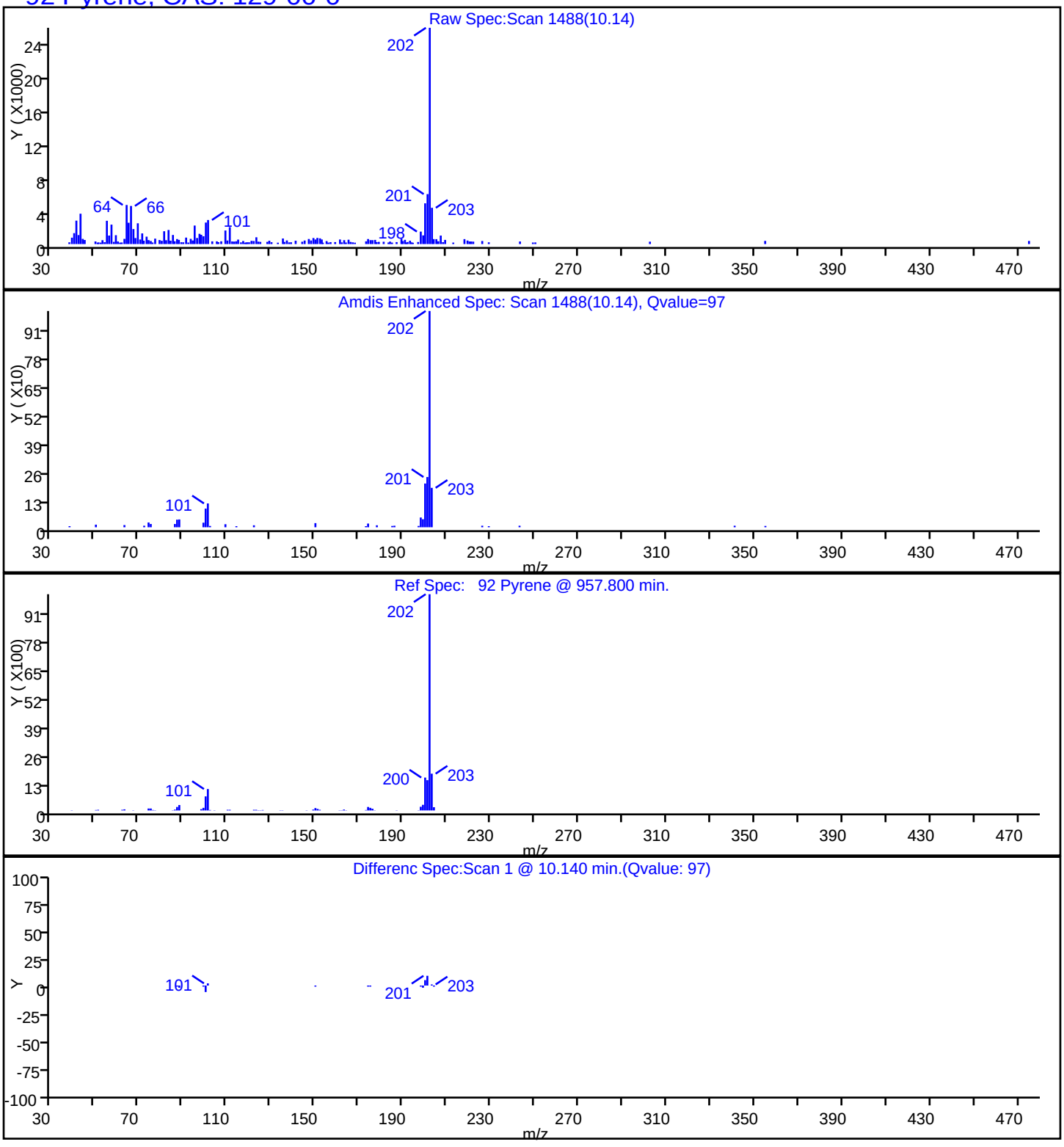


Report Date: 23-Aug-2016 17:01:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D				
Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

TestAmerica Edison

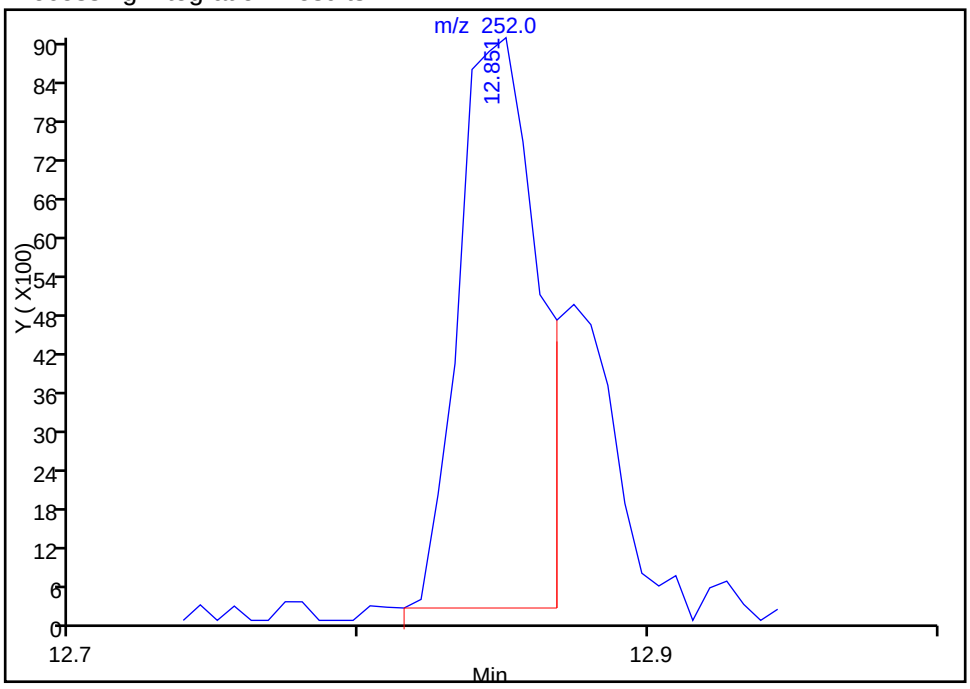
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D				
Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

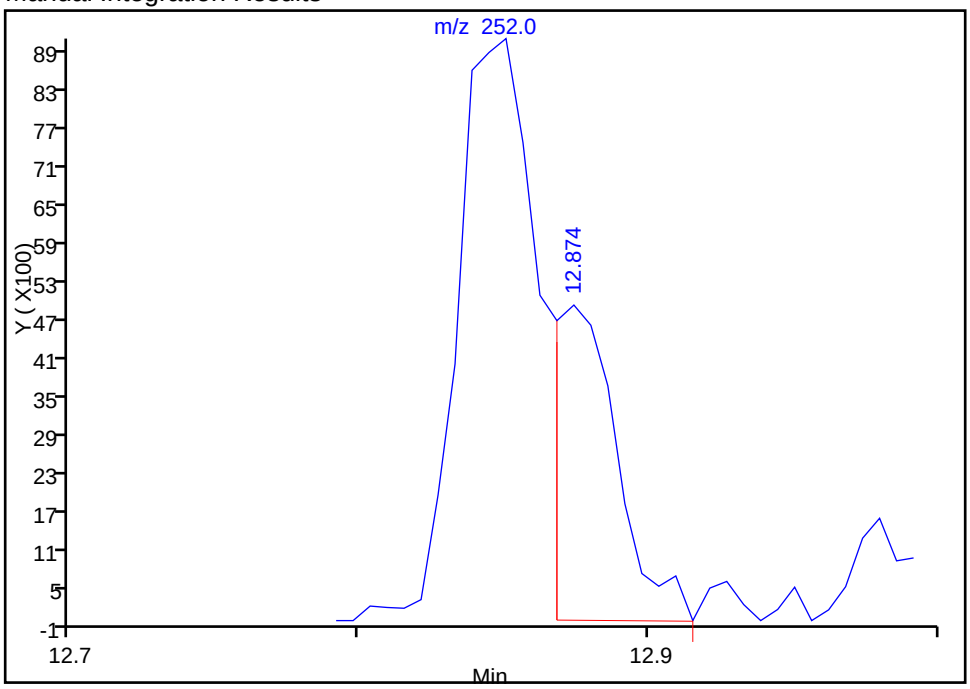
Processing Integration Results

RT: 12.85
Area: 16982
Amount: 0.501749
Amount Units: ug/ml



Manual Integration Results

RT: 12.87
Area: 7622
Amount: 0.225199
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 14:39:45

Audit Action: Assigned Compound ID Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

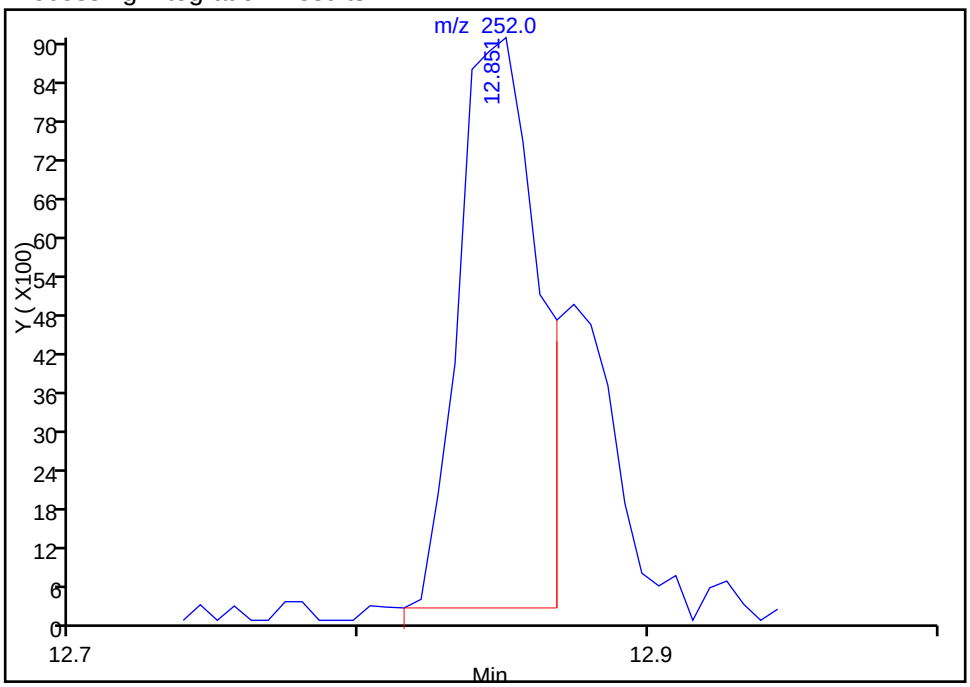
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357808.D				
Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-10-A	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

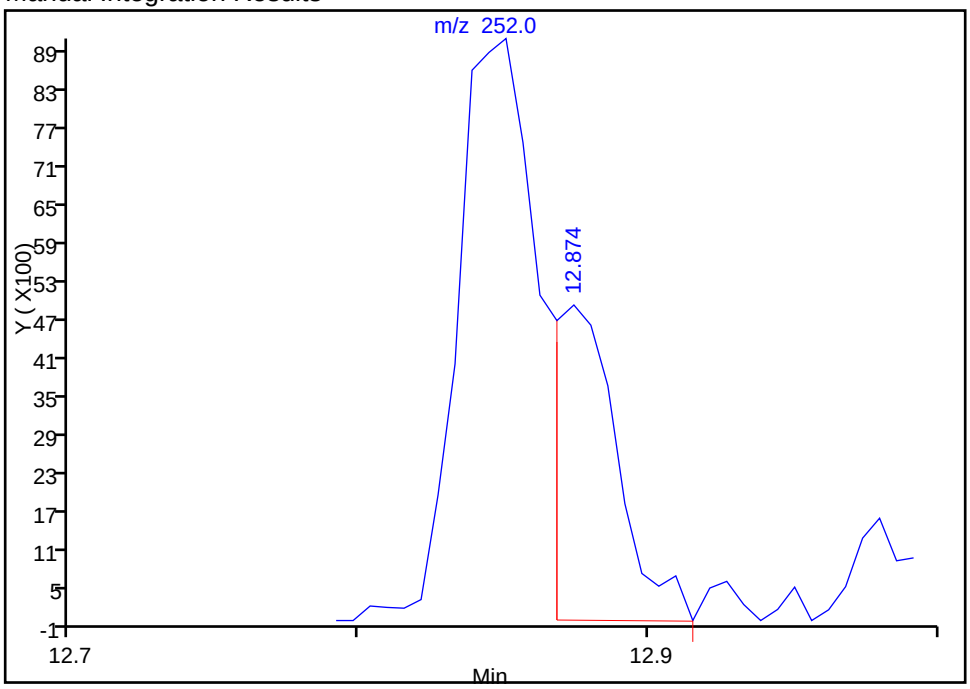
Processing Integration Results

RT: 12.85
Area: 16982
Amount: 0.501749
Amount Units: ug/ml



Manual Integration Results

RT: 12.87
Area: 7622
Amount: 0.225199
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 14:39:45

Audit Action: Manually Integrated Audit Reason: Wrong peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (2-4) 08182016 | Lab Sample ID: 460-118857-11

Matrix: Solid | Lab File ID: L1357809.D

Analysis Method: 8270D | Date Collected: 08/18/2016 13:58

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0297(g) | Date Analyzed: 08/23/2016 12:25

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 2.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	34	U	34	7.5
95-50-1	1,2-Dichlorobenzene	340	U	340	11
541-73-1	1,3-Dichlorobenzene	340	U	340	26
106-46-7	1,4-Dichlorobenzene	340	U	340	27
108-60-1	2,2'-oxybis[1-chloropropane]	340	U	340	14
121-14-2	2,4-Dinitrotoluene	69	U	69	13
606-20-2	2,6-Dinitrotoluene	69	U	69	18
91-58-7	2-Chloronaphthalene	340	U	340	7.7
91-57-6	2-Methylnaphthalene	14	J	340	7.5
88-74-4	2-Nitroaniline	340	U	340	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	38
99-09-2	3-Nitroaniline	340	U	340	10
101-55-3	4-Bromophenyl phenyl ether	340	U	340	11
106-47-8	4-Chloroaniline	340	U	340	8.7
7005-72-3	4-Chlorophenyl phenyl ether	340	U	340	10
100-01-6	4-Nitroaniline	340	U	340	13
83-32-9	Acenaphthene	340	U	340	8.2
208-96-8	Acenaphthylene	340	U	340	8.7
120-12-7	Anthracene	340	U	340	32
56-55-3	Benzo[a]anthracene	50		34	28
50-32-8	Benzo[a]pyrene	16	J	34	10
205-99-2	Benzo[b]fluoranthene	38		34	13
191-24-2	Benzo[g,h,i]perylene	340	U	340	19
207-08-9	Benzo[k]fluoranthene	16	J	34	15
111-91-1	Bis(2-chloroethoxy)methane	340	U	340	11
111-44-4	Bis(2-chloroethyl)ether	34	U	34	8.0
117-81-7	Bis(2-ethylhexyl) phthalate	31	J	340	13
85-68-7	Butyl benzyl phthalate	340	U	340	10
86-74-8	Carbazole	340	U	340	8.4
218-01-9	Chrysene	49	J	340	9.2
53-70-3	Dibenz(a,h)anthracene	34	U	34	18
132-64-9	Dibenzofuran	12	J	340	10
84-66-2	Diethyl phthalate	340	U	340	9.6
131-11-3	Dimethyl phthalate	340	U	340	9.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (2-4) 08182016 | Lab Sample ID: 460-118857-11

Matrix: Solid | Lab File ID: L1357809.D

Analysis Method: 8270D | Date Collected: 08/18/2016 13:58

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0297(g) | Date Analyzed: 08/23/2016 12:25

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 2.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	27	J	340	10
117-84-0	Di-n-octyl phthalate	340	U	340	17
206-44-0	Fluoranthene	140	J	340	10
86-73-7	Fluorene	11	J	340	7.4
118-74-1	Hexachlorobenzene	34	U	34	14
87-68-3	Hexachlorobutadiene	69	U	69	9.5
77-47-4	Hexachlorocyclopentadiene	340	U	340	21
67-72-1	Hexachloroethane	34	U	34	12
193-39-5	Indeno[1,2,3-cd]pyrene	34	U	34	23
78-59-1	Isophorone	140	U	140	7.3
91-20-3	Naphthalene	26	J	340	8.6
98-95-3	Nitrobenzene	34	U	34	11
621-64-7	N-Nitrosodi-n-propylamine	34	U	34	11
86-30-6	N-Nitrosodiphenylamine	340	U	340	31
85-01-8	Phenanthrene	64	J	340	9.0
129-00-0	Pyrene	170	J	340	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	77		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	68		37-94
1718-51-0	Terphenyl-d14 (Surr)	73		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D
Lims ID: 460-118857-F-11-A
Client ID: SB-5 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 12:25:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-013
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 14:41:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.234	4.228	0.006	95	861426	40.0	
$ 26 Nitrobenzene-d5	82	4.787	4.792	-0.005	88	839814	33.8	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2835099	40.0	
37 Naphthalene	128	5.528	5.534	-0.006	97	26769	0.3876	
42 2-Methylnaphthalene	142	6.228	6.234	-0.006	81	10182	0.2116	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	97	2022255	38.7	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1443732	40.0	
69 Dibenzofuran	168	7.463	7.469	-0.006	94	10559	0.1782	
74 Fluorene	166	7.804	7.810	-0.006	95	7544	0.1591	
* 85 Phenanthrene-d10	188	8.728	8.728	0.000	98	1960829	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	96	51705	0.9388	
87 Anthracene	178	8.798	8.804	-0.006	97	16109	0.2824	
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	98	23204	0.3988	
90 Fluoranthene	202	9.939	9.916	0.023	97	116430	2.09	
92 Pyrene	202	10.139	10.139	0.000	97	116523	2.42	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1315893	36.7	
99 Benzo[a]anthracene	228	11.451	11.457	-0.006	95	29607	0.7343	
* 100 Chrysene-d12	240	11.469	11.469	0.000	99	1343786	40.0	
101 Chrysene	228	11.492	11.498	-0.006	94	27109	0.7138	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	82	13261	0.4471	
104 Benzo[b]fluoranthene	252	12.845	12.851	-0.006	97	17954	0.5563	
105 Benzo[k]fluoranthene	252	12.874	12.886	-0.012	1	8159	0.2411	
106 Benzo[a]pyrene	252	13.280	13.292	-0.012	98	7355	0.2405	
* 107 Perylene-d12	264	13.368	13.368	0.000	99	1120589	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.804	14.809	-0.005	87	7753	0.2325	

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

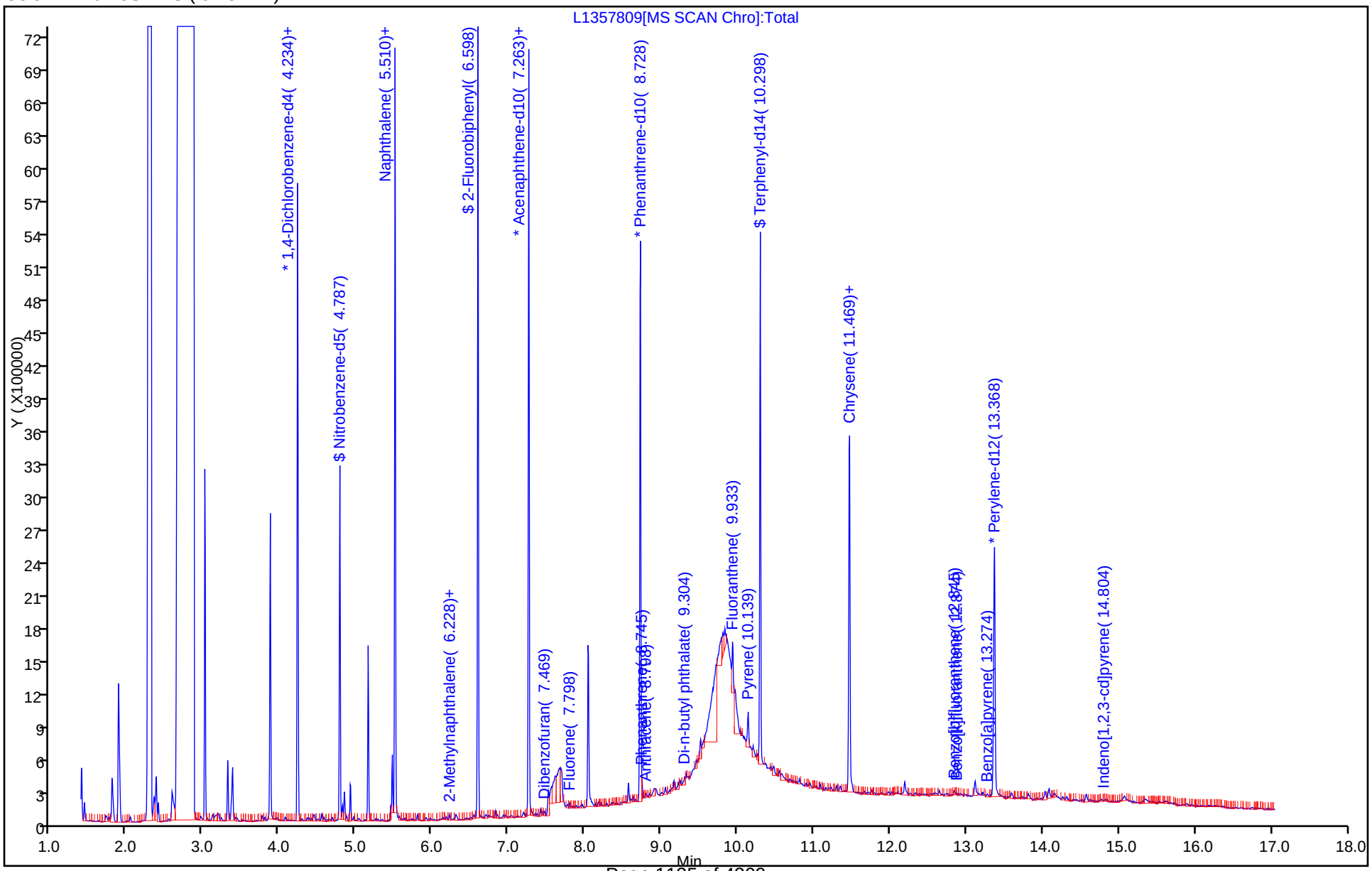
Report Date: 23-Aug-2016 17:01:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11	Worklist Smp#:	13
Client ID:	SB-5 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



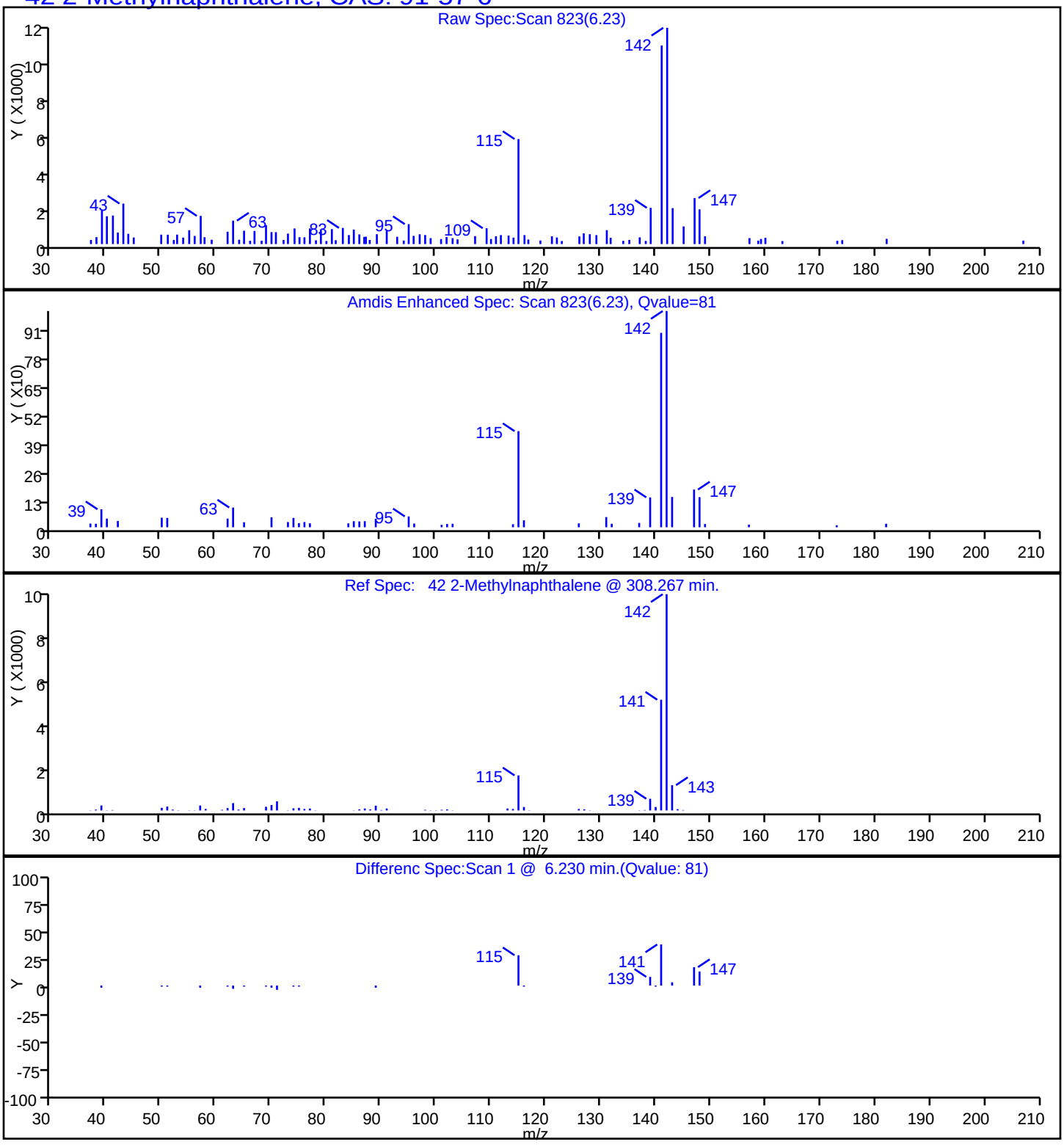
Report Date: 23-Aug-2016 17:01:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



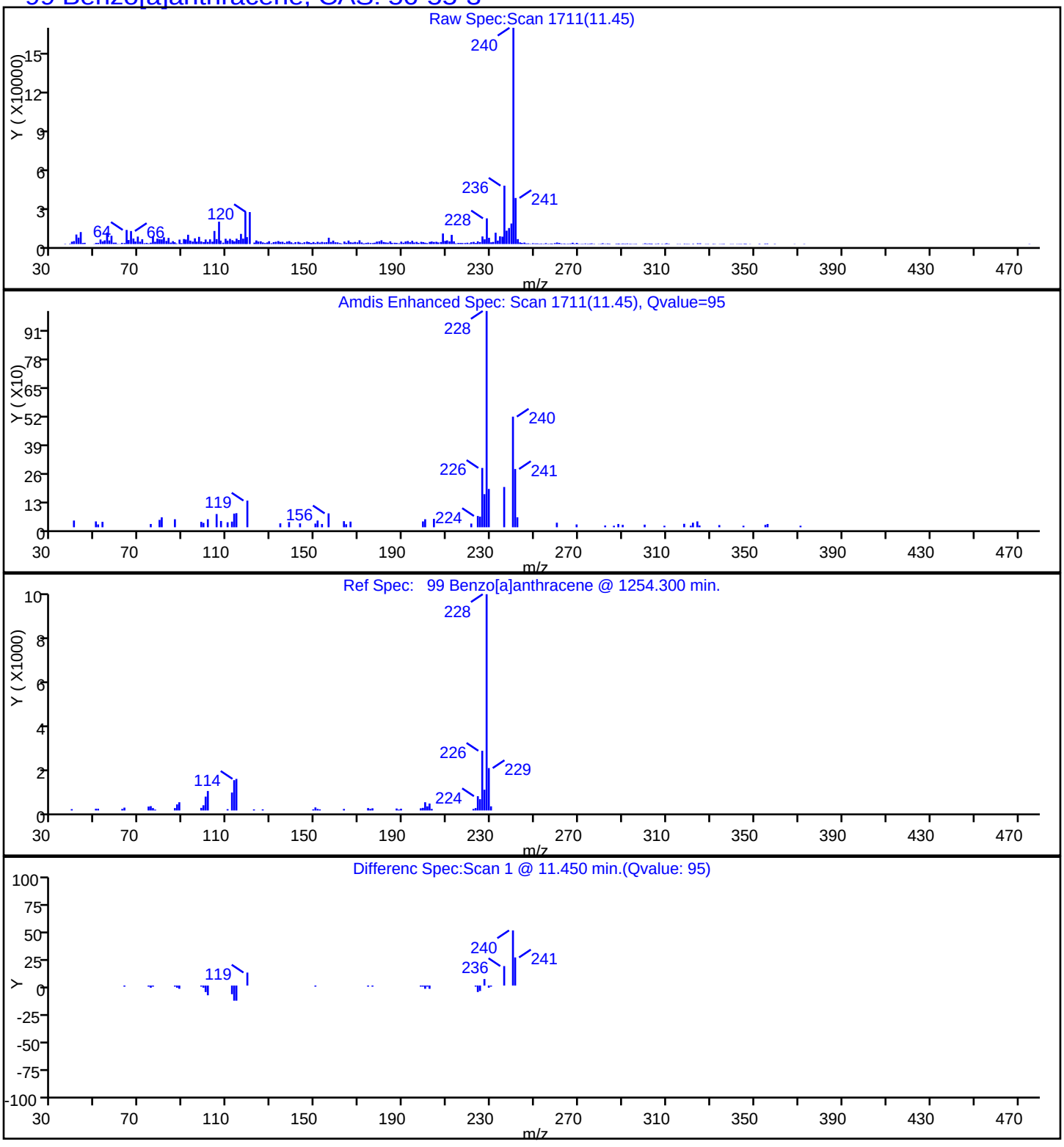
Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



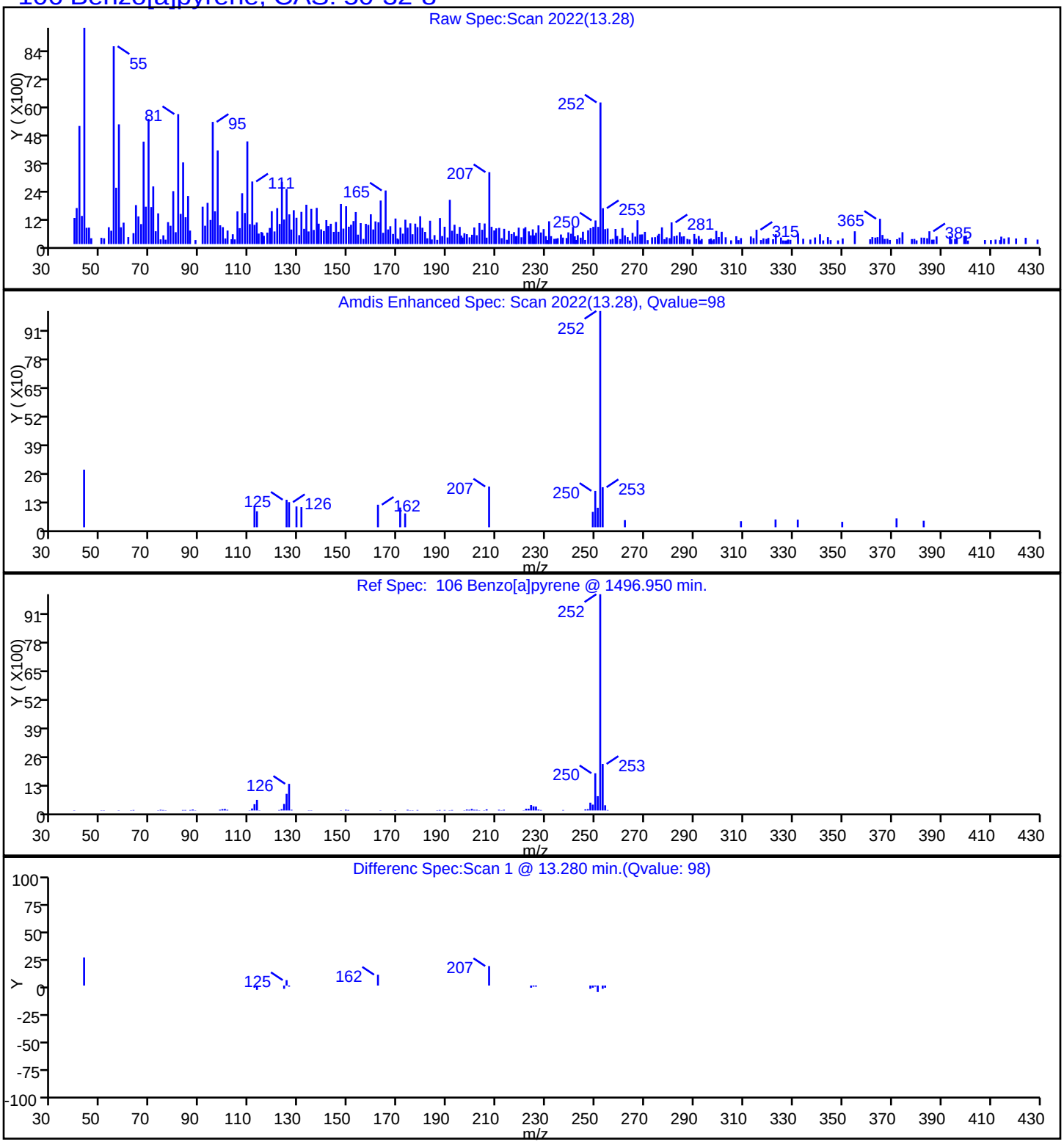
Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

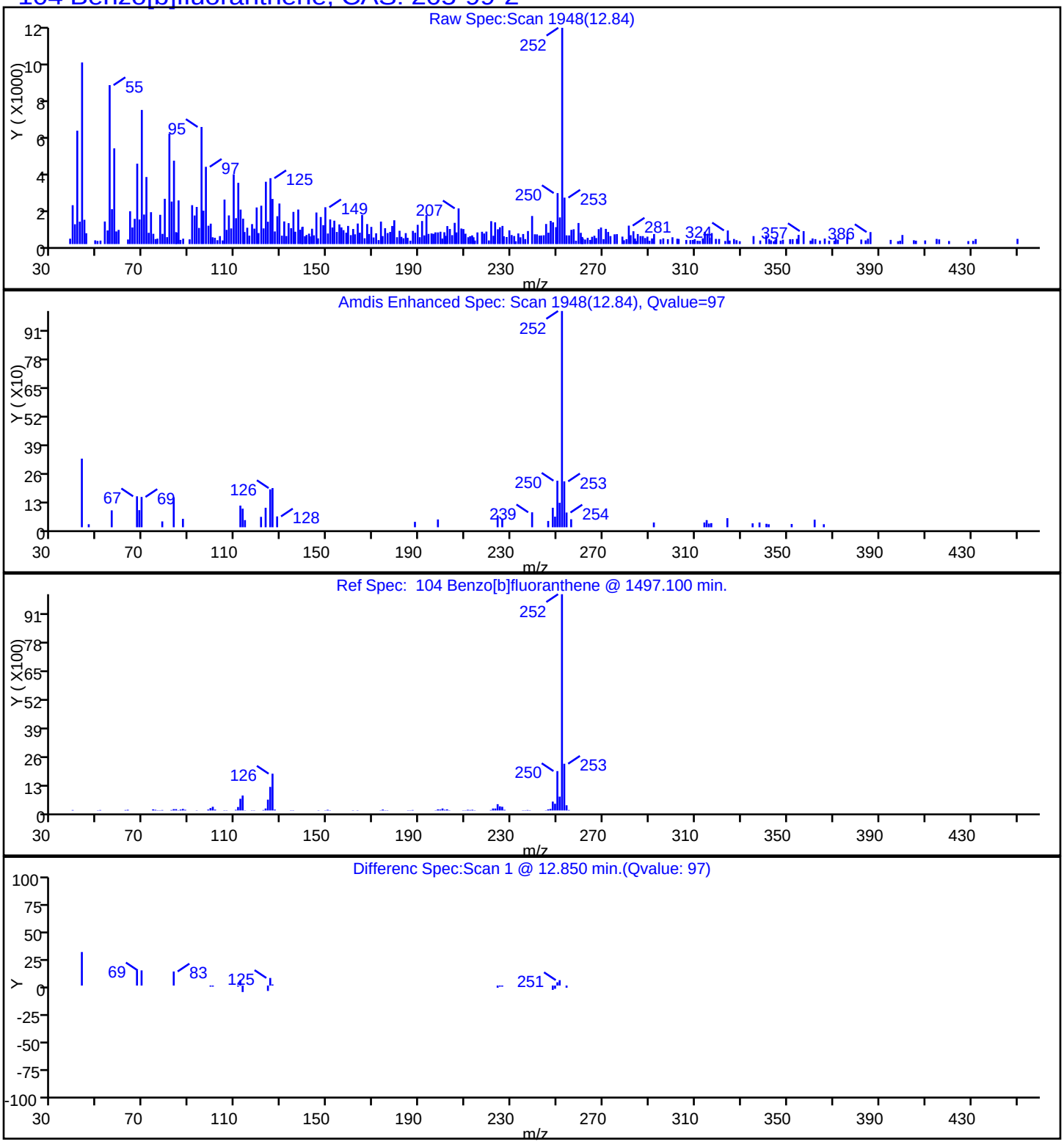


Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D				
Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

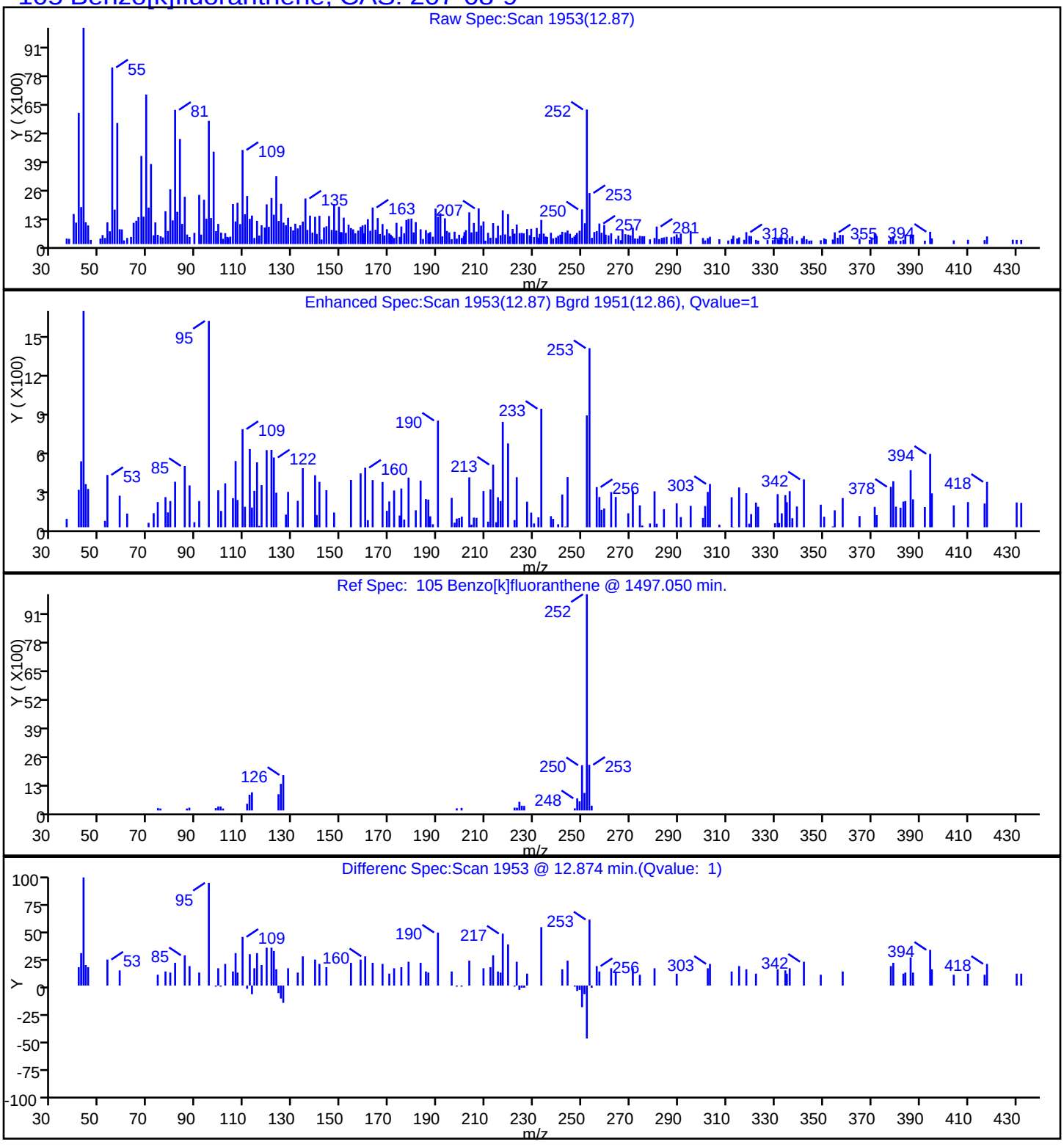


Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D				
Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

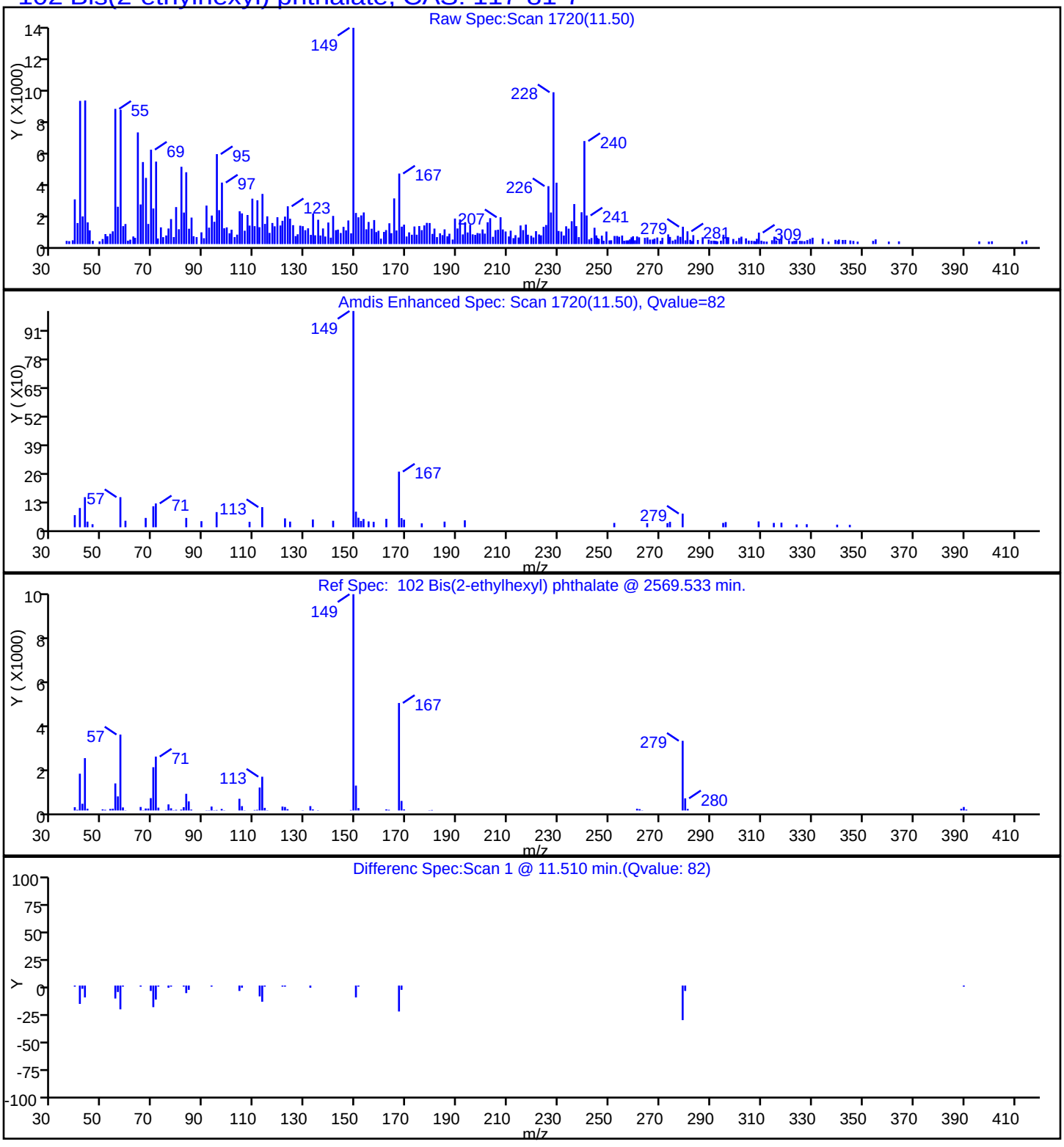


Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D				
Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



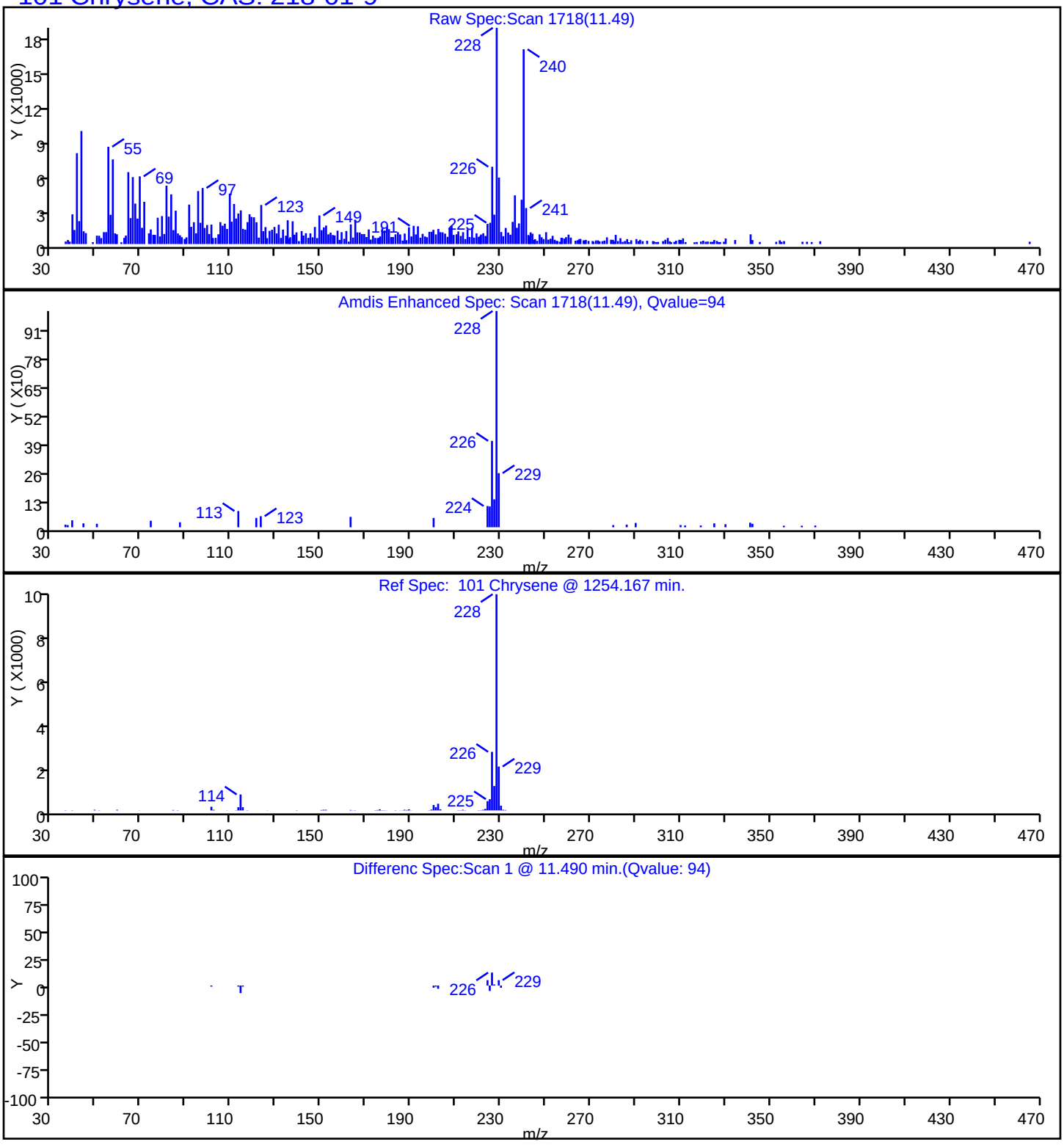
Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



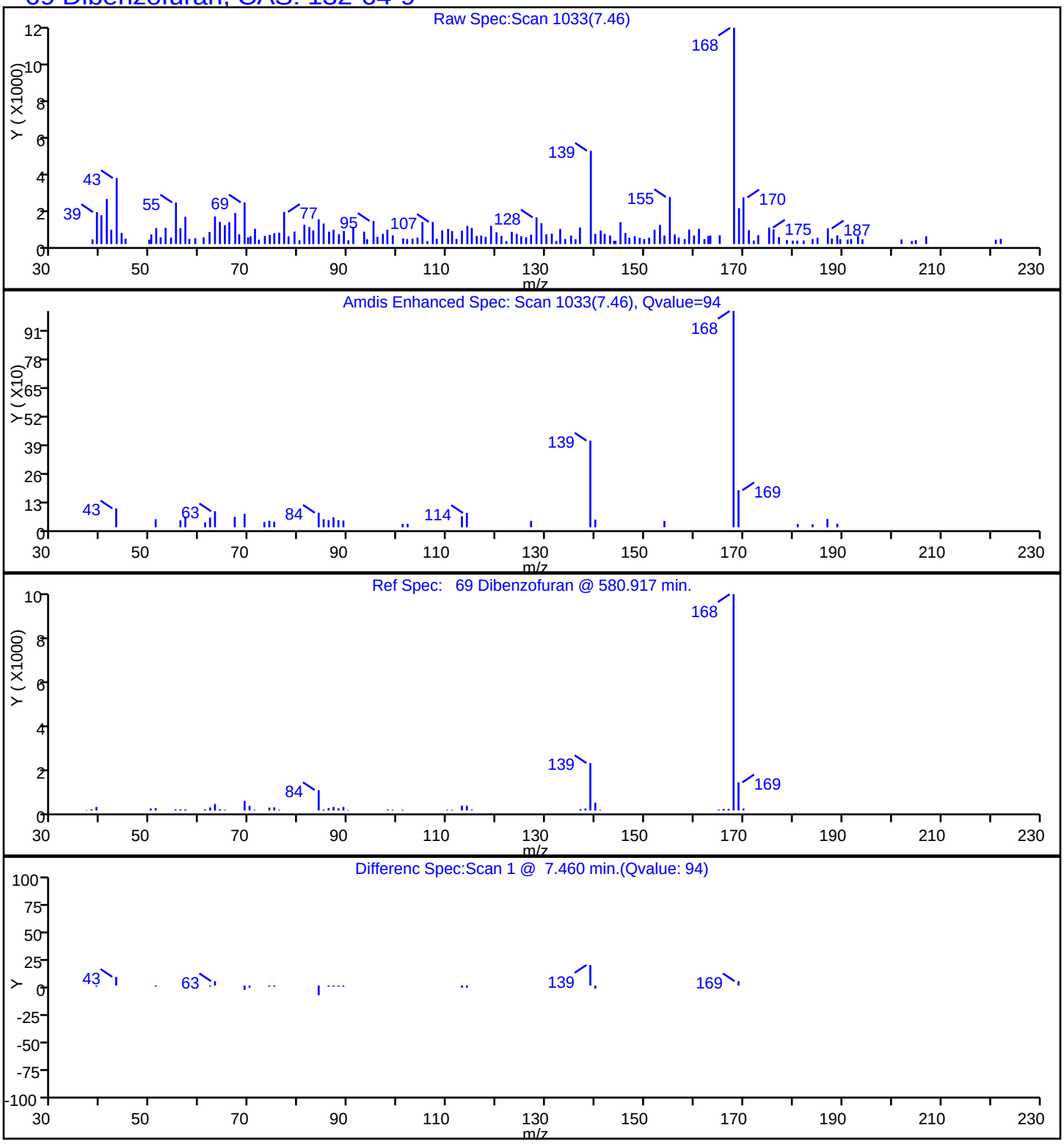
Report Date: 23-Aug-2016 17:01:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 Dibenzofuran, CAS: 132-64-9

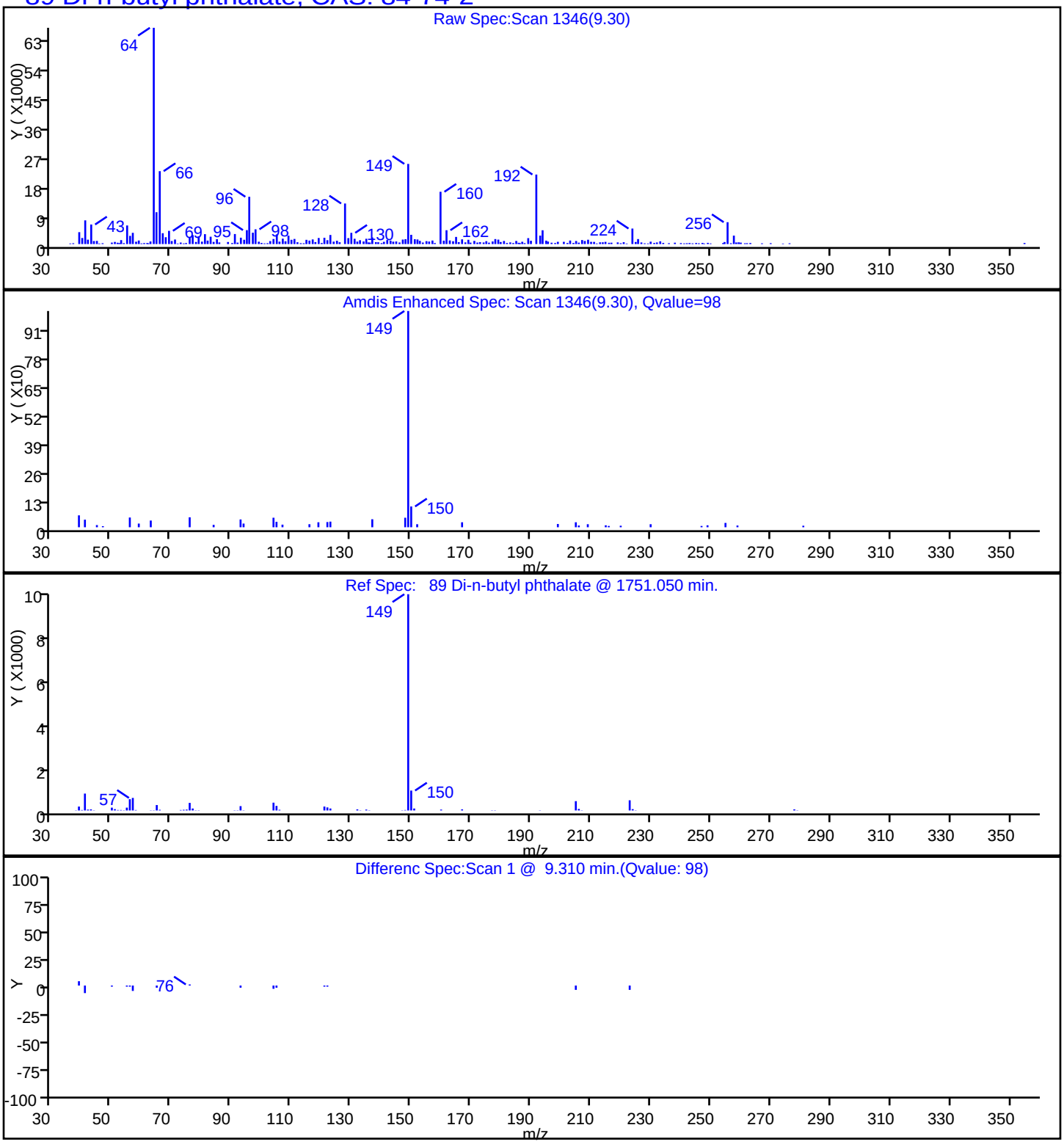


Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D				
Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



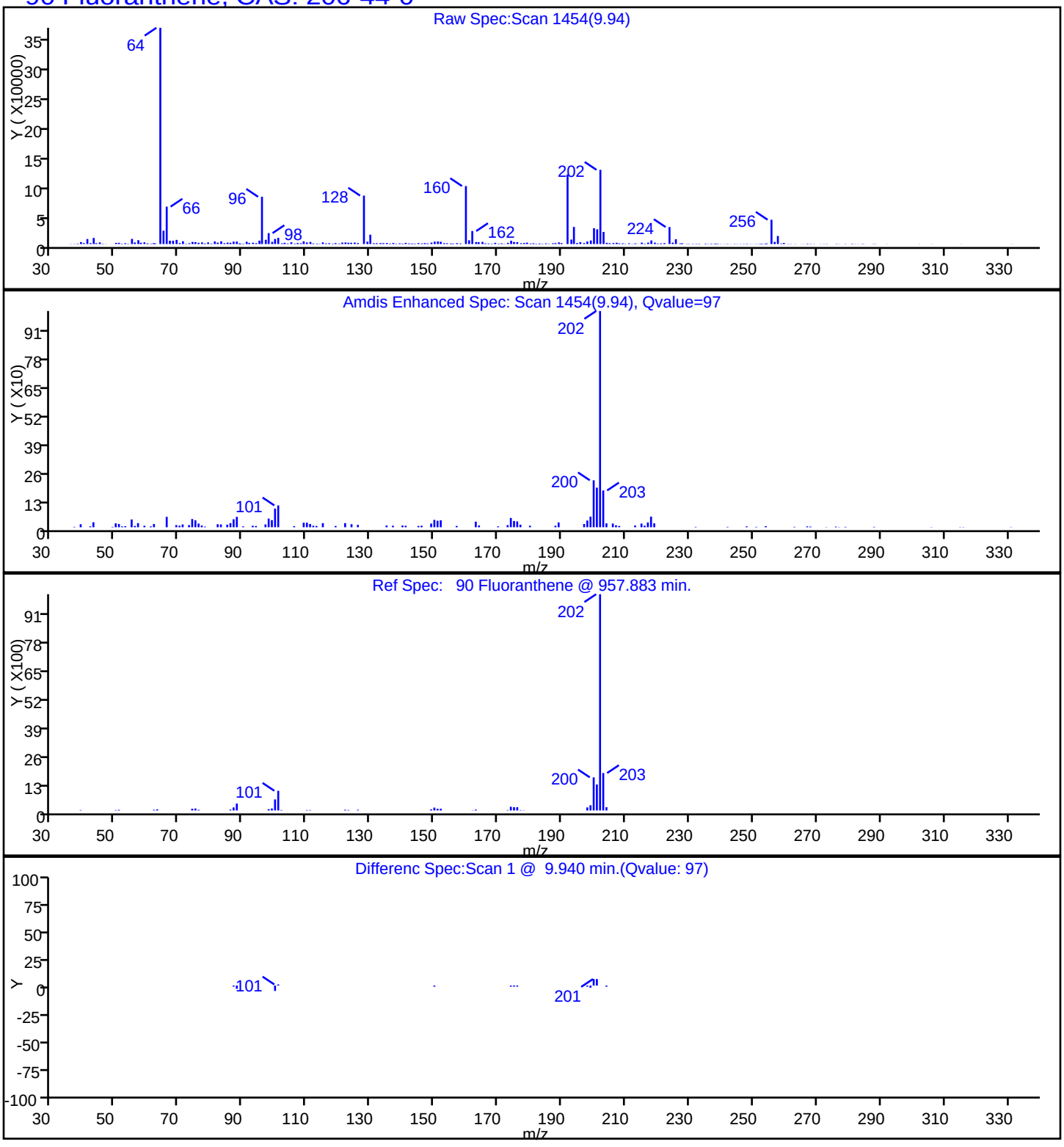
Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



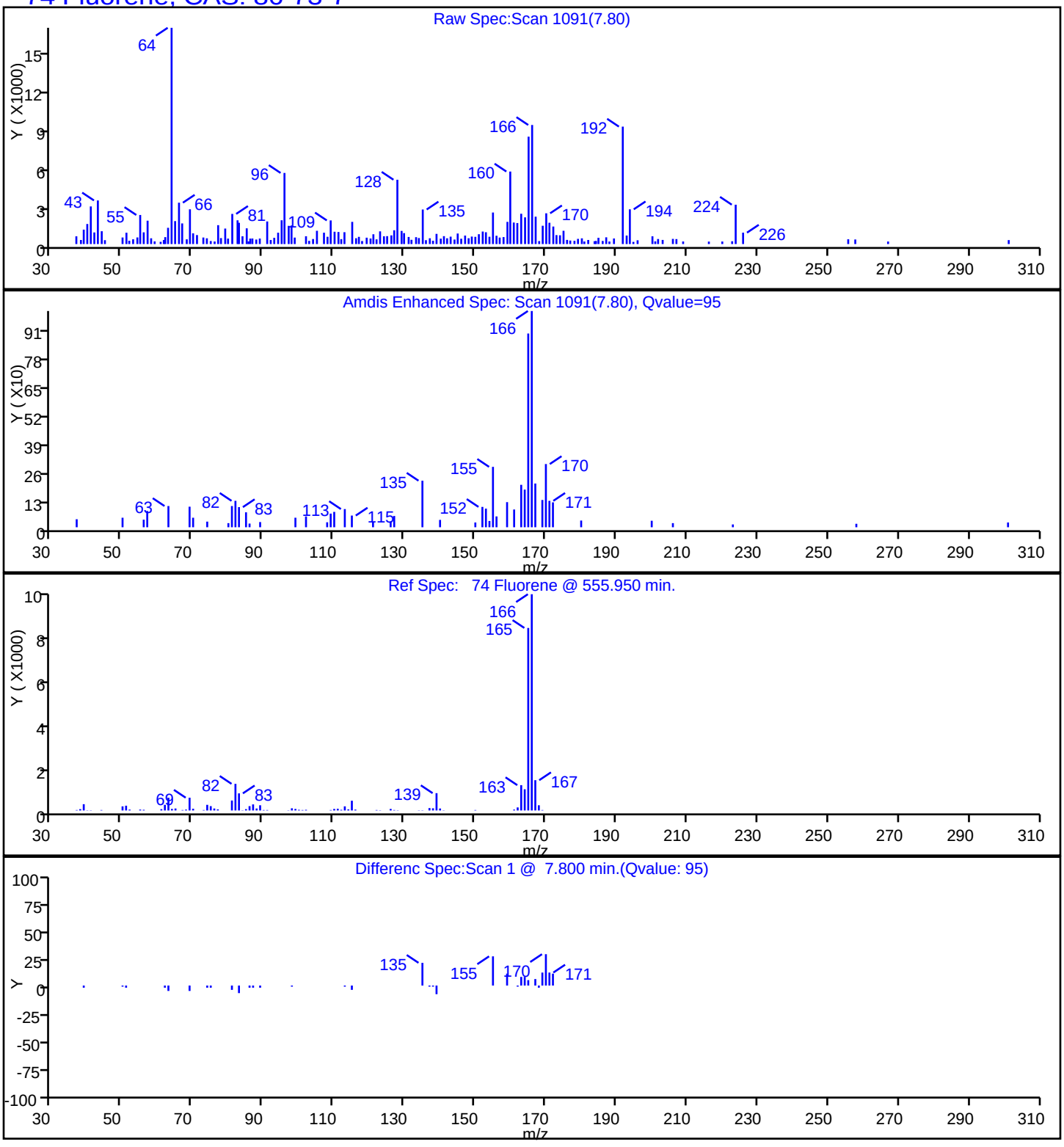
Report Date: 23-Aug-2016 17:01:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7



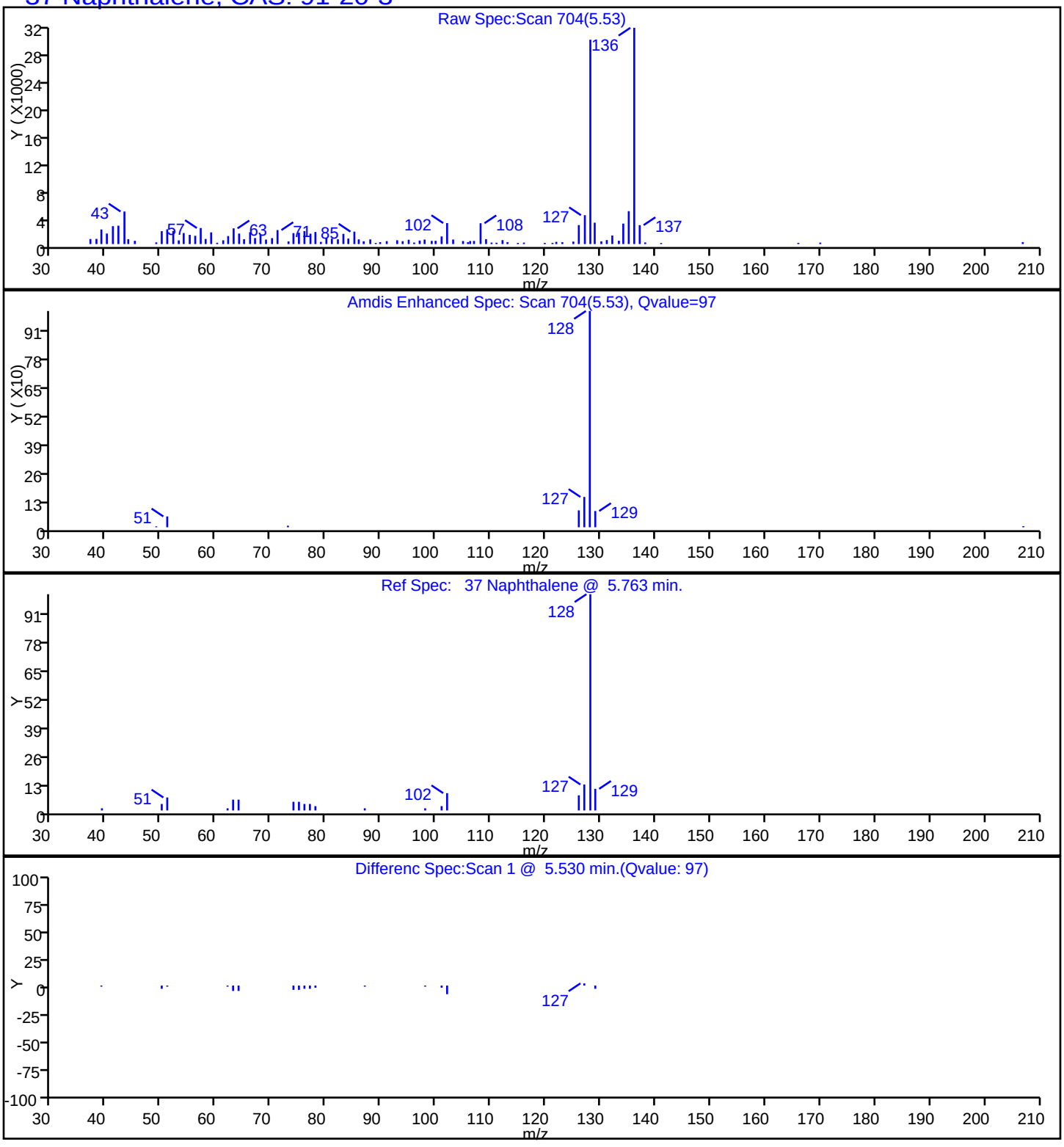
Report Date: 23-Aug-2016 17:01:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3



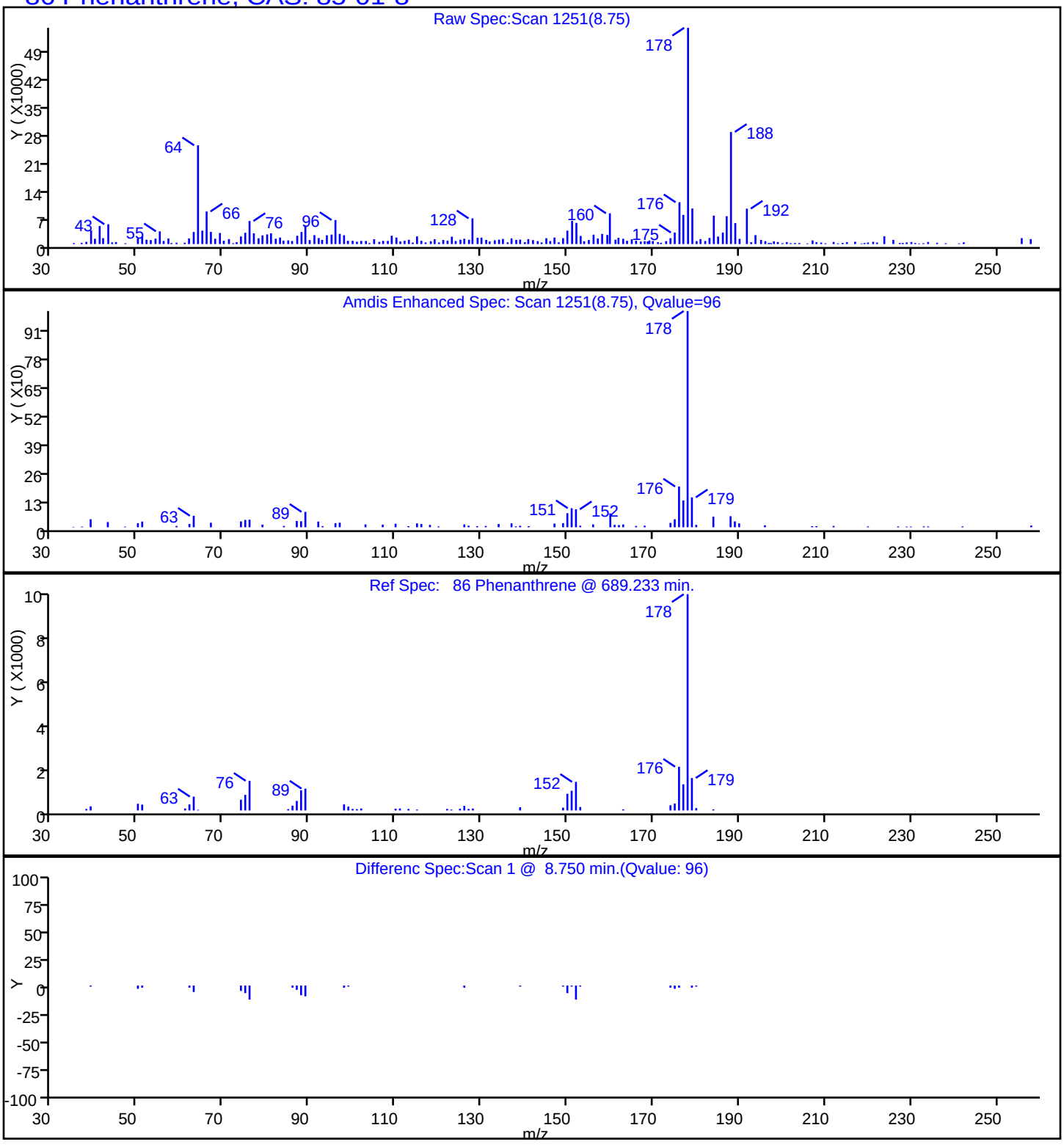
Report Date: 23-Aug-2016 17:01:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



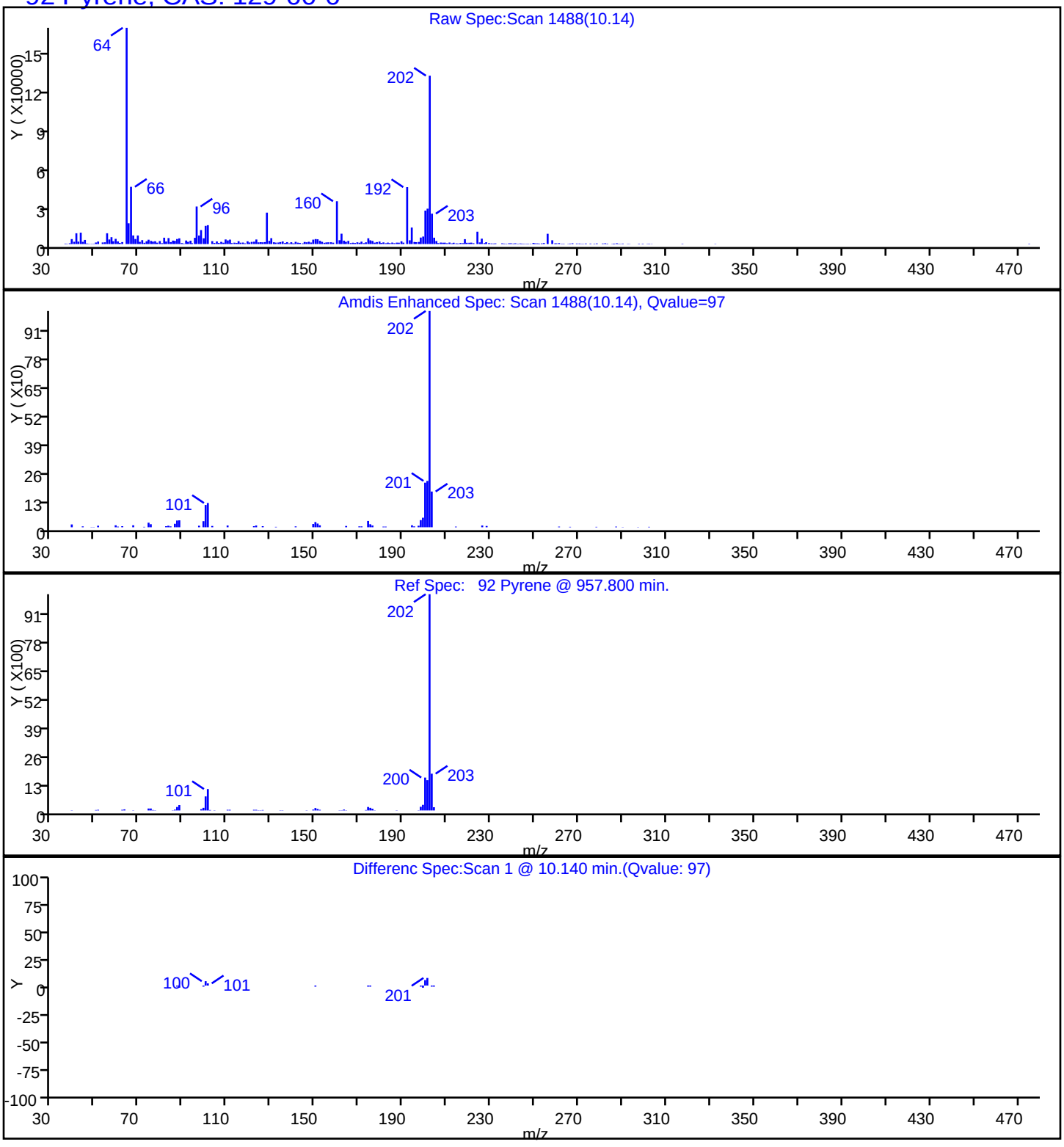
Report Date: 23-Aug-2016 17:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357809.D

Injection Date:	23-Aug-2016 12:25:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-11-A	Lab Sample ID:	460-118857-11		
Client ID:	SB-5 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (13-15) 08182016 | Lab Sample ID: 460-118857-12

Matrix: Solid | Lab File ID: L1357817.D

Analysis Method: 8270D | Date Collected: 08/18/2016 14:10

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0199(g) | Date Analyzed: 08/23/2016 15:40

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	34	U	34	7.6
95-50-1	1,2-Dichlorobenzene	340	U	340	12
541-73-1	1,3-Dichlorobenzene	340	U	340	27
106-46-7	1,4-Dichlorobenzene	340	U	340	27
108-60-1	2,2'-oxybis[1-chloropropane]	340	U	340	14
121-14-2	2,4-Dinitrotoluene	69	U	69	14
606-20-2	2,6-Dinitrotoluene	69	U	69	18
91-58-7	2-Chloronaphthalene	340	U	340	7.8
91-57-6	2-Methylnaphthalene	22	J	340	7.6
88-74-4	2-Nitroaniline	340	U	340	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	38
99-09-2	3-Nitroaniline	340	U	340	10
101-55-3	4-Bromophenyl phenyl ether	340	U	340	11
106-47-8	4-Chloroaniline	340	U	340	8.8
7005-72-3	4-Chlorophenyl phenyl ether	340	U	340	10
100-01-6	4-Nitroaniline	340	U	340	13
83-32-9	Acenaphthene	8.9	J	340	8.3
208-96-8	Acenaphthylene	13	J	340	8.8
120-12-7	Anthracene	340	U	340	33
56-55-3	Benzo[a]anthracene	110		34	29
50-32-8	Benzo[a]pyrene	110		34	10
205-99-2	Benzo[b]fluoranthene	180		34	13
191-24-2	Benzo[g,h,i]perylene	78	J	340	20
207-08-9	Benzo[k]fluoranthene	77		34	15
111-91-1	Bis(2-chloroethoxy)methane	340	U	340	11
111-44-4	Bis(2-chloroethyl)ether	34	U	34	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	340	U	340	13
85-68-7	Butyl benzyl phthalate	340	U	340	11
86-74-8	Carbazole	12	J	340	8.5
218-01-9	Chrysene	170	J	340	9.3
53-70-3	Dibenz(a,h)anthracene	34	U	34	18
132-64-9	Dibenzofuran	16	J	340	10
84-66-2	Diethyl phthalate	340	U	340	9.7
131-11-3	Dimethyl phthalate	340	U	340	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (13-15) 08182016 | Lab Sample ID: 460-118857-12

Matrix: Solid | Lab File ID: L1357817.D

Analysis Method: 8270D | Date Collected: 08/18/2016 14:10

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0199(g) | Date Analyzed: 08/23/2016 15:40

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	28	J	340	10
117-84-0	Di-n-octyl phthalate	340	U	340	17
206-44-0	Fluoranthene	250	J	340	10
86-73-7	Fluorene	23	J	340	7.5
118-74-1	Hexachlorobenzene	34	U	34	14
87-68-3	Hexachlorobutadiene	69	U	69	9.6
77-47-4	Hexachlorocyclopentadiene	340	U	340	21
67-72-1	Hexachloroethane	34	U	34	13
193-39-5	Indeno[1,2,3-cd]pyrene	79		34	23
78-59-1	Isophorone	140	U	140	7.4
91-20-3	Naphthalene	24	J	340	8.7
98-95-3	Nitrobenzene	34	U	34	11
621-64-7	N-Nitrosodi-n-propylamine	34	U	34	12
86-30-6	N-Nitrosodiphenylamine	340	U	340	31
85-01-8	Phenanthrene	160	J	340	9.1
129-00-0	Pyrene	260	J	340	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	88		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	74		37-94
1718-51-0	Terphenyl-d14 (Surr)	89		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357817.D
Lims ID: 460-118857-E-12-A
Client ID: SB-5 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 15:40:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-021
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 11:13:52 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: bayoumiw Date: 23-Aug-2016 16:59:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	95	743222	40.0	
$ 26 Nitrobenzene-d5	82	4.787	4.792	-0.005	88	763491	36.9	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2363997	40.0	
37 Naphthalene	128	5.534	5.534	0.000	96	20372	0.3537	
42 2-Methylnaphthalene	142	6.228	6.234	-0.006	84	12838	0.3199	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	96	1775241	44.1	
61 Acenaphthylene	152	7.122	7.128	-0.006	96	8711	0.1812	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1113626	40.0	
65 Acenaphthene	154	7.298	7.298	0.000	22	4107	0.1284	
69 Dibenzofuran	168	7.469	7.469	0.000	92	10685	0.2338	
74 Fluorene	166	7.804	7.810	-0.006	93	12206	0.3337	
* 85 Phenanthrene-d10	188	8.727	8.728	-0.001	98	1478626	40.0	
86 Phenanthrene	178	8.751	8.751	0.000	96	96098	2.31	
87 Anthracene	178	8.798	8.804	-0.006	96	16566	0.3851	
88 Carbazole	167	8.963	8.963	0.000	88	6433	0.1772	
89 Di-n-butyl phthalate	149	9.310	9.310	0.000	77	17829	0.4063	
90 Fluoranthene	202	9.939	9.916	0.023	97	154315	3.67	
92 Pyrene	202	10.139	10.139	0.000	97	128077	3.75	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1133675	44.6	
99 Benzo[a]anthracene	228	11.457	11.457	0.000	50	46831	1.64	
* 100 Chrysene-d12	240	11.468	11.469	-0.001	99	953560	40.0	
101 Chrysene	228	11.498	11.498	0.000	97	67339	2.50	
104 Benzo[b]fluoranthene	252	12.845	12.851	-0.006	97	66519	2.64	
105 Benzo[k]fluoranthene	252	12.880	12.886	-0.006	1	29297	1.11	
106 Benzo[a]pyrene	252	13.286	13.292	-0.006	96	36522	1.53	
* 107 Perylene-d12	264	13.368	13.368	0.000	99	875802	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.804	14.809	-0.005	90	29883	1.15	
110 Benzo[g,h,i]perylene	276	15.145	15.156	-0.011	93	25763	1.13	

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

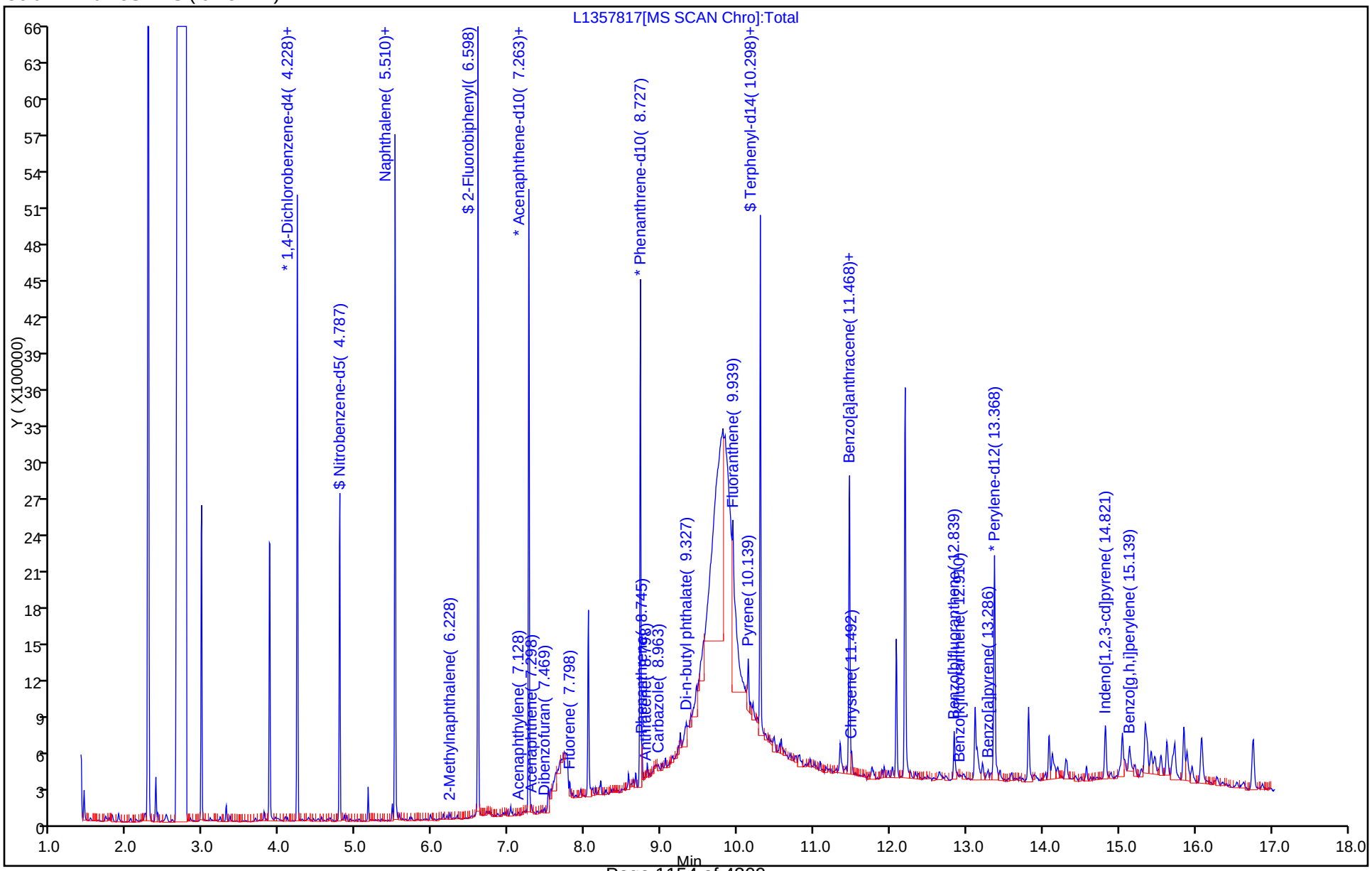
Report Date: 24-Aug-2016 11:15:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357817.D

Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12	Worklist Smp#:	21
Client ID:	SB-5 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



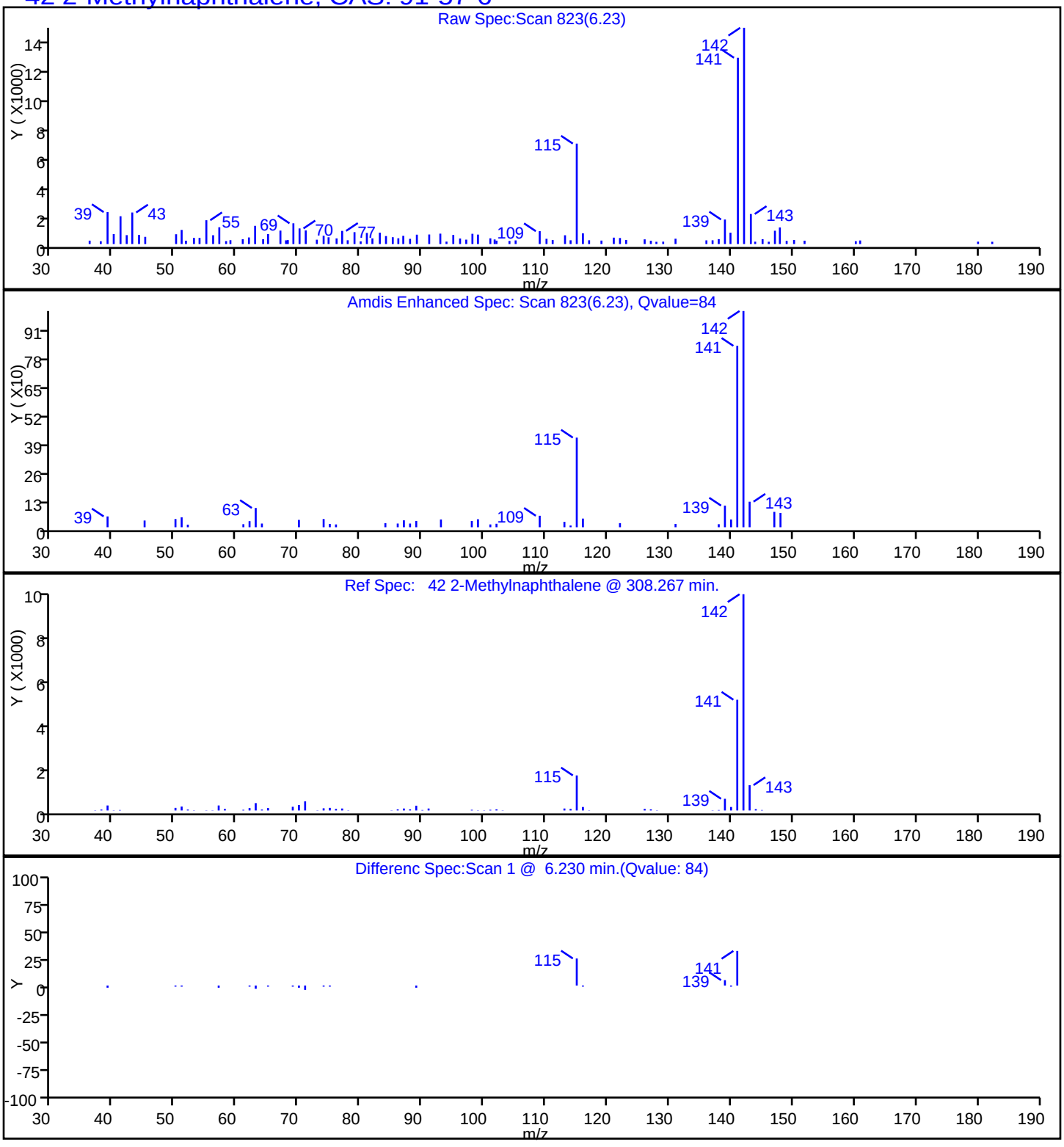
Report Date: 24-Aug-2016 11:15:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357817.D

Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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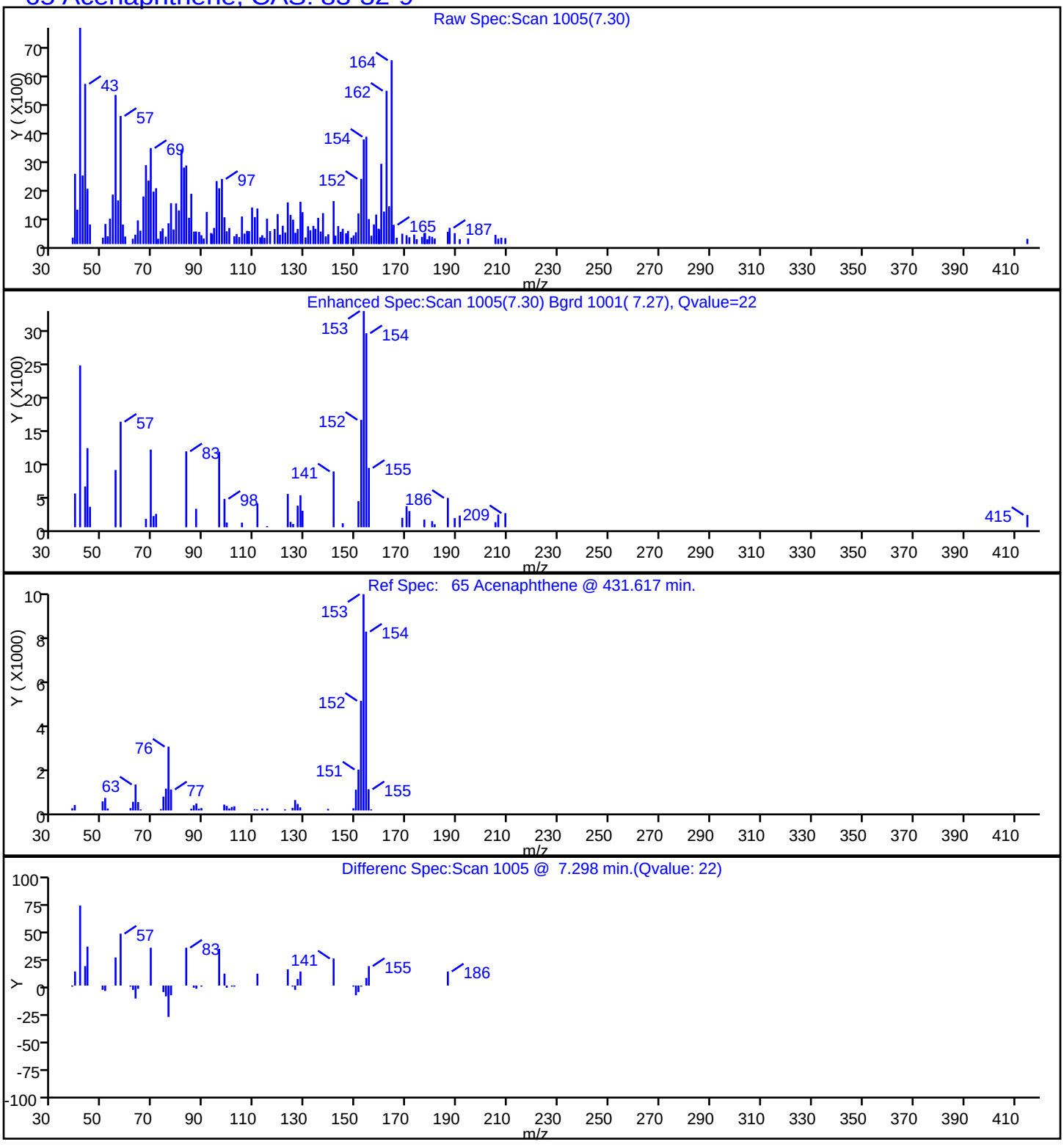
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357817.D

Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9



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TestAmerica Edison

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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
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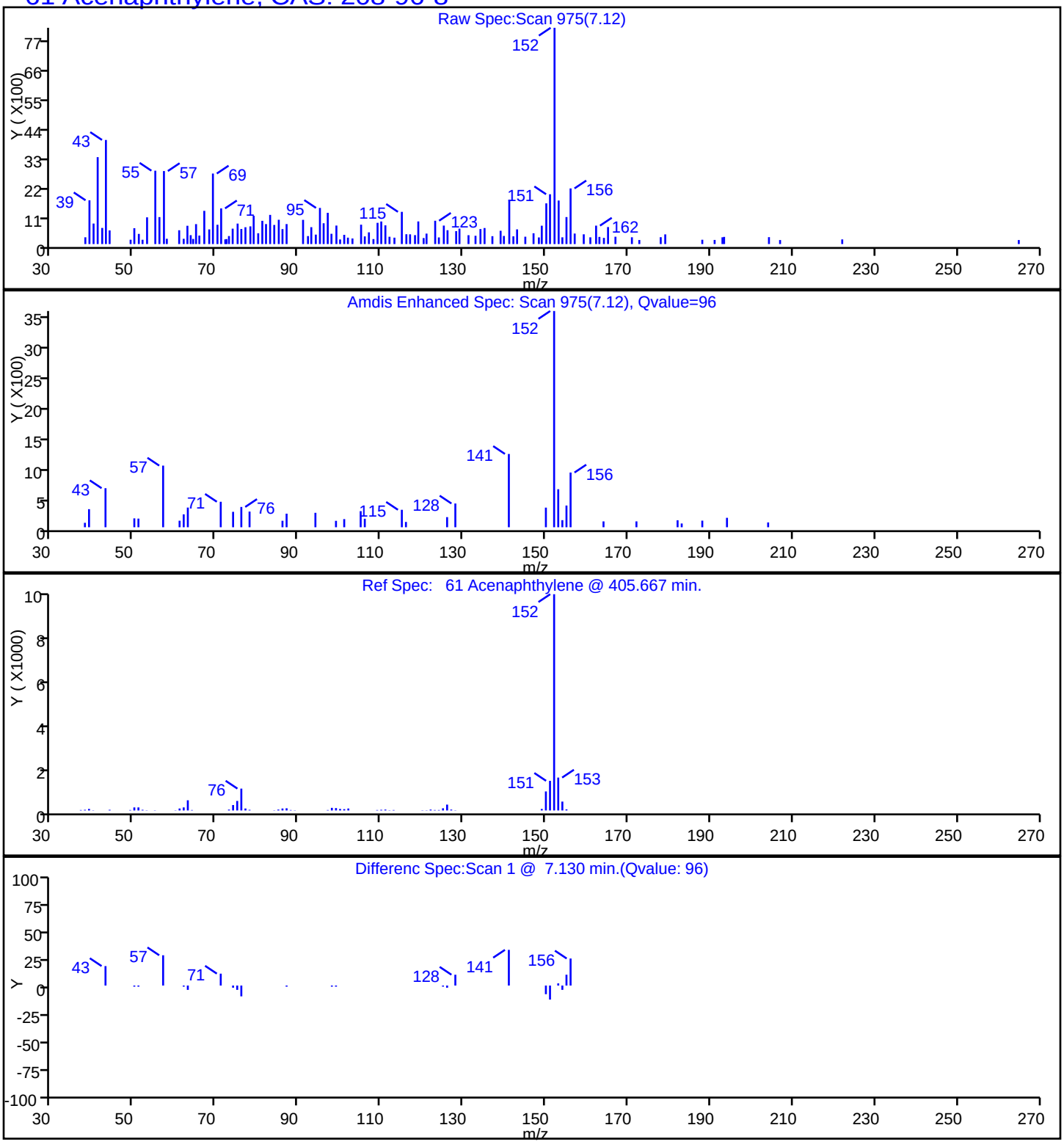
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8



Report Date: 24-Aug-2016 11:15:56 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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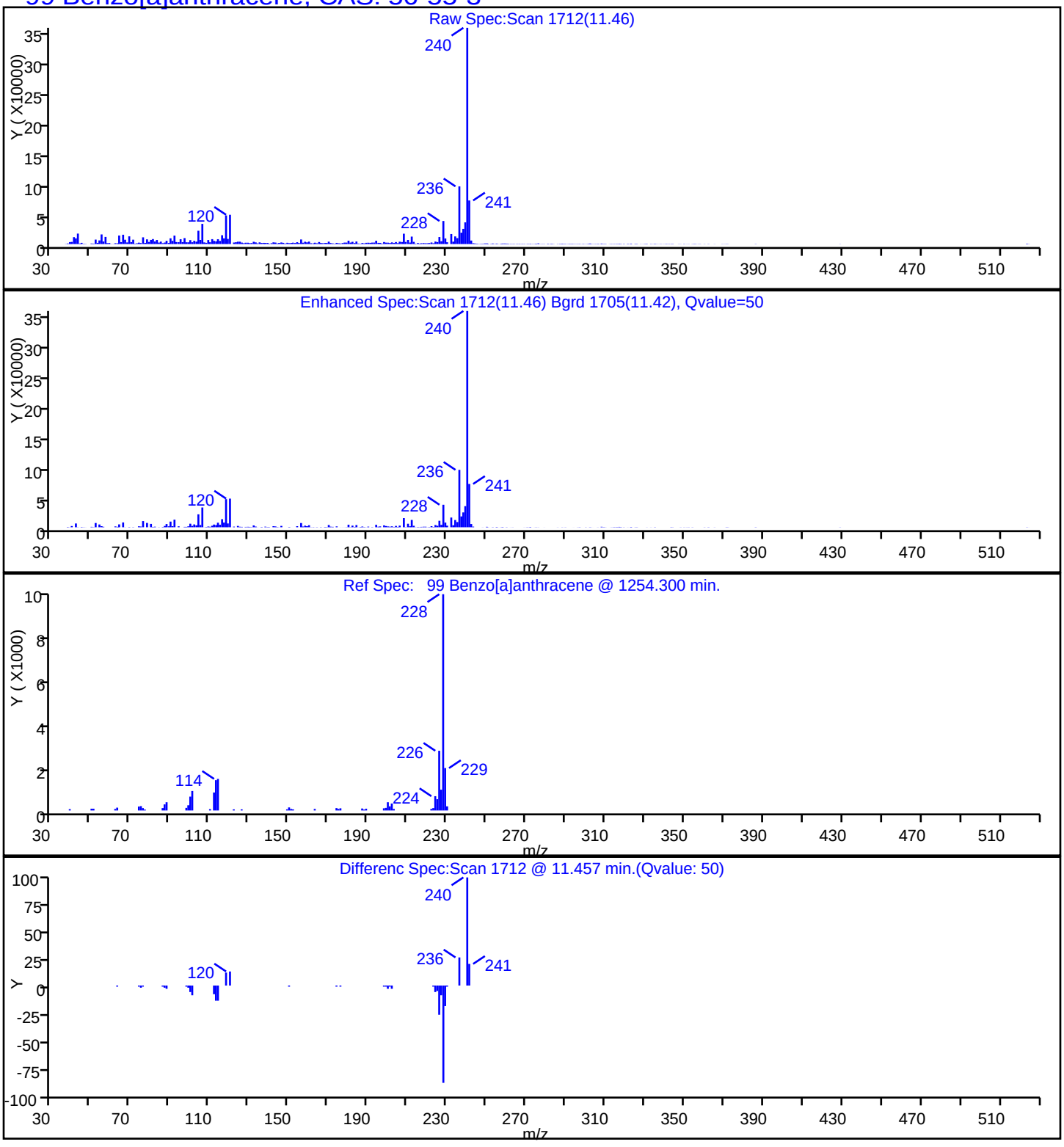
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 11:15:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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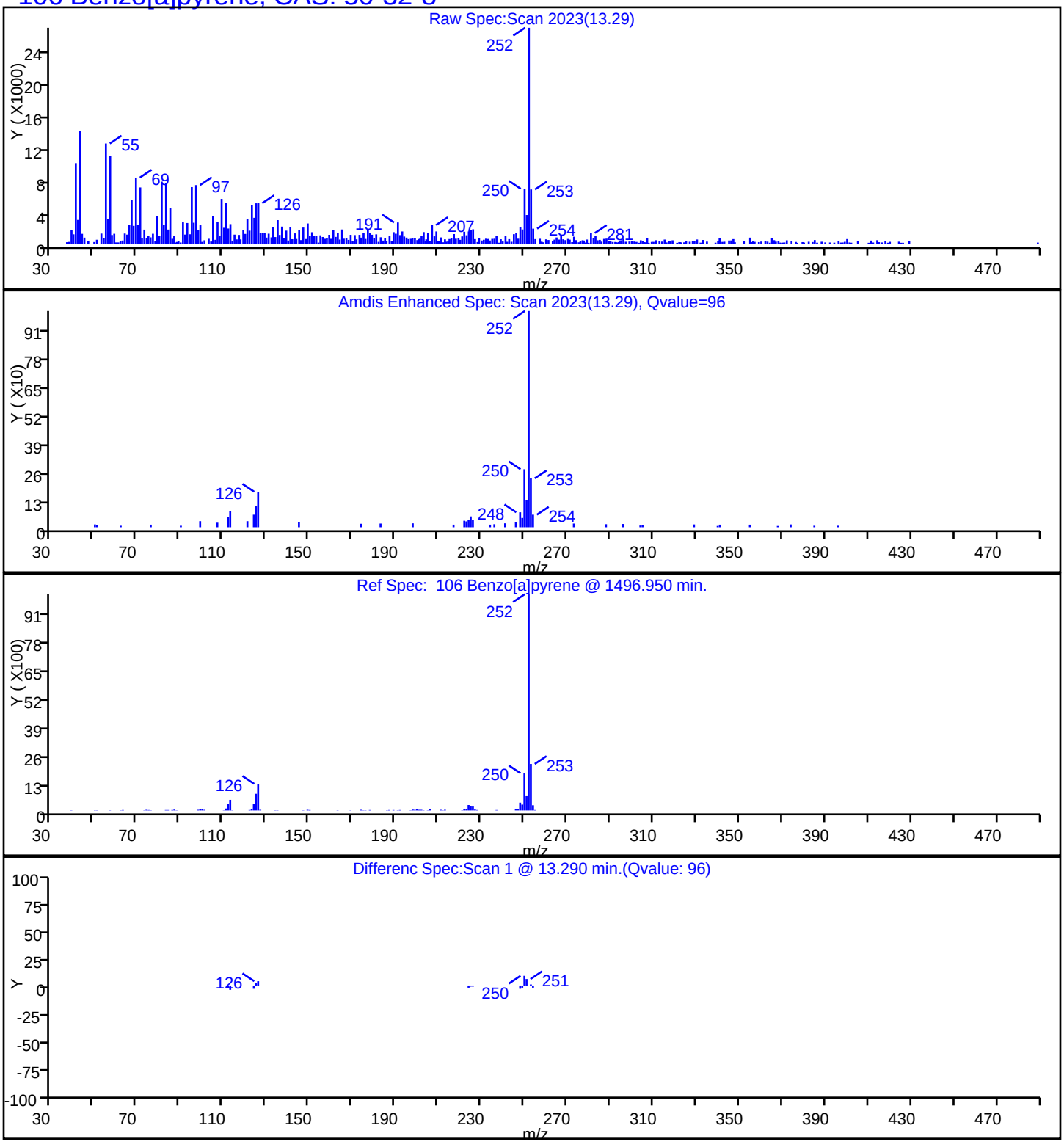
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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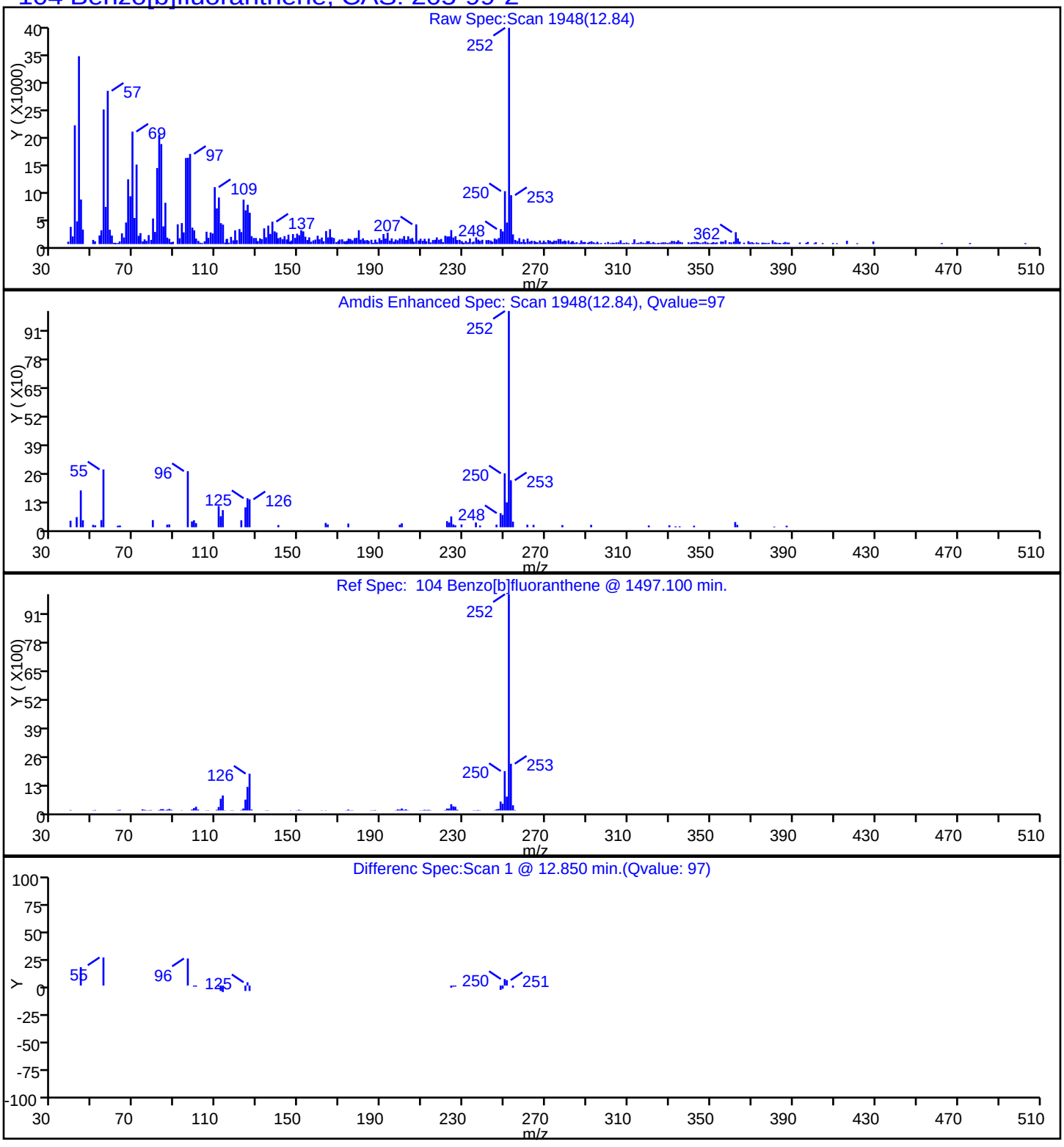
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357817.D

Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
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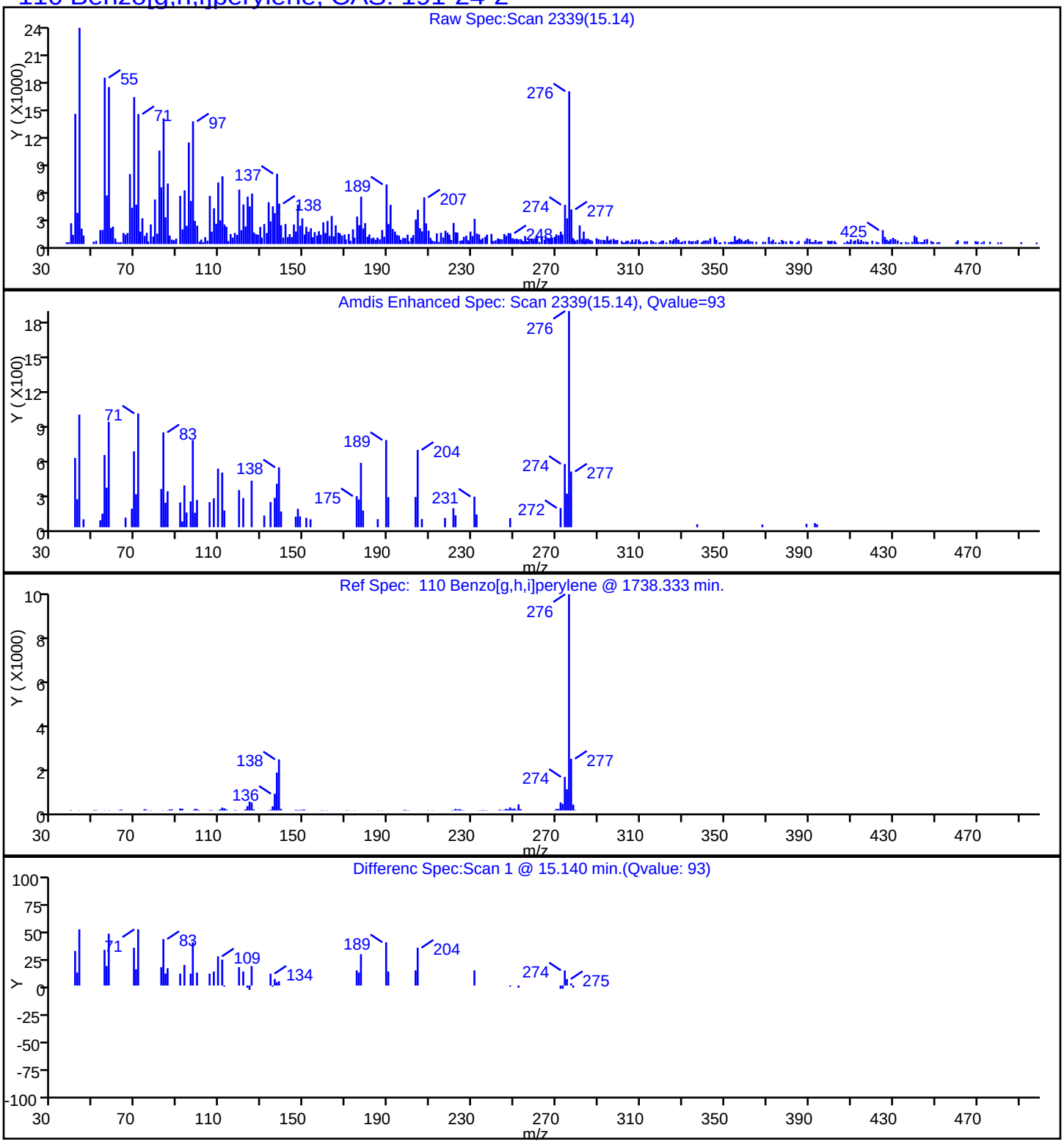
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

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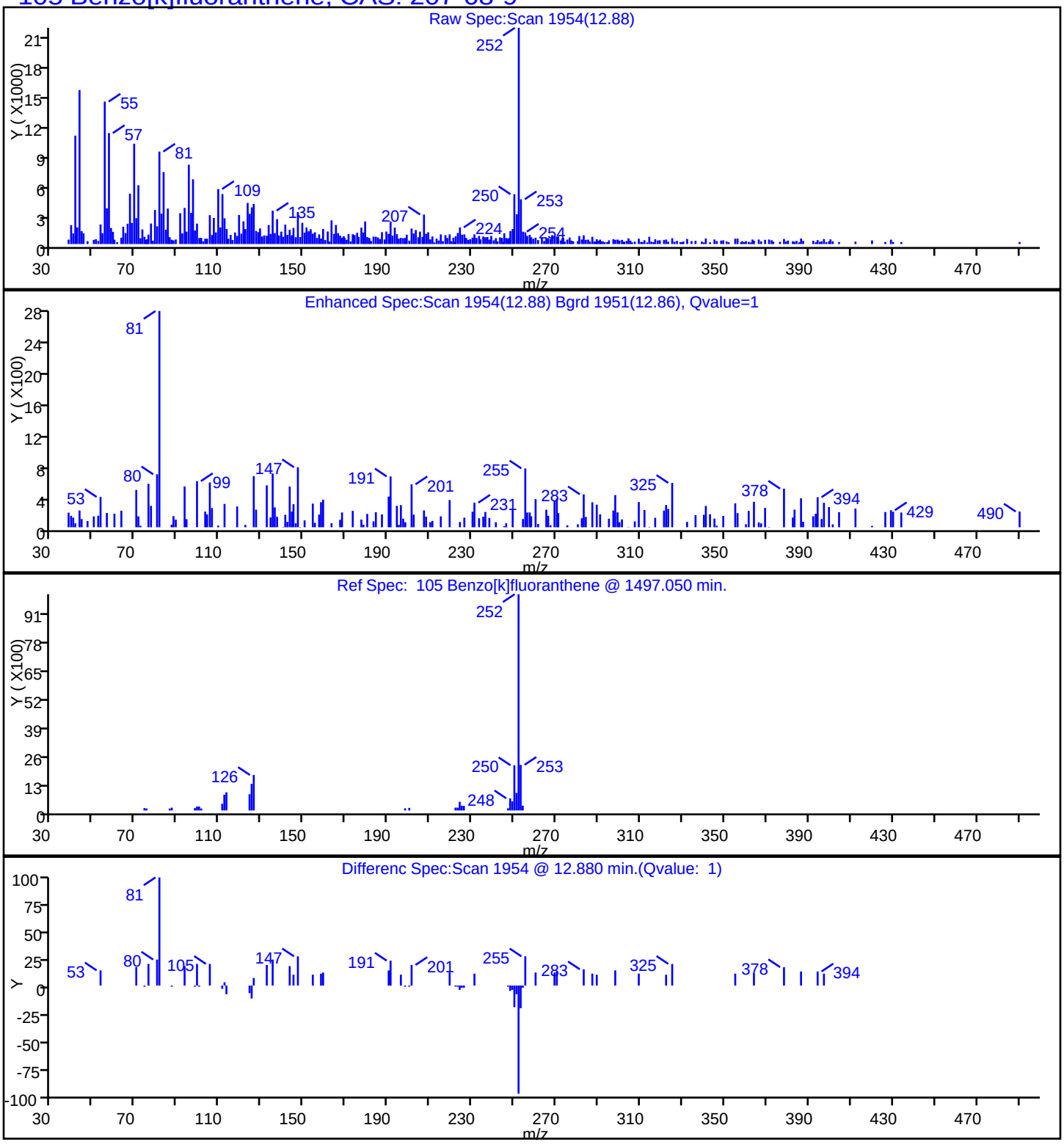
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 11:15:56 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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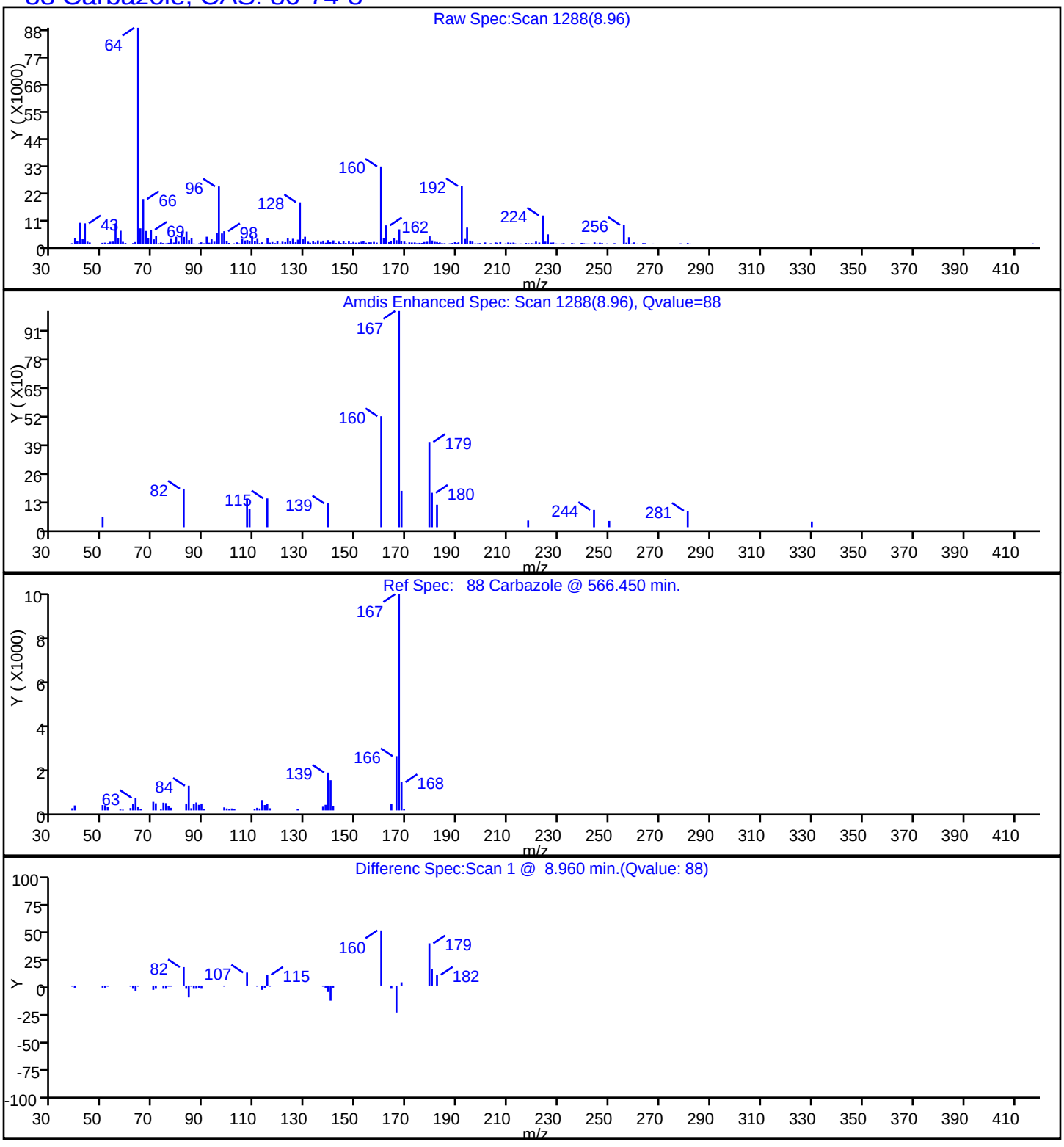
Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Carbazole, CAS: 86-74-8



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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
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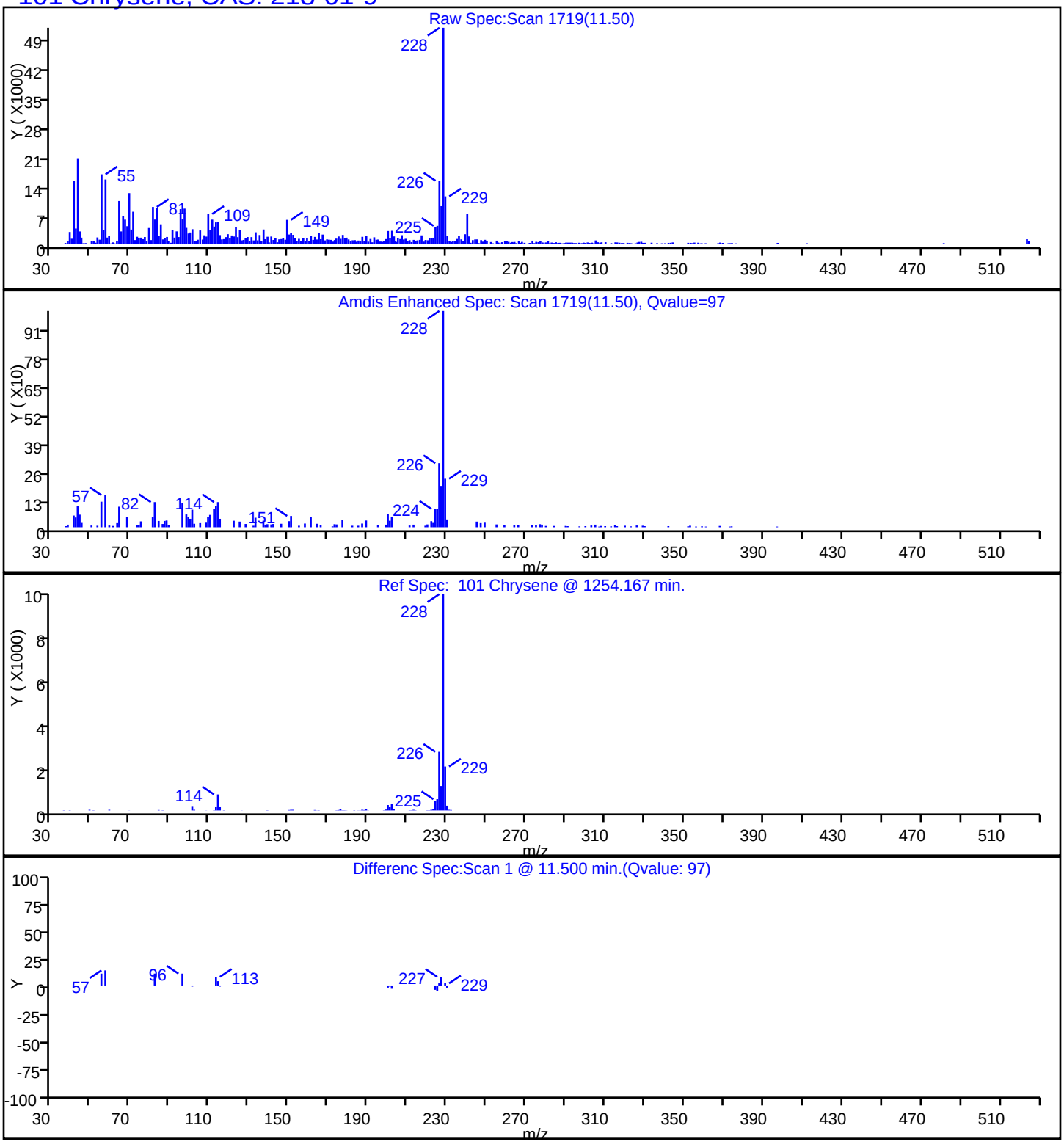
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



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TestAmerica Edison

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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
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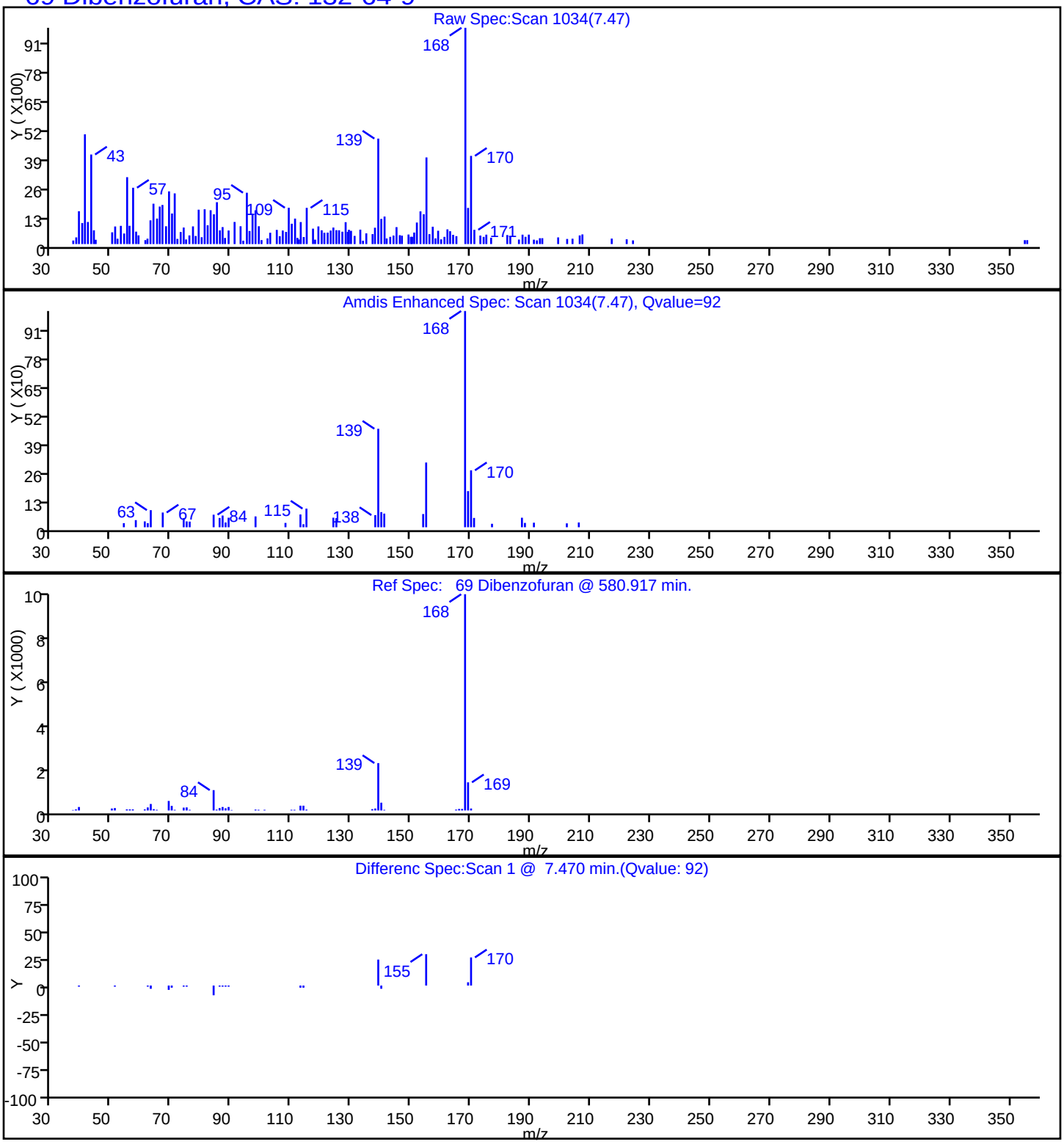
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 Dibenzofuran, CAS: 132-64-9



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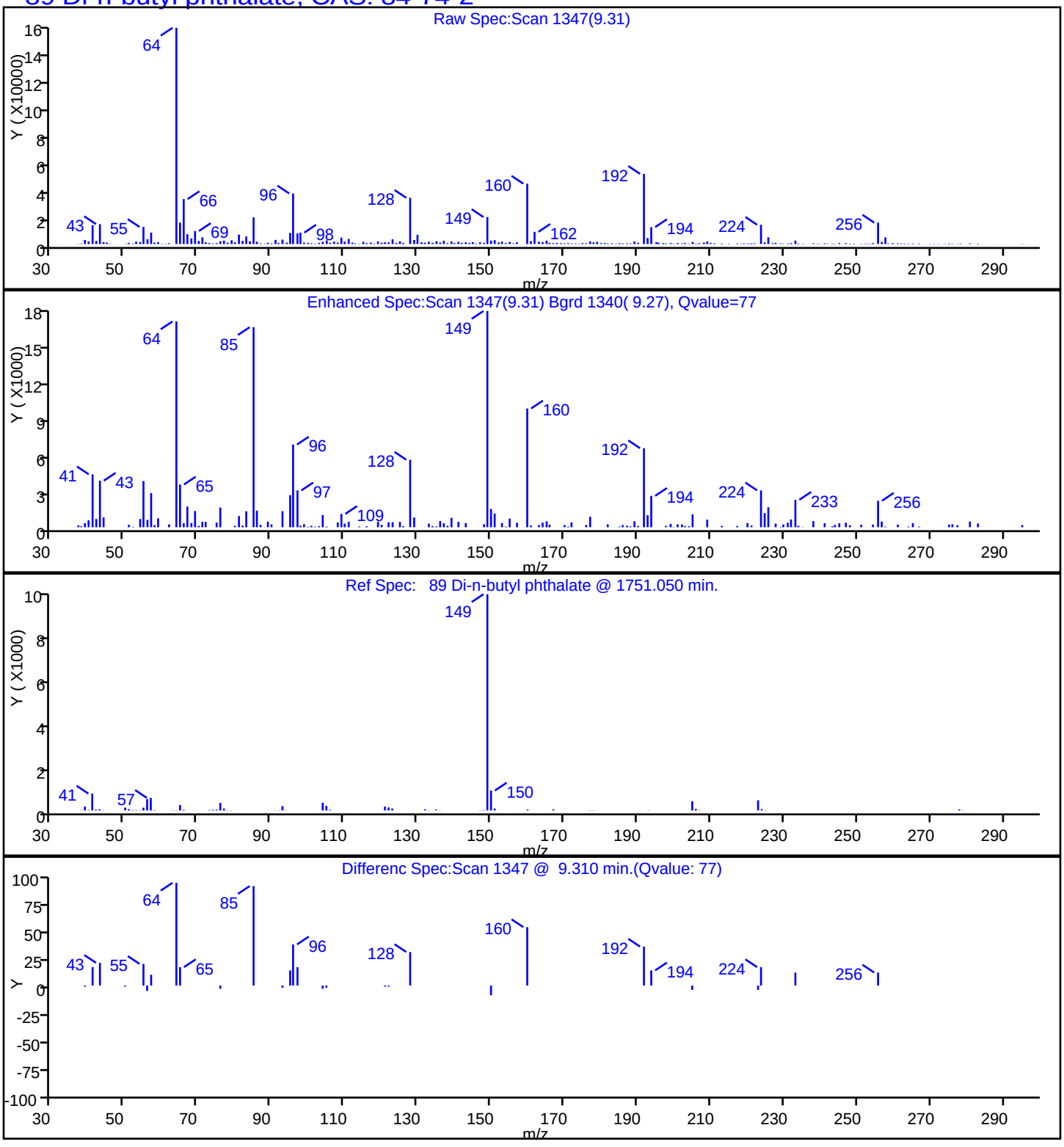
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
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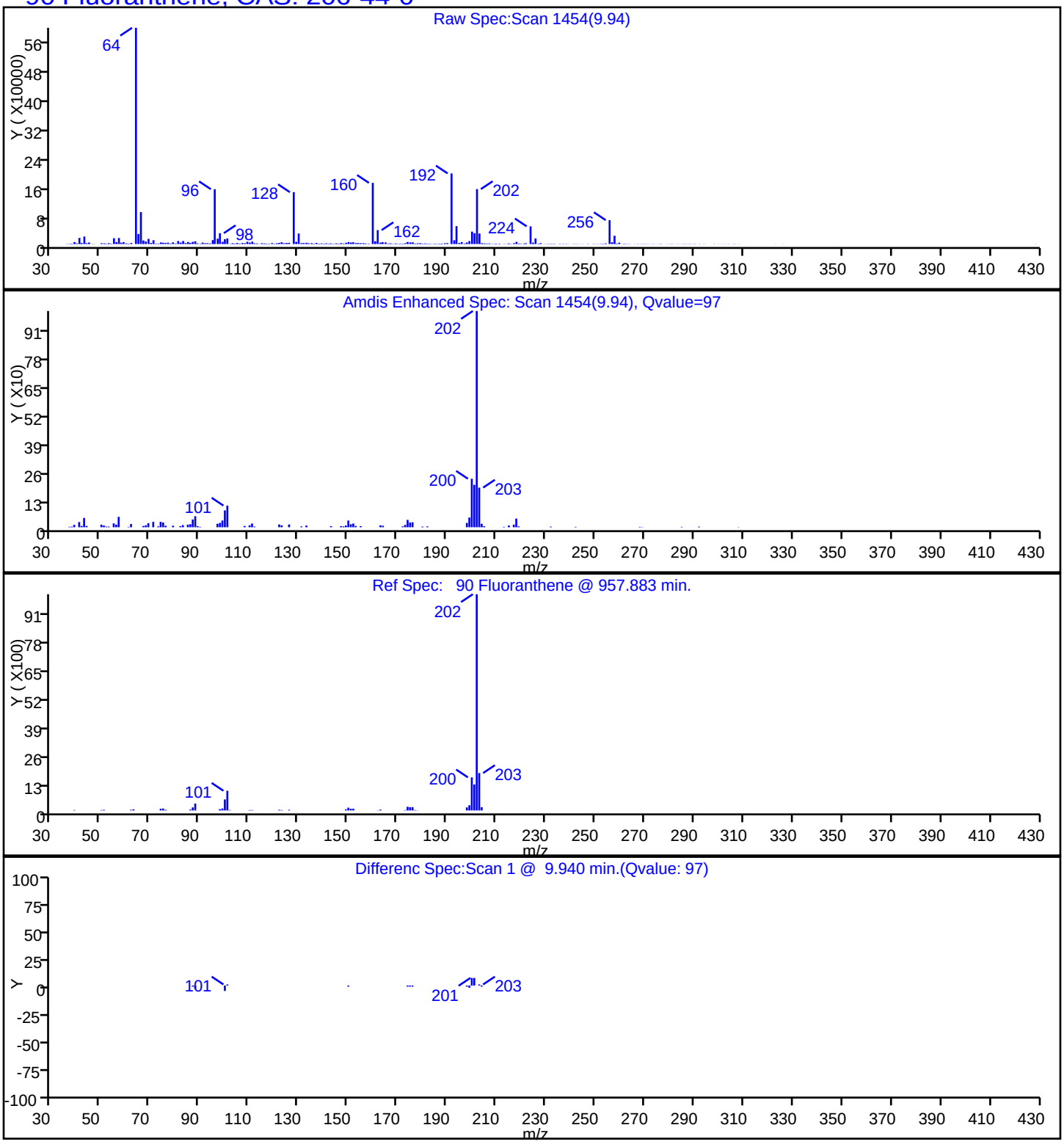
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
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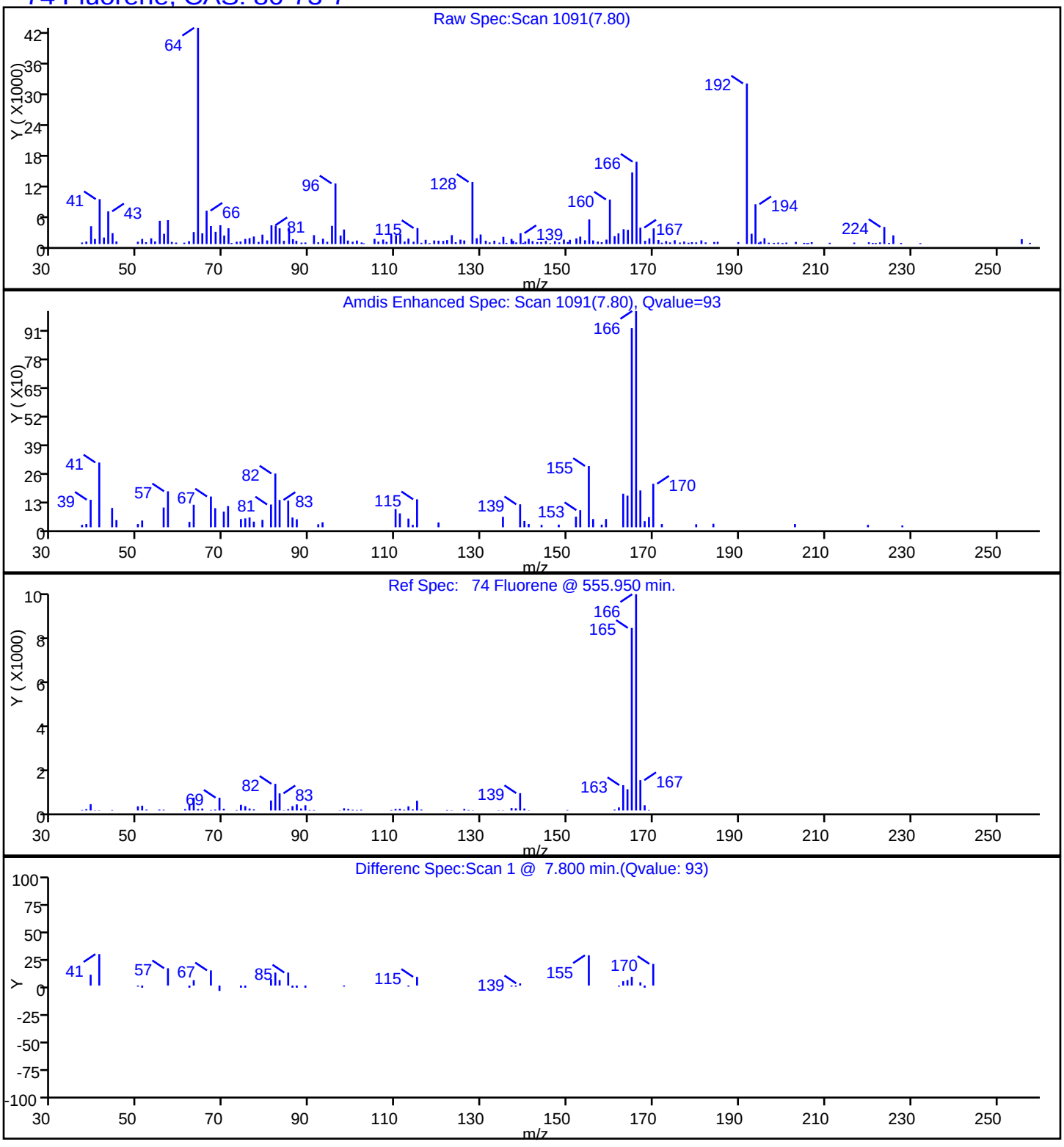
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7



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TestAmerica Edison

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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
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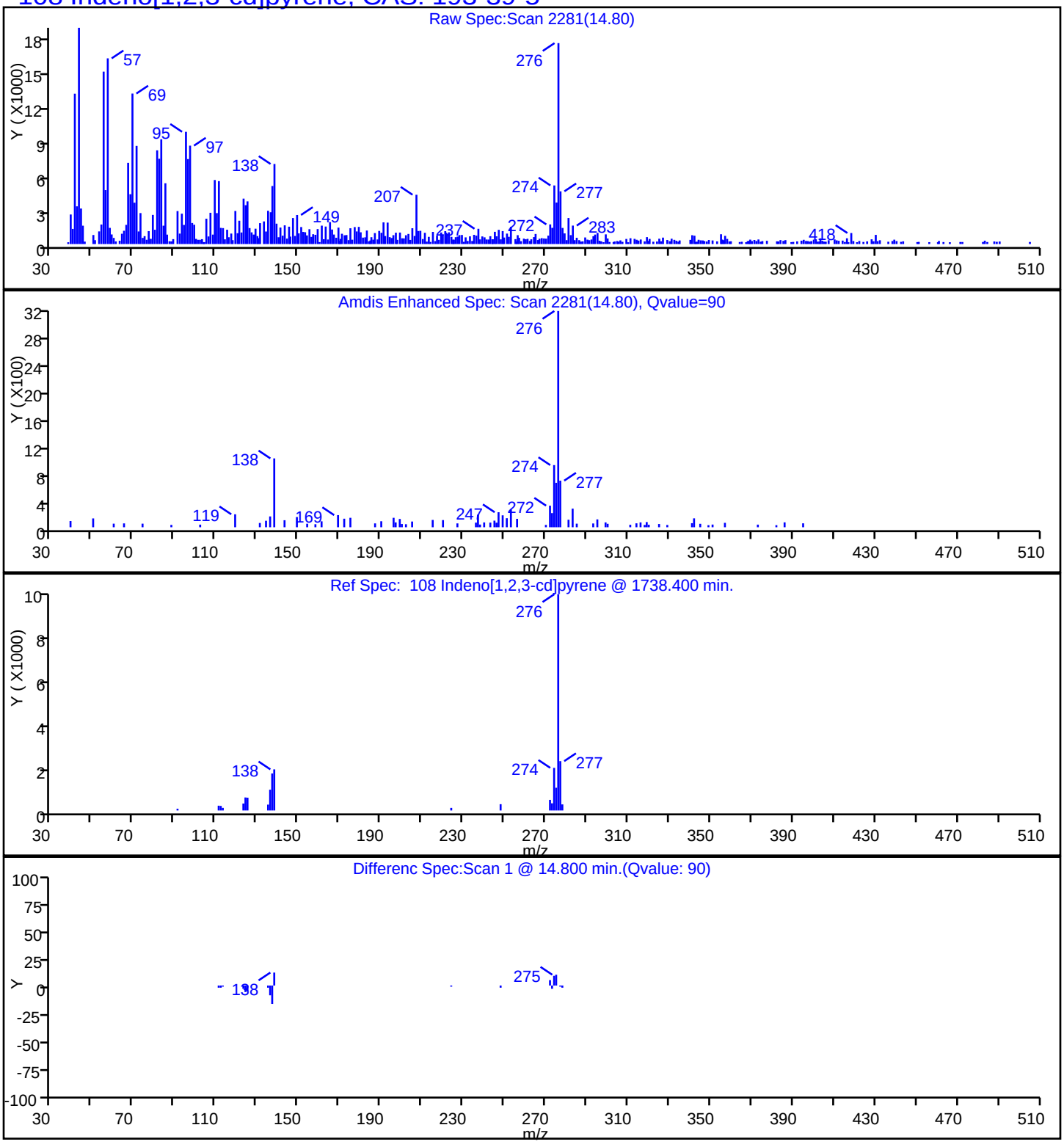
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

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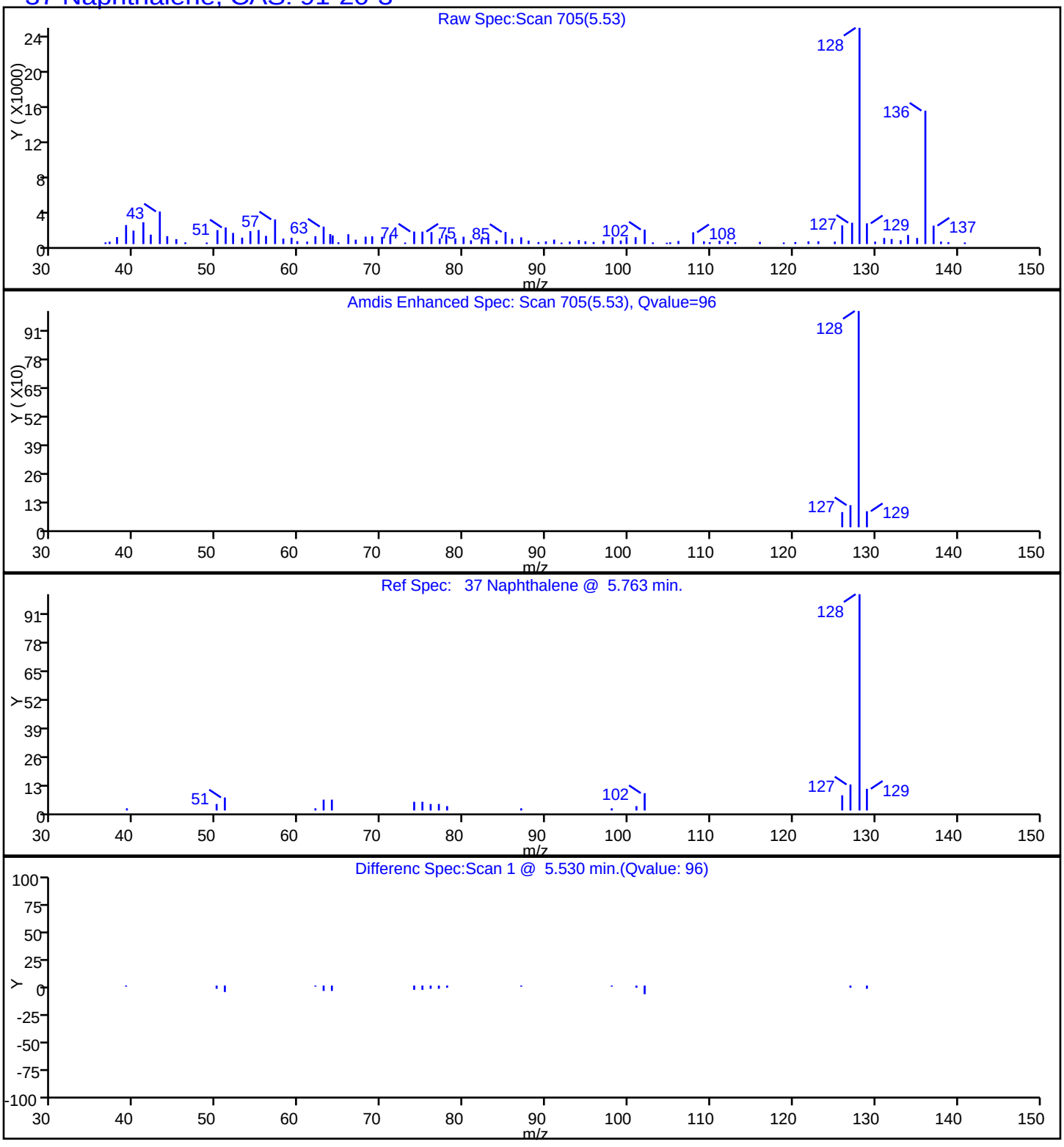
37 Naphthalene, CAS: 91-20-3



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TestAmerica Edison

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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
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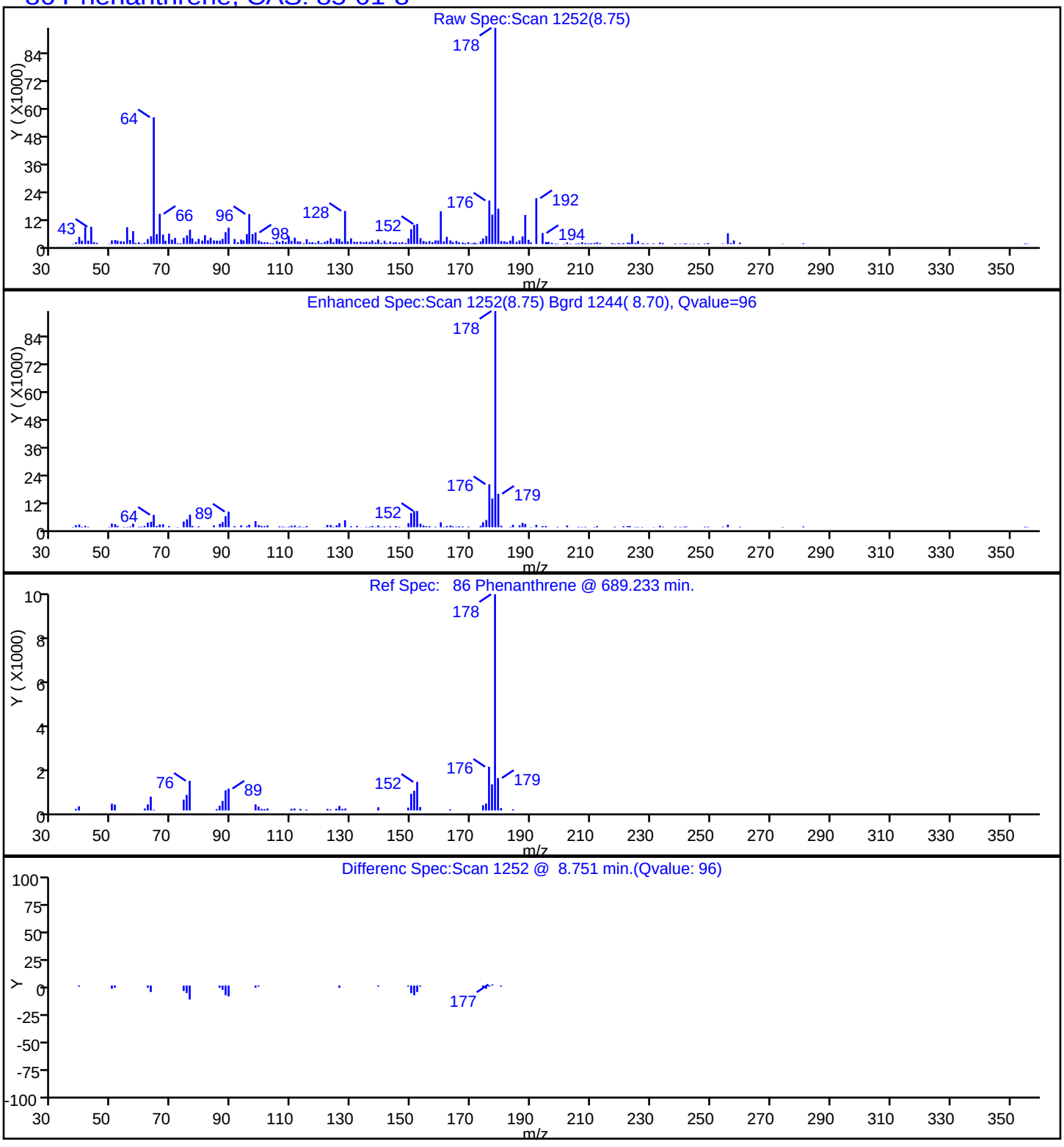
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



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TestAmerica Edison

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Injection Date:	23-Aug-2016 15:40:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-E-12-A	Lab Sample ID:	460-118857-12		
Client ID:	SB-5 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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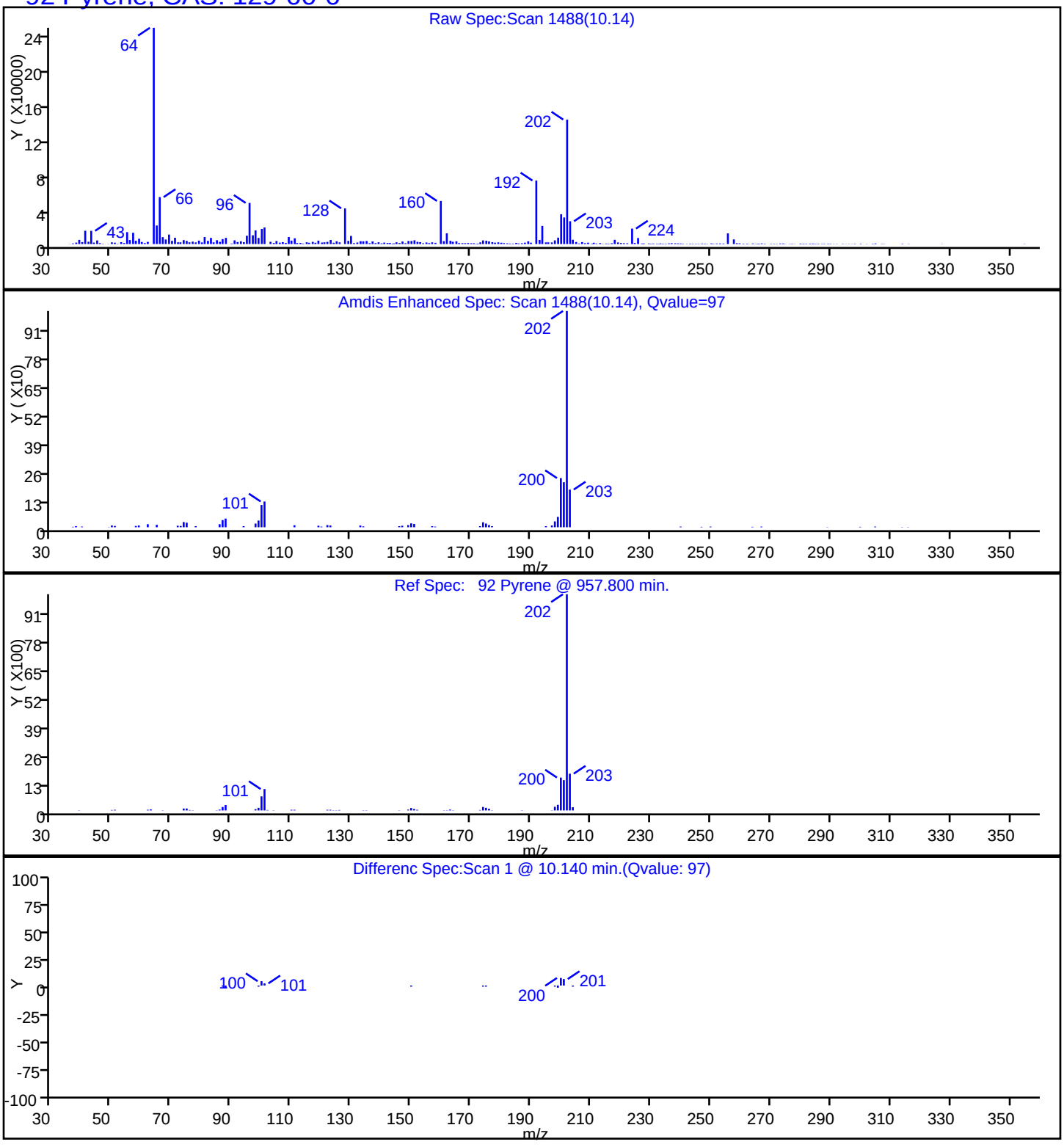
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (2-4) 08182016 | Lab Sample ID: 460-118857-13

Matrix: Solid | Lab File ID: L1357810.D

Analysis Method: 8270D | Date Collected: 08/18/2016 14:42

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0298(g) | Date Analyzed: 08/23/2016 12:49

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	36	U	36	8.1
95-50-1	1,2-Dichlorobenzene	360	U	360	12
541-73-1	1,3-Dichlorobenzene	360	U	360	28
106-46-7	1,4-Dichlorobenzene	360	U	360	29
108-60-1	2,2'-oxybis[1-chloropropane]	360	U	360	15
121-14-2	2,4-Dinitrotoluene	74	U	74	14
606-20-2	2,6-Dinitrotoluene	74	U	74	19
91-58-7	2-Chloronaphthalene	360	U	360	8.3
91-57-6	2-Methylnaphthalene	360	U	360	8.1
88-74-4	2-Nitroaniline	360	U	360	12
91-94-1	3,3'-Dichlorobenzidine	150	U	150	41
99-09-2	3-Nitroaniline	360	U	360	11
101-55-3	4-Bromophenyl phenyl ether	360	U	360	11
106-47-8	4-Chloroaniline	360	U	360	9.4
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	11
100-01-6	4-Nitroaniline	360	U	360	14
83-32-9	Acenaphthene	360	U	360	8.8
208-96-8	Acenaphthylene	360	U	360	9.4
120-12-7	Anthracene	360	U	360	35
56-55-3	Benzo[a]anthracene	36	U	36	31
50-32-8	Benzo[a]pyrene	11	J	36	11
205-99-2	Benzo[b]fluoranthene	19	J	36	14
191-24-2	Benzo[g,h,i]perylene	360	U	360	21
207-08-9	Benzo[k]fluoranthene	36	U	36	16
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	11
111-44-4	Bis(2-chloroethyl)ether	36	U	36	8.6
117-81-7	Bis(2-ethylhexyl) phthalate	37	J	360	14
85-68-7	Butyl benzyl phthalate	360	U	360	11
86-74-8	Carbazole	360	U	360	9.1
218-01-9	Chrysene	360	U	360	10
53-70-3	Dibenz(a,h)anthracene	36	U	36	19
132-64-9	Dibenzofuran	360	U	360	11
84-66-2	Diethyl phthalate	360	U	360	10
131-11-3	Dimethyl phthalate	360	U	360	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (2-4) 08182016 | Lab Sample ID: 460-118857-13

Matrix: Solid | Lab File ID: L1357810.D

Analysis Method: 8270D | Date Collected: 08/18/2016 14:42

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0298(g) | Date Analyzed: 08/23/2016 12:49

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	28	J	360	11
117-84-0	Di-n-octyl phthalate	360	U	360	19
206-44-0	Fluoranthene	16	J	360	11
86-73-7	Fluorene	360	U	360	8.0
118-74-1	Hexachlorobenzene	36	U	36	15
87-68-3	Hexachlorobutadiene	74	U	74	10
77-47-4	Hexachlorocyclopentadiene	360	U	360	23
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	36	U	36	24
78-59-1	Isophorone	150	U	150	7.9
91-20-3	Naphthalene	360	U	360	9.3
98-95-3	Nitrobenzene	36	U	36	11
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	12
86-30-6	N-Nitrosodiphenylamine	360	U	360	33
85-01-8	Phenanthrene	360	U	360	9.7
129-00-0	Pyrene	17	J	360	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	75		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	69		37-94
1718-51-0	Terphenyl-d14 (Surr)	79		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357810.D
Lims ID: 460-118857-F-13-A
Client ID: SB-7 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 12:49:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-014
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 14:42:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.234	4.228	0.006	95	889296	40.0	
$ 26 Nitrobenzene-d5	82	4.787	4.792	-0.005	88	889843	34.5	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2945026	40.0	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	97	2099623	37.4	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1554157	40.0	
* 85 Phenanthrene-d10	188	8.728	8.728	0.000	98	2167071	40.0	
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	99	24076	0.3744	
90 Fluoranthene	202	9.916	9.916	0.000	97	13132	0.2133	
92 Pyrene	202	10.139	10.139	0.000	97	12026	0.2342	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1518898	39.7	
* 100 Chrysene-d12	240	11.469	11.469	0.000	99	1435440	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	82	15950	0.5034	
104 Benzo[b]fluoranthene	252	12.851	12.851	0.000	95	8540	0.2551	
105 Benzo[k]fluoranthene	252	12.874	12.886	-0.012	89	3167	0.0902	
106 Benzo[a]pyrene	252	13.286	13.292	-0.006	92	4601	0.1450	
* 107 Perylene-d12	264	13.368	13.368	0.000	99	1162461	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.804	14.809	-0.005	49	3206	0.0927	

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

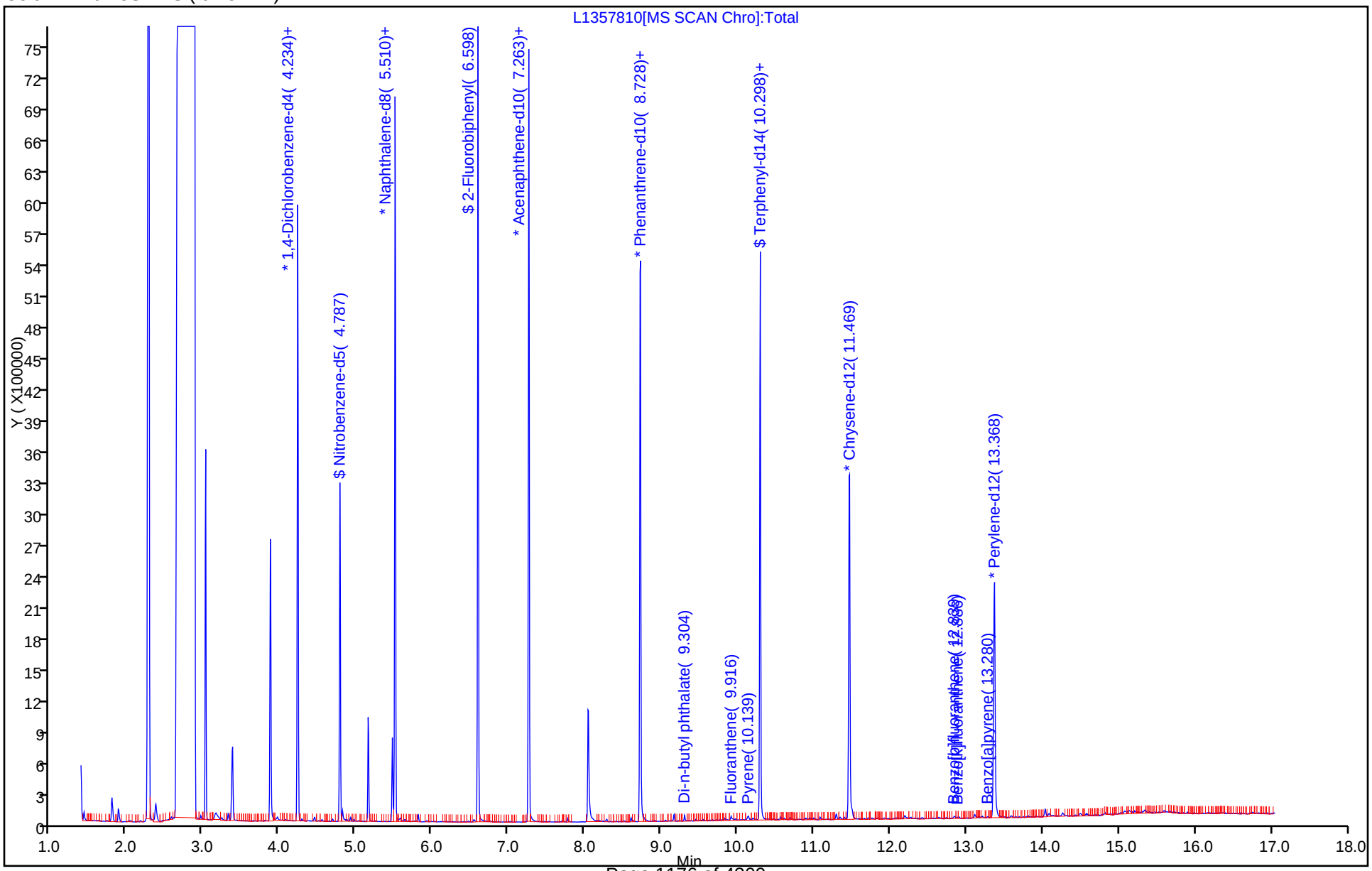
Report Date: 23-Aug-2016 17:01:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357810.D

Injection Date:	23-Aug-2016 12:49:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-13-A	Lab Sample ID:	460-118857-13	Worklist Smp#:	14
Client ID:	SB-7 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



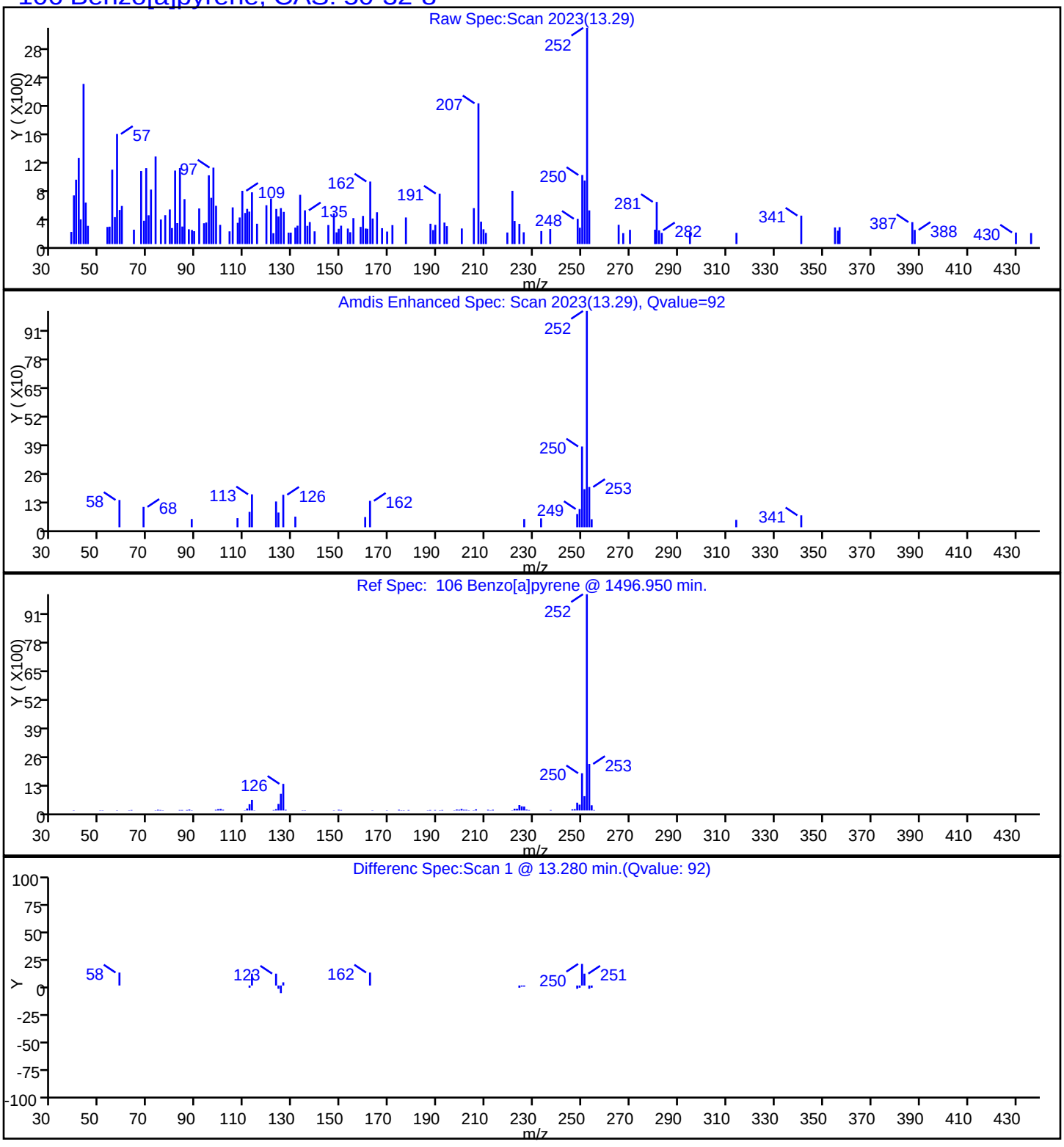
Report Date: 23-Aug-2016 17:01:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357810.D

Injection Date:	23-Aug-2016 12:49:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-13-A	Lab Sample ID:	460-118857-13		
Client ID:	SB-7 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



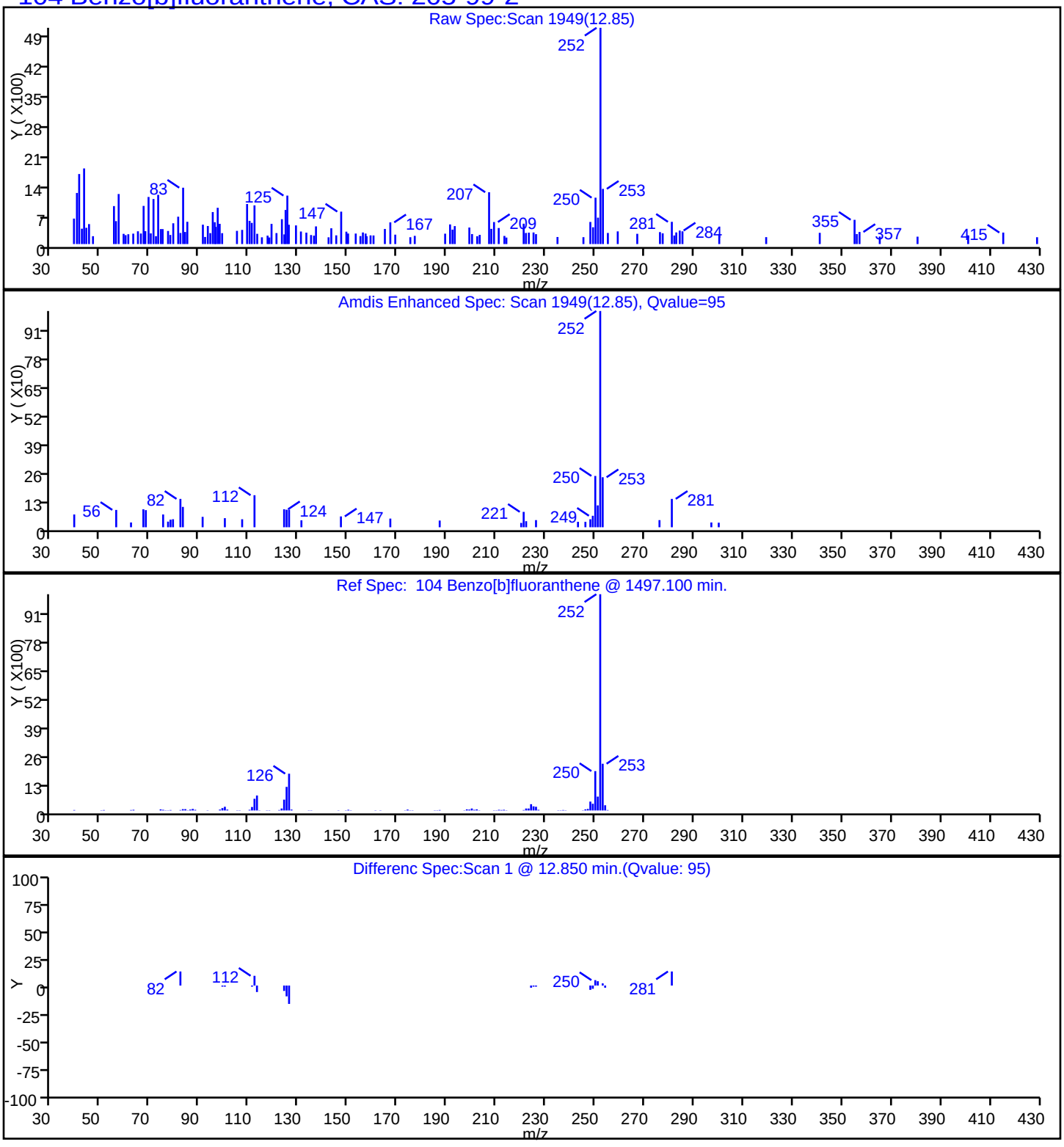
Report Date: 23-Aug-2016 17:01:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357810.D

Injection Date:	23-Aug-2016 12:49:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-13-A	Lab Sample ID:	460-118857-13		
Client ID:	SB-7 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

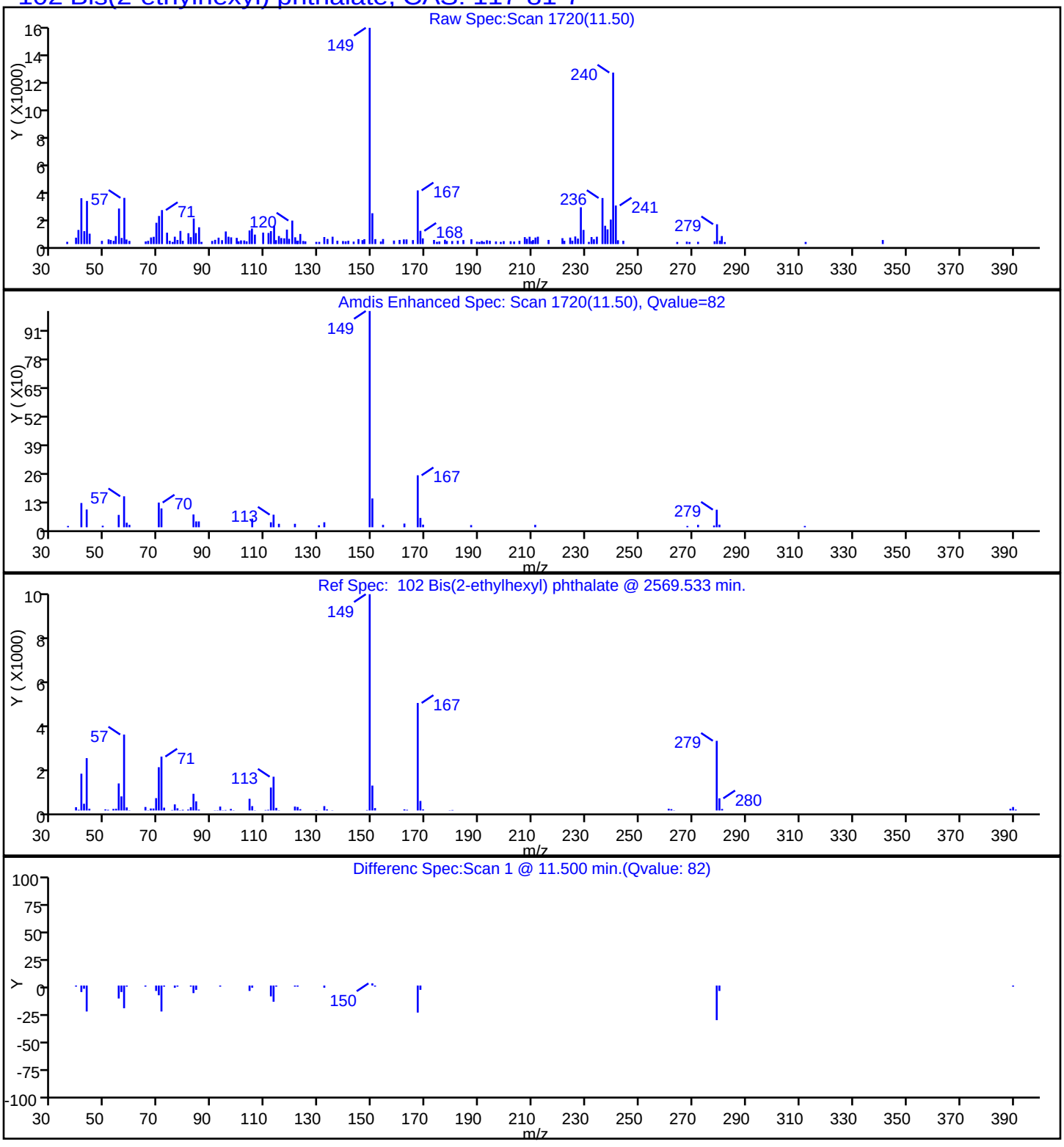


Report Date: 23-Aug-2016 17:01:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357810.D				
Injection Date:	23-Aug-2016 12:49:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-13-A	Lab Sample ID:	460-118857-13		
Client ID:	SB-7 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



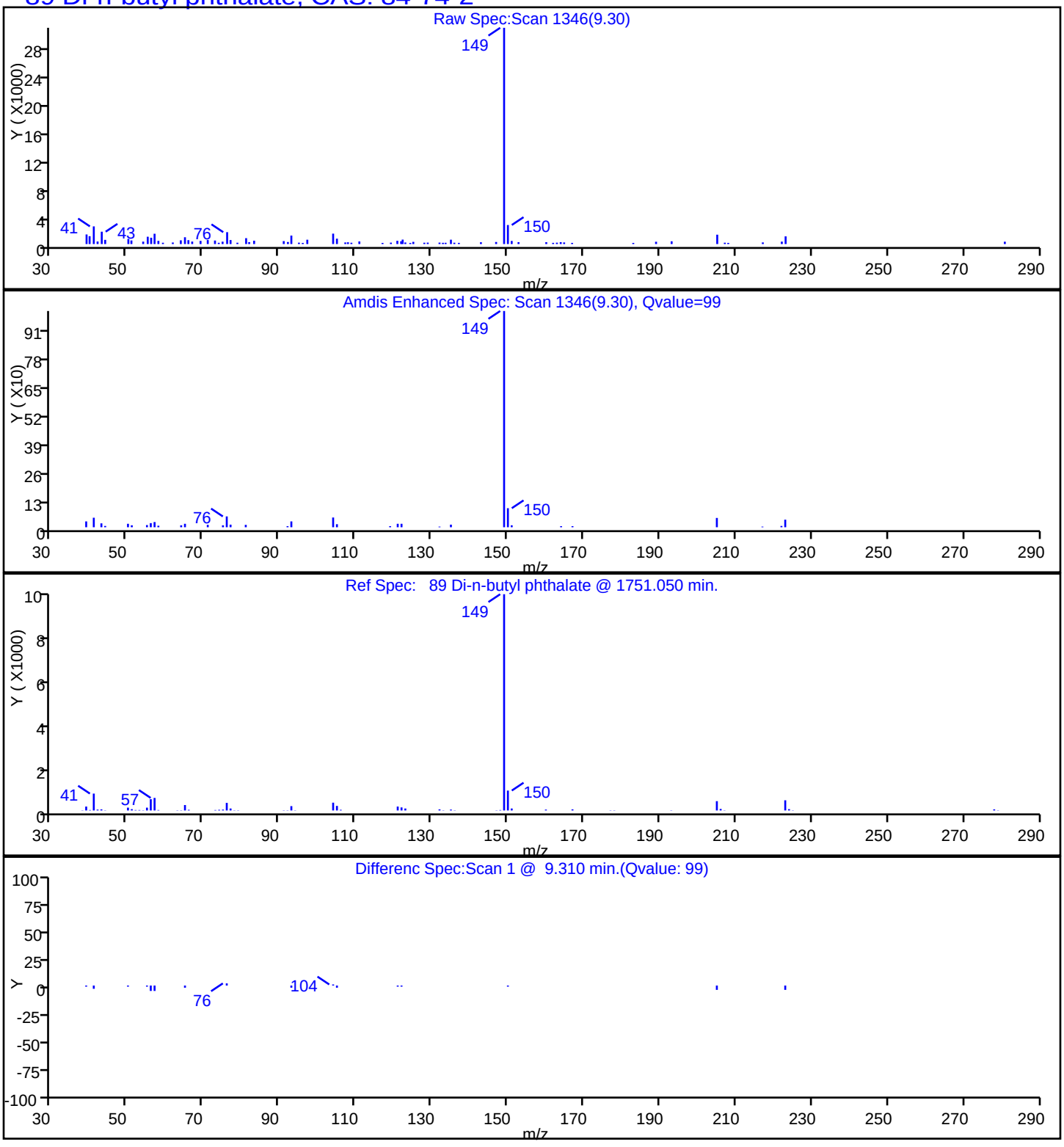
Report Date: 23-Aug-2016 17:01:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357810.D

Injection Date:	23-Aug-2016 12:49:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-13-A	Lab Sample ID:	460-118857-13		
Client ID:	SB-7 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



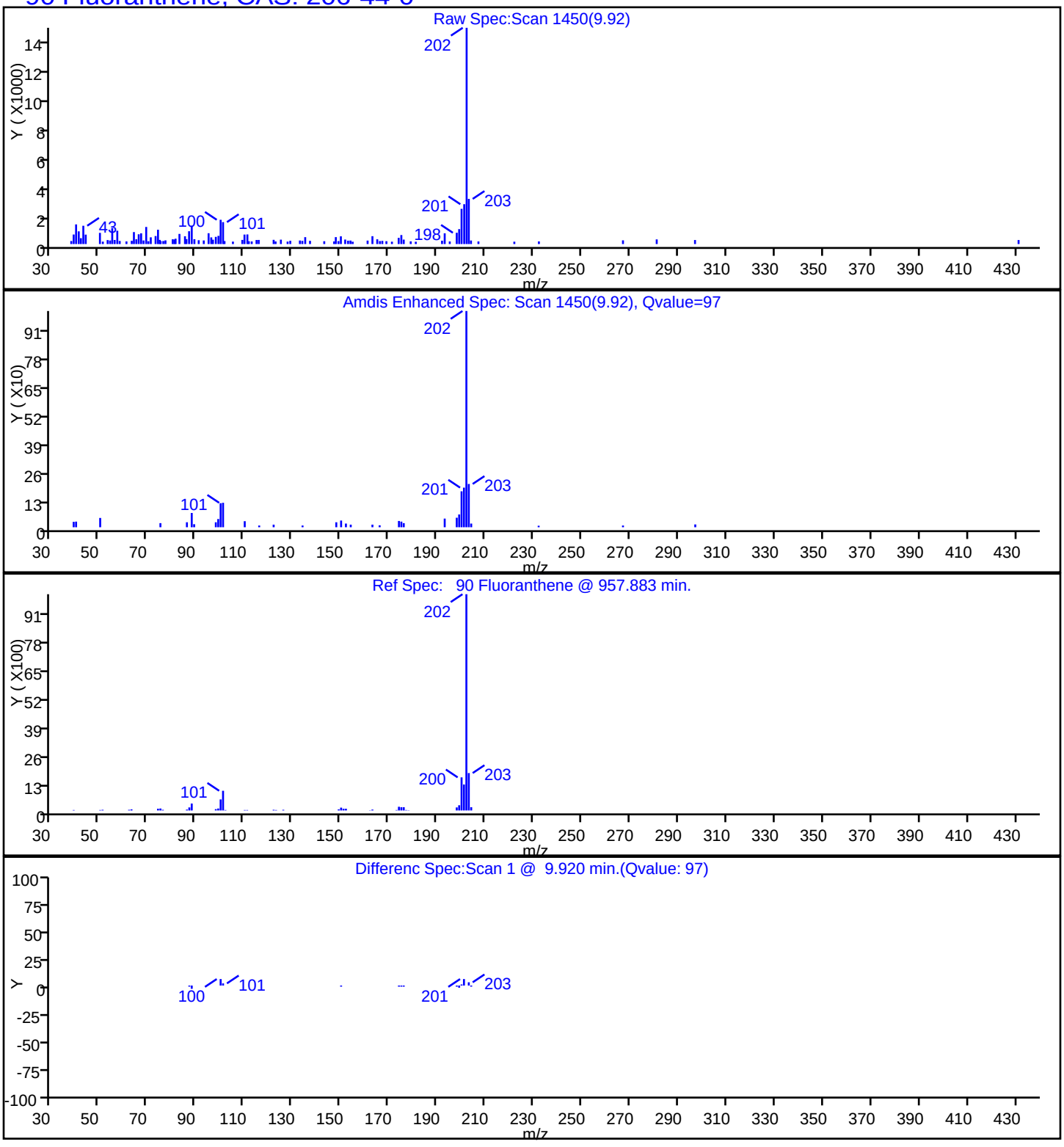
Report Date: 23-Aug-2016 17:01:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357810.D

Injection Date:	23-Aug-2016 12:49:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-13-A	Lab Sample ID:	460-118857-13		
Client ID:	SB-7 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



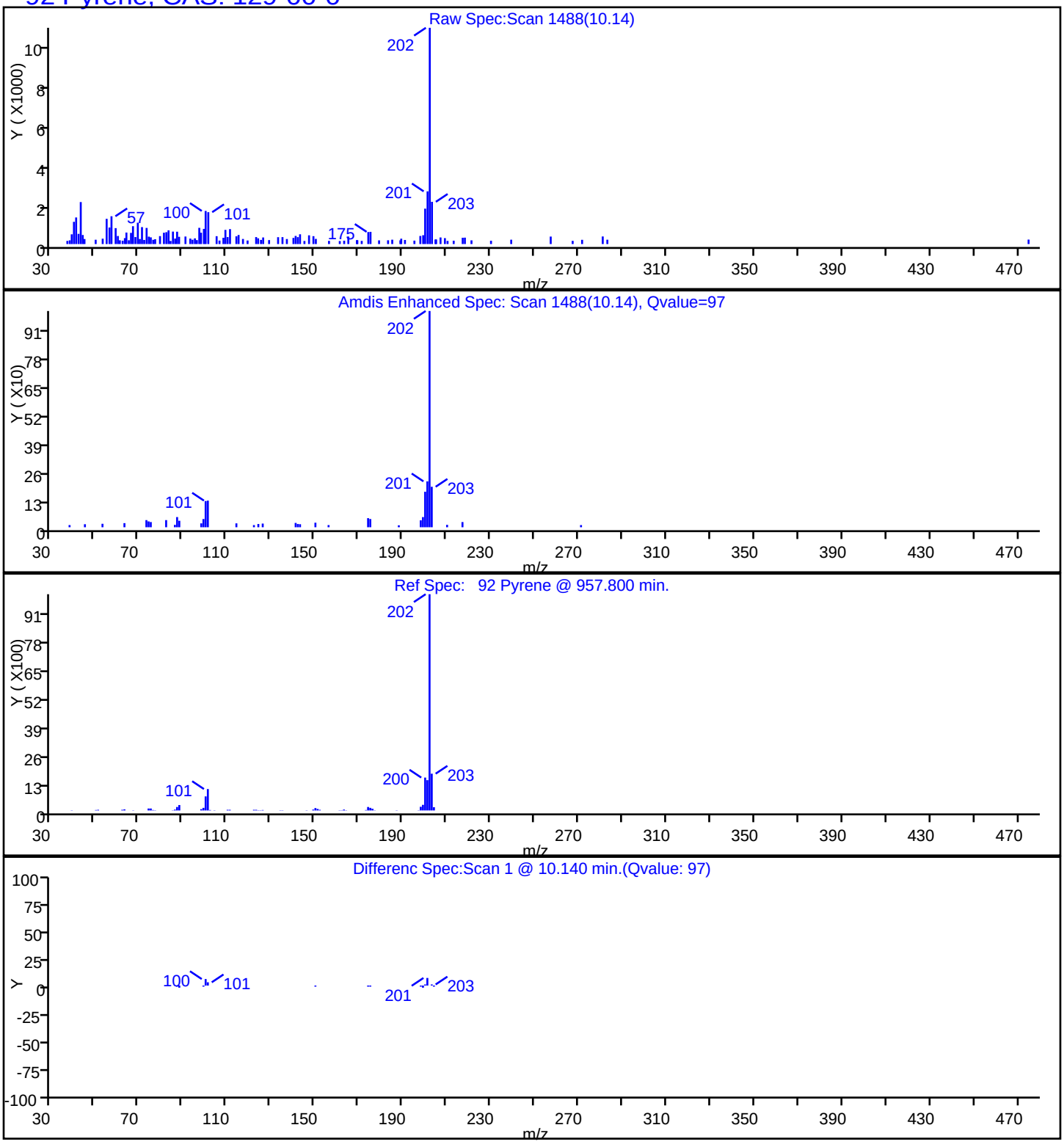
Report Date: 23-Aug-2016 17:01:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357810.D

Injection Date:	23-Aug-2016 12:49:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-13-A	Lab Sample ID:	460-118857-13		
Client ID:	SB-7 (2-4) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (13-15) 08182016 | Lab Sample ID: 460-118857-14

Matrix: Solid | Lab File ID: L1357811.D

Analysis Method: 8270D | Date Collected: 08/18/2016 14:50

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0165(g) | Date Analyzed: 08/23/2016 13:14

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 4.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	34	U	34	7.6
95-50-1	1,2-Dichlorobenzene	340	U	340	12
541-73-1	1,3-Dichlorobenzene	340	U	340	27
106-46-7	1,4-Dichlorobenzene	340	U	340	27
108-60-1	2,2'-oxybis[1-chloropropane]	340	U	340	14
121-14-2	2,4-Dinitrotoluene	70	U	70	14
606-20-2	2,6-Dinitrotoluene	70	U	70	18
91-58-7	2-Chloronaphthalene	340	U	340	7.8
91-57-6	2-Methylnaphthalene	340	U	340	7.6
88-74-4	2-Nitroaniline	340	U	340	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	38
99-09-2	3-Nitroaniline	340	U	340	10
101-55-3	4-Bromophenyl phenyl ether	340	U	340	11
106-47-8	4-Chloroaniline	340	U	340	8.9
7005-72-3	4-Chlorophenyl phenyl ether	340	U	340	10
100-01-6	4-Nitroaniline	340	U	340	13
83-32-9	Acenaphthene	340	U	340	8.3
208-96-8	Acenaphthylene	340	U	340	8.9
120-12-7	Anthracene	340	U	340	33
56-55-3	Benzo[a]anthracene	34	U	34	29
50-32-8	Benzo[a]pyrene	14	J	34	10
205-99-2	Benzo[b]fluoranthene	26	J	34	13
191-24-2	Benzo[g,h,i]perylene	340	U	340	20
207-08-9	Benzo[k]fluoranthene	34	U	34	15
111-91-1	Bis(2-chloroethoxy)methane	340	U	340	11
111-44-4	Bis(2-chloroethyl)ether	34	U	34	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	37	J	340	13
85-68-7	Butyl benzyl phthalate	340	U	340	11
86-74-8	Carbazole	340	U	340	8.5
218-01-9	Chrysene	340	U	340	9.4
53-70-3	Dibenz(a,h)anthracene	34	U	34	18
132-64-9	Dibenzofuran	340	U	340	10
84-66-2	Diethyl phthalate	340	U	340	9.8
131-11-3	Dimethyl phthalate	340	U	340	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (13-15) 08182016 | Lab Sample ID: 460-118857-14

Matrix: Solid | Lab File ID: L1357811.D

Analysis Method: 8270D | Date Collected: 08/18/2016 14:50

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0165(g) | Date Analyzed: 08/23/2016 13:14

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 4.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386190 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	31	J	340	10
117-84-0	Di-n-octyl phthalate	340	U	340	18
206-44-0	Fluoranthene	25	J	340	10
86-73-7	Fluorene	340	U	340	7.5
118-74-1	Hexachlorobenzene	34	U	34	14
87-68-3	Hexachlorobutadiene	70	U	70	9.7
77-47-4	Hexachlorocyclopentadiene	340	U	340	21
67-72-1	Hexachloroethane	34	U	34	13
193-39-5	Indeno[1,2,3-cd]pyrene	34	U	34	23
78-59-1	Isophorone	140	U	140	7.4
91-20-3	Naphthalene	340	U	340	8.8
98-95-3	Nitrobenzene	34	U	34	11
621-64-7	N-Nitrosodi-n-propylamine	34	U	34	12
86-30-6	N-Nitrosodiphenylamine	340	U	340	31
85-01-8	Phenanthrene	18	J	340	9.2
129-00-0	Pyrene	28	J	340	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	76		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	68		37-94
1718-51-0	Terphenyl-d14 (Surr)	79		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D
Lims ID: 460-118857-F-14-A
Client ID: SB-7 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 13:14:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-015
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:27 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 14:44:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.234	4.228	0.006	95	787574	40.0	
$ 26 Nitrobenzene-d5	82	4.787	4.792	-0.005	88	772450	34.2	
* 36 Naphthalene-d8	136	5.510	5.510	0.000	99	2580643	40.0	
$ 50 2-Fluorobiphenyl	172	6.598	6.604	-0.006	97	1792670	38.1	
* 63 Acenaphthene-d10	164	7.263	7.263	0.000	93	1301794	40.0	
* 85 Phenanthrene-d10	188	8.728	8.728	0.000	98	1818714	40.0	
86 Phenanthrene	178	8.745	8.751	-0.006	94	13228	0.2590	
89 Di-n-butyl phthalate	149	9.304	9.310	-0.006	99	24191	0.4482	
90 Fluoranthene	202	9.916	9.916	0.000	97	18755	0.3629	
92 Pyrene	202	10.133	10.139	-0.006	98	17267	0.4007	
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1264543	39.4	
* 100 Chrysene-d12	240	11.463	11.469	-0.006	99	1204534	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.504	11.510	-0.006	82	13987	0.5261	
104 Benzo[b]fluoranthene	252	12.839	12.851	-0.012	88	10508	0.3673	M
105 Benzo[k]fluoranthene	252	12.869	12.886	-0.018	89	6045	0.2015	M
106 Benzo[a]pyrene	252	13.280	13.292	-0.012	90	5640	0.2080	
* 107 Perylene-d12	264	13.363	13.368	-0.005	100	993349	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.798	14.809	-0.011	88	4748	0.1606	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

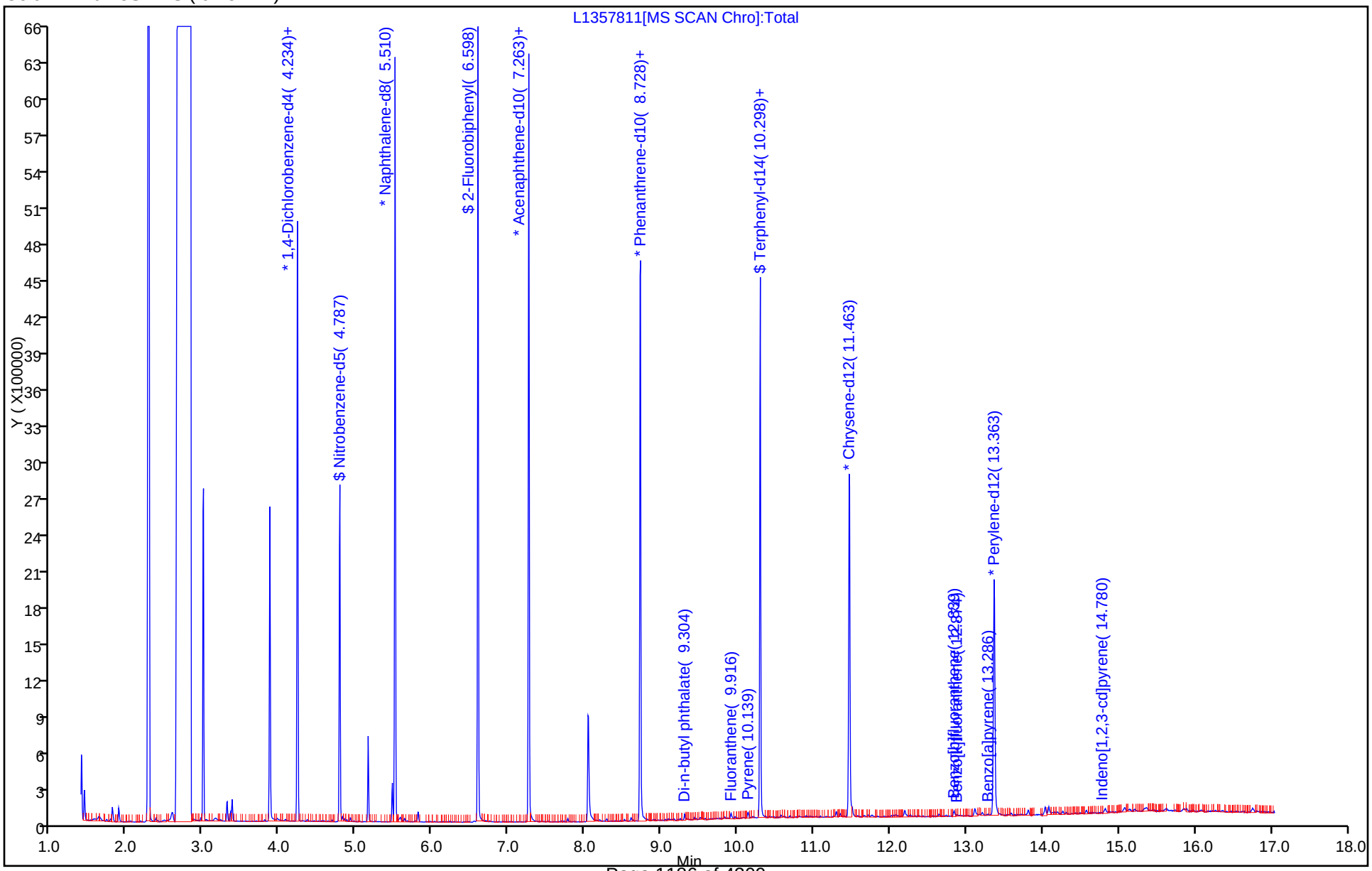
Report Date: 23-Aug-2016 17:01:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D

Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14	Worklist Smp#:	15
Client ID:	SB-7 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



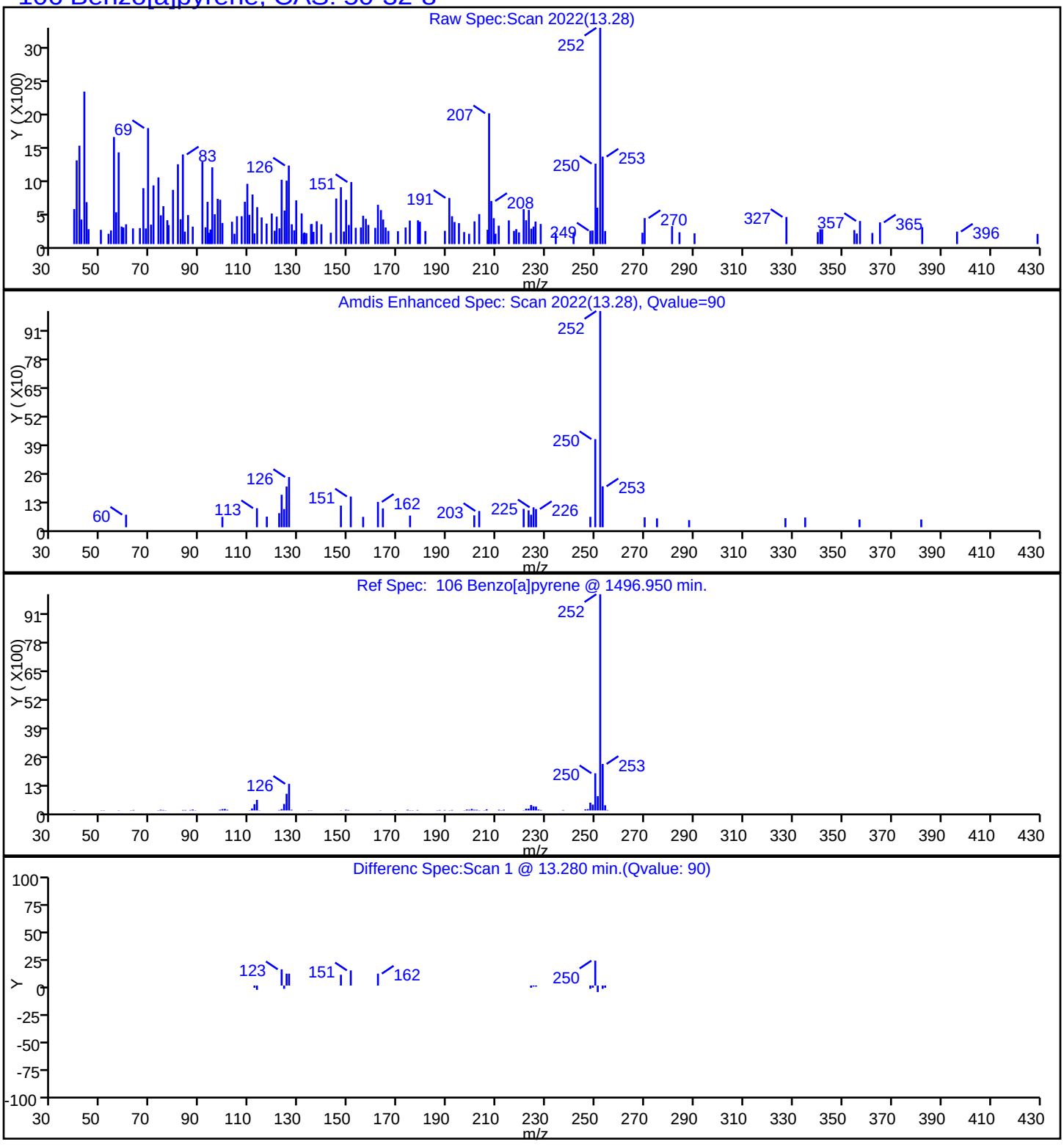
Report Date: 23-Aug-2016 17:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D

Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



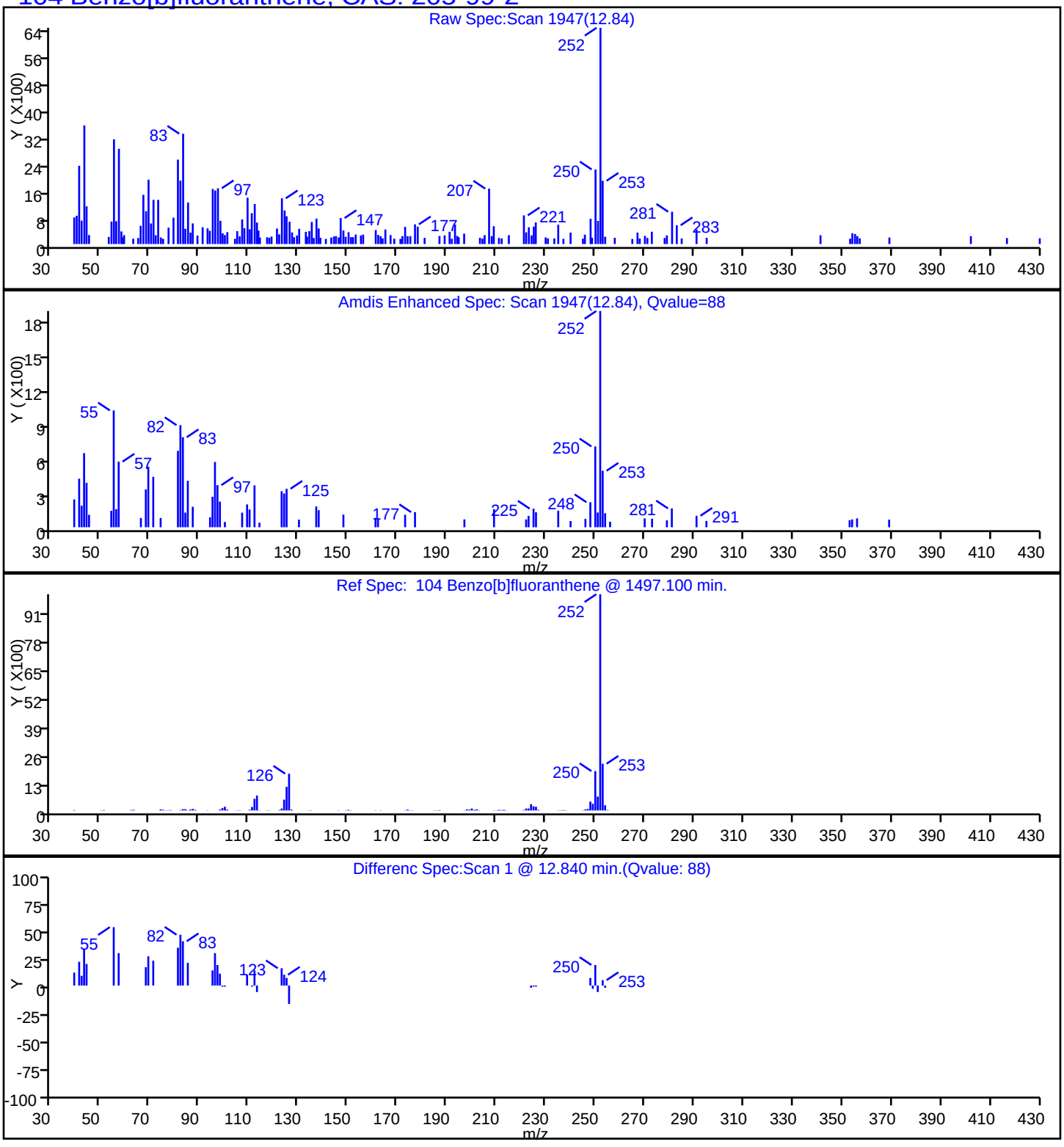
Report Date: 23-Aug-2016 17:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D

Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



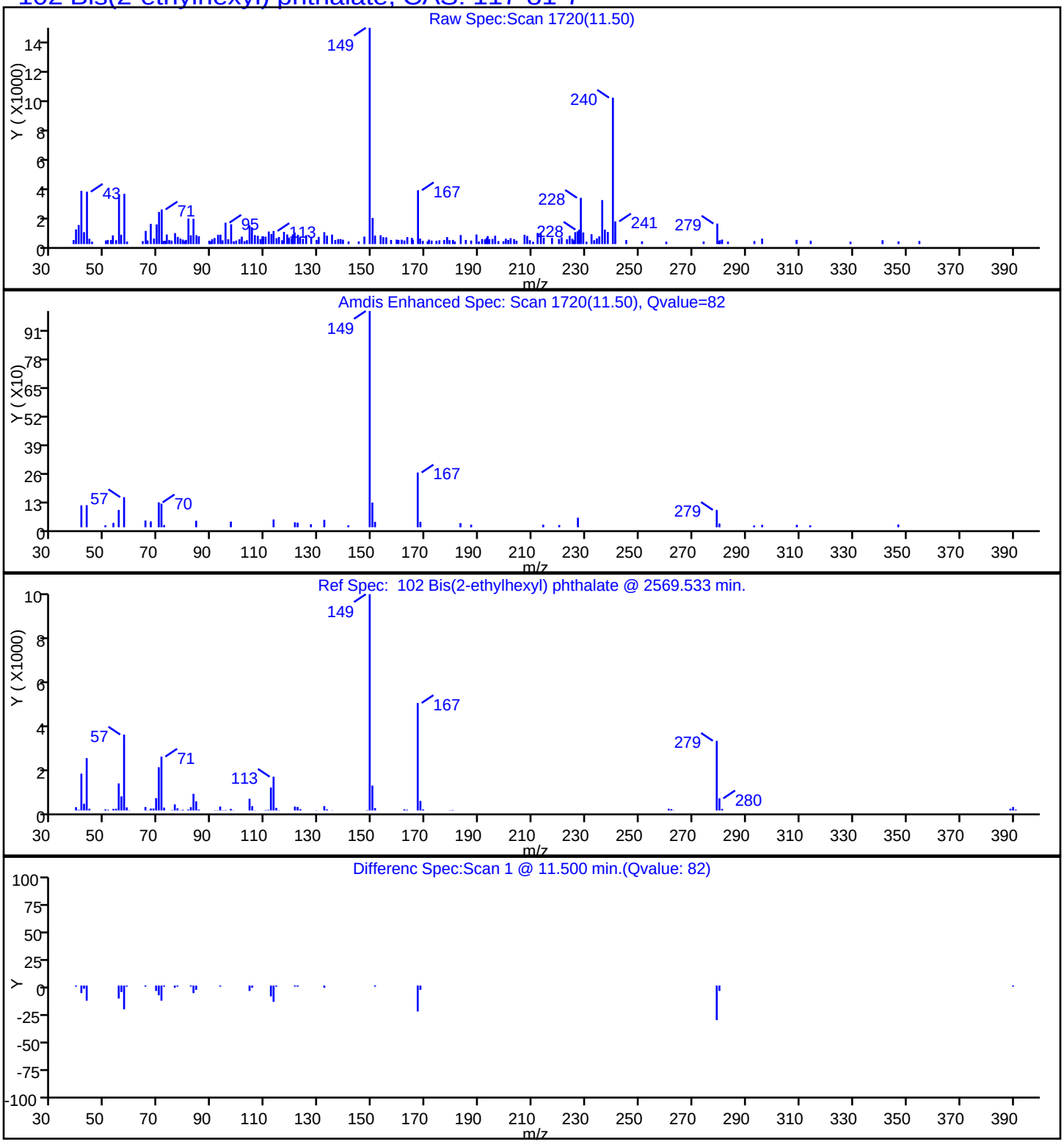
Report Date: 23-Aug-2016 17:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D

Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



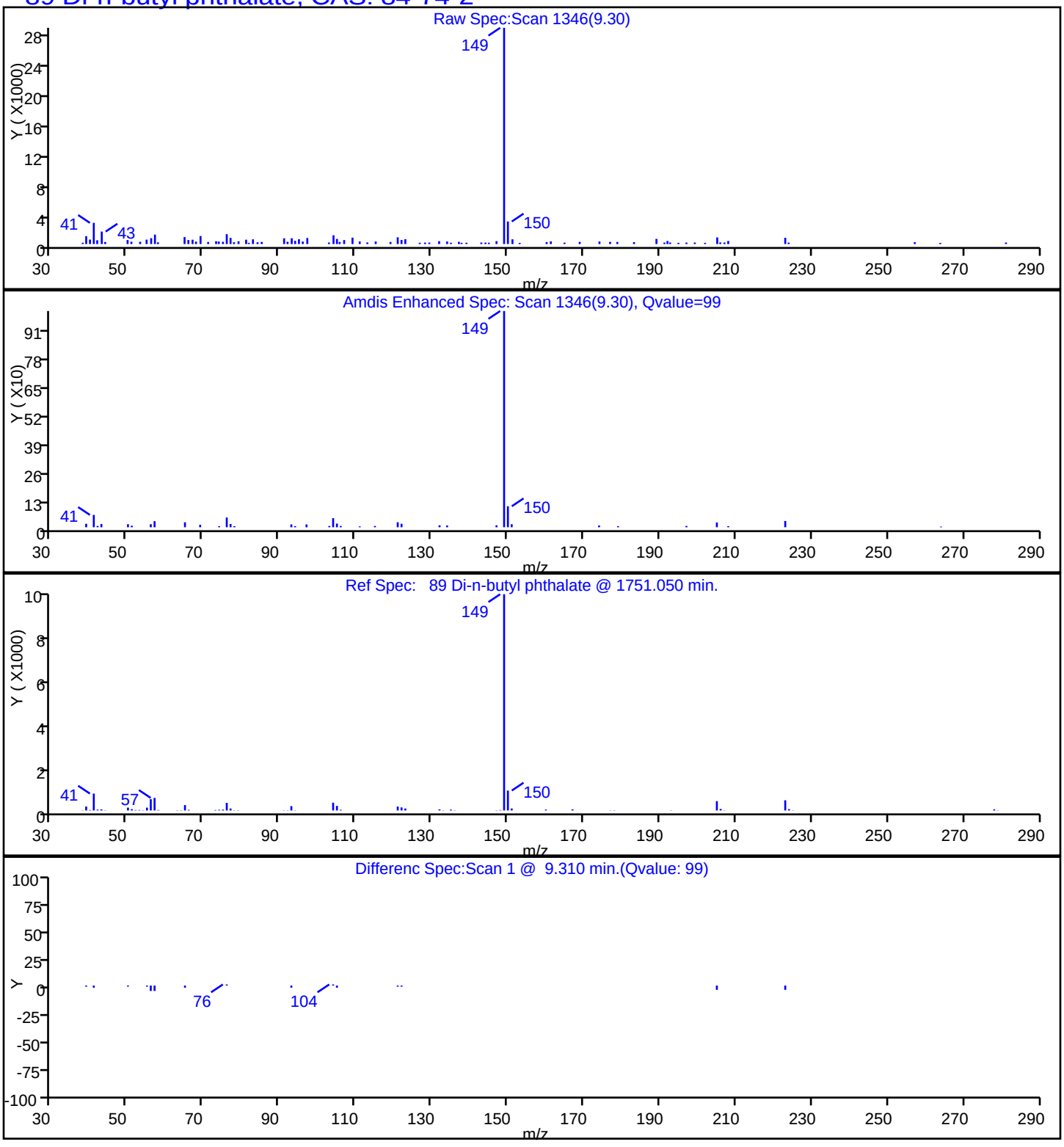
Report Date: 23-Aug-2016 17:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D

Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Di-n-butyl phthalate, CAS: 84-74-2



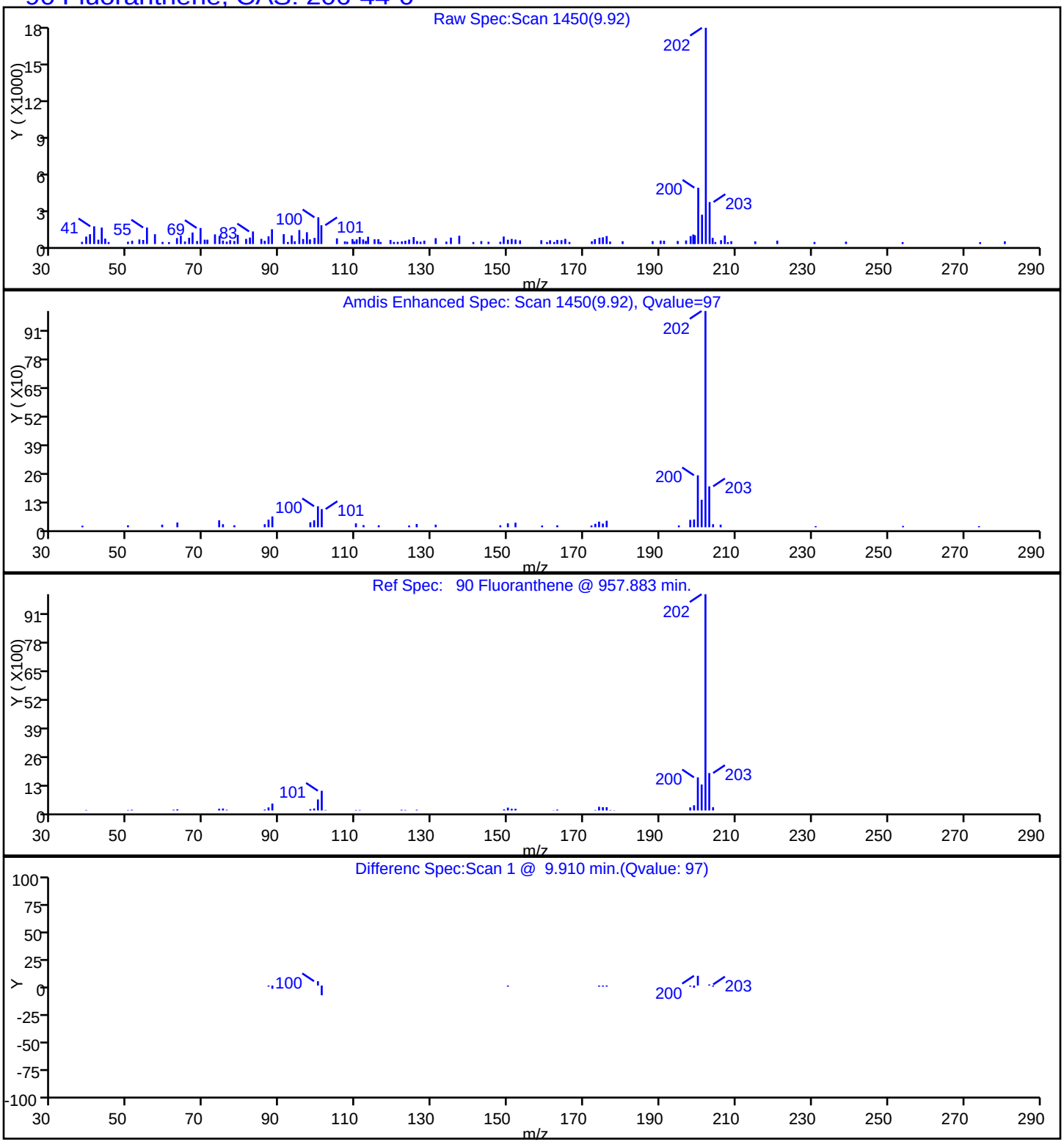
Report Date: 23-Aug-2016 17:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D

Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



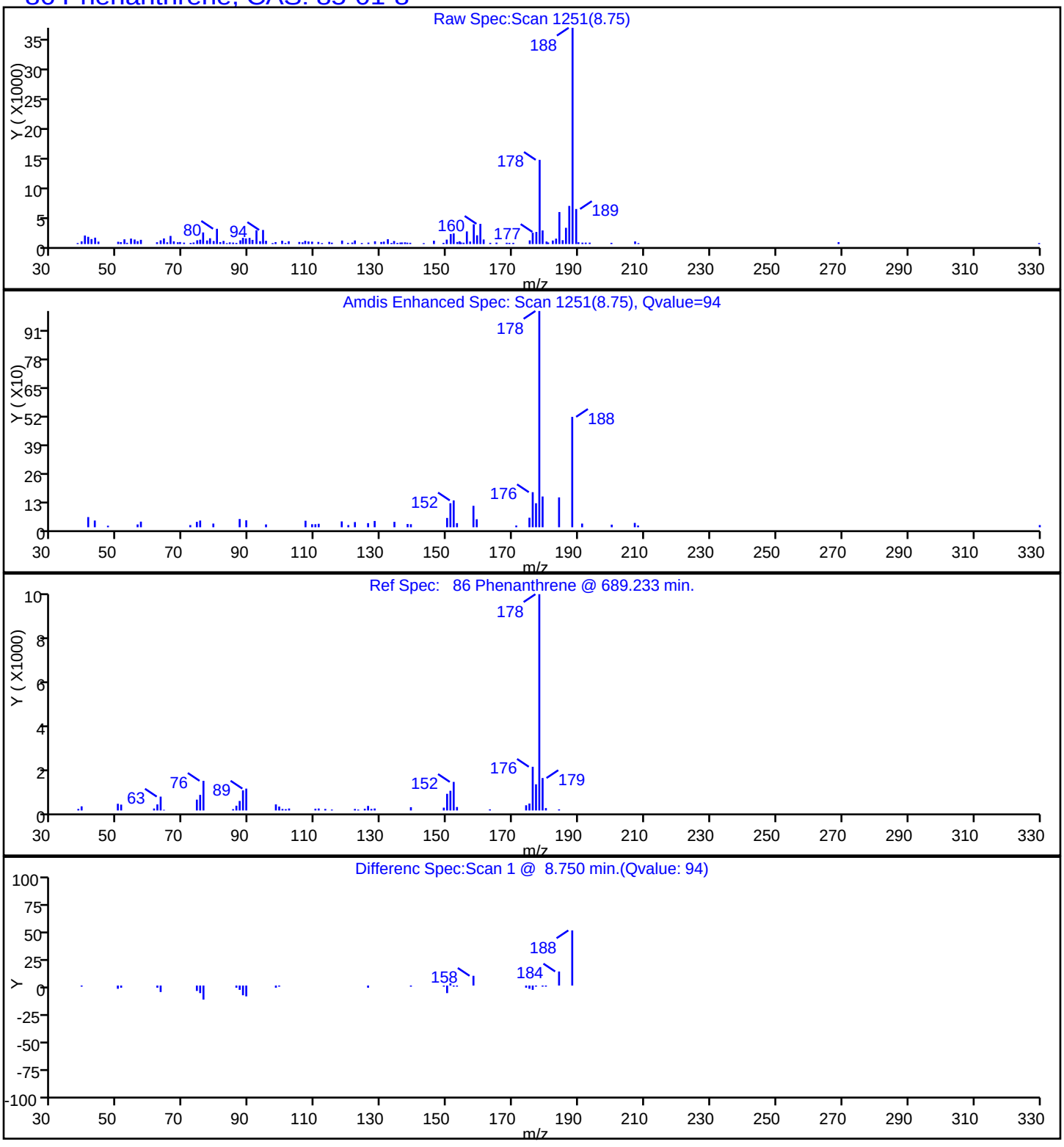
Report Date: 23-Aug-2016 17:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D

Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



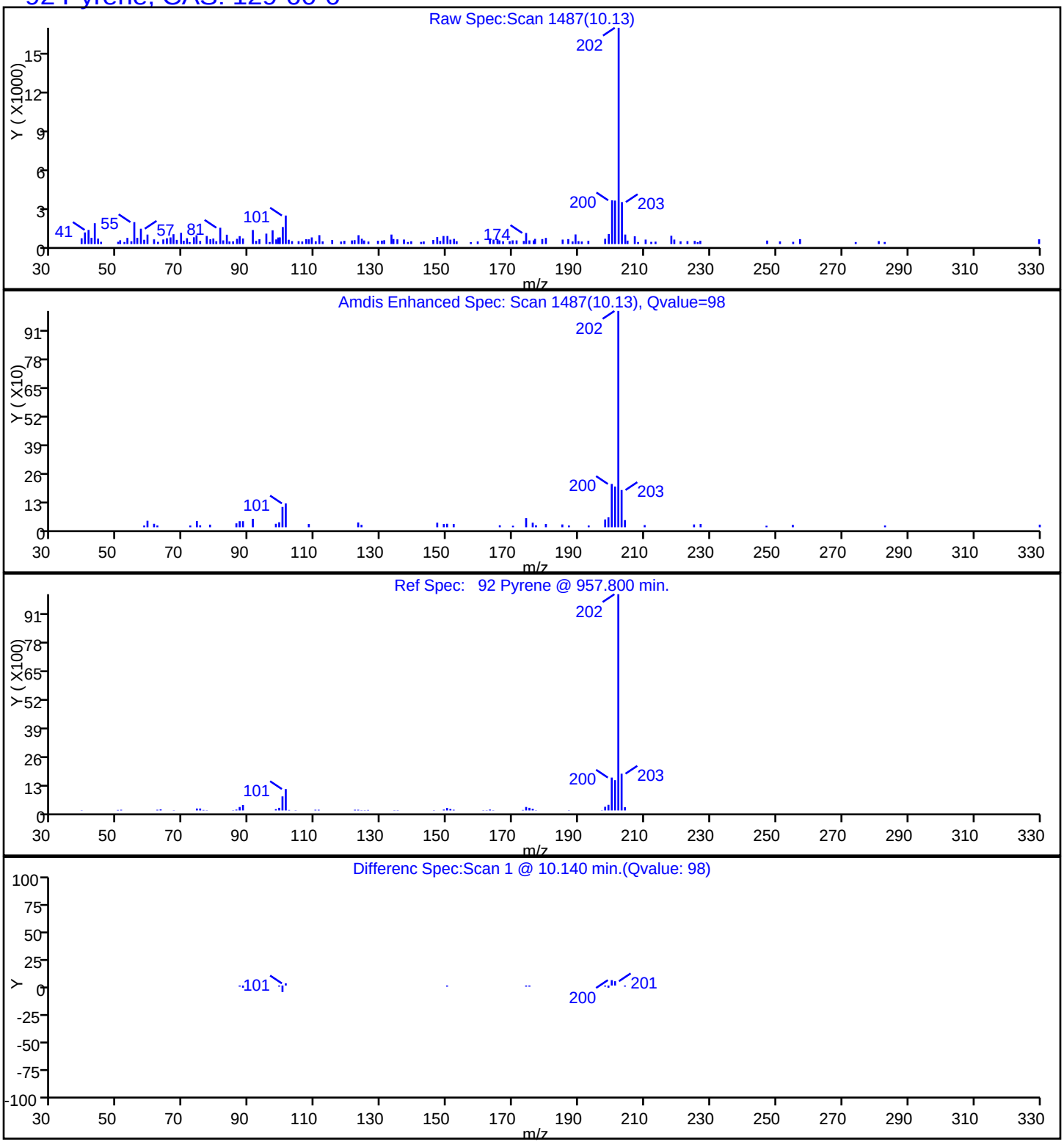
Report Date: 23-Aug-2016 17:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D

Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

TestAmerica Edison

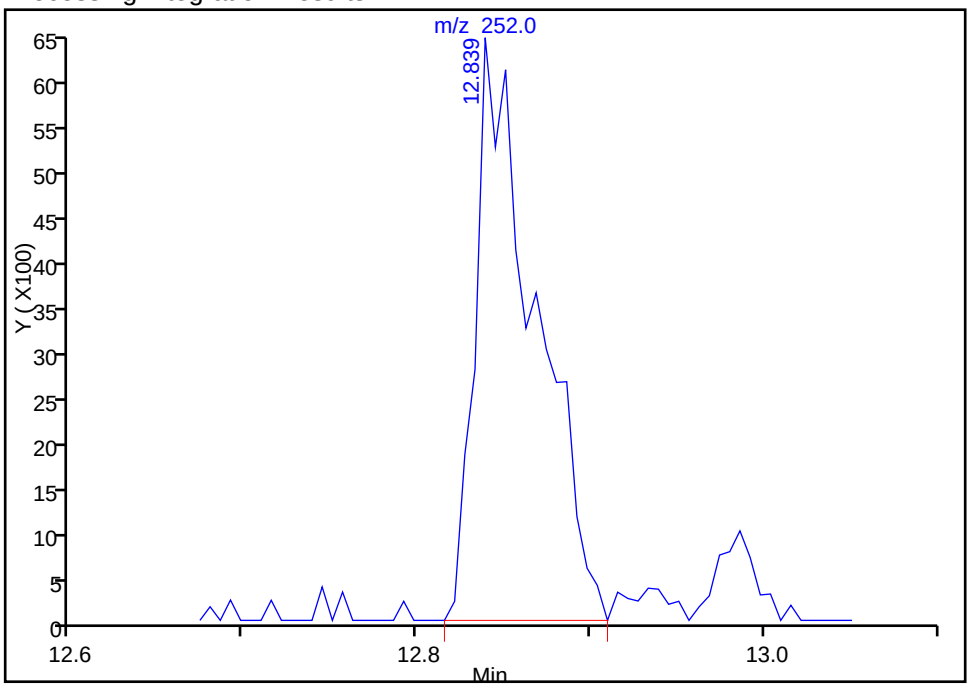
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D				
Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

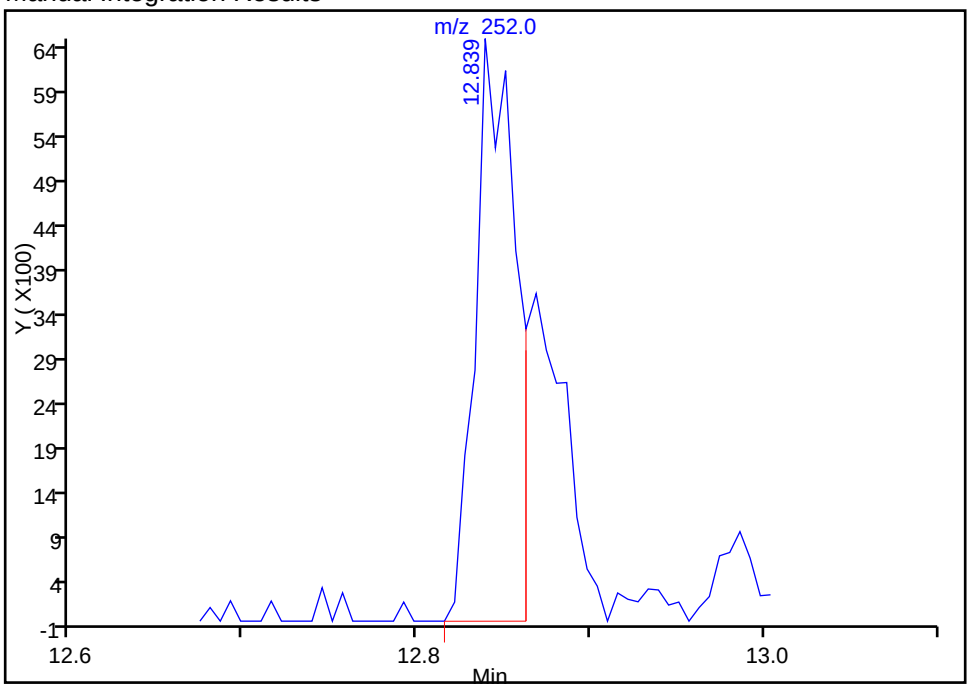
Processing Integration Results

RT: 12.84
Area: 15422
Amount: 0.539083
Amount Units: ug/ml



Manual Integration Results

RT: 12.84
Area: 10508
Amount: 0.367312
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 14:44:55

Audit Action: Manually Integrated Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

TestAmerica Edison

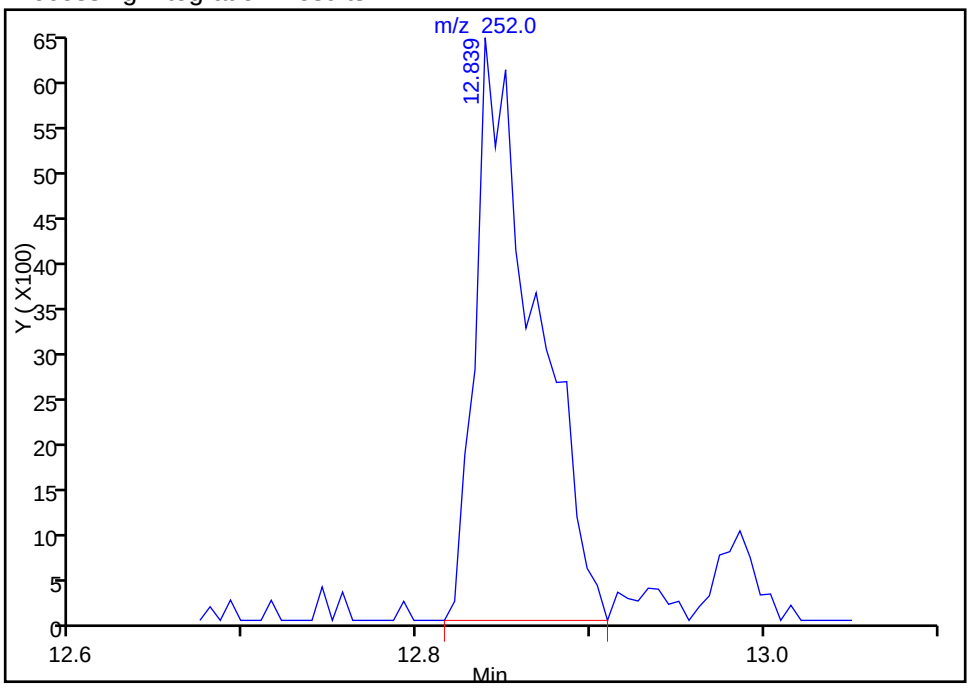
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357811.D				
Injection Date:	23-Aug-2016 13:14:30	Instrument ID:	CBNAMS12		
Lims ID:	460-118857-F-14-A	Lab Sample ID:	460-118857-14		
Client ID:	SB-7 (13-15) 08182016				
Operator ID:	BNA 12	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

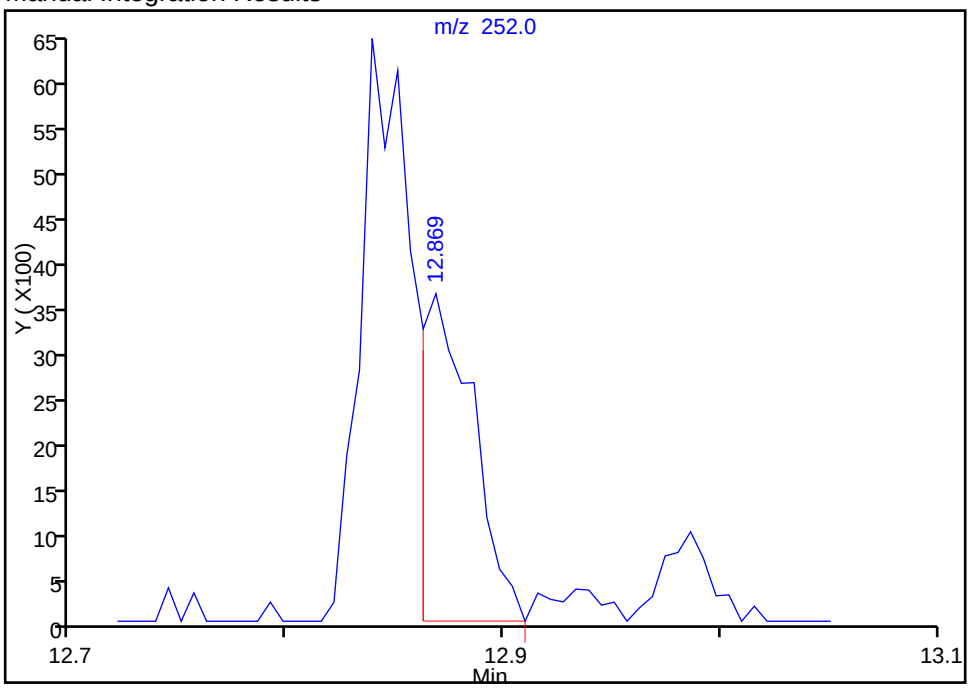
Processing Integration Results

RT: 12.84
Area: 15422
Amount: 0.514054
Amount Units: ug/ml



Manual Integration Results

RT: 12.87
Area: 6045
Amount: 0.201495
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 14:44:55

Audit Action: Manually Integrated Audit Reason: Shouldering

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(2-4)-08192016 | Lab Sample ID: 460-118926-1

Matrix: Solid | Lab File ID: x17370.D

Analysis Method: 8270D | Date Collected: 08/19/2016 08:14

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0249(g) | Date Analyzed: 08/23/2016 16:31

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	36	U	36	7.9
95-50-1	1,2-Dichlorobenzene	360	U	360	12
541-73-1	1,3-Dichlorobenzene	360	U	360	28
106-46-7	1,4-Dichlorobenzene	360	U	360	28
108-60-1	2,2'-oxybis[1-chloropropane]	360	U	360	15
121-14-2	2,4-Dinitrotoluene	72	U	72	14
606-20-2	2,6-Dinitrotoluene	72	U	72	19
91-58-7	2-Chloronaphthalene	360	U	360	8.1
91-57-6	2-Methylnaphthalene	16	J	360	7.9
88-74-4	2-Nitroaniline	360	U	360	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	40
99-09-2	3-Nitroaniline	360	U	360	11
101-55-3	4-Bromophenyl phenyl ether	360	U	360	11
106-47-8	4-Chloroaniline	360	U	360	9.2
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	11
100-01-6	4-Nitroaniline	360	U	360	13
83-32-9	Acenaphthene	33	J	360	8.6
208-96-8	Acenaphthylene	360	U	360	9.2
120-12-7	Anthracene	90	J	360	34
56-55-3	Benzo[a]anthracene	390		36	30
50-32-8	Benzo[a]pyrene	390		36	11
205-99-2	Benzo[b]fluoranthene	540		36	14
191-24-2	Benzo[g,h,i]perylene	280	J	360	20
207-08-9	Benzo[k]fluoranthene	200		36	16
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	11
111-44-4	Bis(2-chloroethyl)ether	36	U	36	8.4
117-81-7	Bis(2-ethylhexyl) phthalate	360	U	360	14
85-68-7	Butyl benzyl phthalate	360	U	360	11
86-74-8	Carbazole	43	J	360	8.8
218-01-9	Chrysene	410		360	9.7
53-70-3	Dibenz(a,h)anthracene	47		36	19
132-64-9	Dibenzofuran	19	J	360	11
84-66-2	Diethyl phthalate	360	U	360	10
131-11-3	Dimethyl phthalate	360	U	360	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(2-4)-08192016 | Lab Sample ID: 460-118926-1

Matrix: Solid | Lab File ID: x17370.D

Analysis Method: 8270D | Date Collected: 08/19/2016 08:14

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0249(g) | Date Analyzed: 08/23/2016 16:31

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	18	J	360	11
117-84-0	Di-n-octyl phthalate	360	U	360	18
206-44-0	Fluoranthene	720		360	11
86-73-7	Fluorene	30	J	360	7.8
118-74-1	Hexachlorobenzene	36	U	36	14
87-68-3	Hexachlorobutadiene	72	U	72	10
77-47-4	Hexachlorocyclopentadiene	360	U	360	22
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	290		36	24
78-59-1	Isophorone	140	U	140	7.7
91-20-3	Naphthalene	20	J	360	9.1
98-95-3	Nitrobenzene	36	U	36	11
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	12
86-30-6	N-Nitrosodiphenylamine	360	U	360	32
85-01-8	Phenanthrene	420		360	9.5
129-00-0	Pyrene	660		360	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	77		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	69		37-94
1718-51-0	Terphenyl-d14 (Surr)	80		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D
Lims ID: 460-118926-F-1-B
Client ID: SB-1(2-4)-08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:31:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-022
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 18:34:54 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: boykinc Date: 23-Aug-2016 17:27:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	96	535948	40.0	
$ 26 Nitrobenzene-d5	82	5.116	5.134	-0.018	86	663774	34.3	
* 38 Naphthalene-d8	136	5.845	5.857	-0.012	99	1866232	40.0	
39 Naphthalene	128	5.863	5.875	-0.012	100	13749	0.2815	
44 2-Methylnaphthalene	142	6.557	6.569	-0.012	86	6640	0.2166	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1351935	38.5	
* 65 Acenaphthene-d10	164	7.598	7.610	-0.012	93	916214	40.0	
67 Acenaphthene	154	7.628	7.639	-0.011	94	12136	0.4539	
71 Dibenzofuran	168	7.798	7.810	-0.012	94	9860	0.2662	
75 Fluorene	166	8.139	8.151	-0.012	99	11652	0.4117	
* 88 Phenanthrene-d10	188	9.069	9.075	-0.006	98	1210415	40.0	
89 Phenanthrene	178	9.086	9.098	-0.012	97	201122	5.89	
90 Anthracene	178	9.139	9.151	-0.012	99	43715	1.25	
91 Carbazole	167	9.292	9.298	-0.006	96	16607	0.5945	
92 Di-n-butyl phthalate	149	9.628	9.633	-0.005	99	7974	0.2470	
93 Fluoranthene	202	10.263	10.269	-0.006	98	294120	10.0	
95 Pyrene	202	10.498	10.504	-0.006	98	250357	9.14	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	99	831721	39.8	
101 Benzo[a]anthracene	228	11.880	11.892	-0.012	98	104475	5.39	
* 102 Chrysene-d12	240	11.898	11.904	-0.006	99	688011	40.0	
103 Chrysene	228	11.927	11.939	-0.012	99	105707	5.72	
106 Benzo[b]fluoranthene	252	13.339	13.345	-0.006	98	107525	7.50	
107 Benzo[k]fluoranthene	252	13.368	13.386	-0.018	38	44503	2.75	
108 Benzo[a]pyrene	252	13.792	13.804	-0.012	98	69397	5.38	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	514263	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.498	15.515	-0.017	98	43949	3.99	
111 Dibenz(a,h)anthracene	278	15.527	15.551	-0.024	94	7521	0.6555	
112 Benzo[g,h,i]perylene	276	15.957	15.980	-0.023	98	43933	3.89	

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

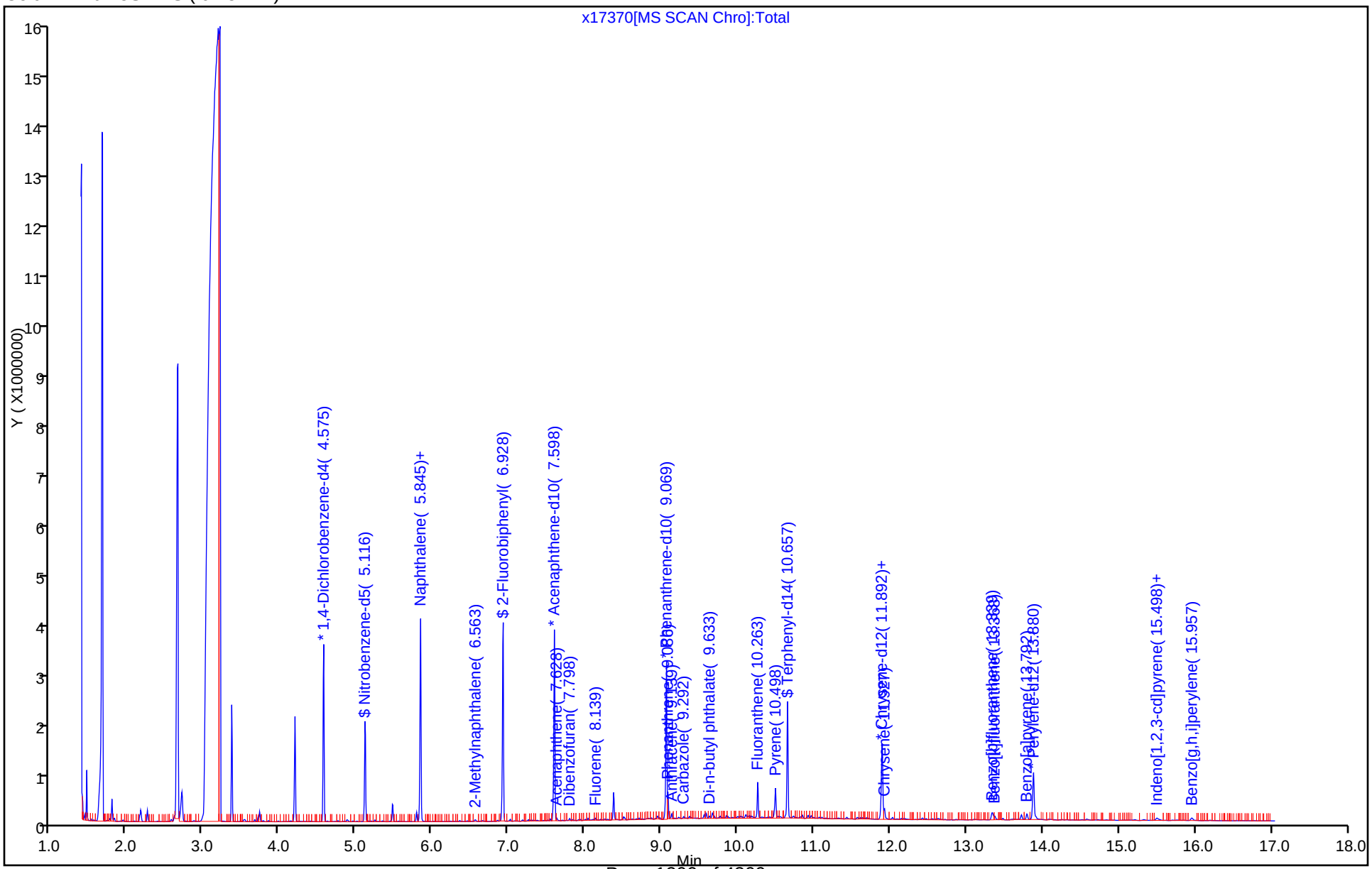
Report Date: 24-Aug-2016 18:35:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D

Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1	Worklist Smp#:	22
Client ID:	SB-1(2-4)-08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



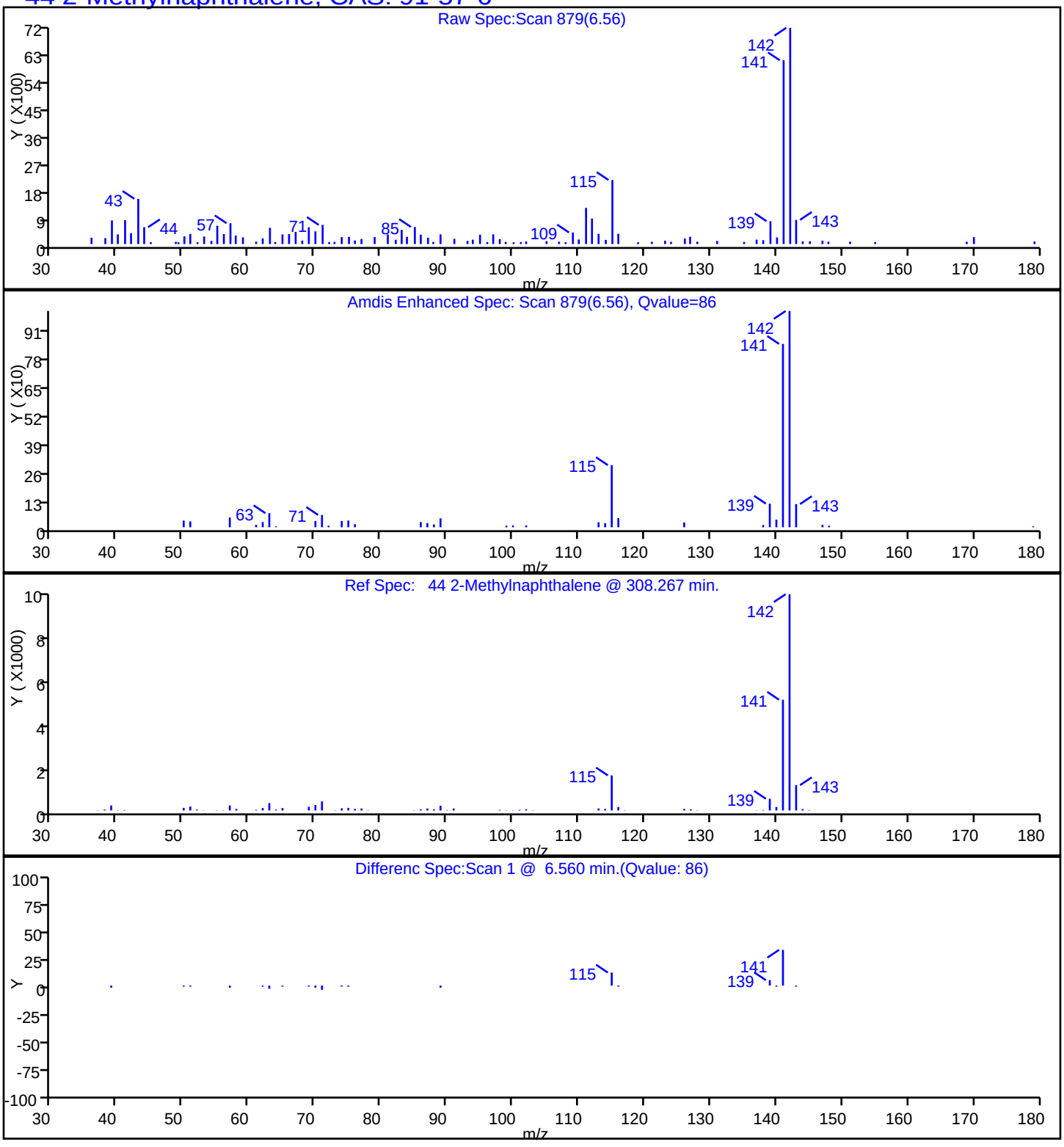
Report Date: 24-Aug-2016 18:35:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D

Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



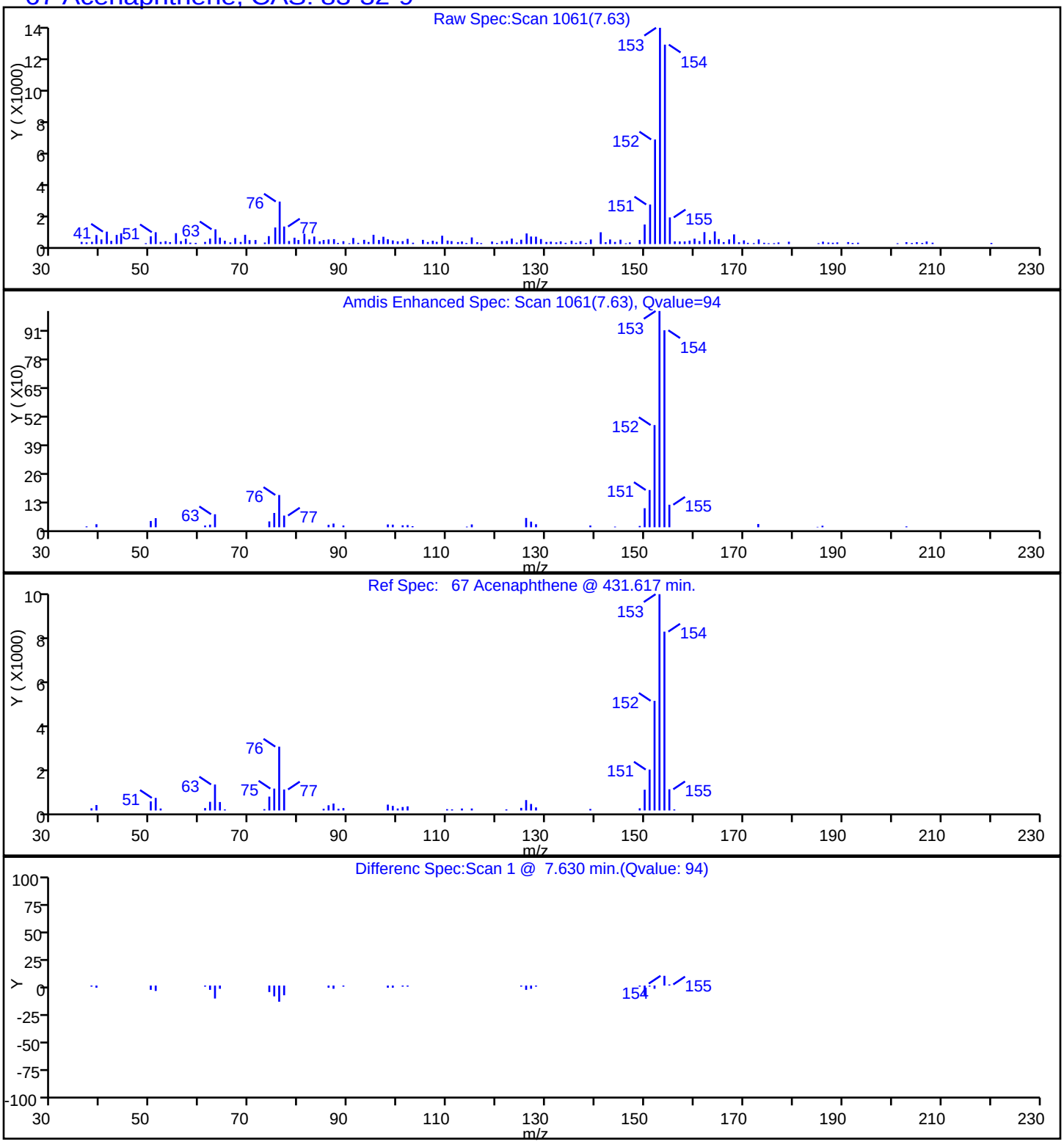
Report Date: 24-Aug-2016 18:35:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D

Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9



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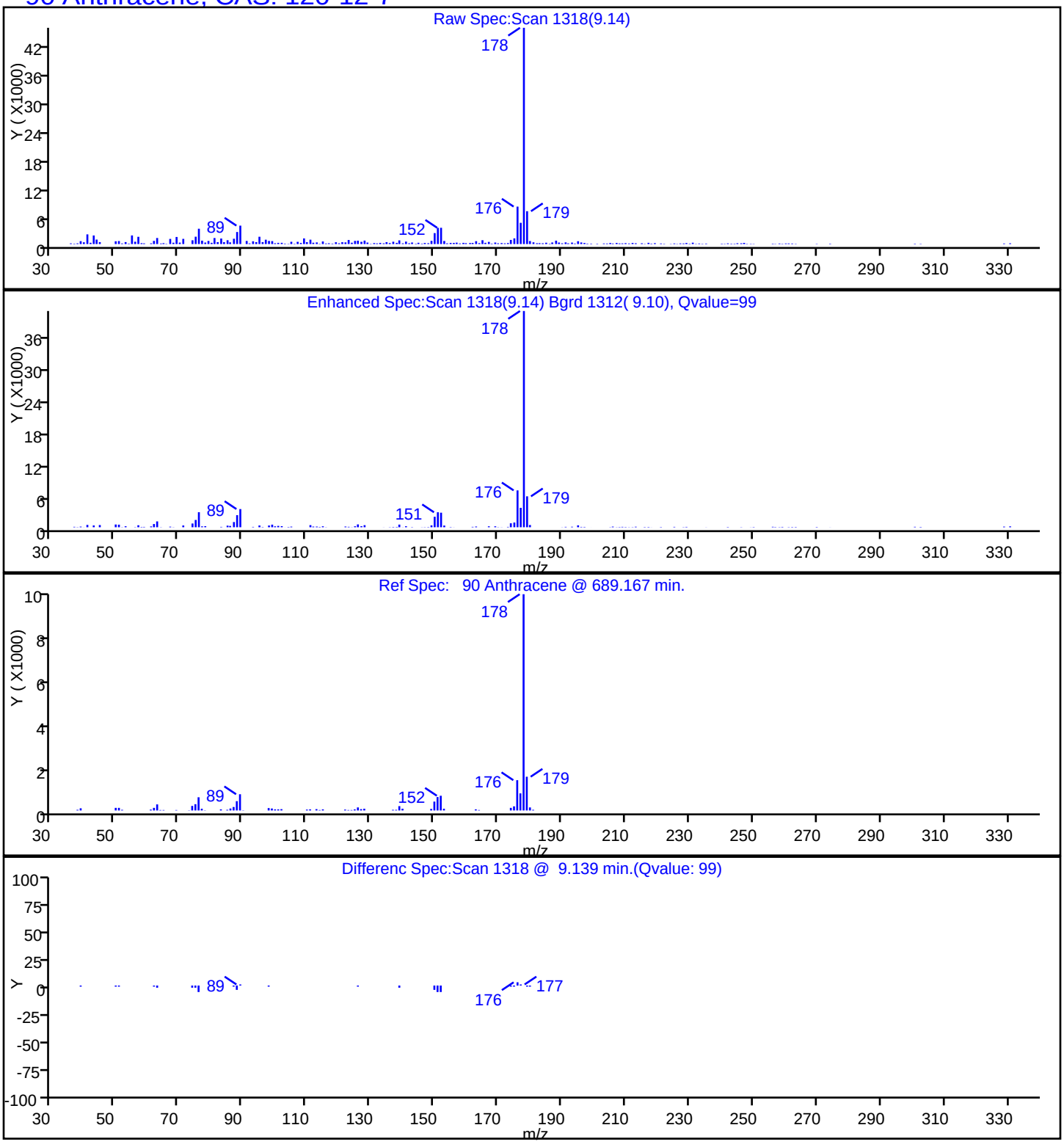
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D

Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7



Report Date: 24-Aug-2016 18:35:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D				
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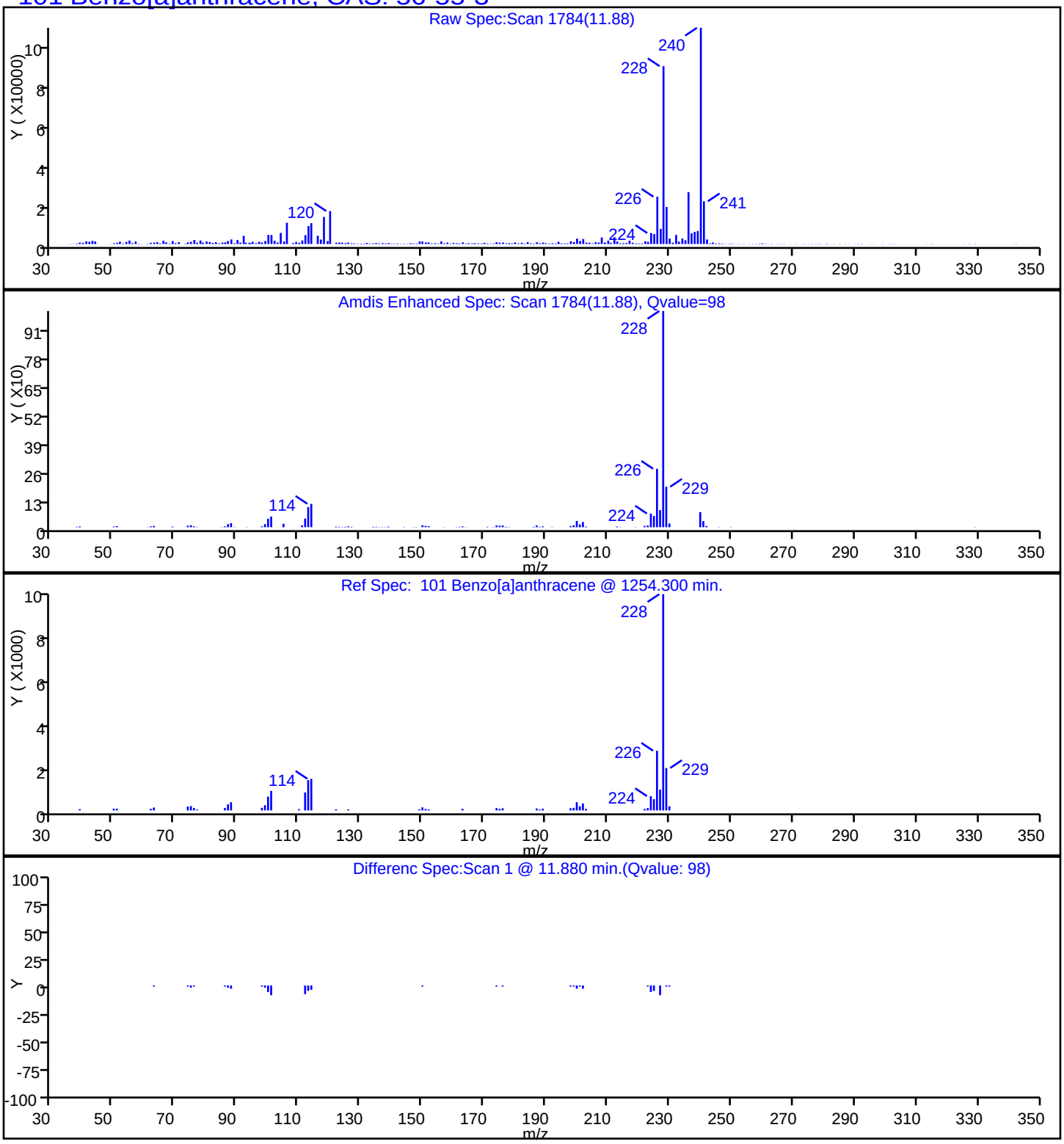
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



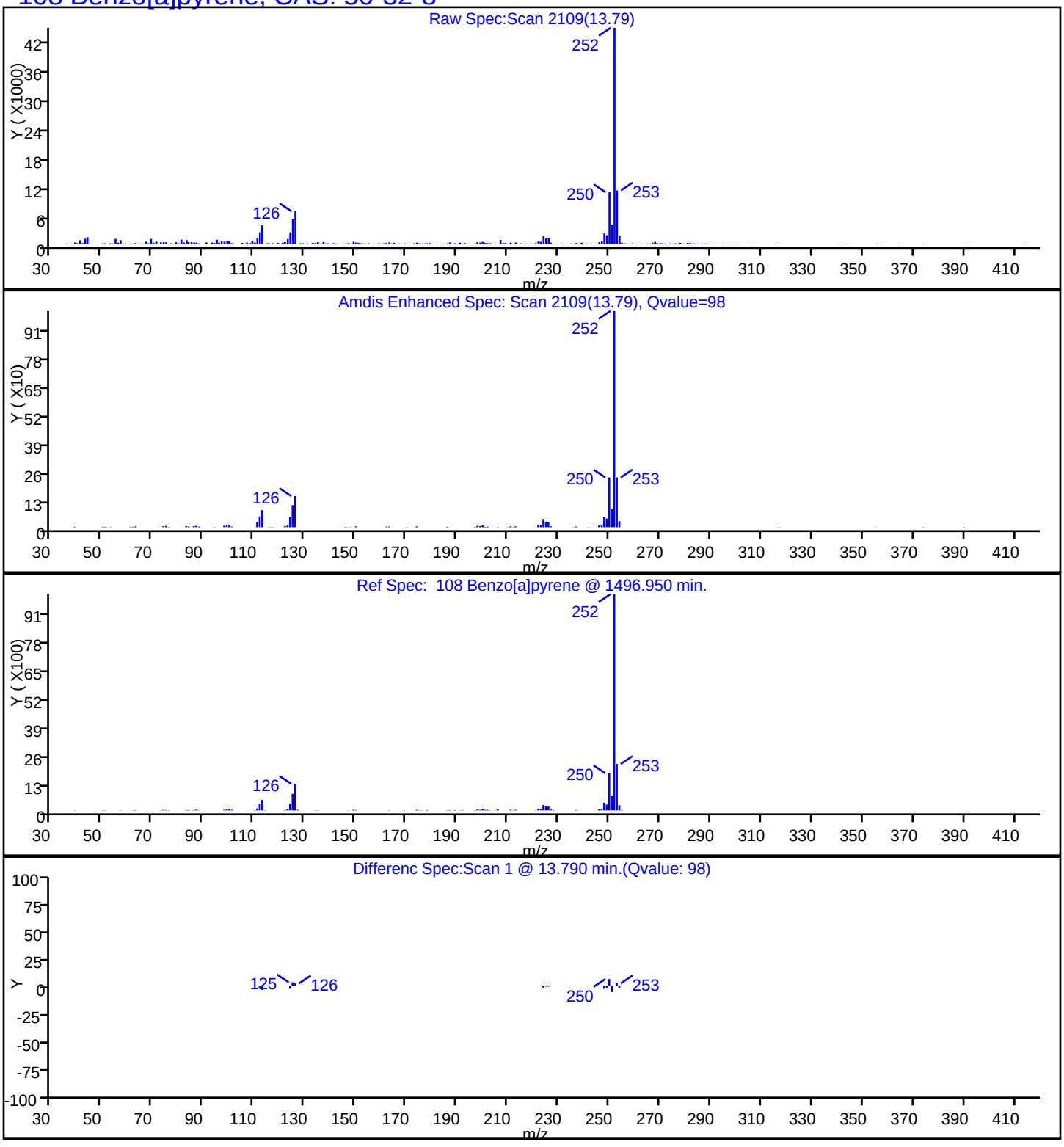
Report Date: 24-Aug-2016 18:35:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D

Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



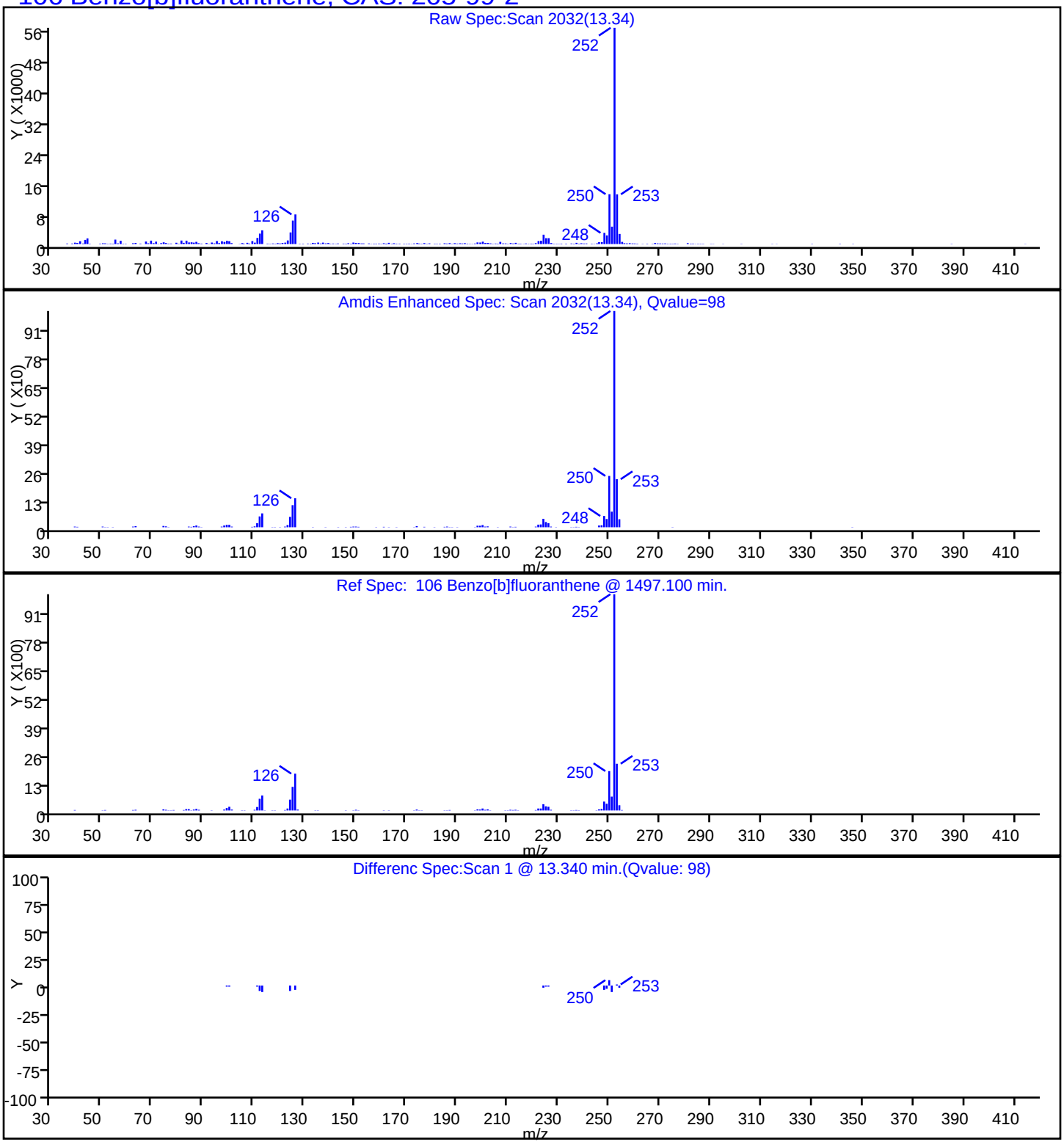
Report Date: 24-Aug-2016 18:35:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D

Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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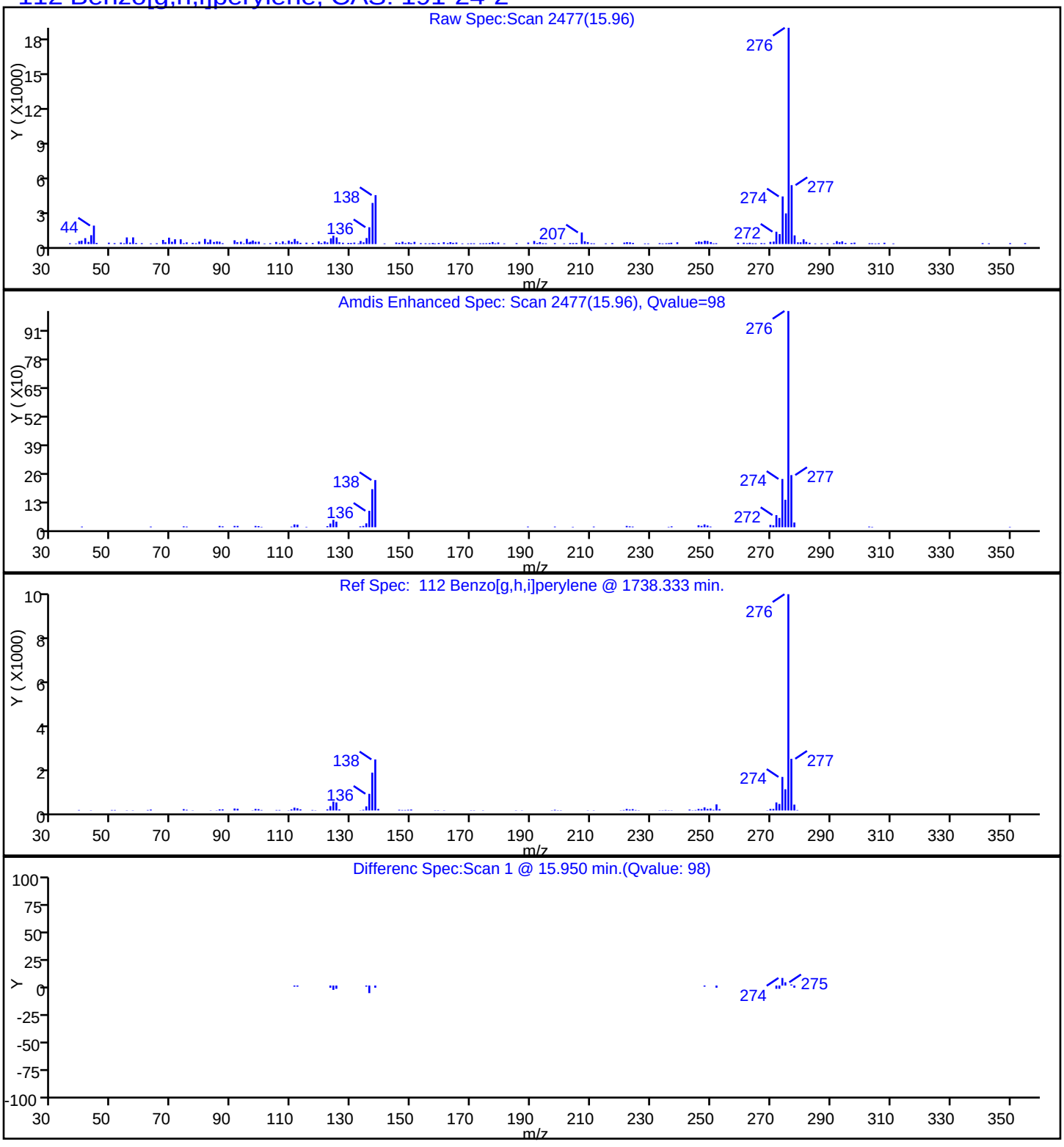
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D

Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 18:35:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D				
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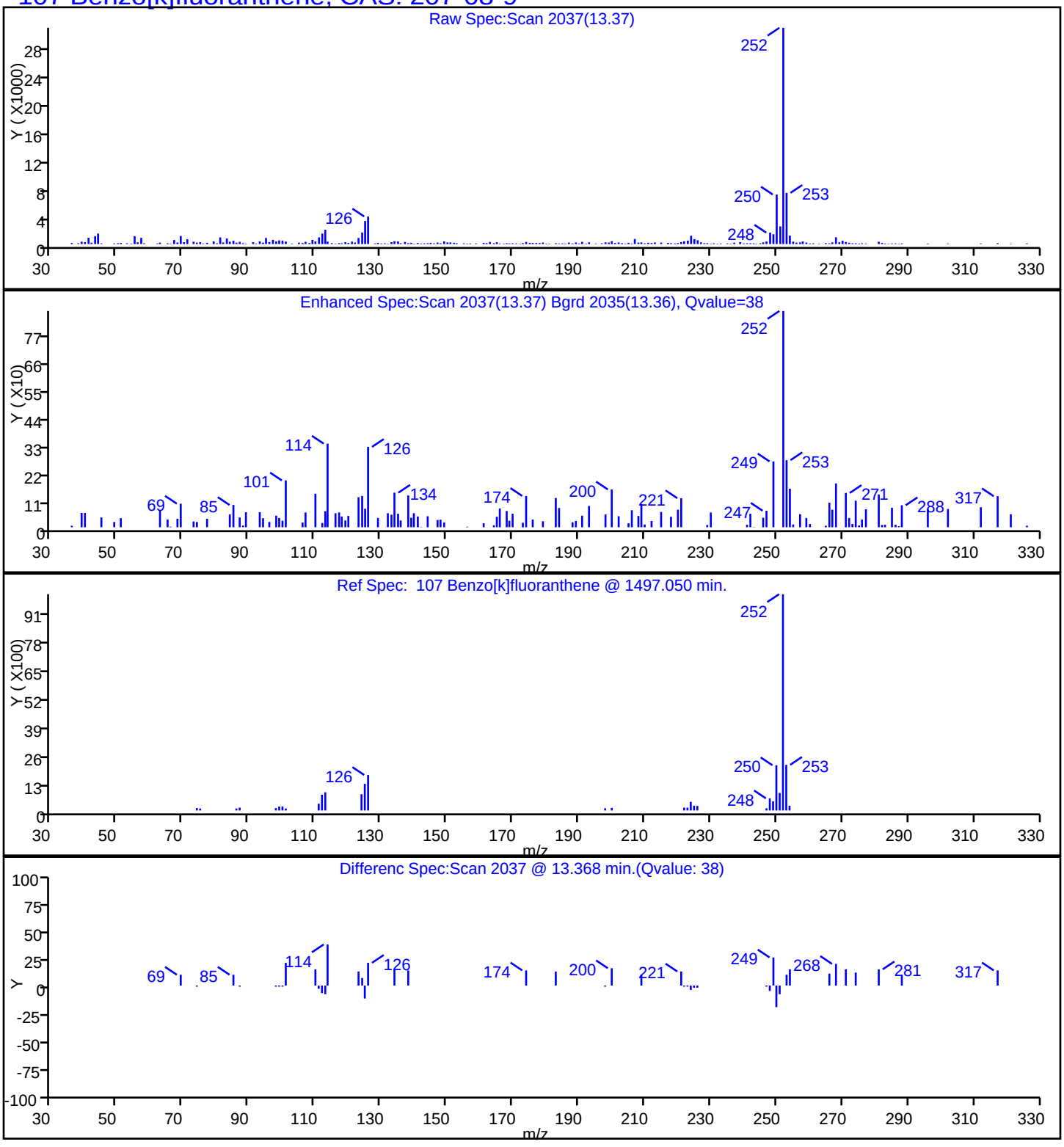
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17370.D

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Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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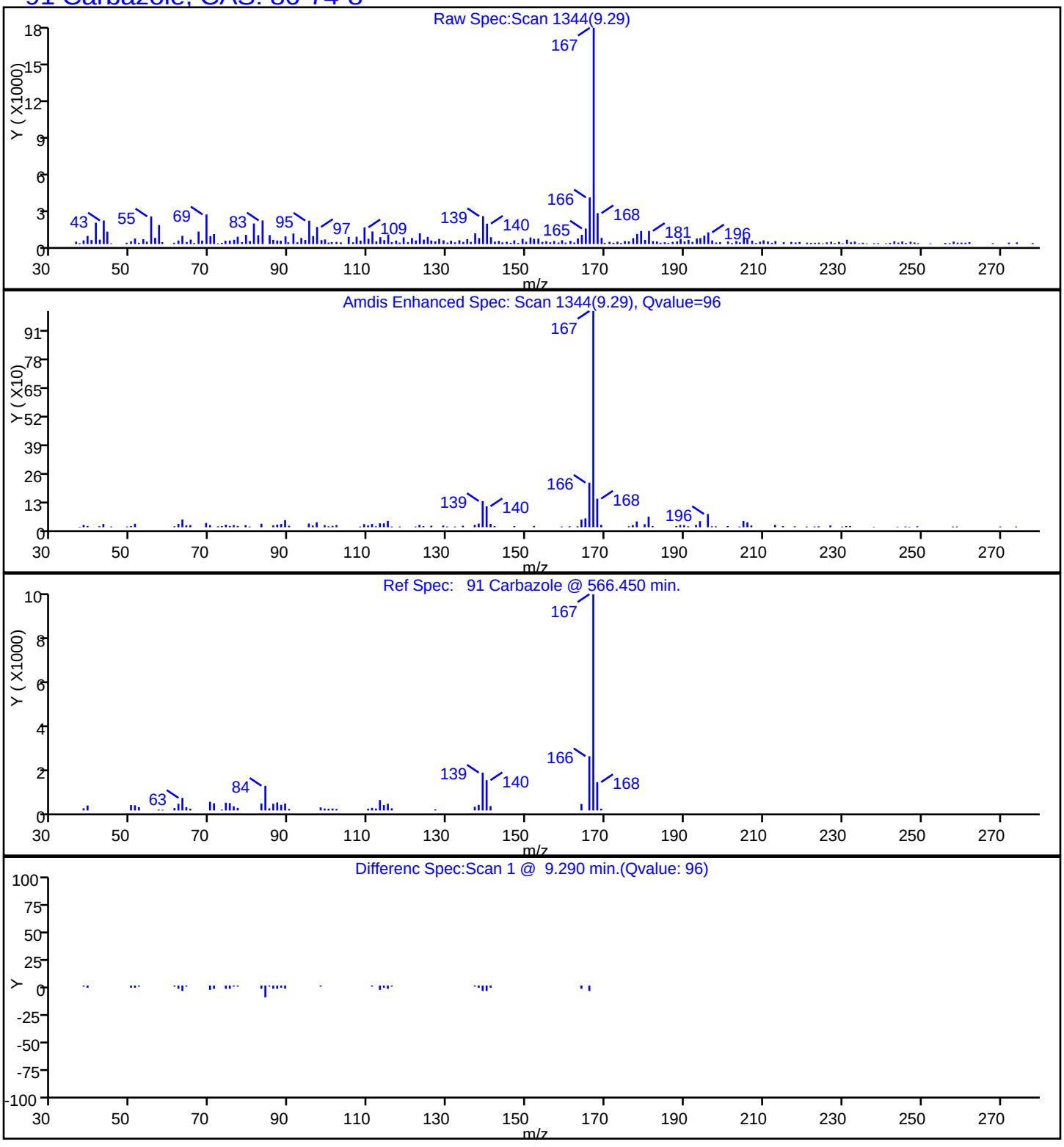
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Carbazole, CAS: 86-74-8



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TestAmerica Edison

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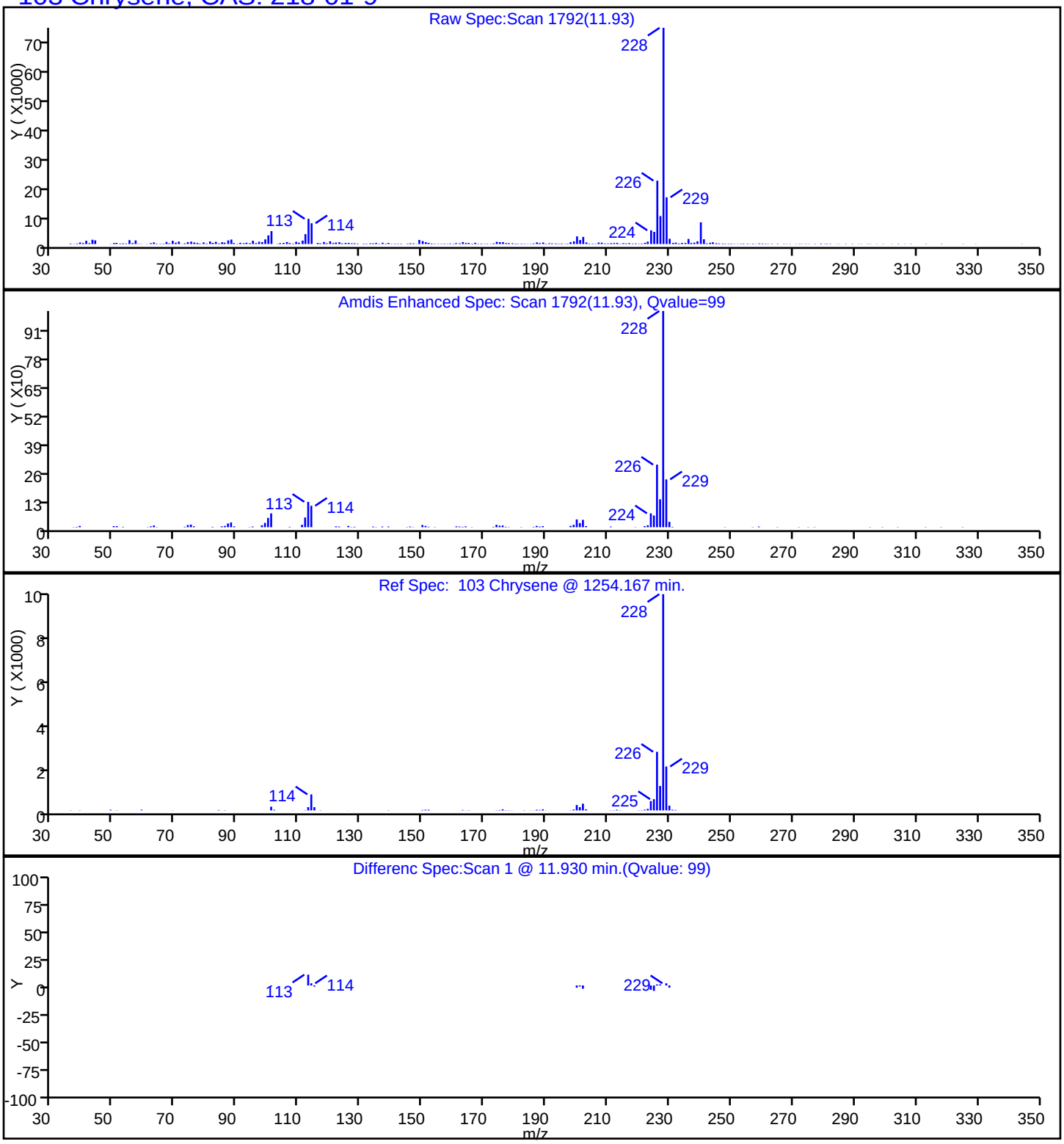
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9



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TestAmerica Edison

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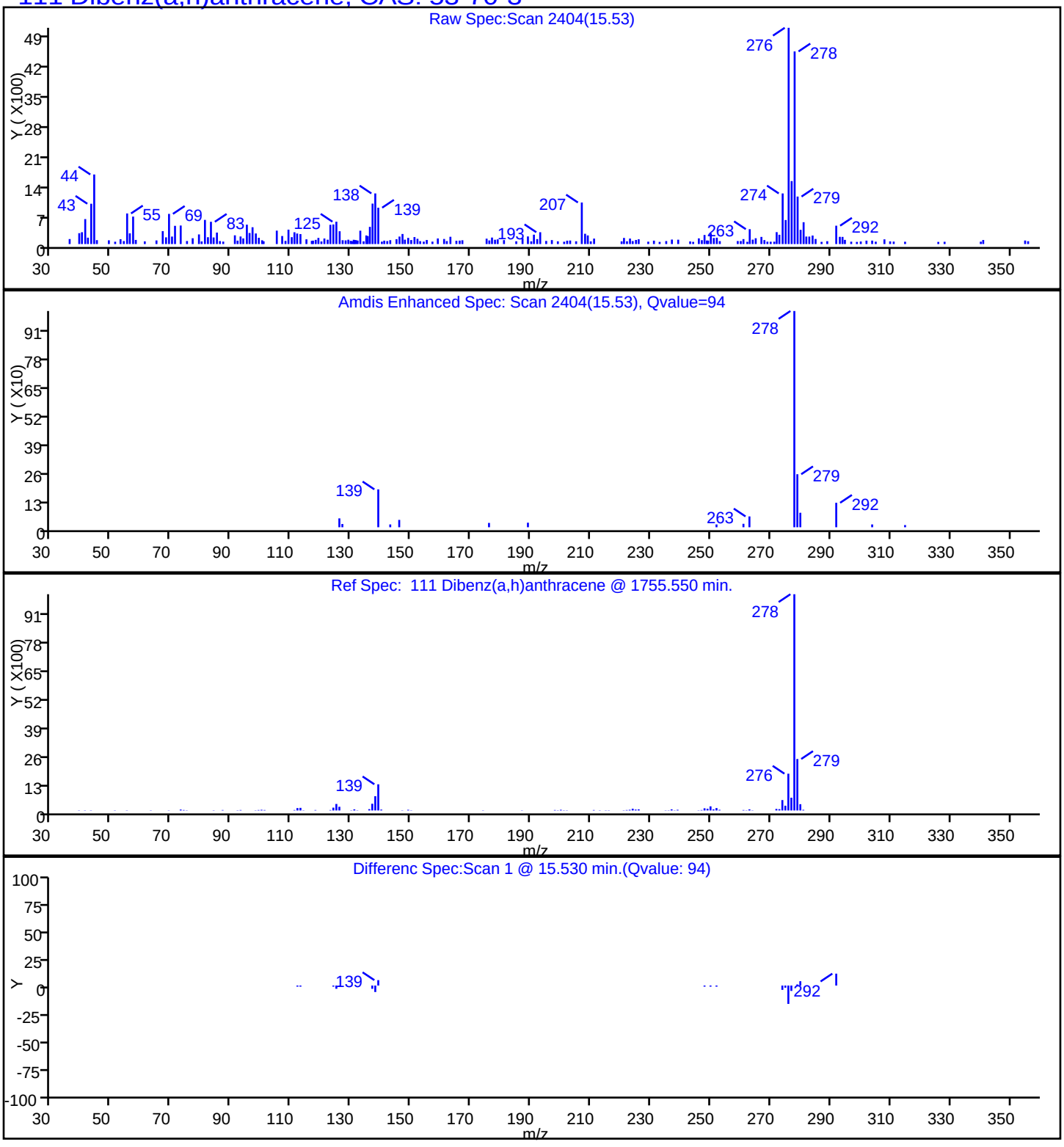
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



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TestAmerica Edison

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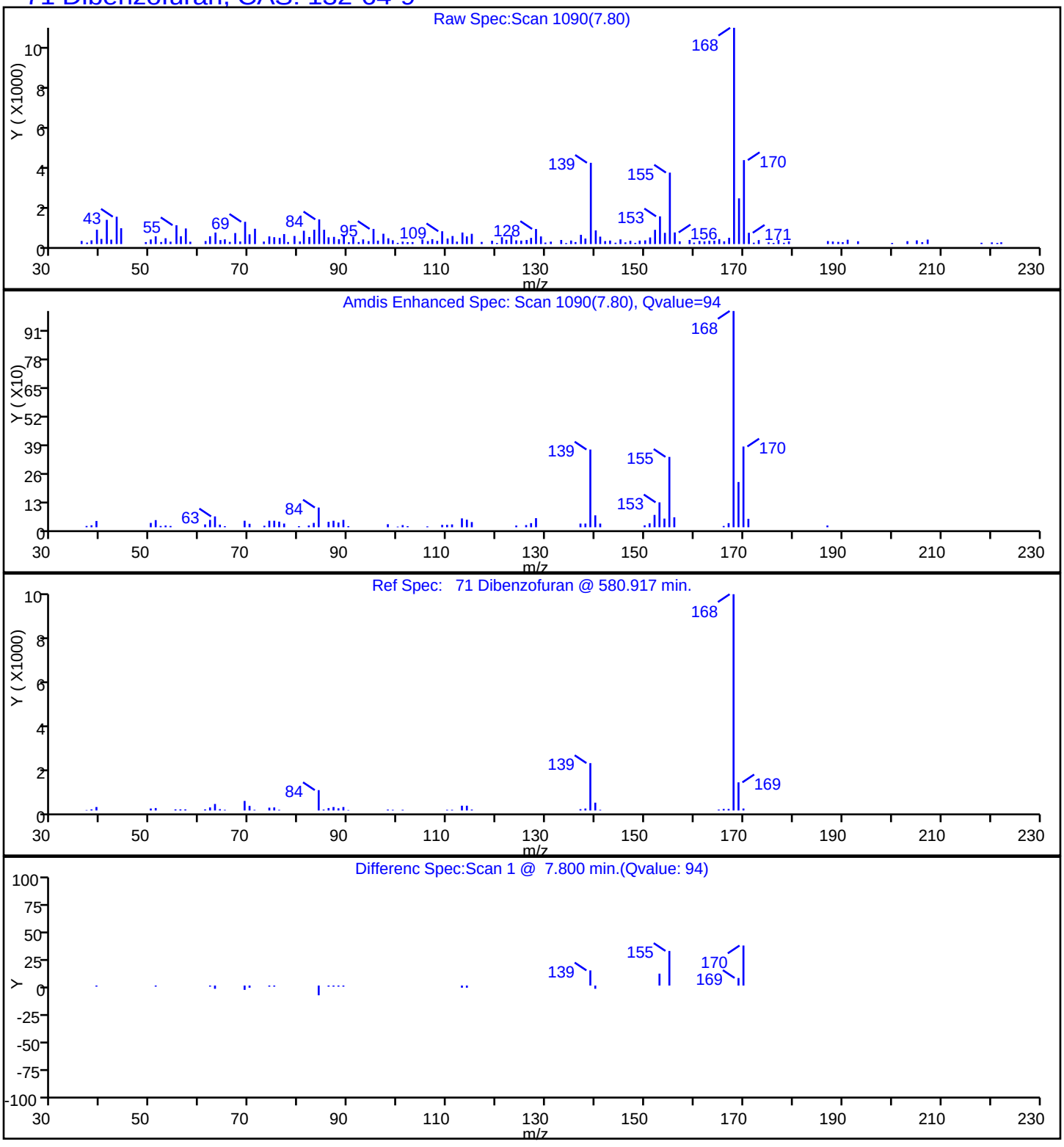
Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

71 Dibenzofuran, CAS: 132-64-9



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TestAmerica Edison

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Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
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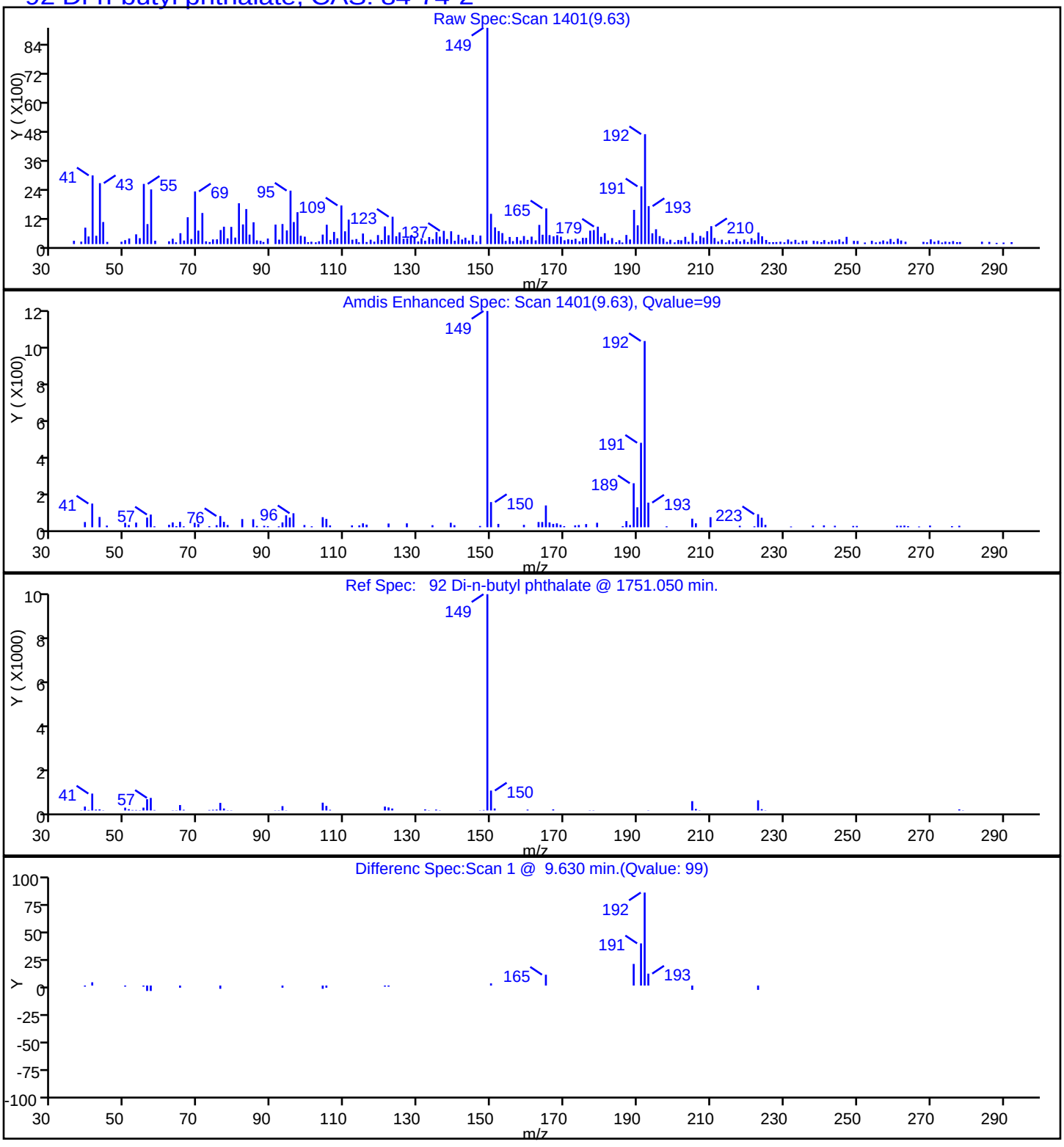
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Di-n-butyl phthalate, CAS: 84-74-2



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TestAmerica Edison

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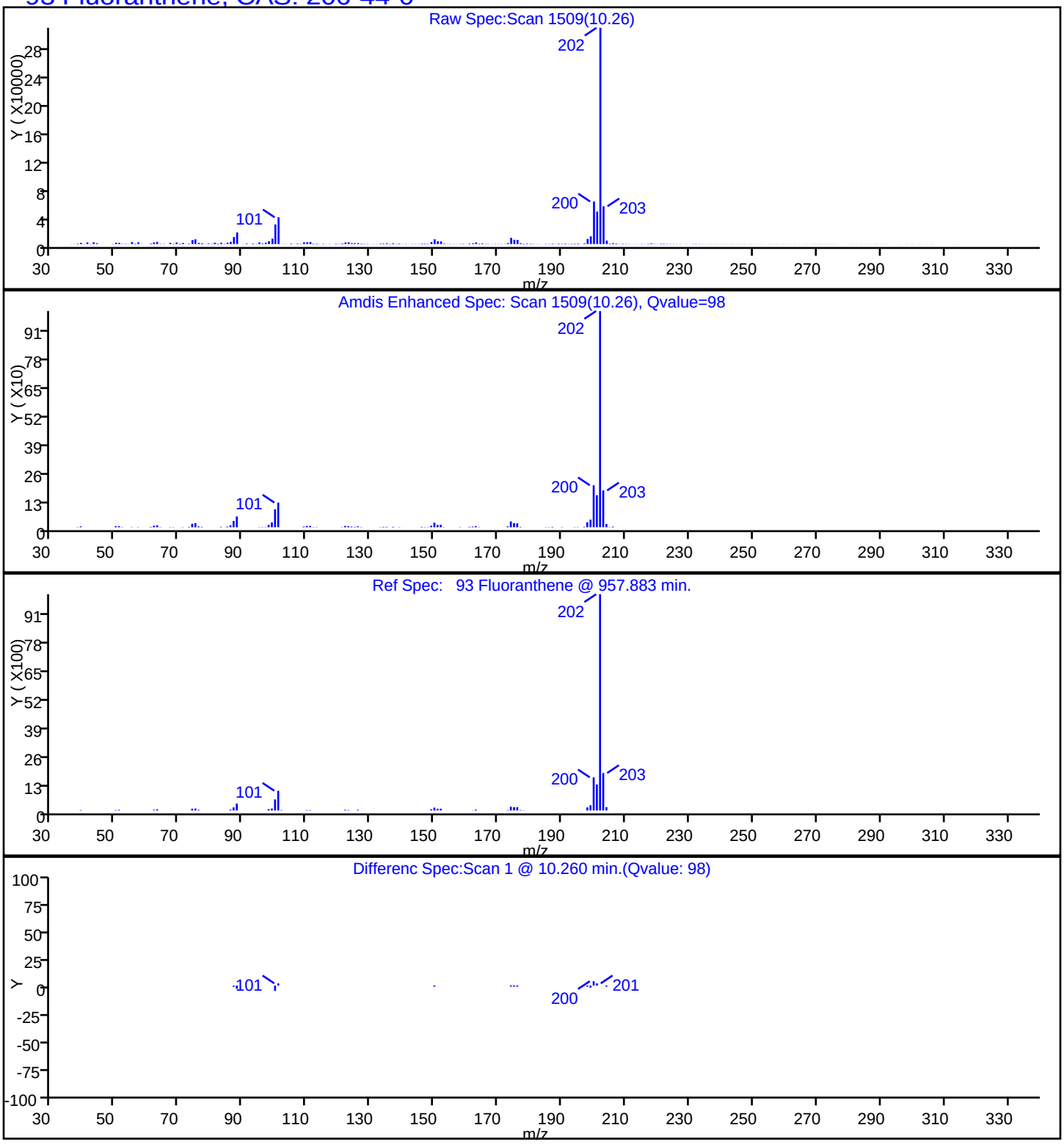
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

93 Fluoranthene, CAS: 206-44-0



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TestAmerica Edison

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Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
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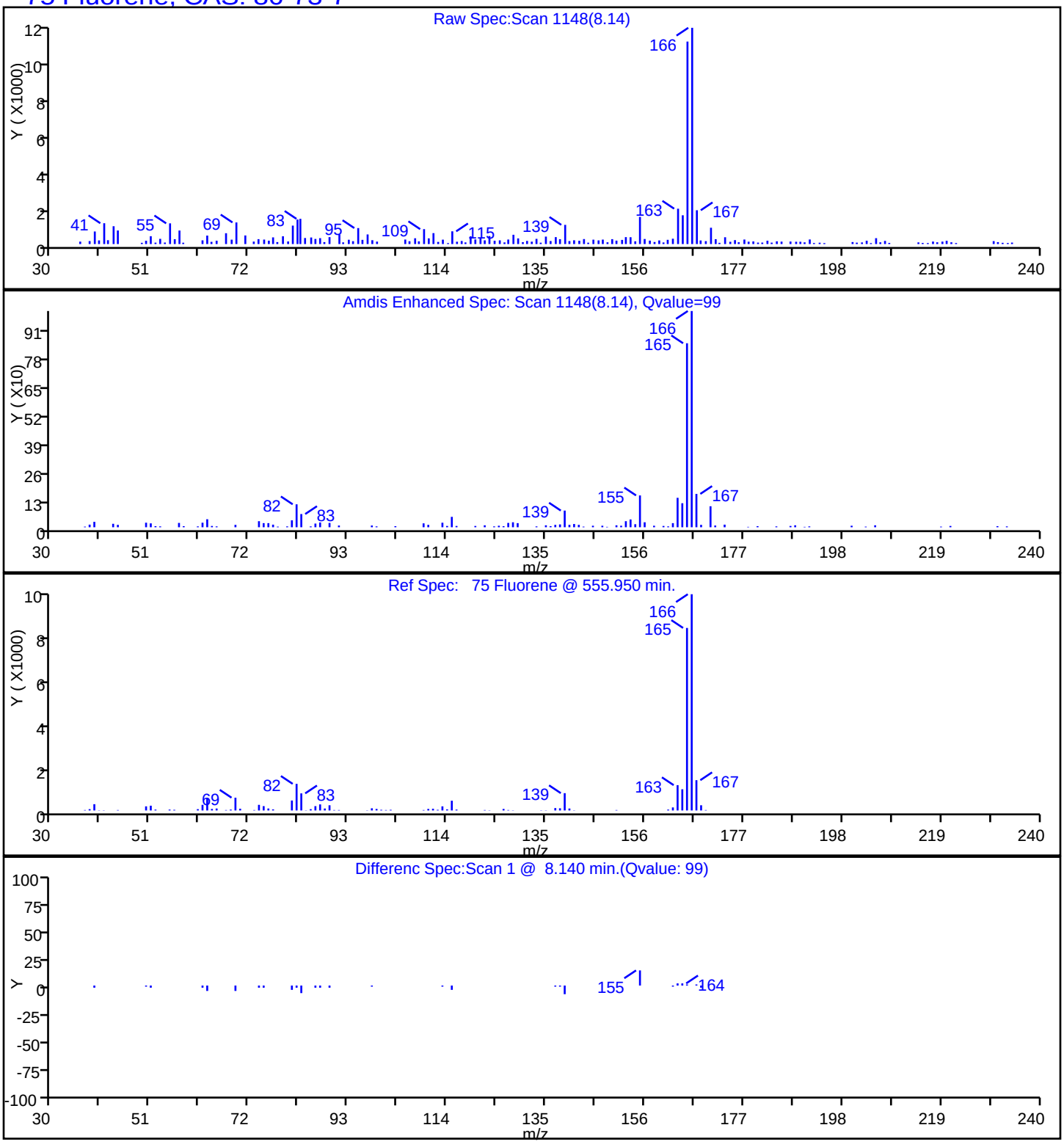
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7



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TestAmerica Edison

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Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
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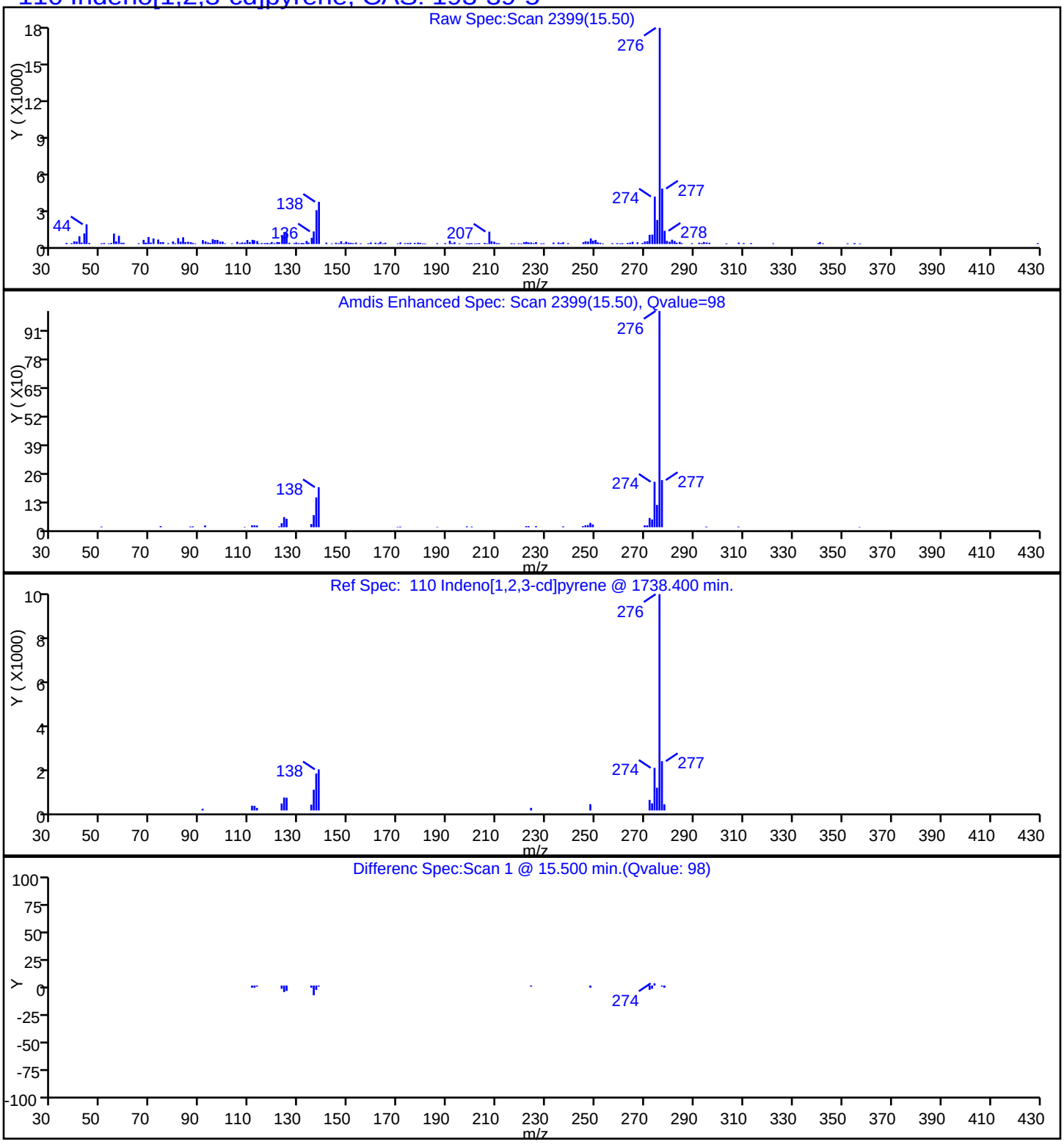
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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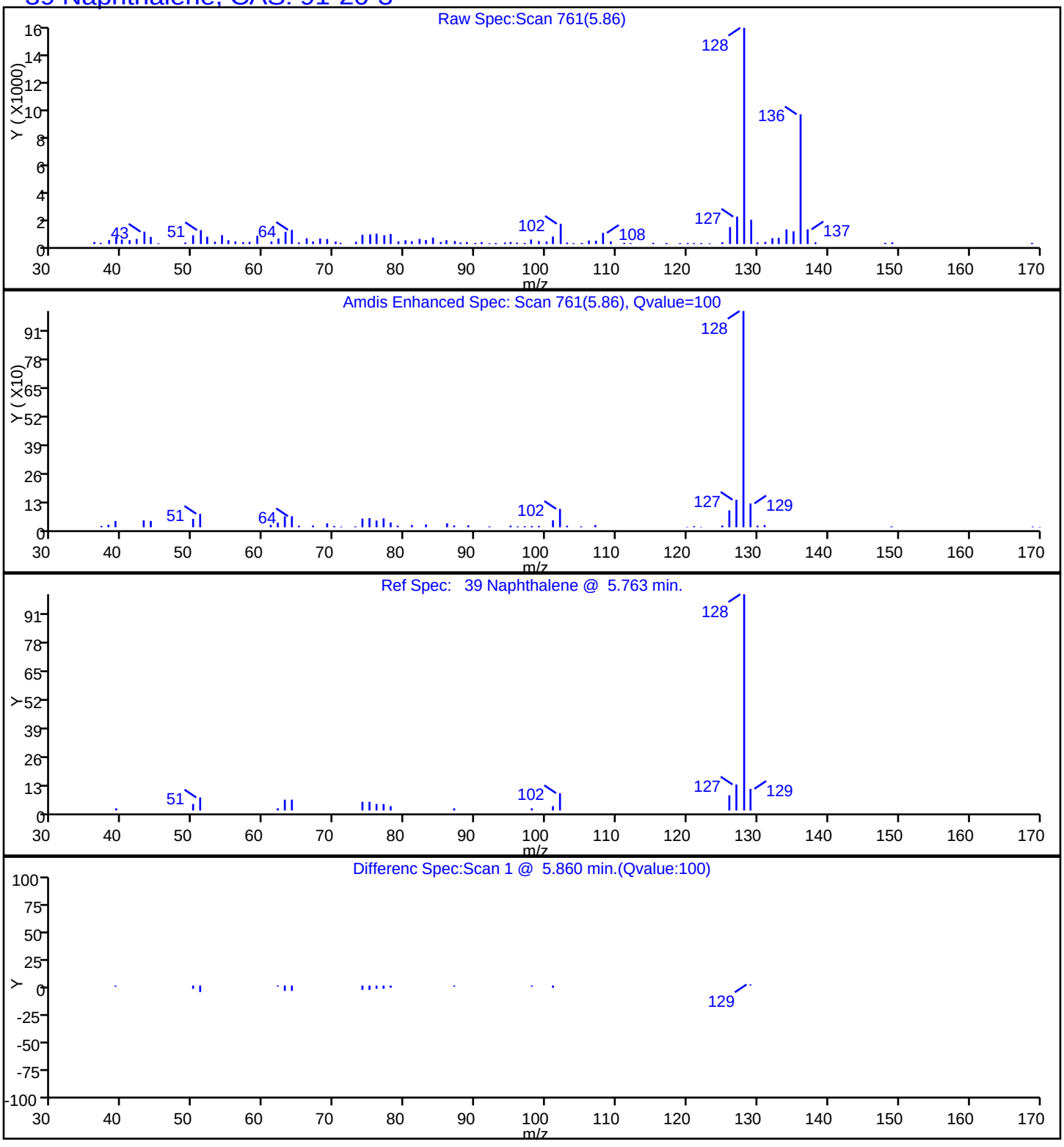
Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



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TestAmerica Edison

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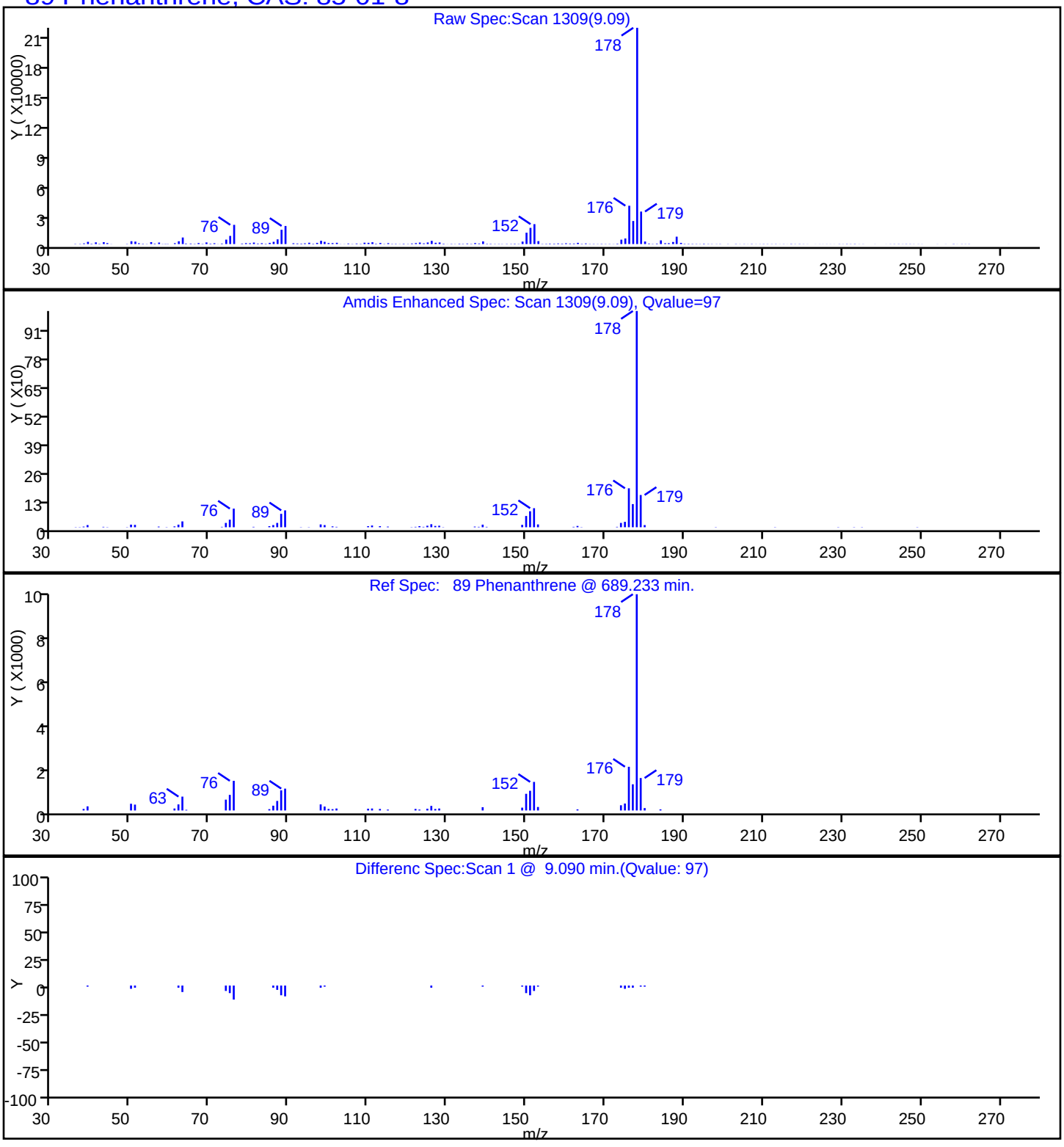
Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8



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TestAmerica Edison

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Injection Date:	23-Aug-2016 16:31:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-1-B	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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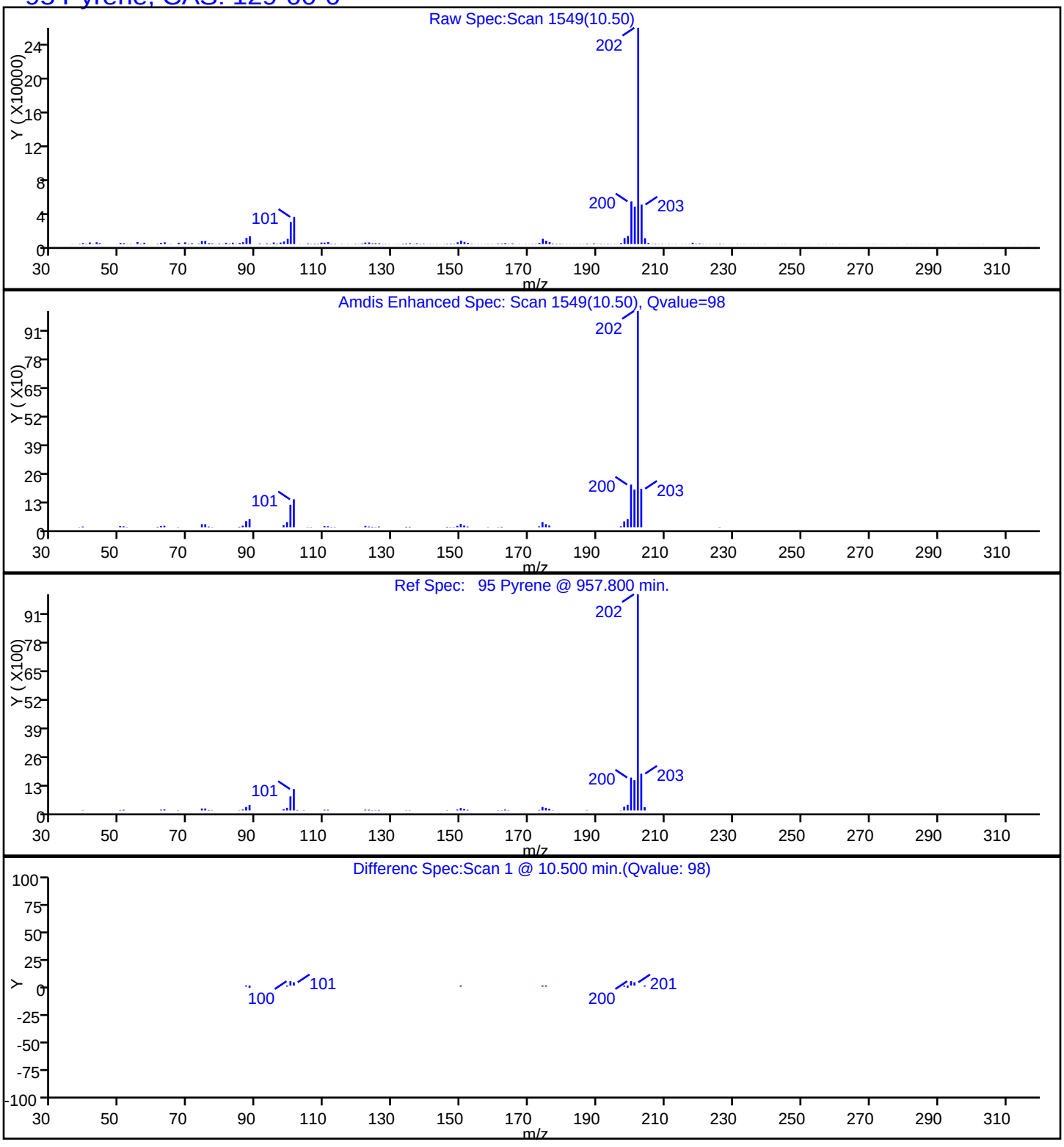
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(12-14)-08192016 | Lab Sample ID: 460-118926-2

Matrix: Solid | Lab File ID: x17371.D

Analysis Method: 8270D | Date Collected: 08/19/2016 08:40

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0289(g) | Date Analyzed: 08/23/2016 16:55

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	35	U	35	7.7
95-50-1	1,2-Dichlorobenzene	350	U	350	12
541-73-1	1,3-Dichlorobenzene	350	U	350	27
106-46-7	1,4-Dichlorobenzene	350	U	350	27
108-60-1	2,2'-oxybis[1-chloropropane]	350	U	350	14
121-14-2	2,4-Dinitrotoluene	71	U	71	14
606-20-2	2,6-Dinitrotoluene	71	U	71	19
91-58-7	2-Chloronaphthalene	350	U	350	7.9
91-57-6	2-Methylnaphthalene	350	U	350	7.7
88-74-4	2-Nitroaniline	350	U	350	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	39
99-09-2	3-Nitroaniline	350	U	350	10
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
106-47-8	4-Chloroaniline	350	U	350	8.9
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	10
100-01-6	4-Nitroaniline	350	U	350	13
83-32-9	Acenaphthene	350	U	350	8.4
208-96-8	Acenaphthylene	350	U	350	8.9
120-12-7	Anthracene	35	J	350	33
56-55-3	Benzo[a]anthracene	150		35	29
50-32-8	Benzo[a]pyrene	120		35	11
205-99-2	Benzo[b]fluoranthene	170		35	14
191-24-2	Benzo[g,h,i]perylene	84	J	350	20
207-08-9	Benzo[k]fluoranthene	61		35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.2
117-81-7	Bis(2-ethylhexyl) phthalate	200	J	350	14
85-68-7	Butyl benzyl phthalate	350	U	350	11
86-74-8	Carbazole	350	U	350	8.6
218-01-9	Chrysene	150	J	350	9.5
53-70-3	Dibenz(a,h)anthracene	35	U	35	18
132-64-9	Dibenzofuran	350	U	350	11
84-66-2	Diethyl phthalate	350	U	350	9.9
131-11-3	Dimethyl phthalate	350	U	350	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(12-14)-08192016 | Lab Sample ID: 460-118926-2

Matrix: Solid | Lab File ID: x17371.D

Analysis Method: 8270D | Date Collected: 08/19/2016 08:40

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0289(g) | Date Analyzed: 08/23/2016 16:55

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	16	J	350	10
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	250	J	350	10
86-73-7	Fluorene	350	U	350	7.6
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	71	U	71	9.8
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	84		35	23
78-59-1	Isophorone	48	J	140	7.5
91-20-3	Naphthalene	350	U	350	8.8
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	32
85-01-8	Phenanthrene	150	J	350	9.3
129-00-0	Pyrene	240	J	350	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	79		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	73		37-94
1718-51-0	Terphenyl-d14 (Surr)	87		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D
Lims ID: 460-118926-F-2-A
Client ID: SB-1(12-14)-08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:55:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-023
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 18:34:54 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: boykinc Date: 23-Aug-2016 17:56:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	96	519426	40.0	
$ 26 Nitrobenzene-d5	82	5.116	5.134	-0.018	86	669736	36.4	
31 Isophorone	82	5.369	5.398	-0.029	99	19514	0.6776	
* 38 Naphthalene-d8	136	5.845	5.857	-0.012	99	1774220	40.0	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1345548	39.3	
* 65 Acenaphthene-d10	164	7.598	7.610	-0.012	92	891960	40.0	
75 Fluorene	166	8.139	8.151	-0.012	96	2835	0.1029	
* 88 Phenanthrene-d10	188	9.069	9.075	-0.006	98	1175248	40.0	
89 Phenanthrene	178	9.086	9.098	-0.012	97	69361	2.09	
90 Anthracene	178	9.139	9.151	-0.012	99	17176	0.5044	
91 Carbazole	167	9.292	9.298	-0.006	96	2885	0.1064	
92 Di-n-butyl phthalate	149	9.627	9.633	-0.006	99	6954	0.2218	
93 Fluoranthene	202	10.263	10.269	-0.006	98	100968	3.53	
95 Pyrene	202	10.498	10.504	-0.006	100	88987	3.48	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	100	849548	43.5	
101 Benzo[a]anthracene	228	11.880	11.892	-0.012	99	38012	2.10	
* 102 Chrysene-d12	240	11.892	11.904	-0.012	99	642607	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.904	11.916	-0.012	83	35129	2.91	
103 Chrysene	228	11.927	11.939	-0.012	99	37578	2.18	
106 Benzo[b]fluoranthene	252	13.339	13.345	-0.006	98	32773	2.45	
107 Benzo[k]fluoranthene	252	13.368	13.386	-0.018	1	13127	0.8697	M
108 Benzo[a]pyrene	252	13.792	13.804	-0.012	97	21123	1.76	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	478832	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.498	15.515	-0.017	98	12193	1.19	
111 Dibenz(a,h)anthracene	278	15.527	15.551	-0.024	93	2227	0.2086	
112 Benzo[g,h,i]perylene	276	15.956	15.980	-0.024	98	12596	1.20	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

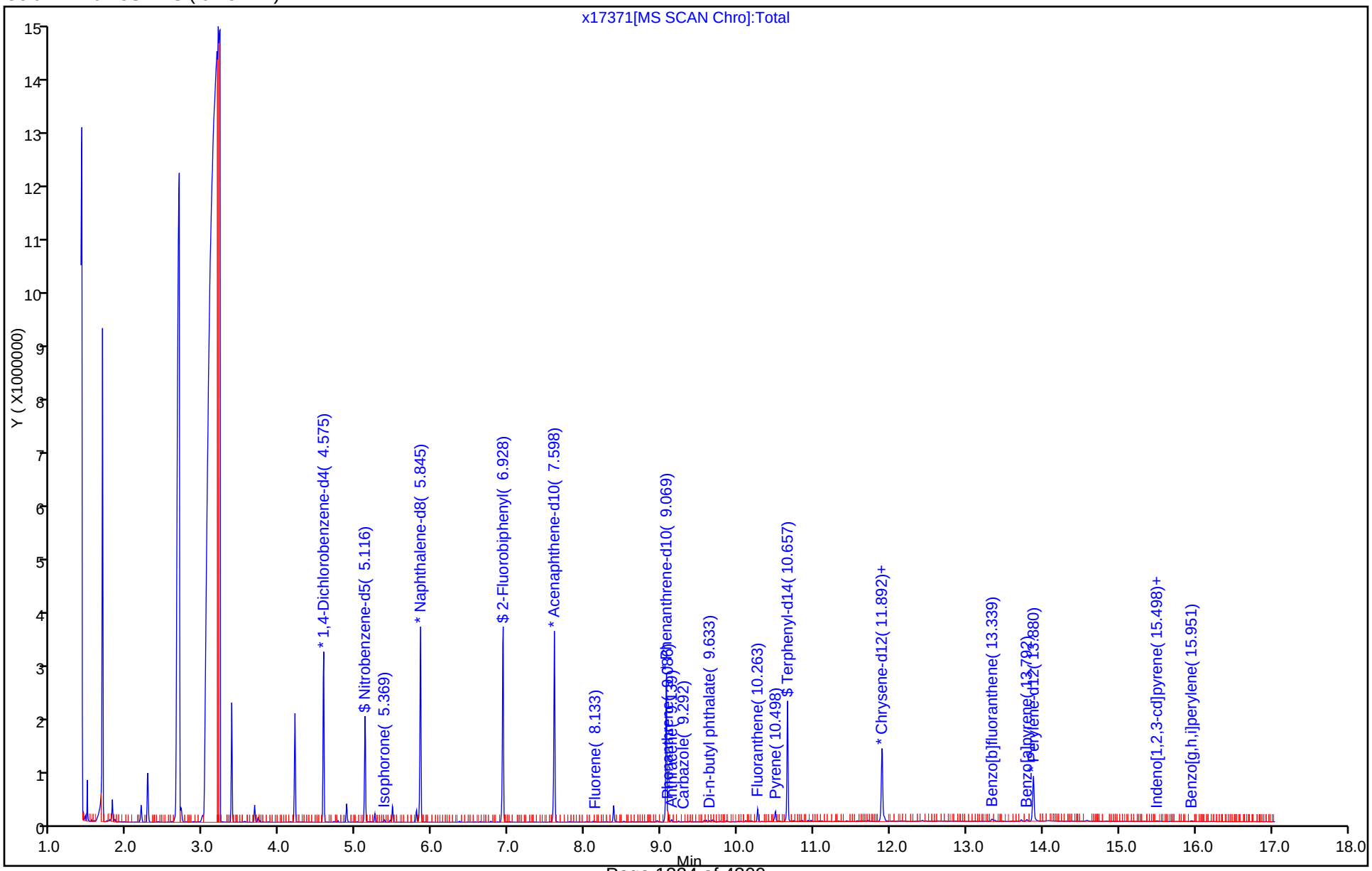
Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D

Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2	Worklist Smp#:	23
Client ID:	SB-1(12-14)-08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



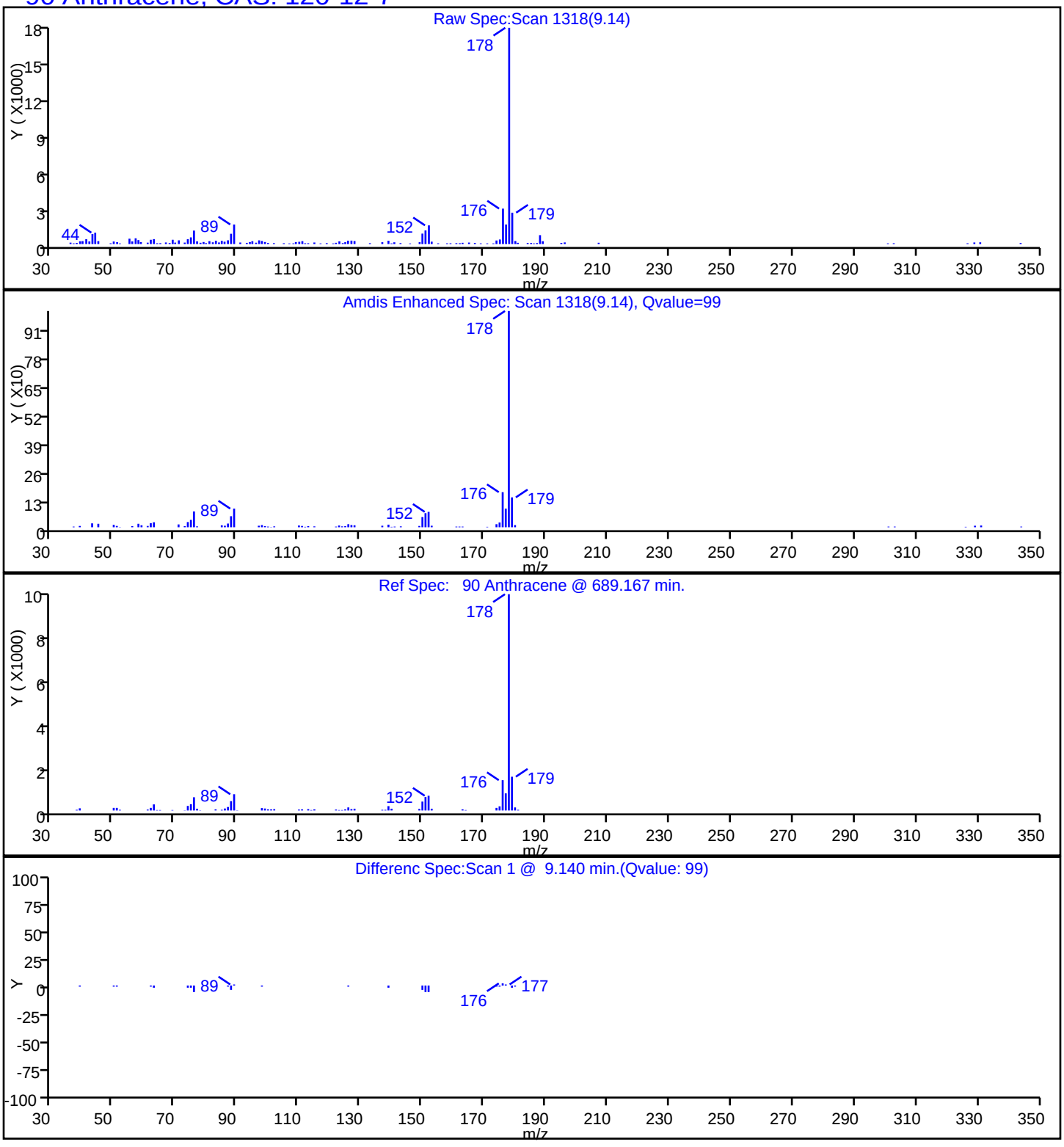
Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D

Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7



Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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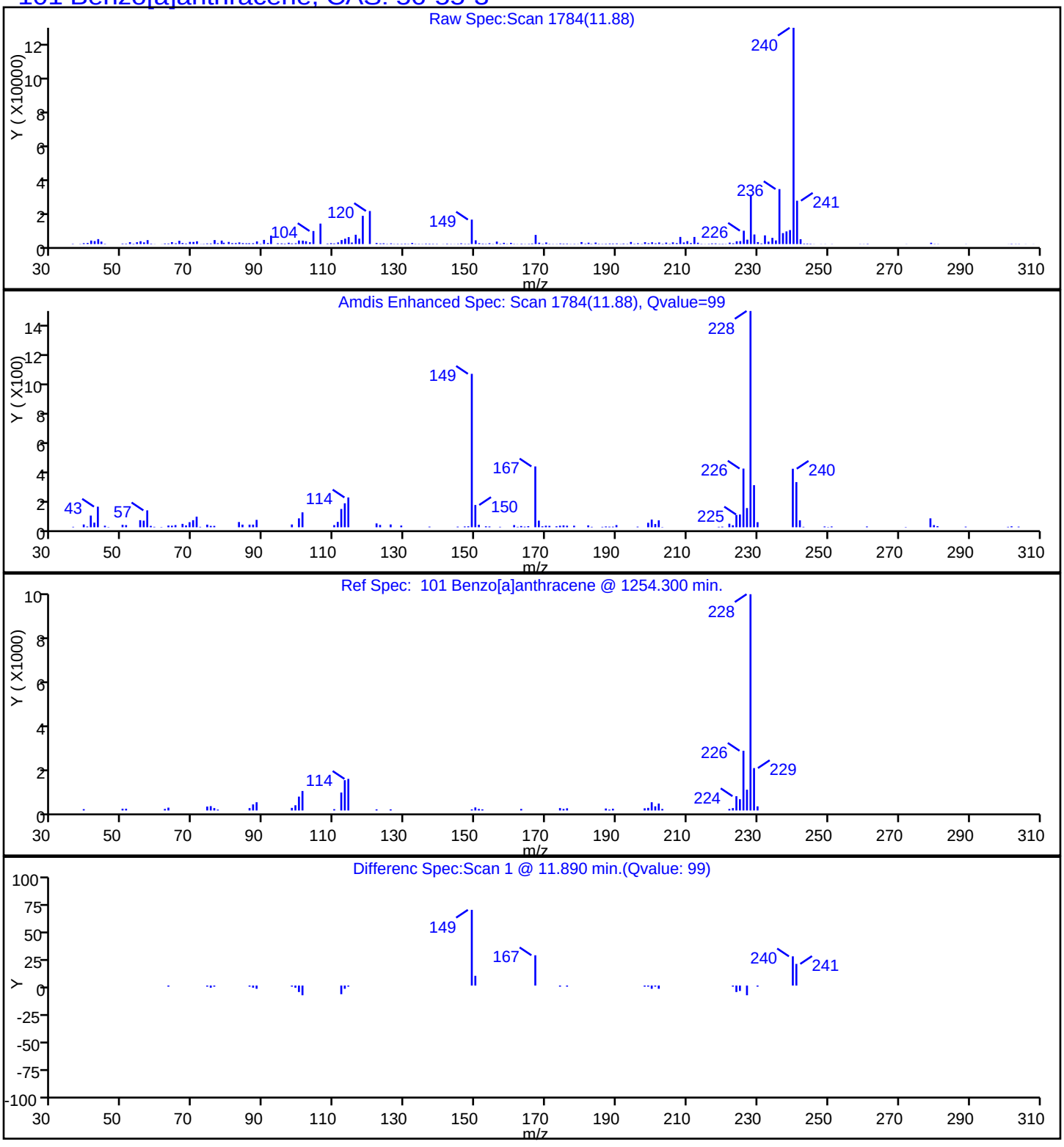
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D

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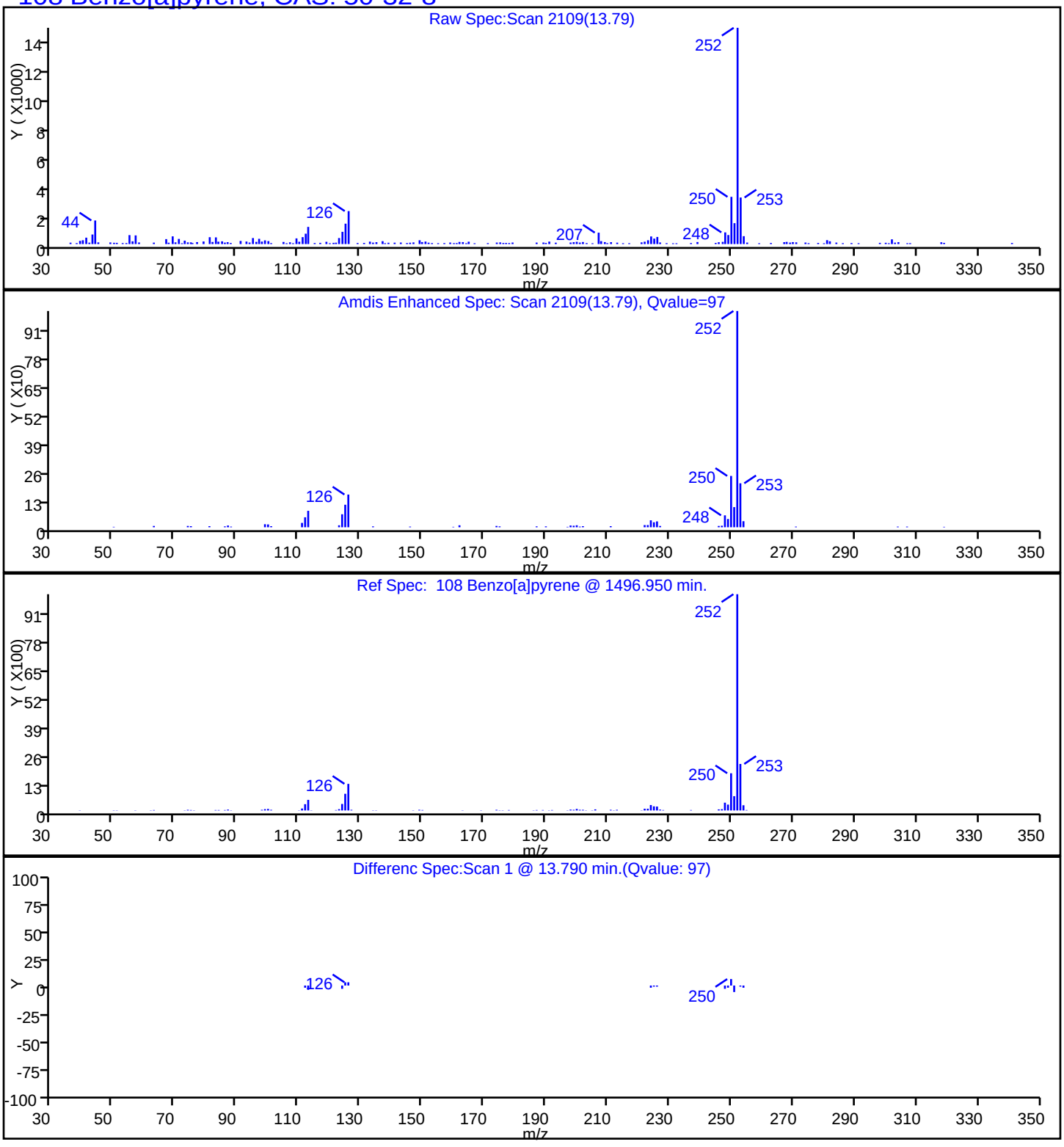
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

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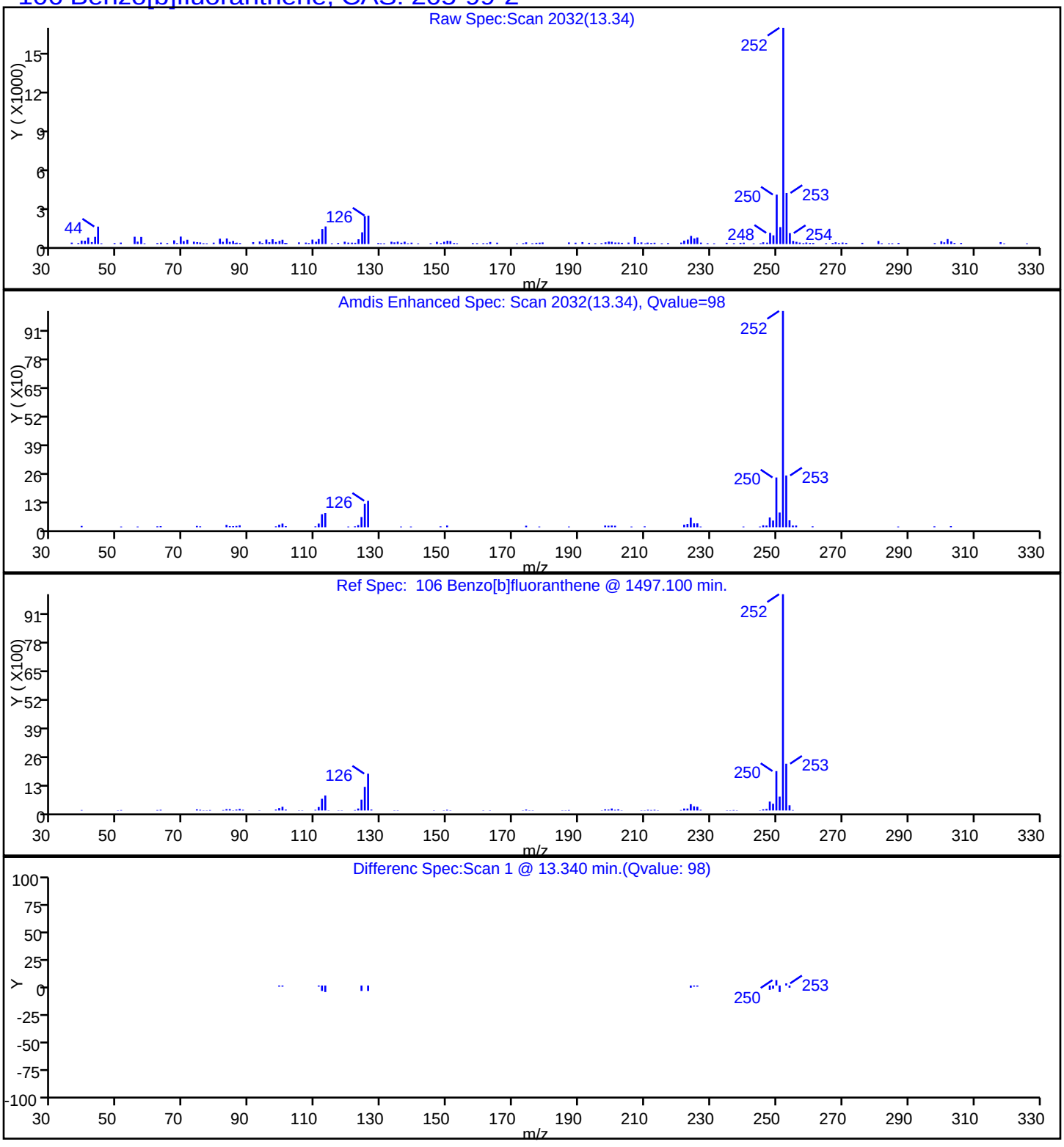
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

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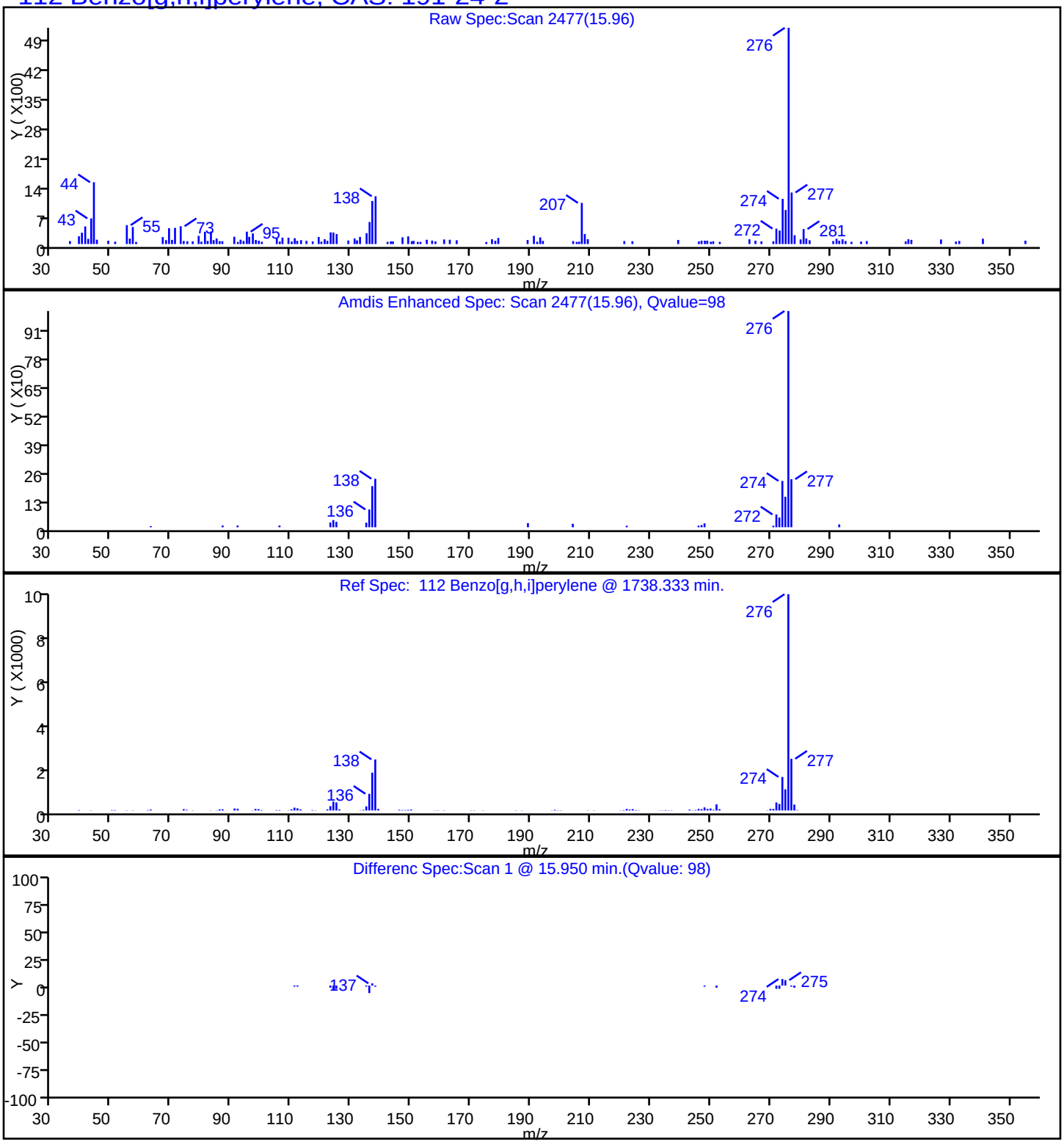
Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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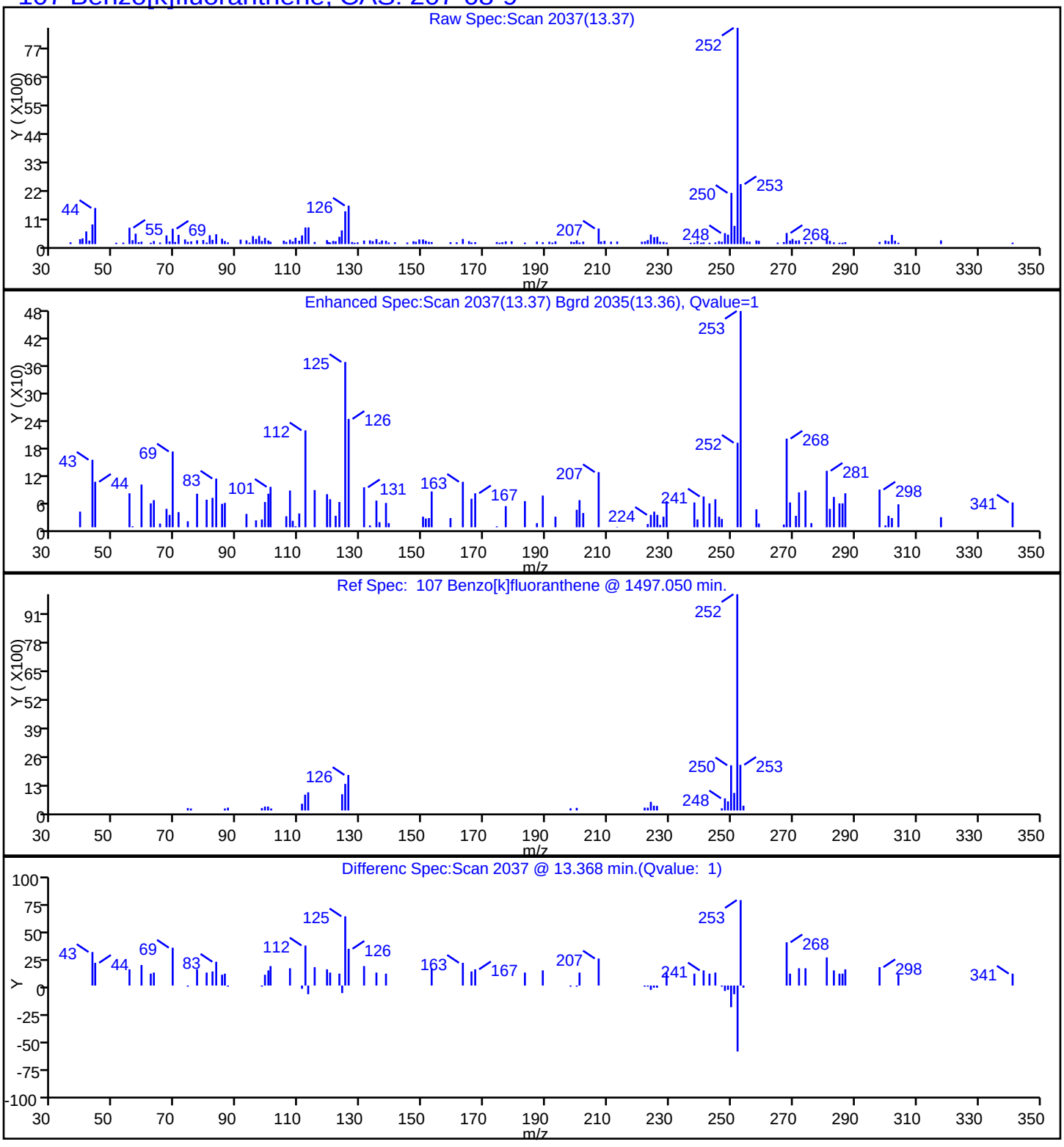
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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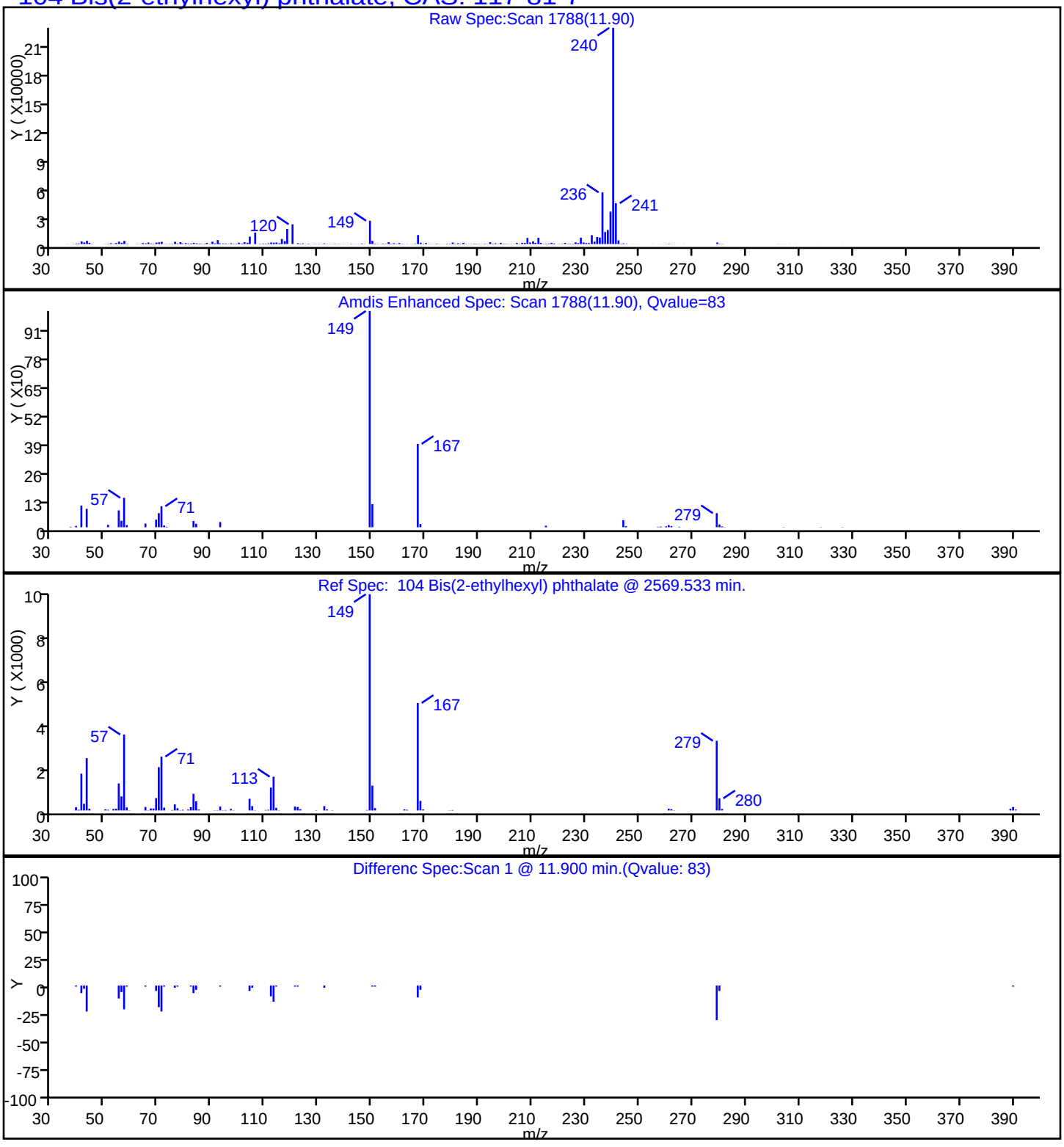
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D

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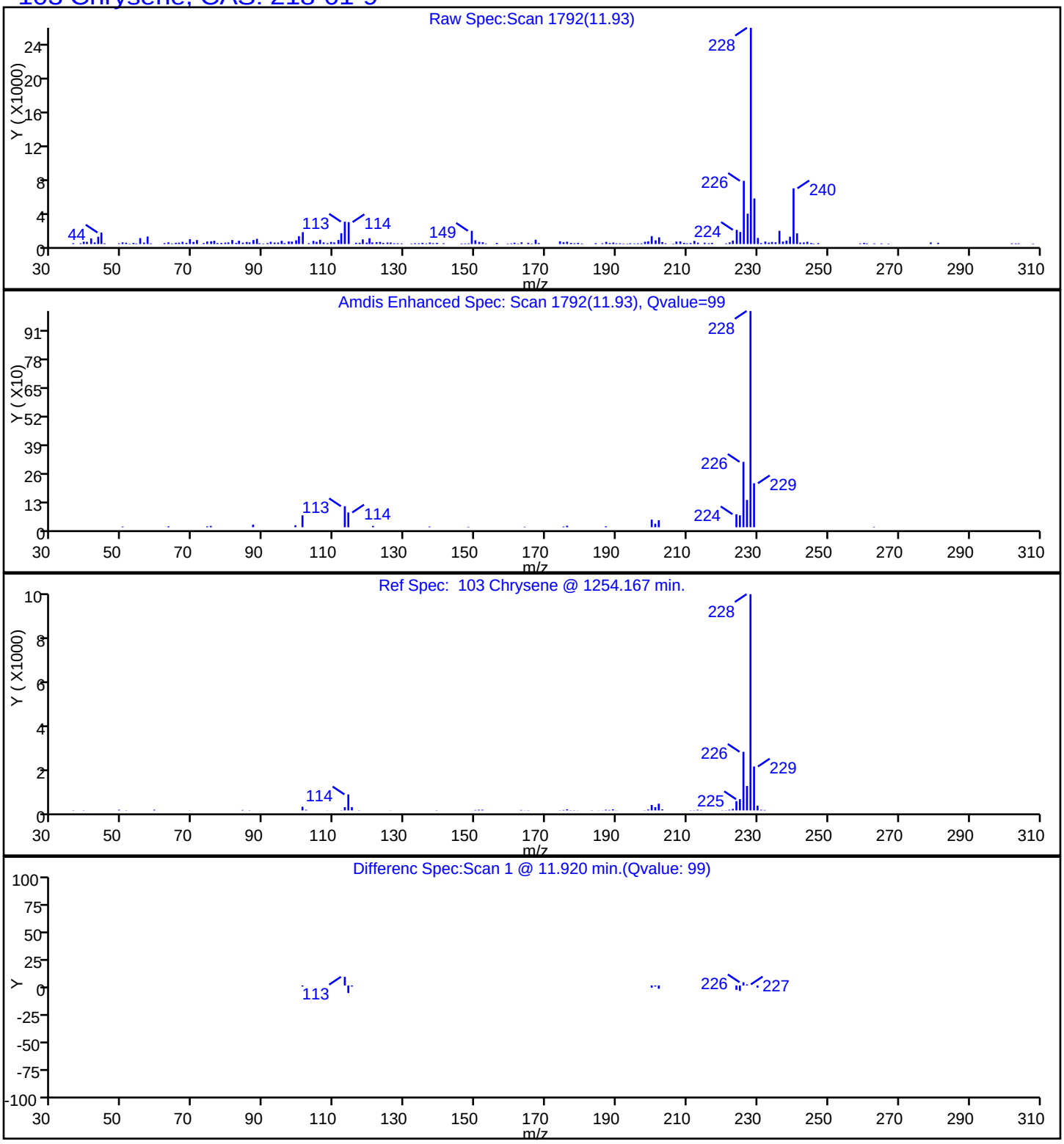
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9



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TestAmerica Edison

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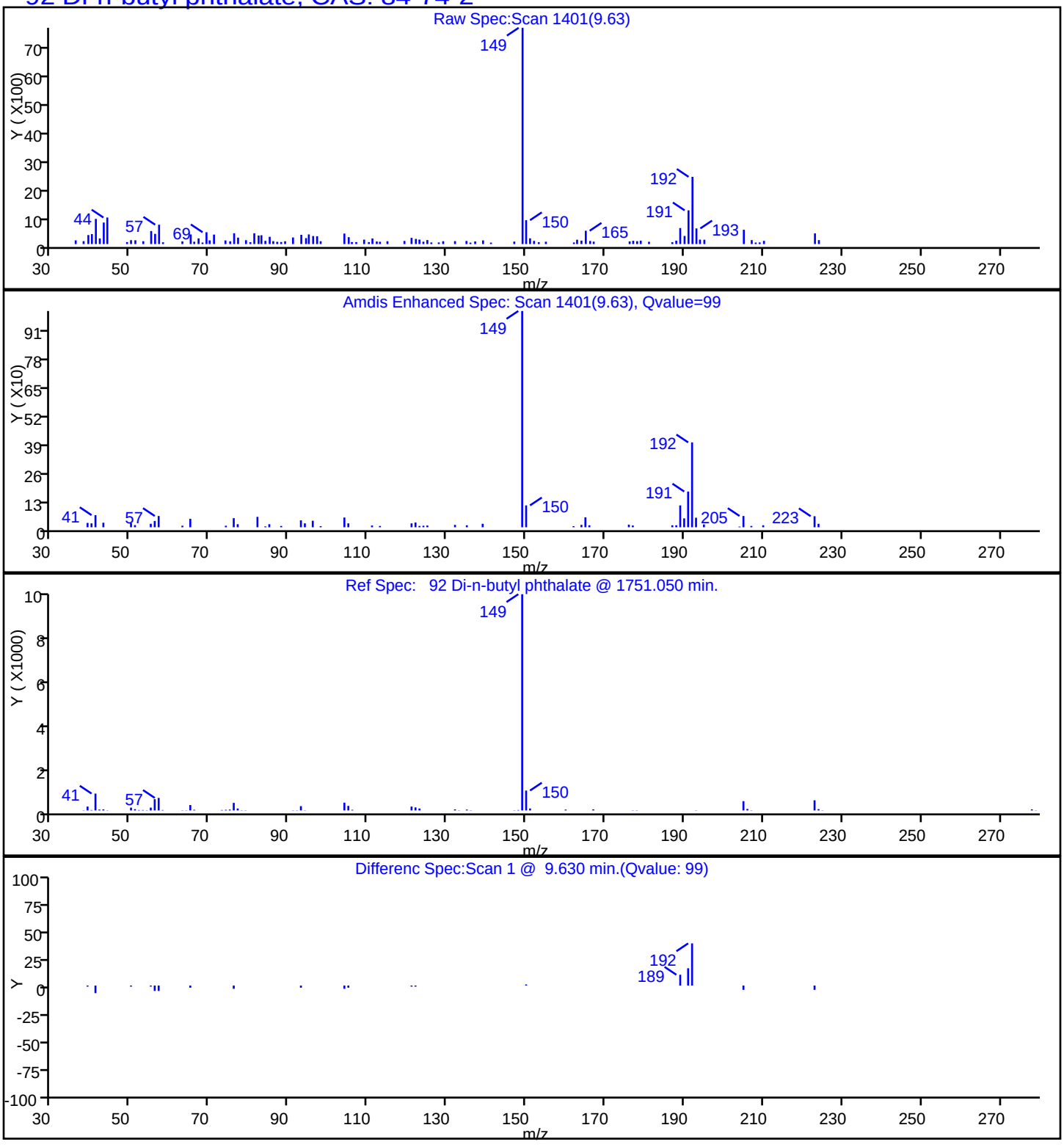
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Di-n-butyl phthalate, CAS: 84-74-2



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TestAmerica Edison

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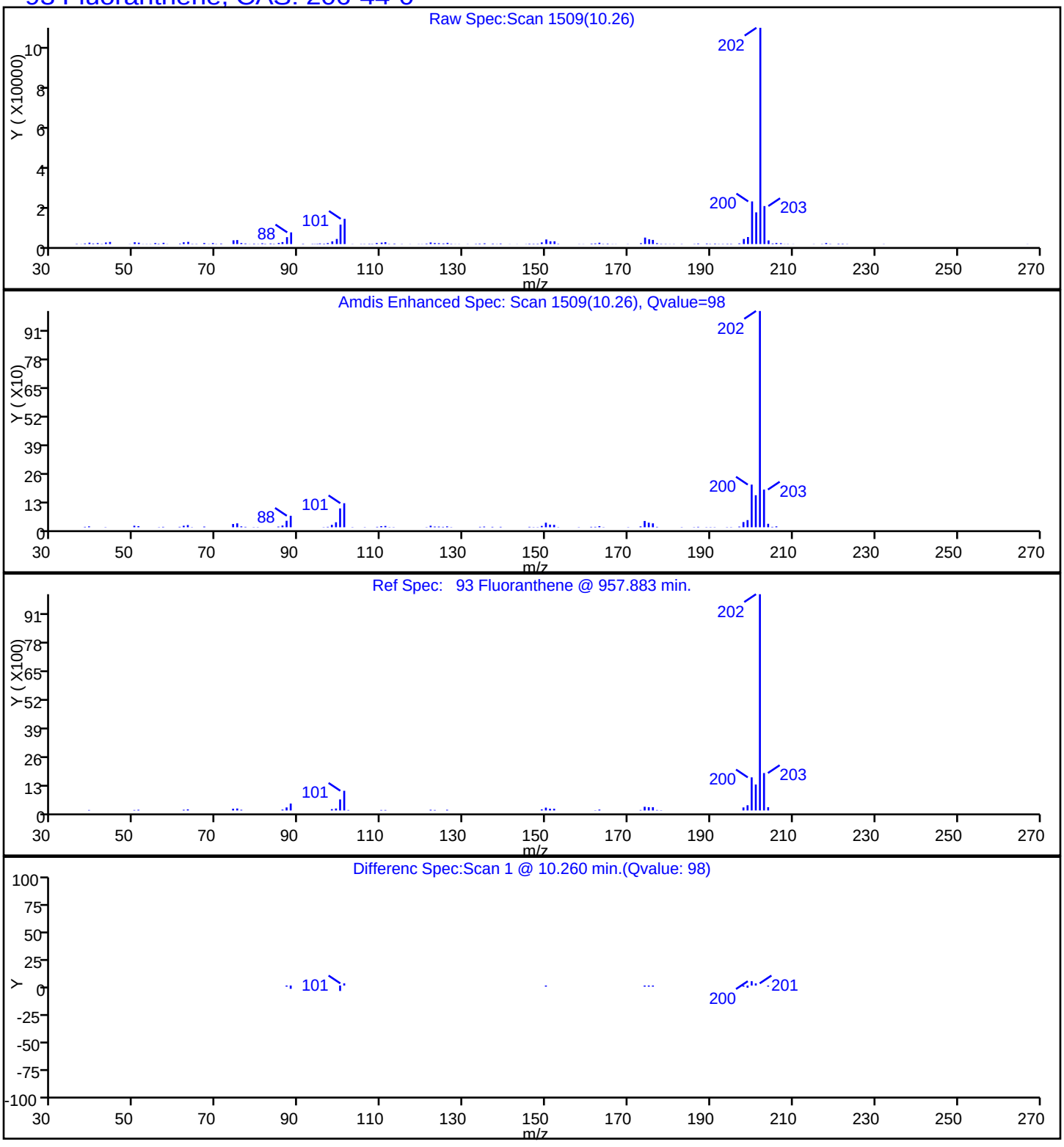
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

93 Fluoranthene, CAS: 206-44-0



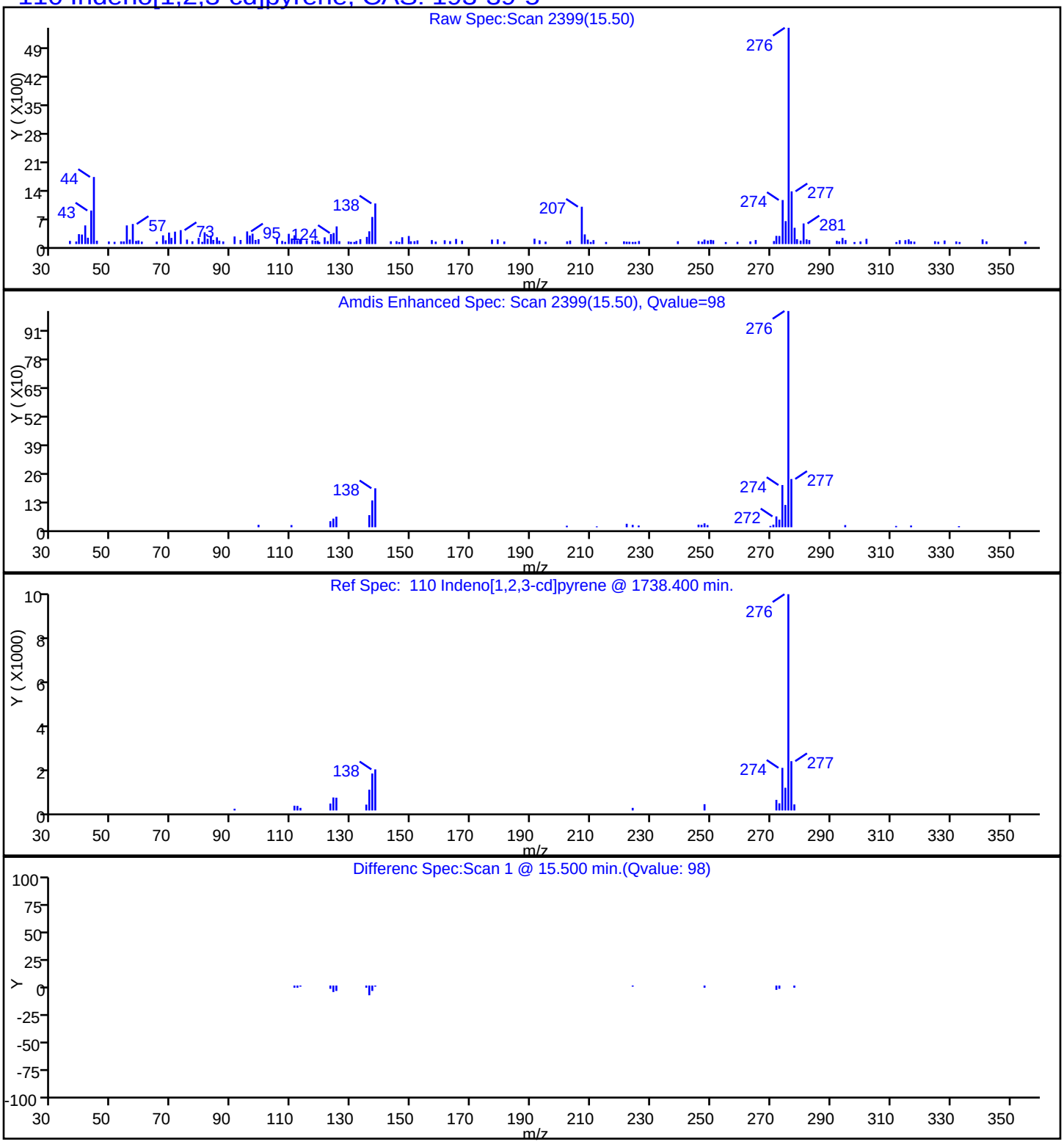
Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D

Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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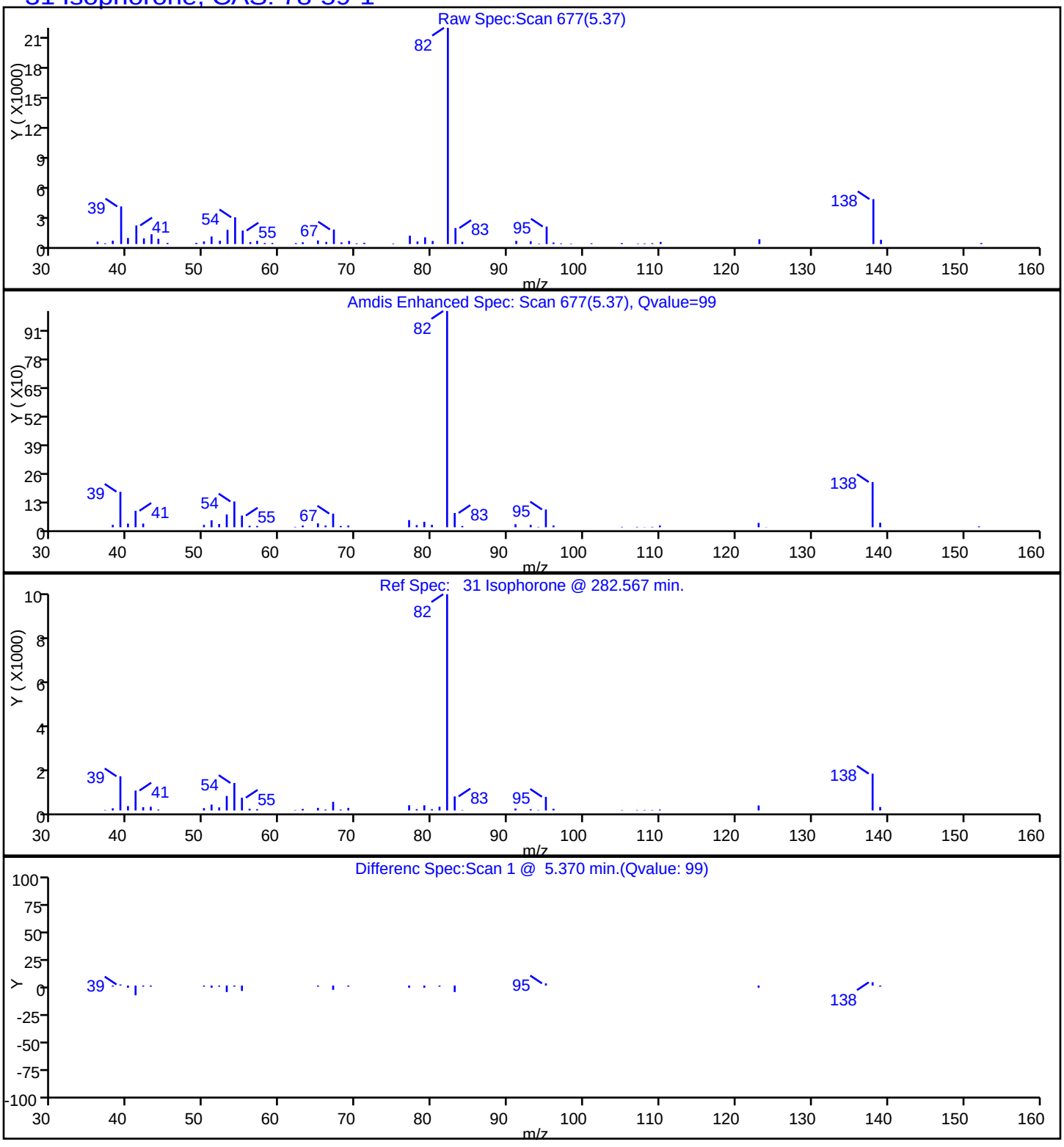
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D

Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2
Client ID:	SB-1(12-14)-08192016		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

31 Isophorone, CAS: 78-59-1



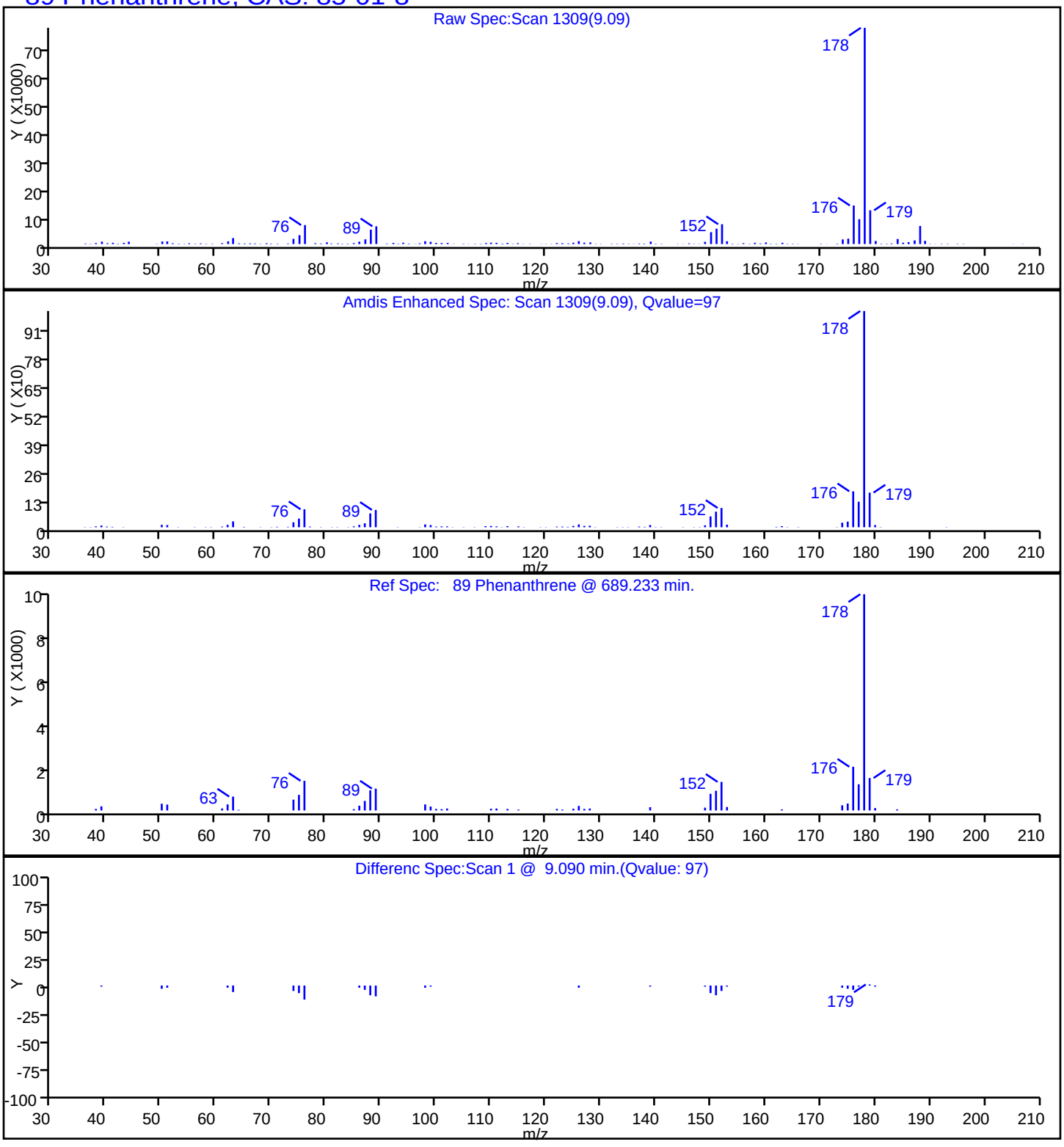
Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D

Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8

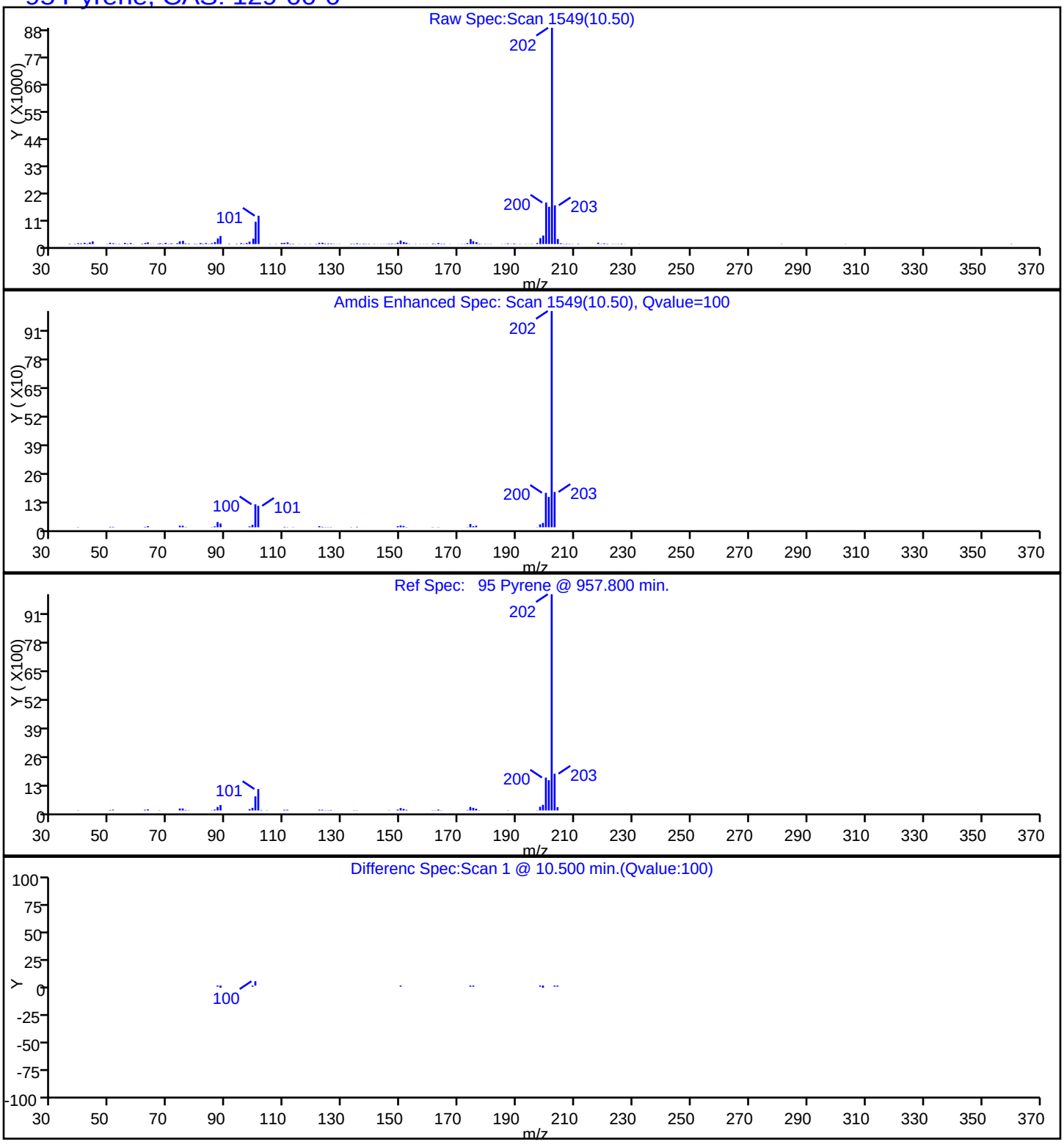


Report Date: 24-Aug-2016 18:35:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D				
Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

TestAmerica Edison

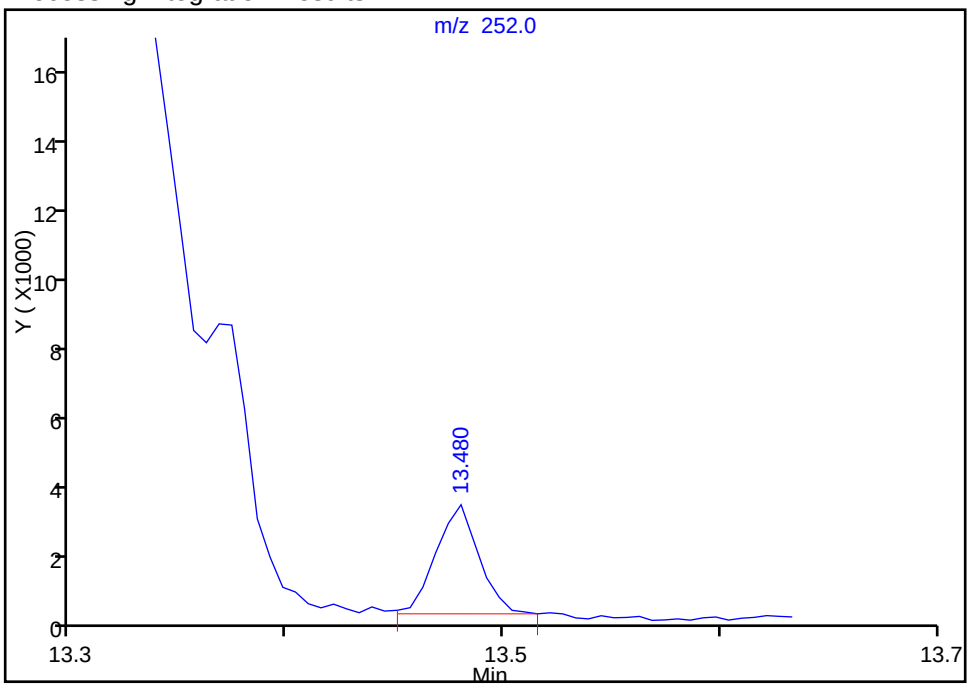
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D				
Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

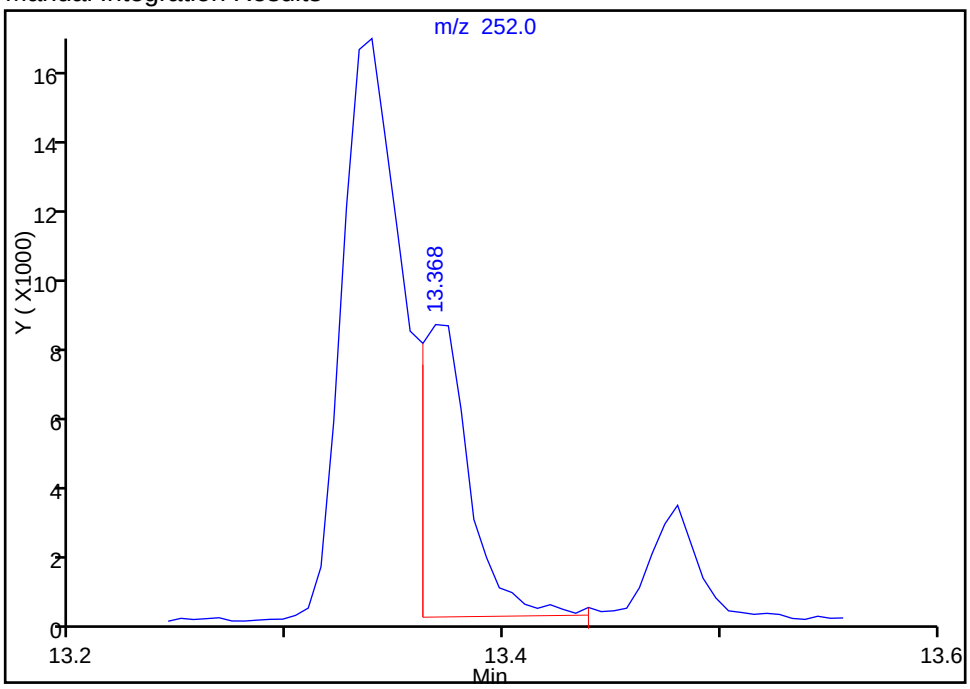
Processing Integration Results

RT: 13.48
Area: 4256
Amount: 0.281976
Amount Units: ug/ml



Manual Integration Results

RT: 13.37
Area: 13127
Amount: 0.869712
Amount Units: ug/ml



Reviewer: boykinc, 23-Aug-2016 17:56:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Edison

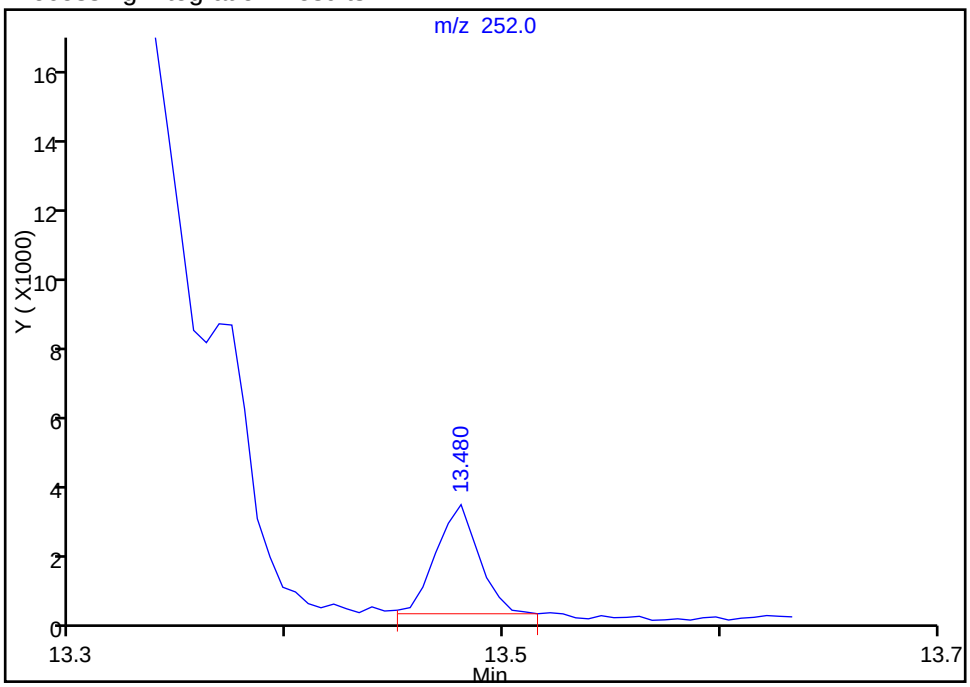
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D				
Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

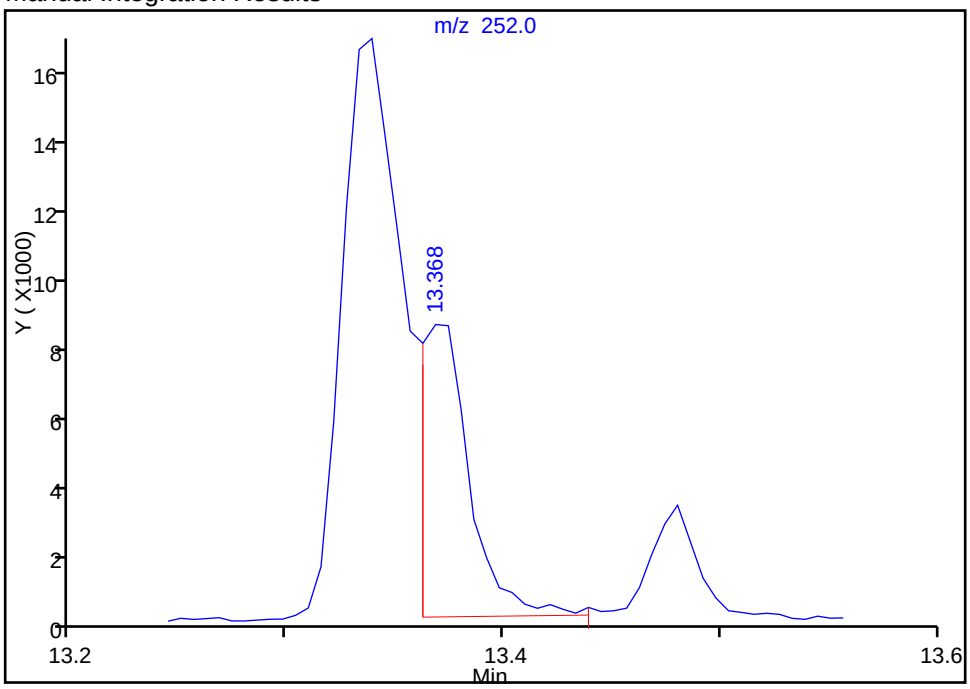
Processing Integration Results

RT: 13.48
Area: 4256
Amount: 0.281976
Amount Units: ug/ml



Manual Integration Results

RT: 13.37
Area: 13127
Amount: 0.869712
Amount Units: ug/ml



Reviewer: boykinc, 23-Aug-2016 18:09:17

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

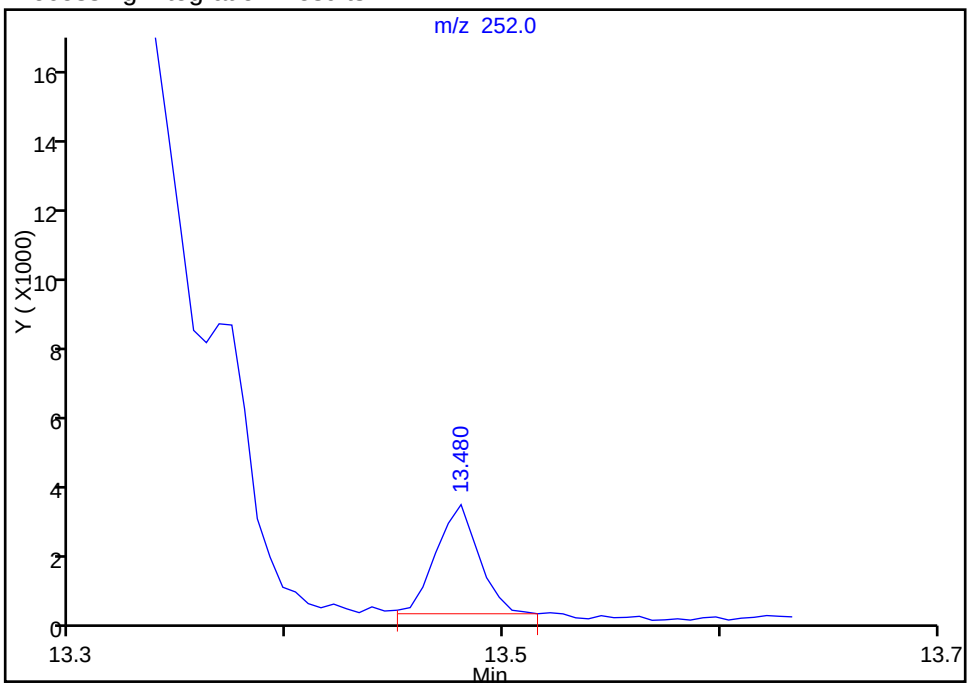
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17371.D				
Injection Date:	23-Aug-2016 16:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-F-2-A	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

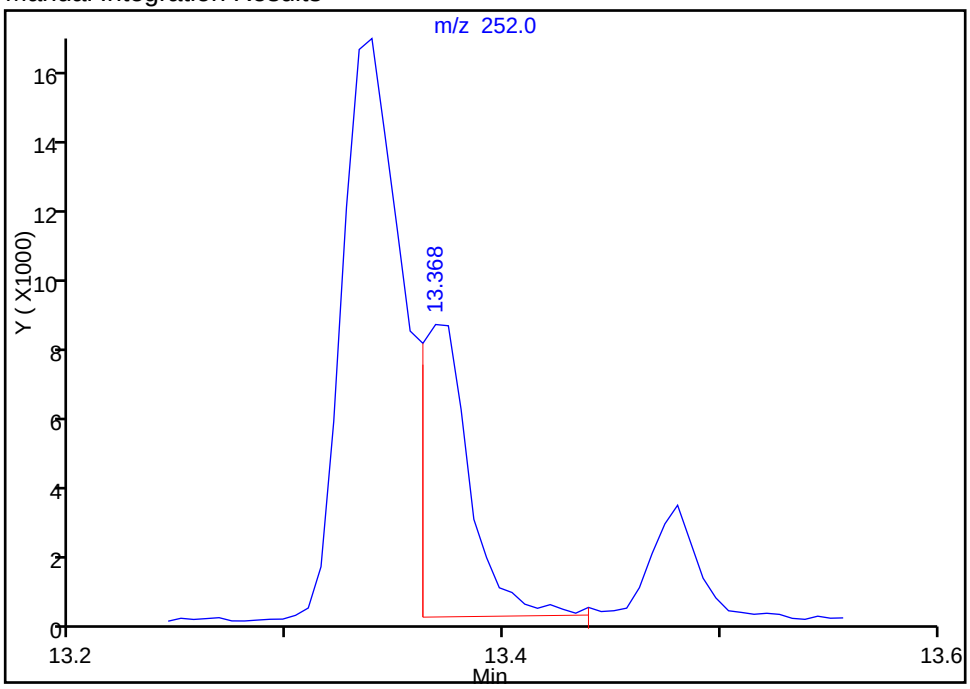
Processing Integration Results

RT: 13.48
Area: 4256
Amount: 0.281976
Amount Units: ug/ml



Manual Integration Results

RT: 13.37
Area: 13127
Amount: 0.869712
Amount Units: ug/ml



Reviewer: boykinc, 23-Aug-2016 18:09:17

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(2-4)08192016 | Lab Sample ID: 460-118926-3

Matrix: Solid | Lab File ID: x17372.D

Analysis Method: 8270D | Date Collected: 08/19/2016 09:02

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0245(g) | Date Analyzed: 08/23/2016 17:18

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	22	J	37	8.1
95-50-1	1,2-Dichlorobenzene	75	J	370	12
541-73-1	1,3-Dichlorobenzene	85	J	370	29
106-46-7	1,4-Dichlorobenzene	47	J	370	29
108-60-1	2,2'-oxybis[1-chloropropane]	370	U	370	15
121-14-2	2,4-Dinitrotoluene	75	U	75	15
606-20-2	2,6-Dinitrotoluene	75	U	75	20
91-58-7	2-Chloronaphthalene	96	J	370	8.4
91-57-6	2-Methylnaphthalene	77	J	370	8.1
88-74-4	2-Nitroaniline	370	U	370	12
91-94-1	3,3'-Dichlorobenzidine	150	U	150	41
99-09-2	3-Nitroaniline	370	U	370	11
101-55-3	4-Bromophenyl phenyl ether	370	U	370	12
106-47-8	4-Chloroaniline	370	U	370	9.5
7005-72-3	4-Chlorophenyl phenyl ether	370	U	370	11
100-01-6	4-Nitroaniline	370	U	370	14
83-32-9	Acenaphthene	49	J	370	8.9
208-96-8	Acenaphthylene	120	J	370	9.5
120-12-7	Anthracene	200	J	370	35
56-55-3	Benzo[a]anthracene	490		37	31
50-32-8	Benzo[a]pyrene	410		37	11
205-99-2	Benzo[b]fluoranthene	640		37	14
191-24-2	Benzo[g,h,i]perylene	320	J	370	21
207-08-9	Benzo[k]fluoranthene	210		37	16
111-91-1	Bis(2-chloroethoxy)methane	370	U	370	11
111-44-4	Bis(2-chloroethyl)ether	37	U	37	8.7
117-81-7	Bis(2-ethylhexyl) phthalate	370	U	370	14
85-68-7	Butyl benzyl phthalate	370	U	370	11
86-74-8	Carbazole	64	J	370	9.1
218-01-9	Chrysene	550		370	10
53-70-3	Dibenz(a,h)anthracene	81		37	19
132-64-9	Dibenzofuran	82	J	370	11
84-66-2	Diethyl phthalate	370	U	370	10
131-11-3	Dimethyl phthalate	370	U	370	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(2-4)08192016 | Lab Sample ID: 460-118926-3

Matrix: Solid | Lab File ID: x17372.D

Analysis Method: 8270D | Date Collected: 08/19/2016 09:02

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0245(g) | Date Analyzed: 08/23/2016 17:18

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	29	J	370	11
117-84-0	Di-n-octyl phthalate	370	U	370	19
206-44-0	Fluoranthene	1100		370	11
86-73-7	Fluorene	43	J	370	8.0
118-74-1	Hexachlorobenzene	37	U	37	15
87-68-3	Hexachlorobutadiene	75	U	75	10
77-47-4	Hexachlorocyclopentadiene	370	U	370	23
67-72-1	Hexachloroethane	37	U	37	13
193-39-5	Indeno[1,2,3-cd]pyrene	310		37	24
78-59-1	Isophorone	150	U	150	7.9
91-20-3	Naphthalene	520		370	9.4
98-95-3	Nitrobenzene	37	U	37	12
621-64-7	N-Nitrosodi-n-propylamine	37	U	37	12
86-30-6	N-Nitrosodiphenylamine	370	U	370	33
85-01-8	Phenanthrene	1000		370	9.8
129-00-0	Pyrene	1000		370	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	68		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	61		37-94
1718-51-0	Terphenyl-d14 (Surr)	72		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D
Lims ID: 460-118926-E-3-B
Client ID: SB-2(2-4)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:18:30 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-024
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 18:34:54 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: boykinc Date: 23-Aug-2016 18:02:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
13 1,3-Dichlorobenzene	146	4.516	4.522	-0.006	97	24297	1.14	
* 14 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	95	544357	40.0	
15 1,4-Dichlorobenzene	146	4.587	4.592	-0.005	94	13373	0.6301	
17 1,2-Dichlorobenzene	146	4.740	4.745	-0.005	96	20003	1.01	
$ 26 Nitrobenzene-d5	82	5.116	5.134	-0.018	86	588646	30.4	
37 1,2,4-Trichlorobenzene	180	5.787	5.798	-0.012	93	4808	0.2962	
* 38 Naphthalene-d8	136	5.845	5.857	-0.012	99	1871481	40.0	
39 Naphthalene	128	5.863	5.875	-0.012	100	342077	6.98	
44 2-Methylnaphthalene	142	6.557	6.569	-0.012	86	31899	1.04	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1189477	34.0	
53 2-Chloronaphthalene	162	7.045	7.057	-0.012	98	35831	1.29	
61 Acenaphthylene	152	7.457	7.469	-0.012	98	65498	1.64	
* 65 Acenaphthene-d10	164	7.598	7.610	-0.012	92	911471	40.0	
67 Acenaphthene	154	7.628	7.639	-0.011	95	17563	0.6603	
71 Dibenzofuran	168	7.798	7.810	-0.012	95	40892	1.11	
75 Fluorene	166	8.139	8.151	-0.012	97	16427	0.5834	
* 88 Phenanthrene-d10	188	9.069	9.075	-0.006	98	1153188	40.0	
89 Phenanthrene	178	9.086	9.098	-0.012	97	440142	13.5	
90 Anthracene	178	9.139	9.151	-0.012	99	89275	2.67	
91 Carbazole	167	9.292	9.298	-0.006	96	22903	0.8605	
92 Di-n-butyl phthalate	149	9.627	9.633	-0.006	99	11876	0.3861	
93 Fluoranthene	202	10.263	10.269	-0.006	98	411847	14.7	
95 Pyrene	202	10.498	10.504	-0.006	98	336723	13.4	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	100	691081	36.1	
101 Benzo[a]anthracene	228	11.880	11.892	-0.012	98	118103	6.65	
* 102 Chrysene-d12	240	11.892	11.904	-0.012	99	629424	40.0	
103 Chrysene	228	11.927	11.939	-0.012	99	124398	7.36	
106 Benzo[b]fluoranthene	252	13.339	13.345	-0.006	98	107719	8.66	
107 Benzo[k]fluoranthene	252	13.368	13.386	-0.018	1	39472	2.81	M
108 Benzo[a]pyrene	252	13.792	13.804	-0.012	98	61759	5.52	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	446069	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.498	15.515	-0.017	99	40152	4.20	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
111 Dibenz(a,h)anthracene	278	15.533	15.551	-0.018	60	10874	1.09	
112 Benzo[g,h,i]perylene	276	15.956	15.980	-0.024	98	41683	4.26	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

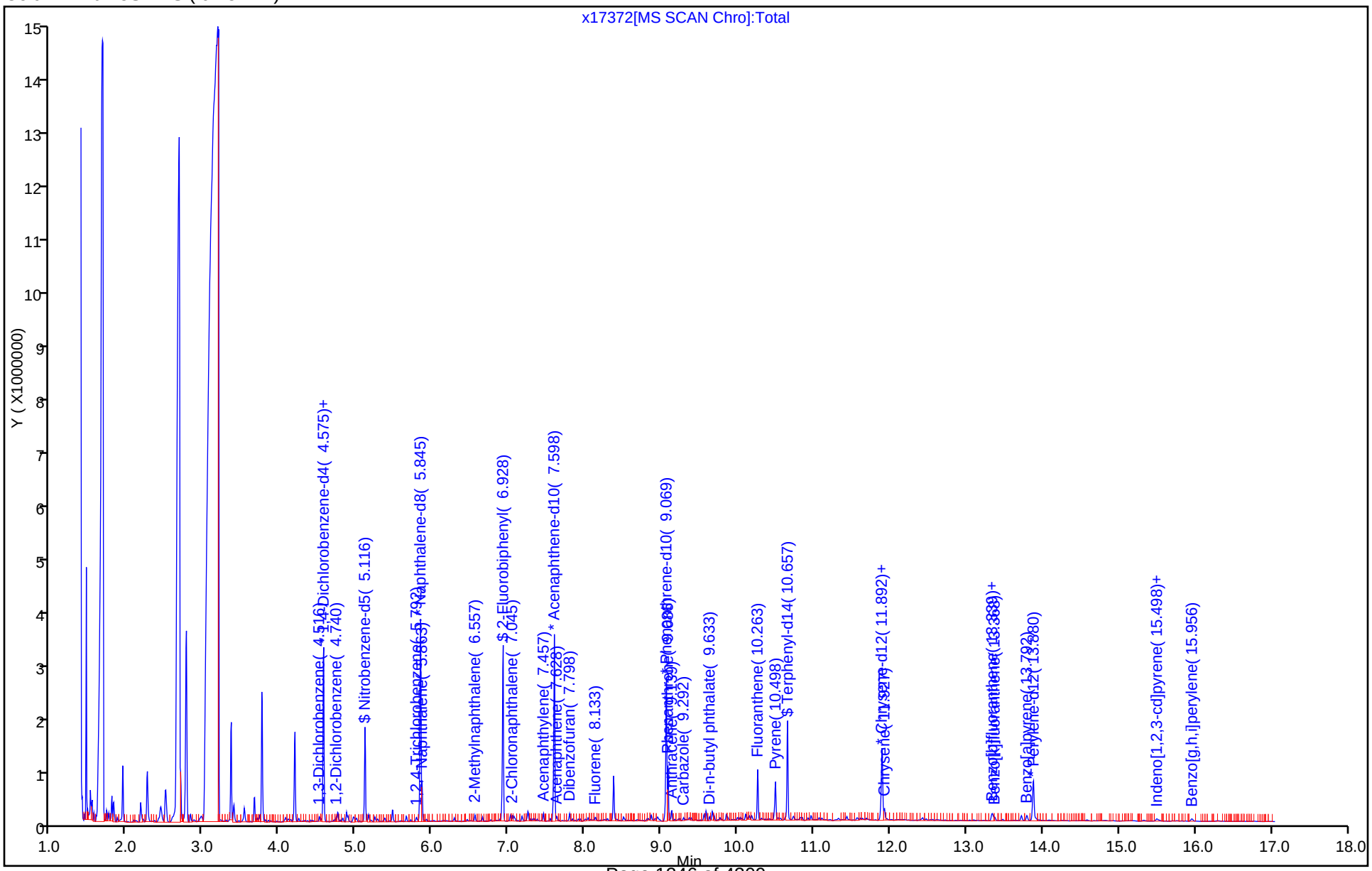
Report Date: 24-Aug-2016 18:35:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D

Injection Date:	23-Aug-2016 17:18:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-118926-E-3-B	Lab Sample ID:	460-118926-3	Worklist Smp#:	24
Client ID:	SB-2(2-4)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



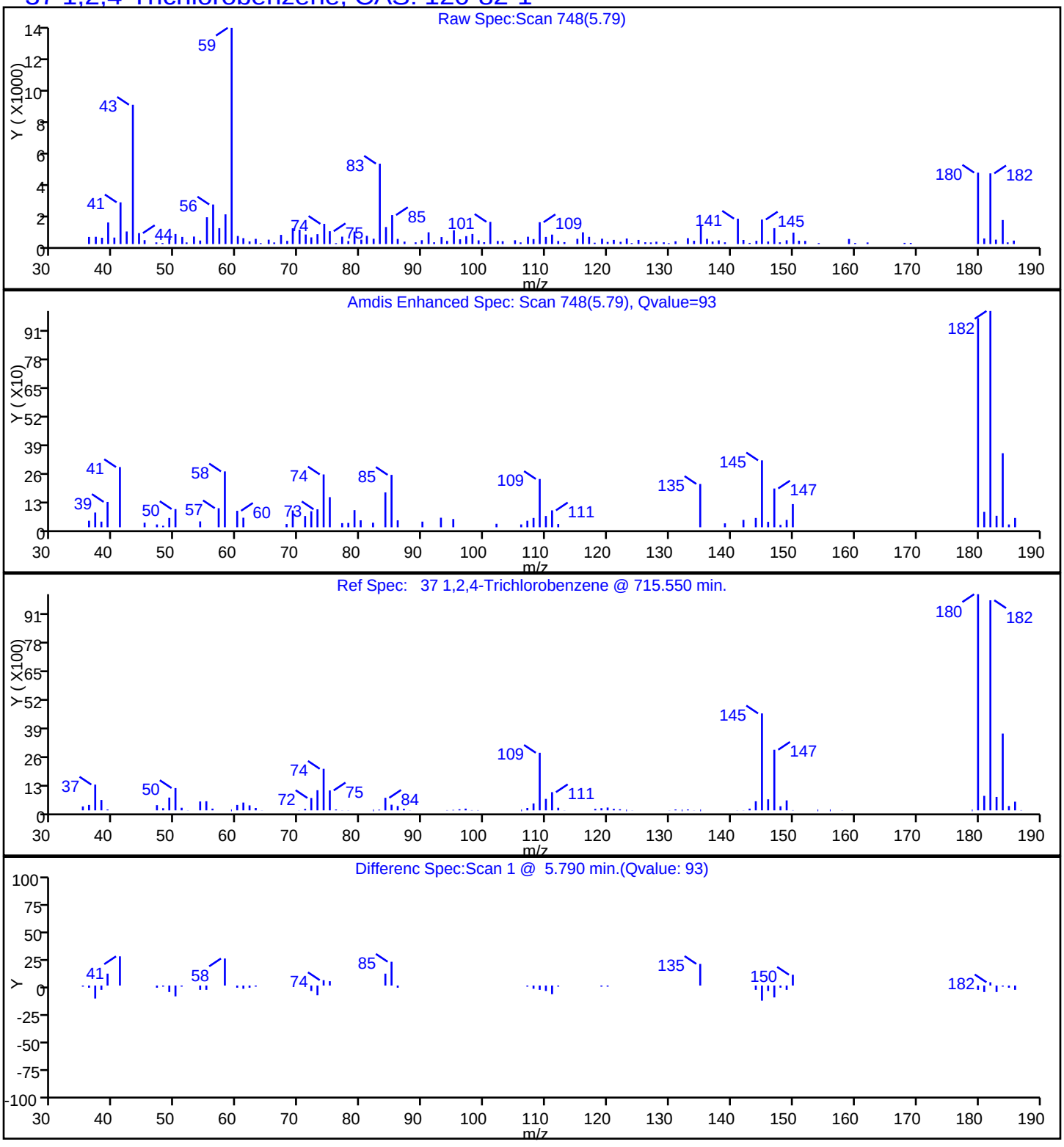
Report Date: 24-Aug-2016 18:35:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D

Injection Date:	23-Aug-2016 17:18:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-3-B	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 1,2,4-Trichlorobenzene, CAS: 120-82-1

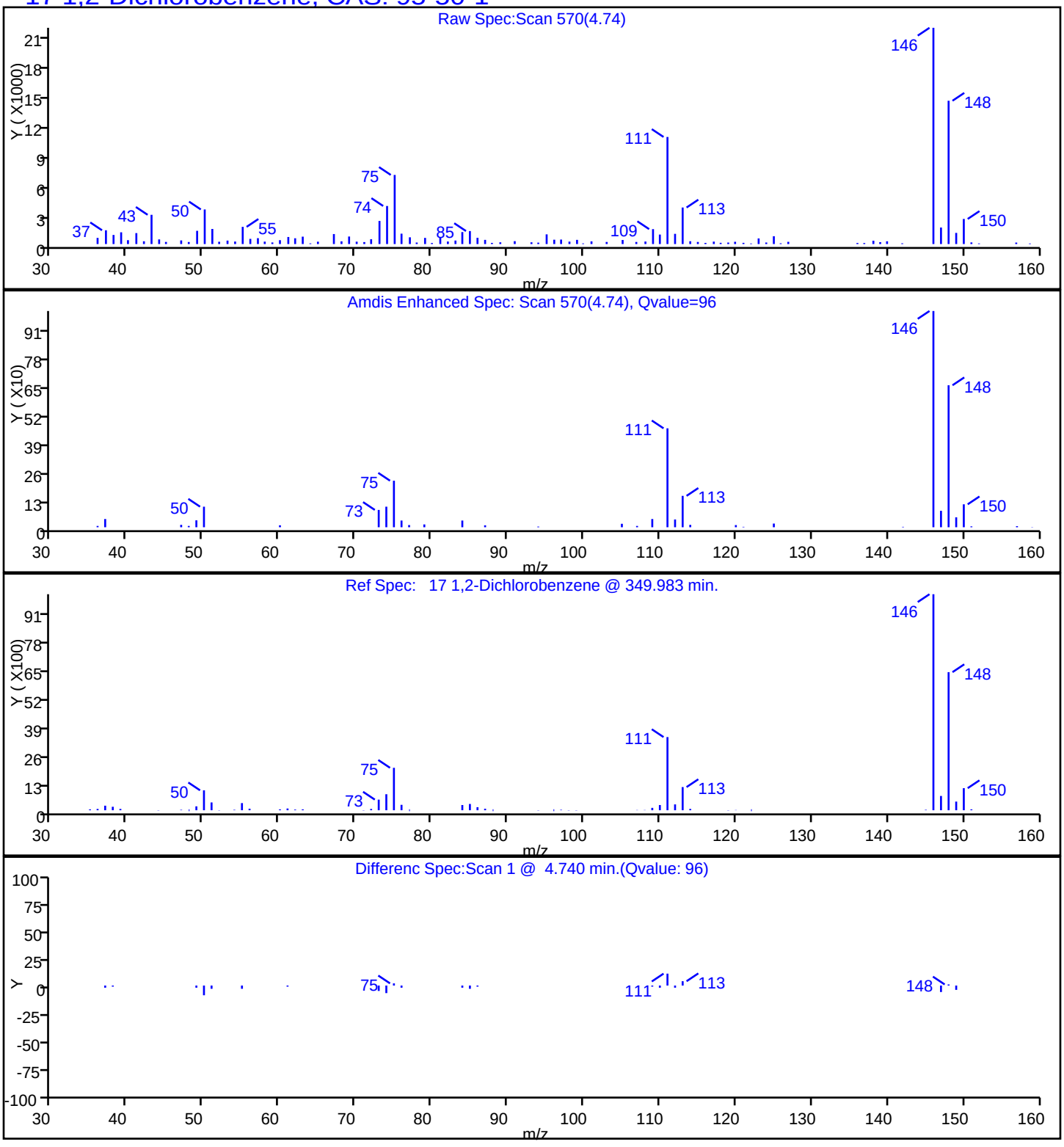


Report Date: 24-Aug-2016 18:35:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D				
Injection Date:	23-Aug-2016 17:18:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-3-B	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 1,2-Dichlorobenzene, CAS: 95-50-1

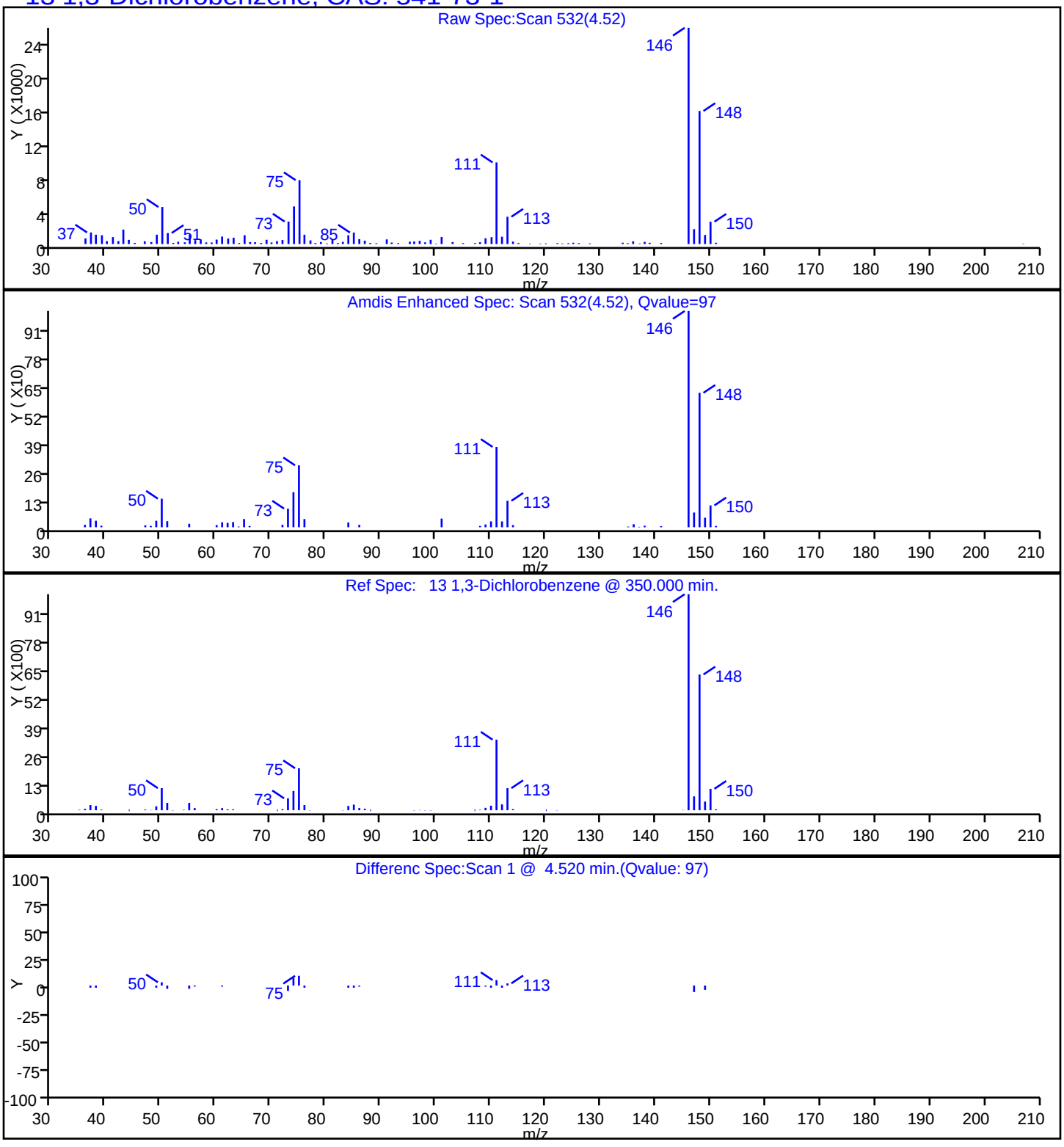


Report Date: 24-Aug-2016 18:35:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D				
Injection Date:	23-Aug-2016 17:18:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-3-B	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

13 1,3-Dichlorobenzene, CAS: 541-73-1



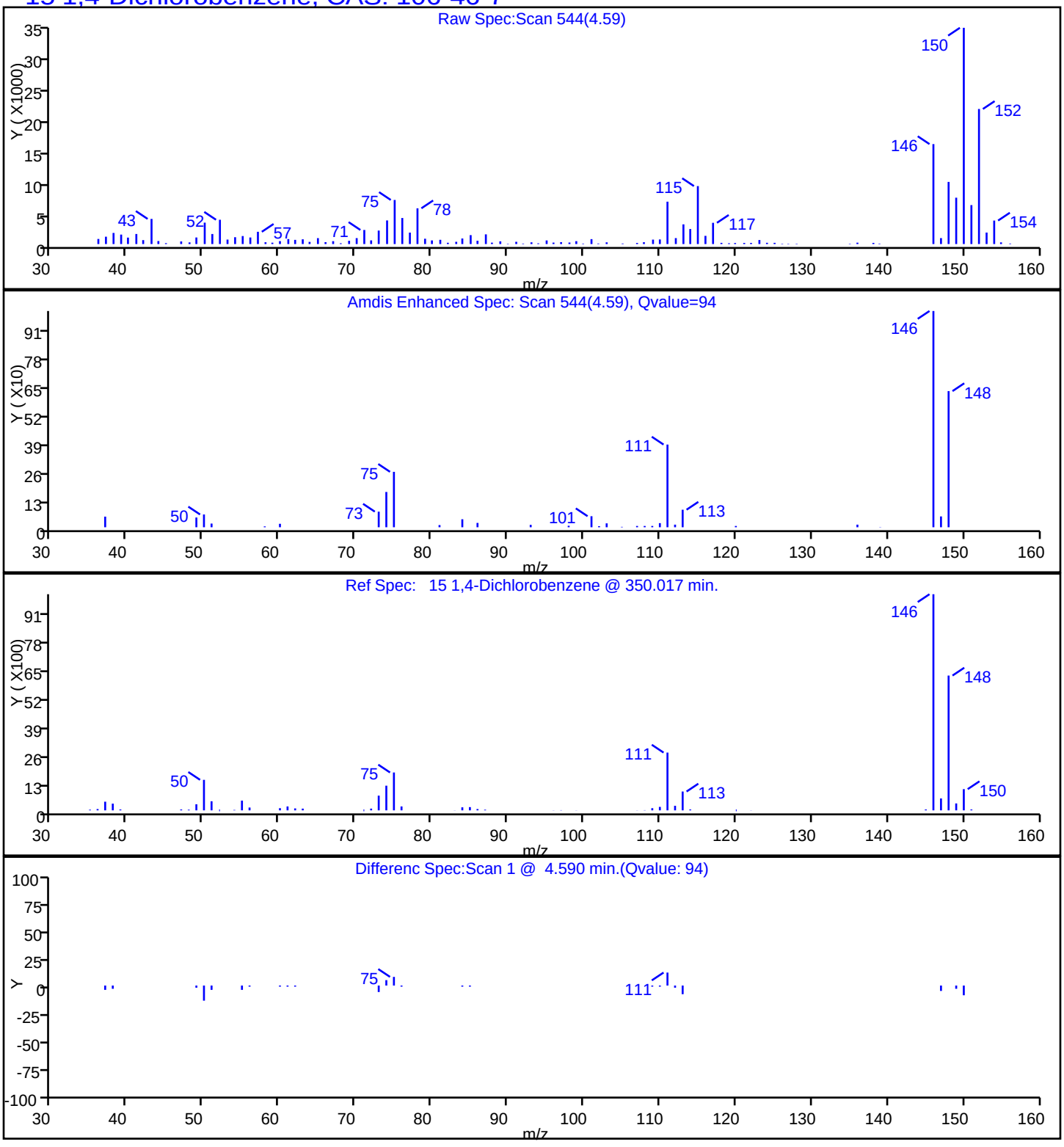
Report Date: 24-Aug-2016 18:35:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D

Injection Date:	23-Aug-2016 17:18:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-3-B	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 1,4-Dichlorobenzene, CAS: 106-46-7

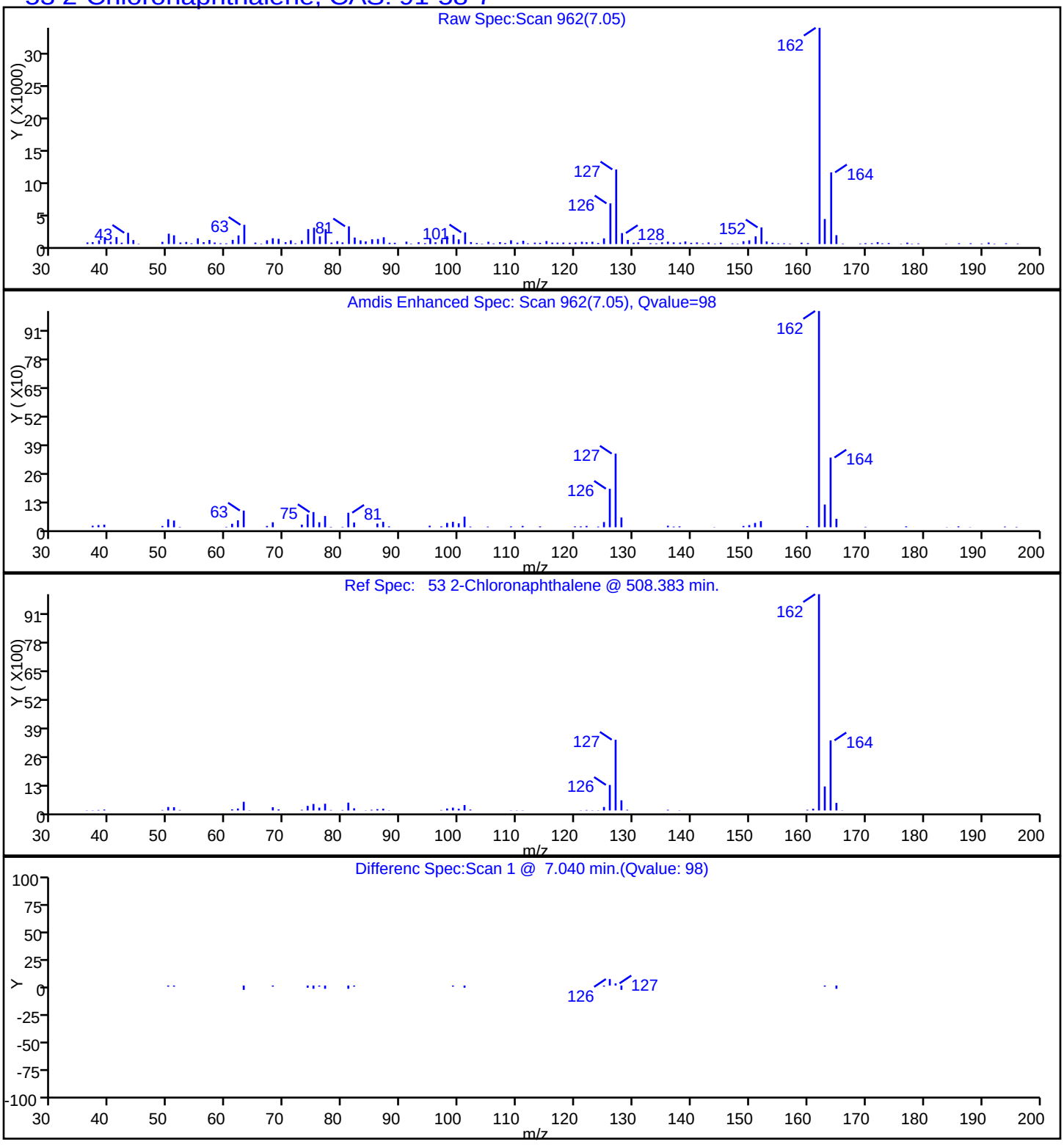


Report Date: 24-Aug-2016 18:35:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D				
Injection Date:	23-Aug-2016 17:18:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-3-B	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

53 2-Chloronaphthalene, CAS: 91-58-7



Report Date: 24-Aug-2016 18:35:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

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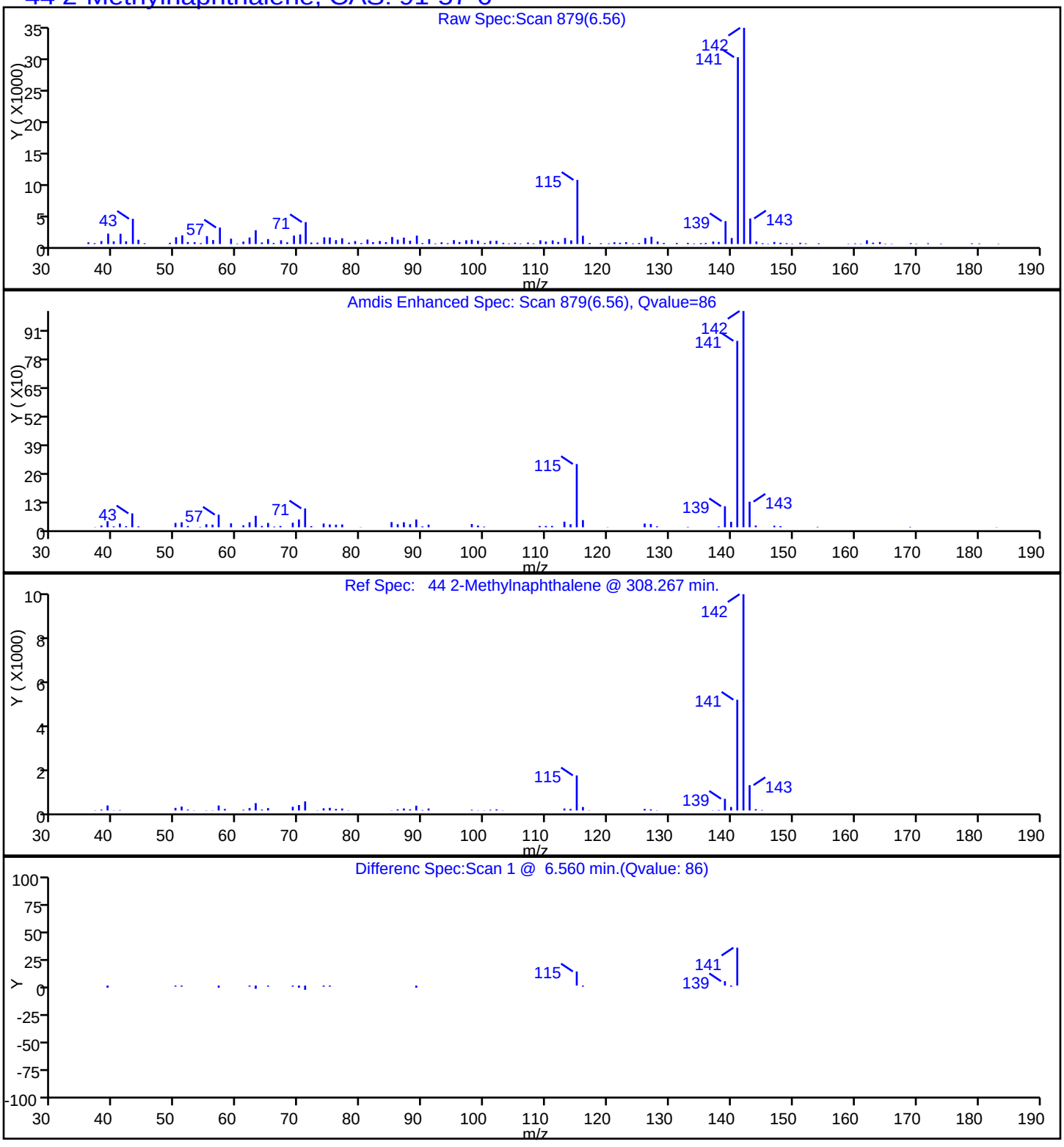
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



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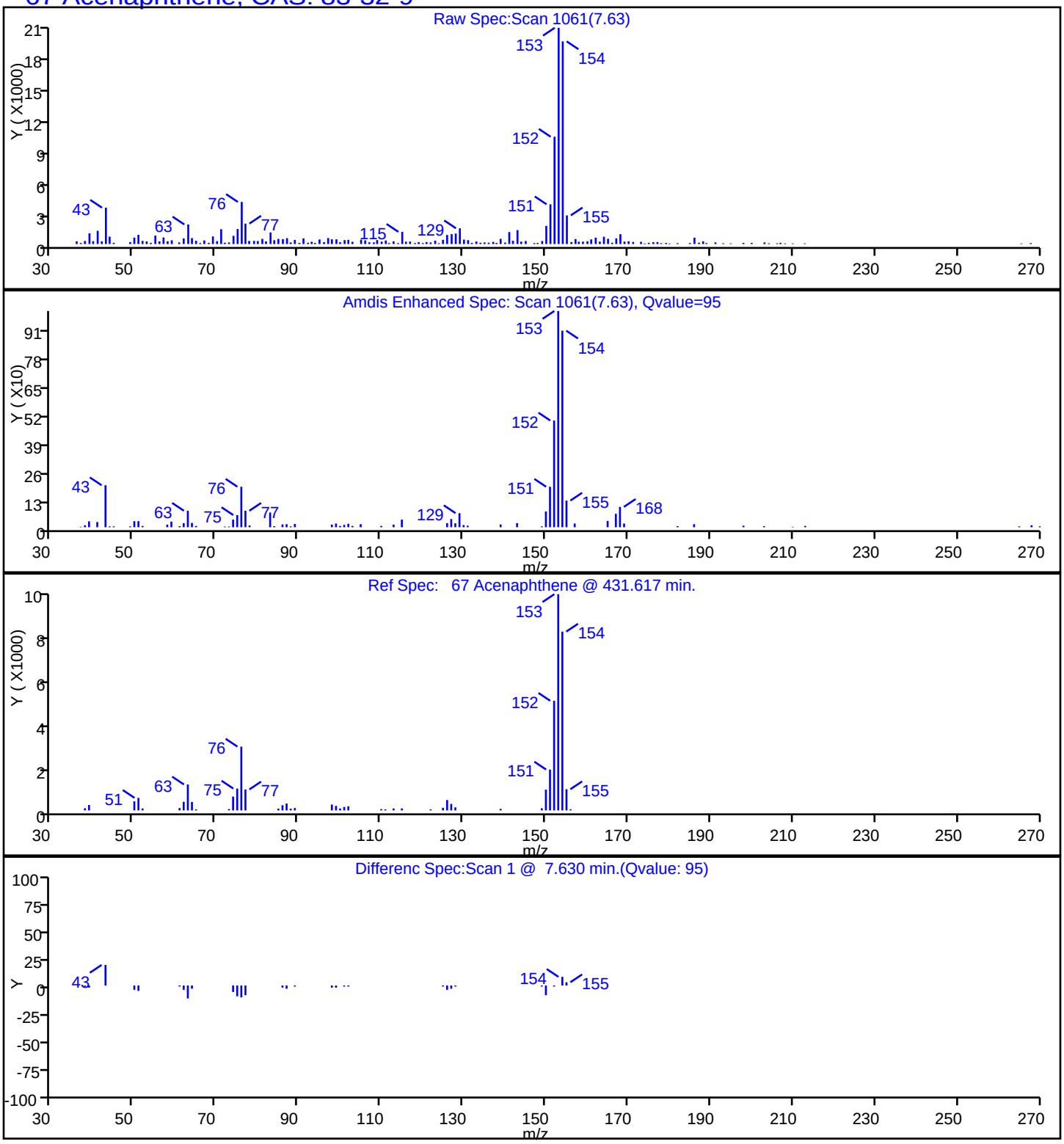
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9



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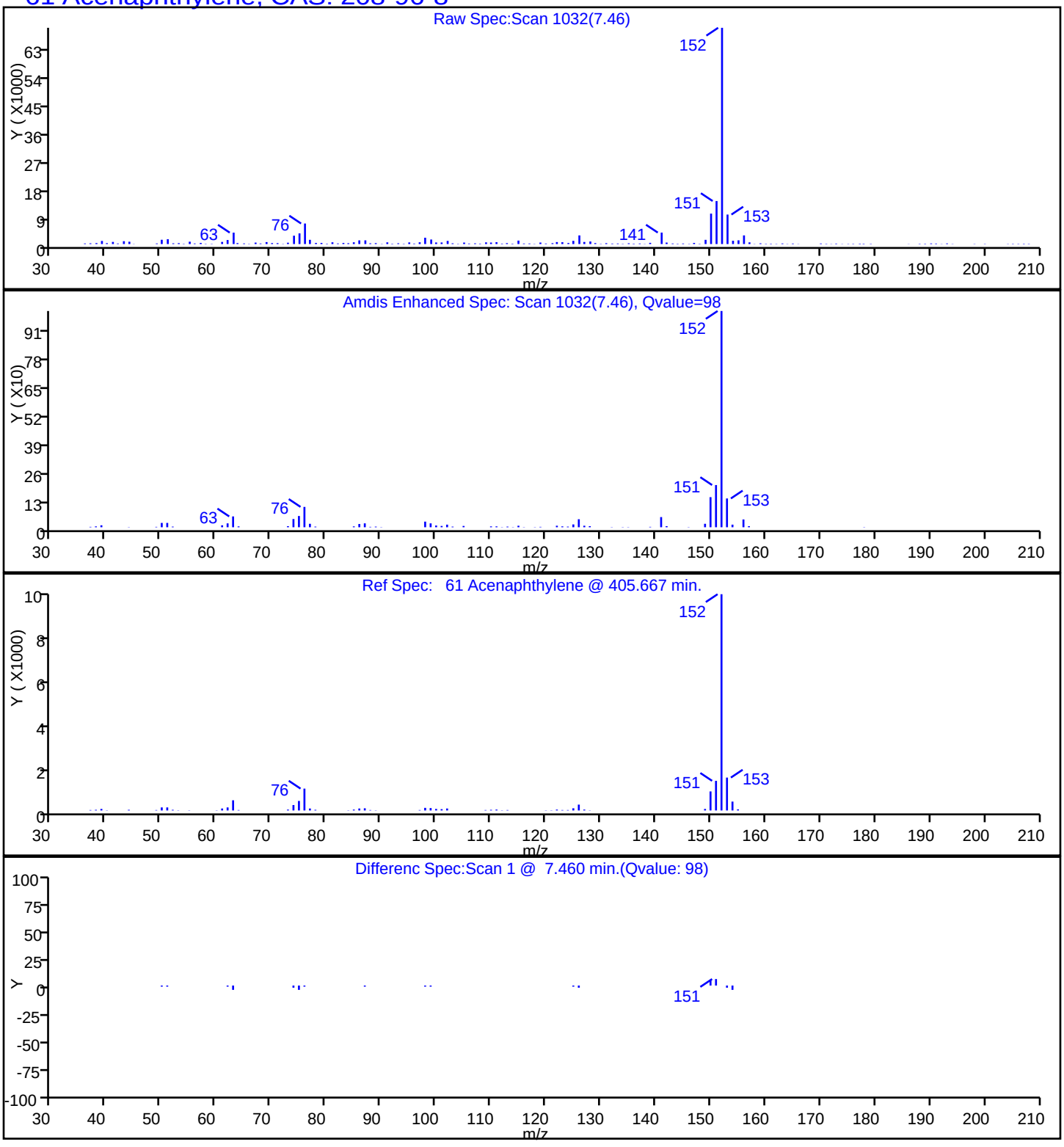
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8



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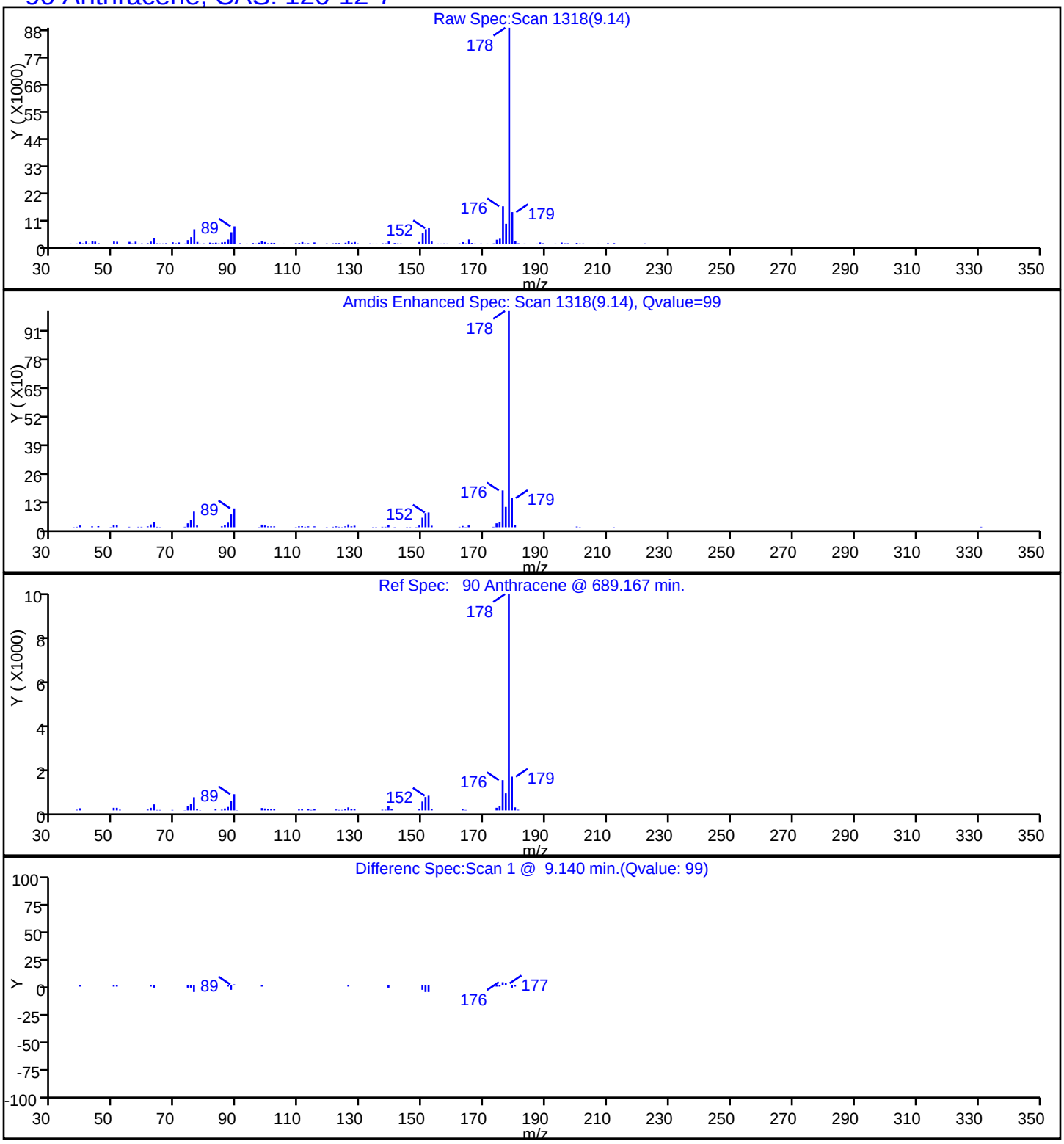
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7



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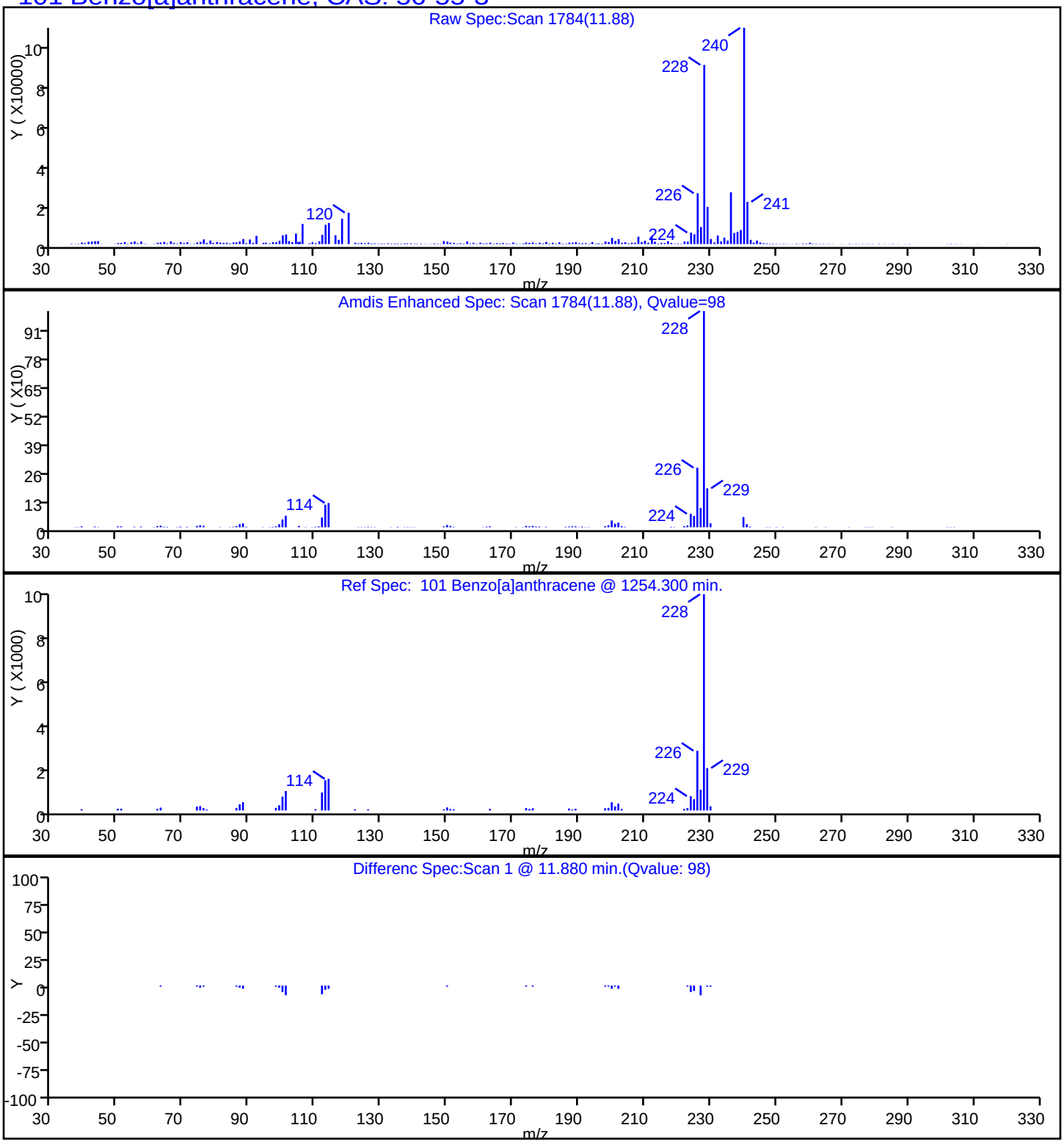
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

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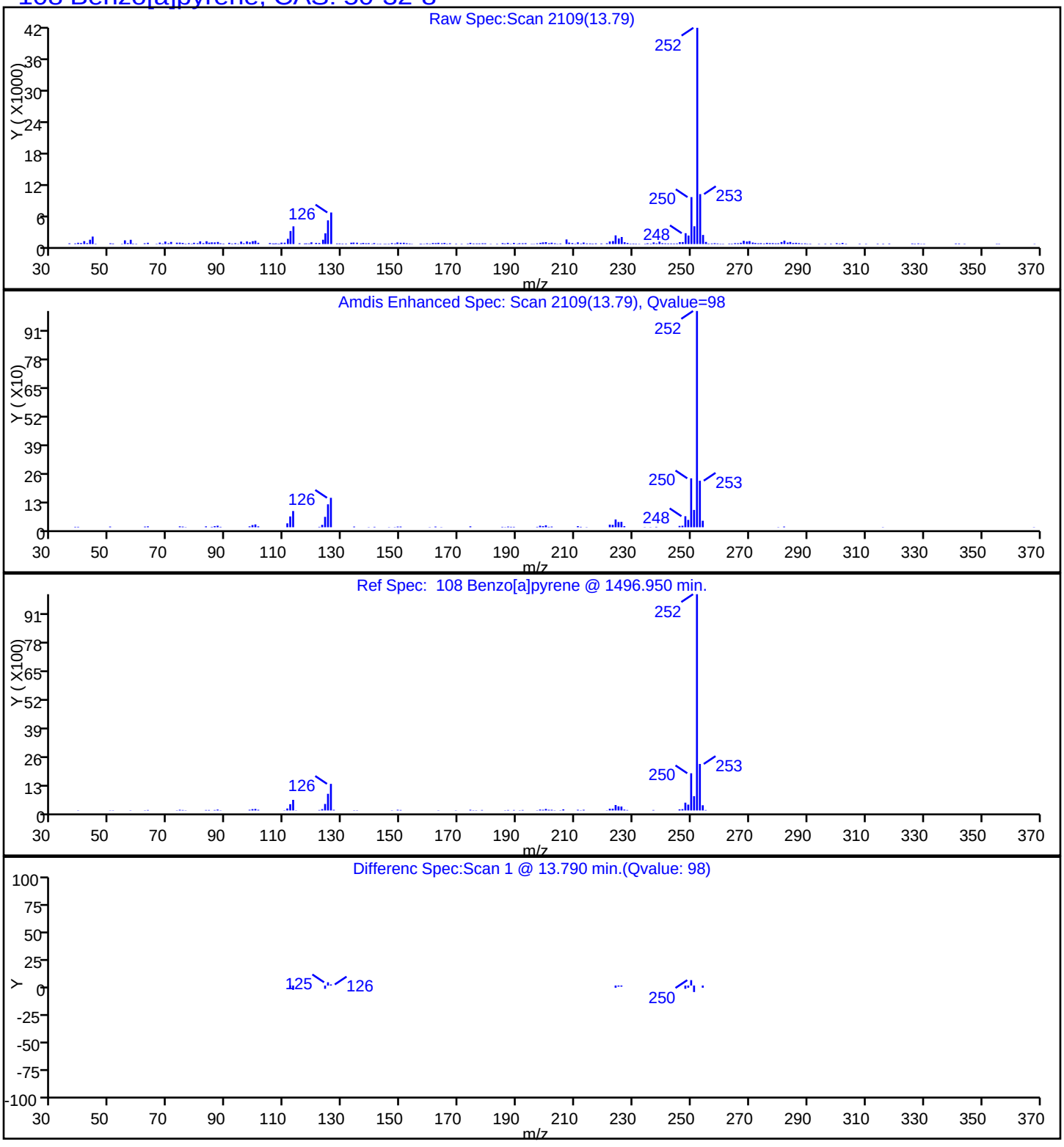
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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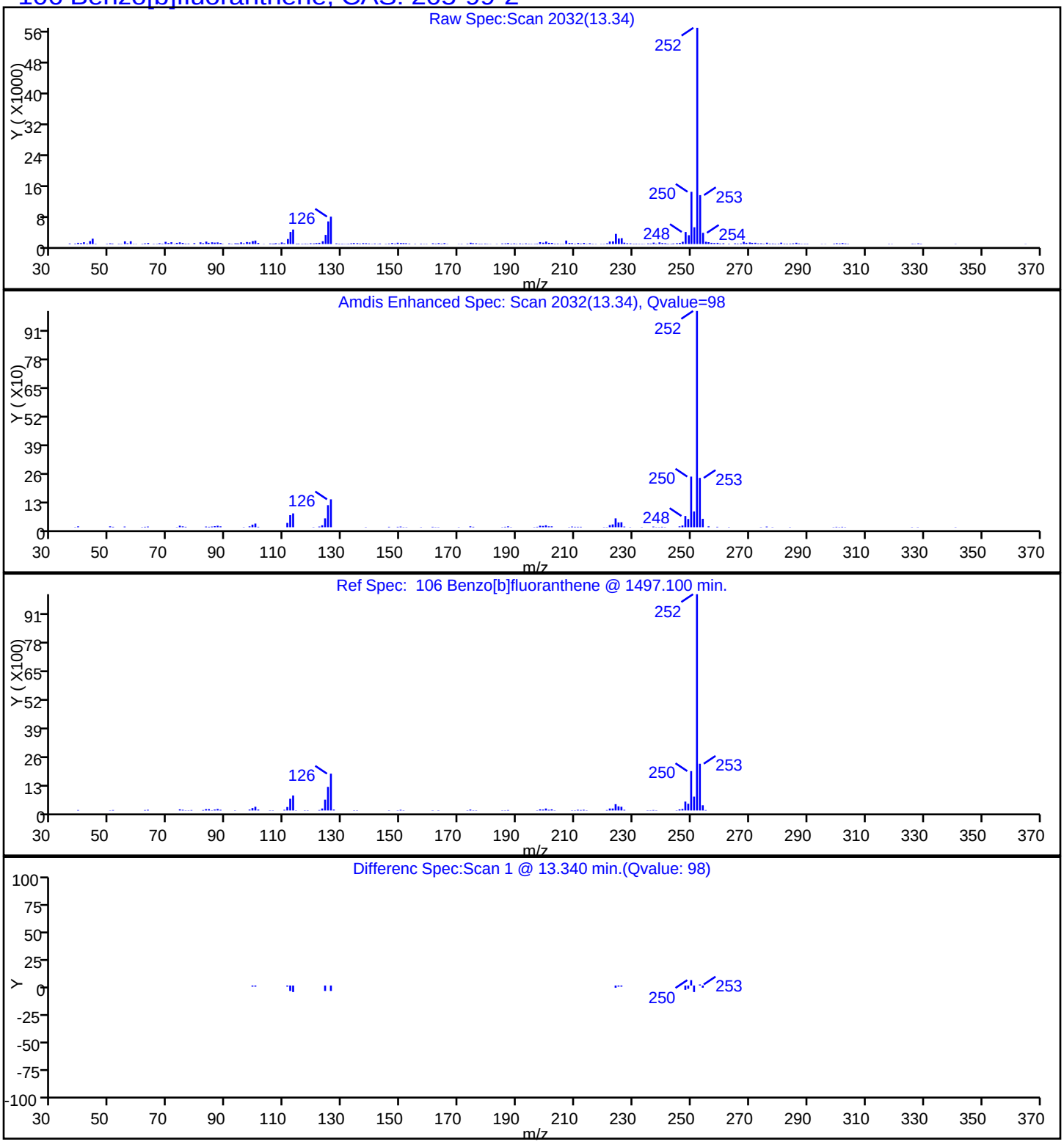
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

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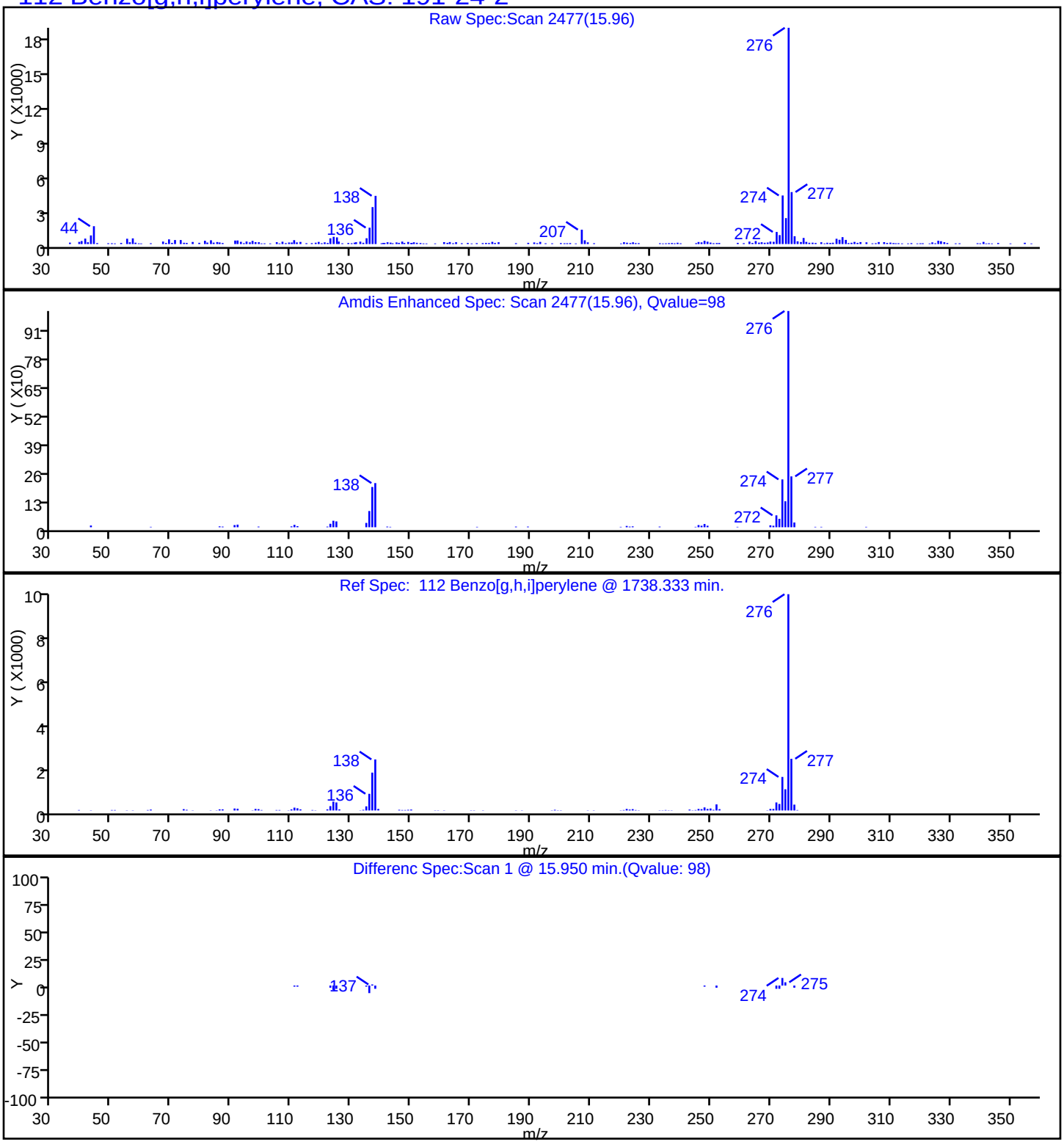
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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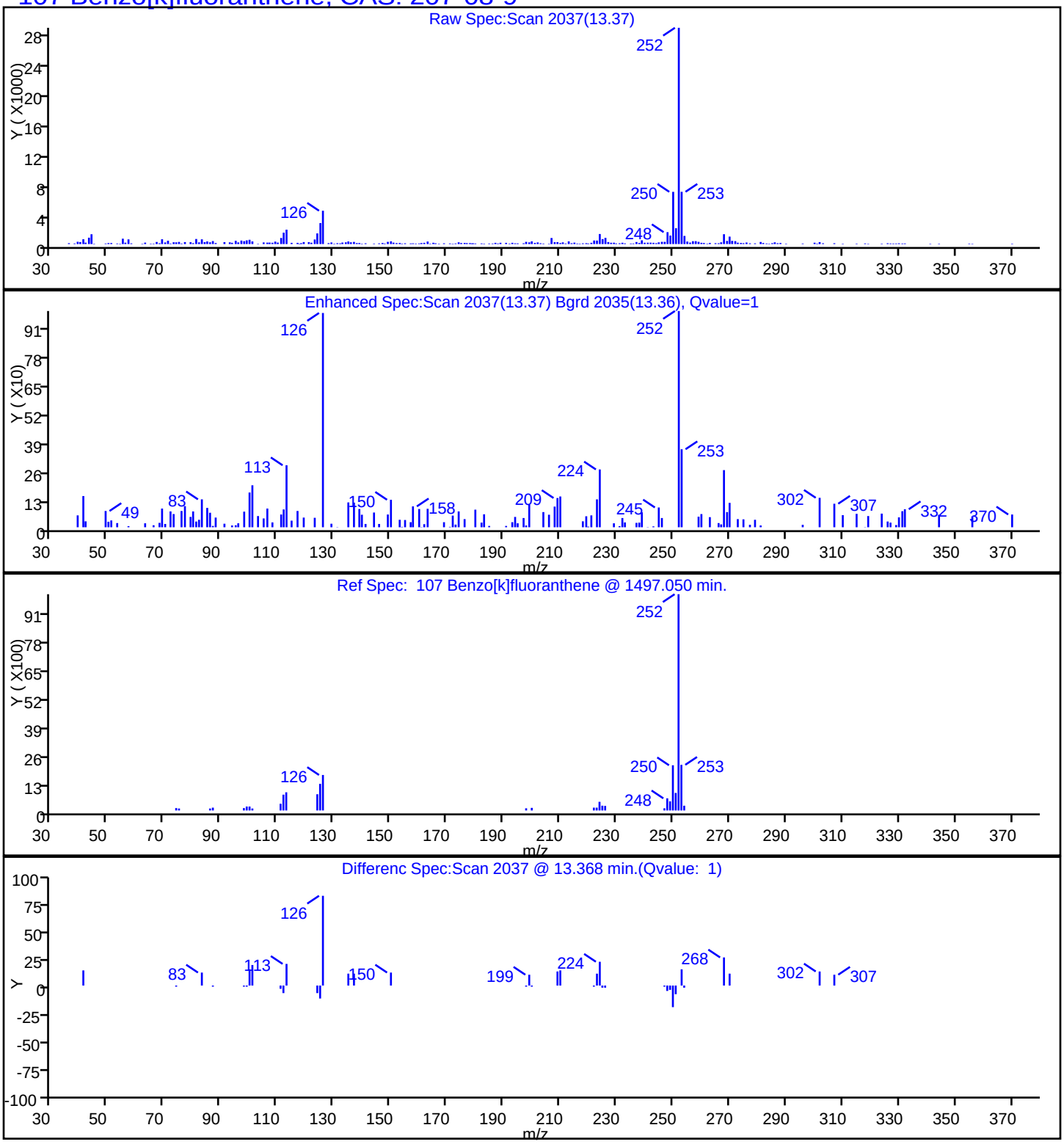
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Edison

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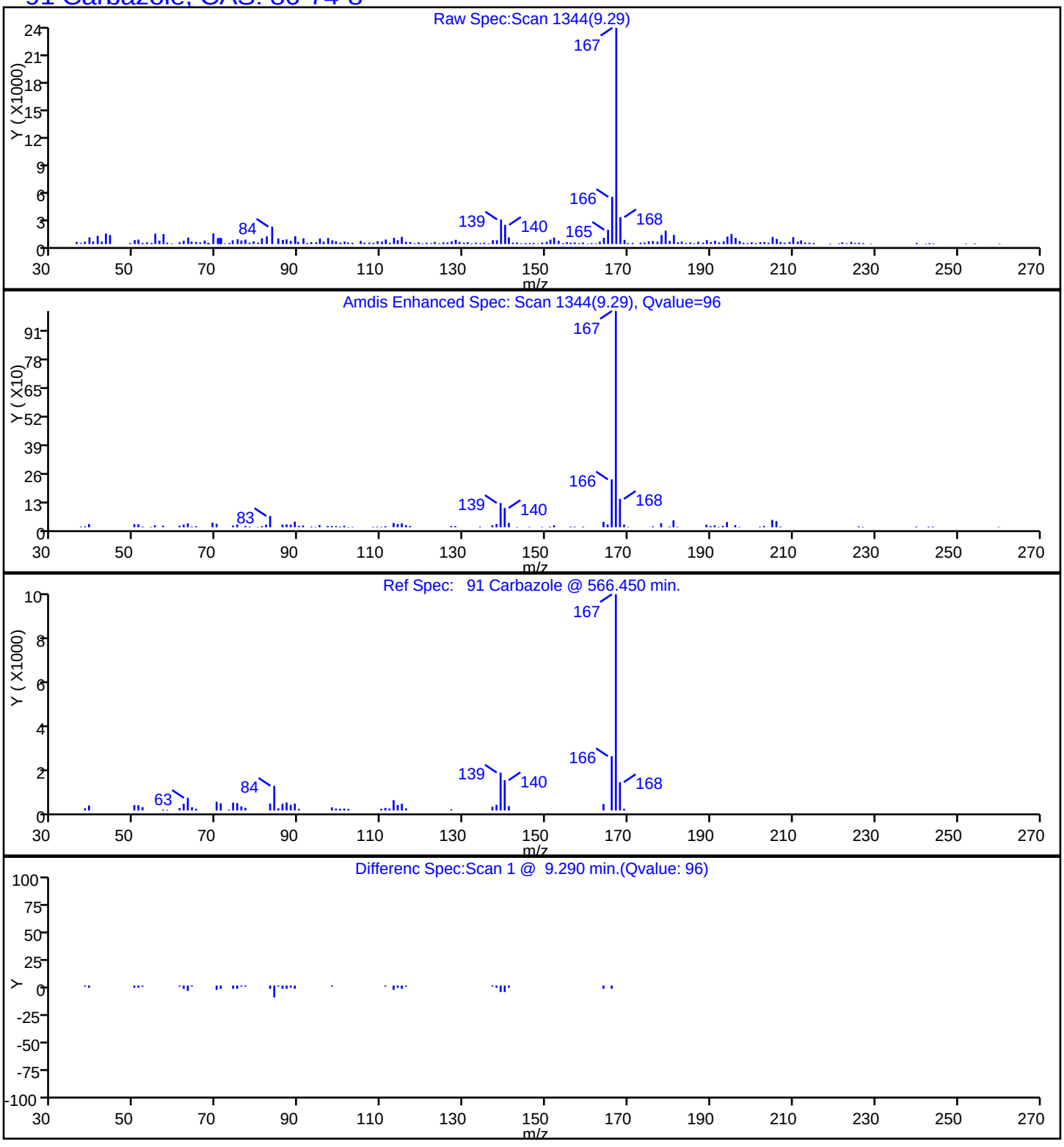
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Carbazole, CAS: 86-74-8



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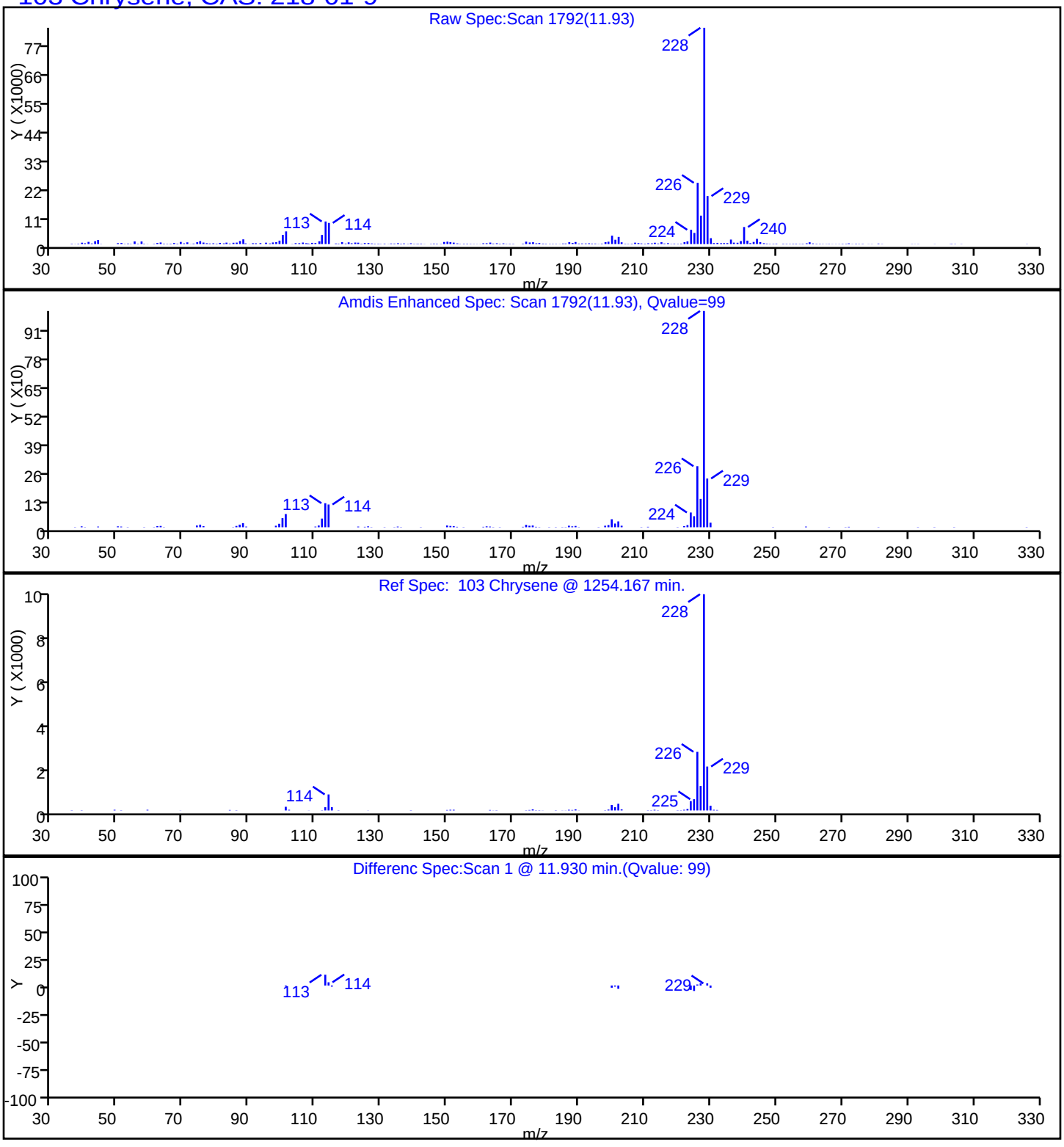
103 Chrysene, CAS: 218-01-9



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TestAmerica Edison

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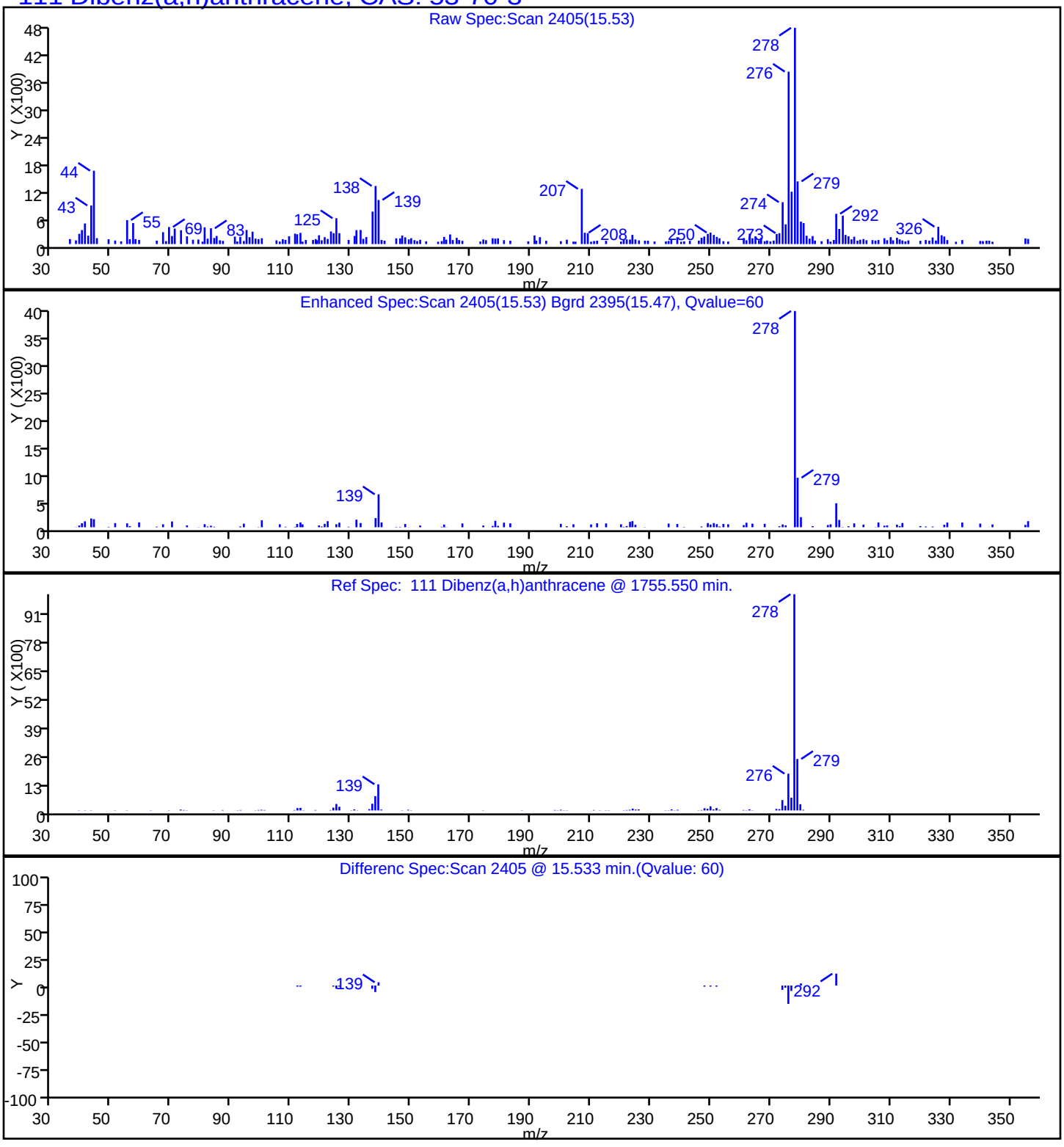
111 Dibenz(a,h)anthracene, CAS: 53-70-3



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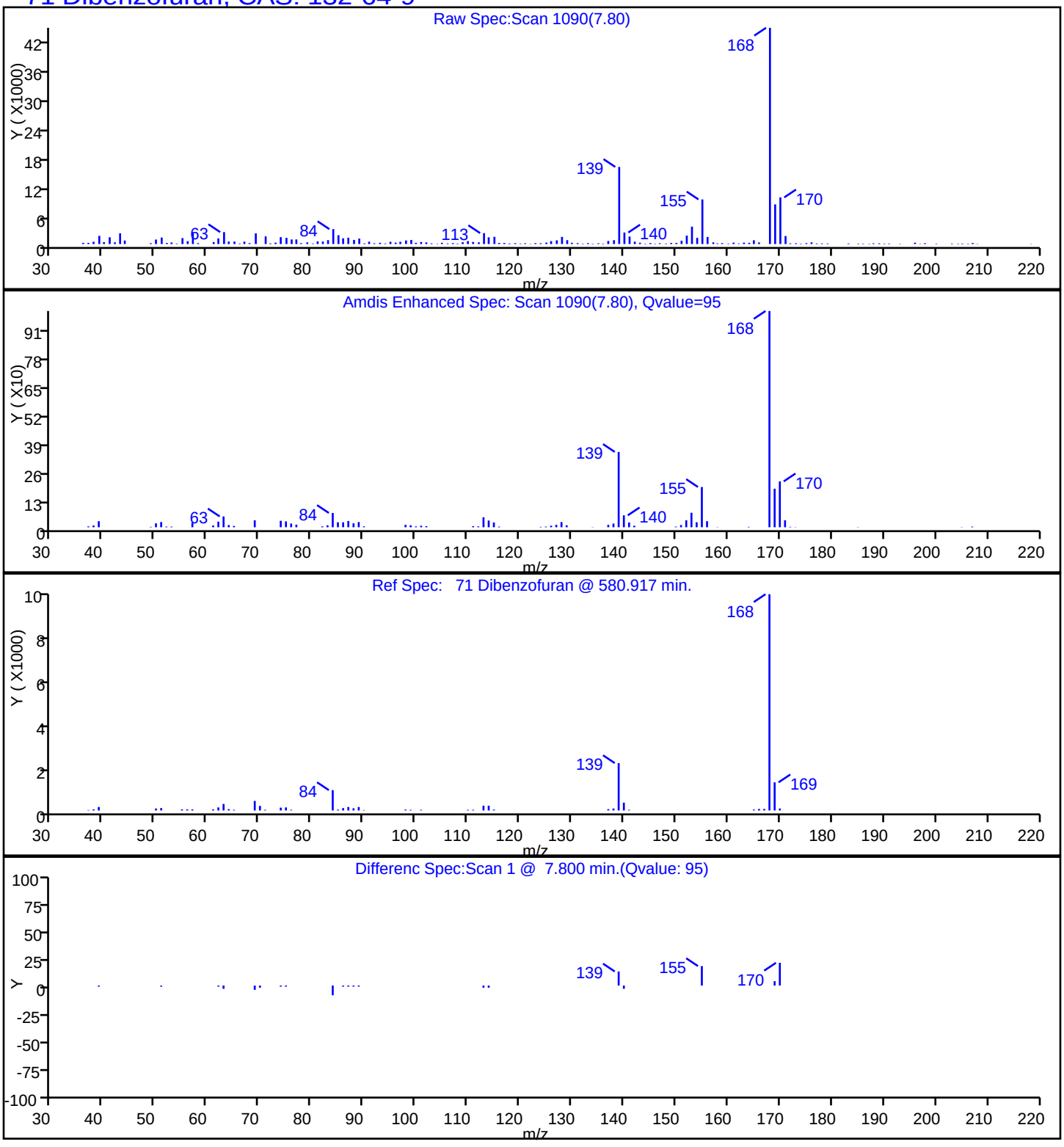
71 Dibenzofuran, CAS: 132-64-9



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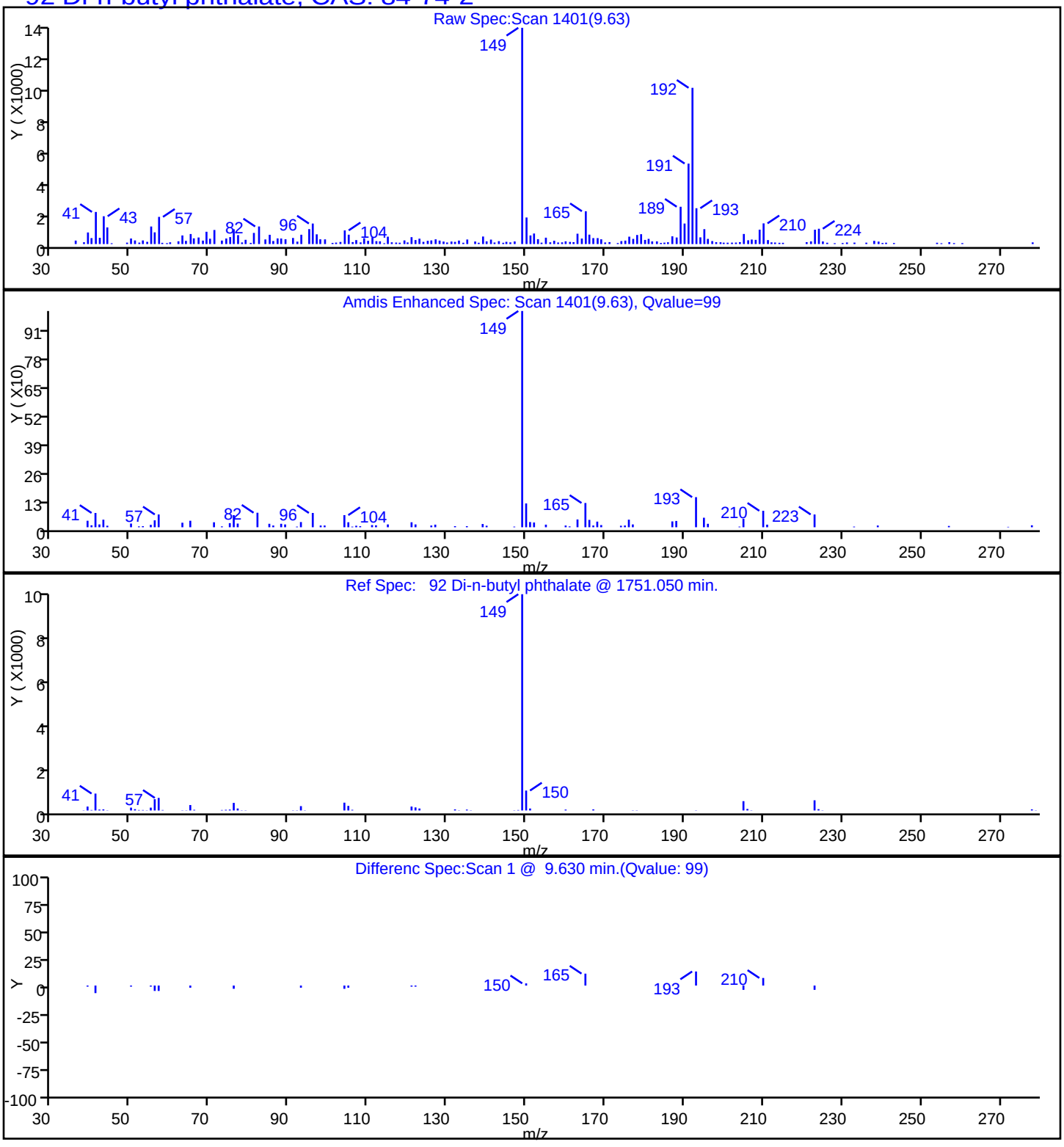
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Di-n-butyl phthalate, CAS: 84-74-2



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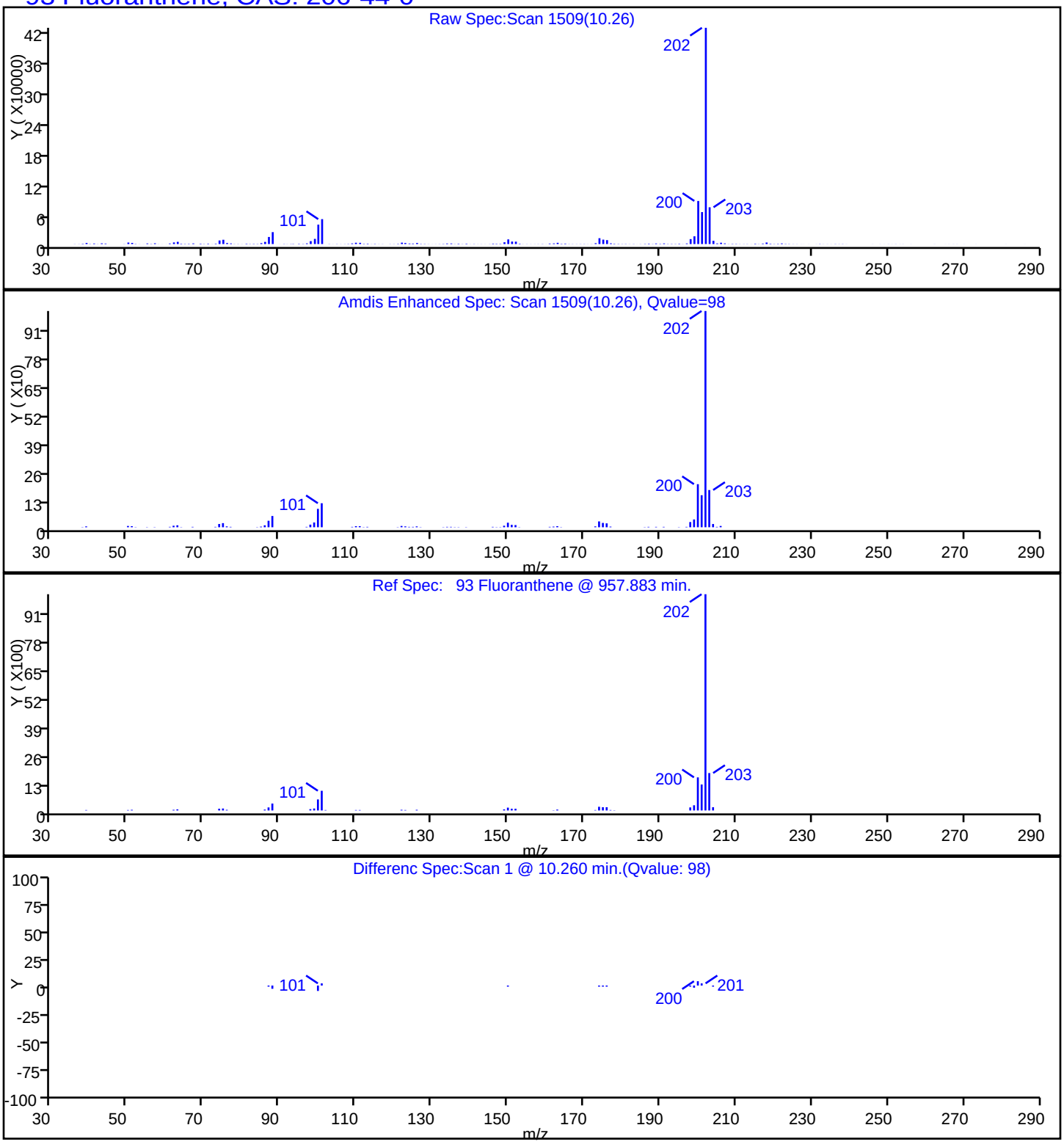
93 Fluoranthene, CAS: 206-44-0



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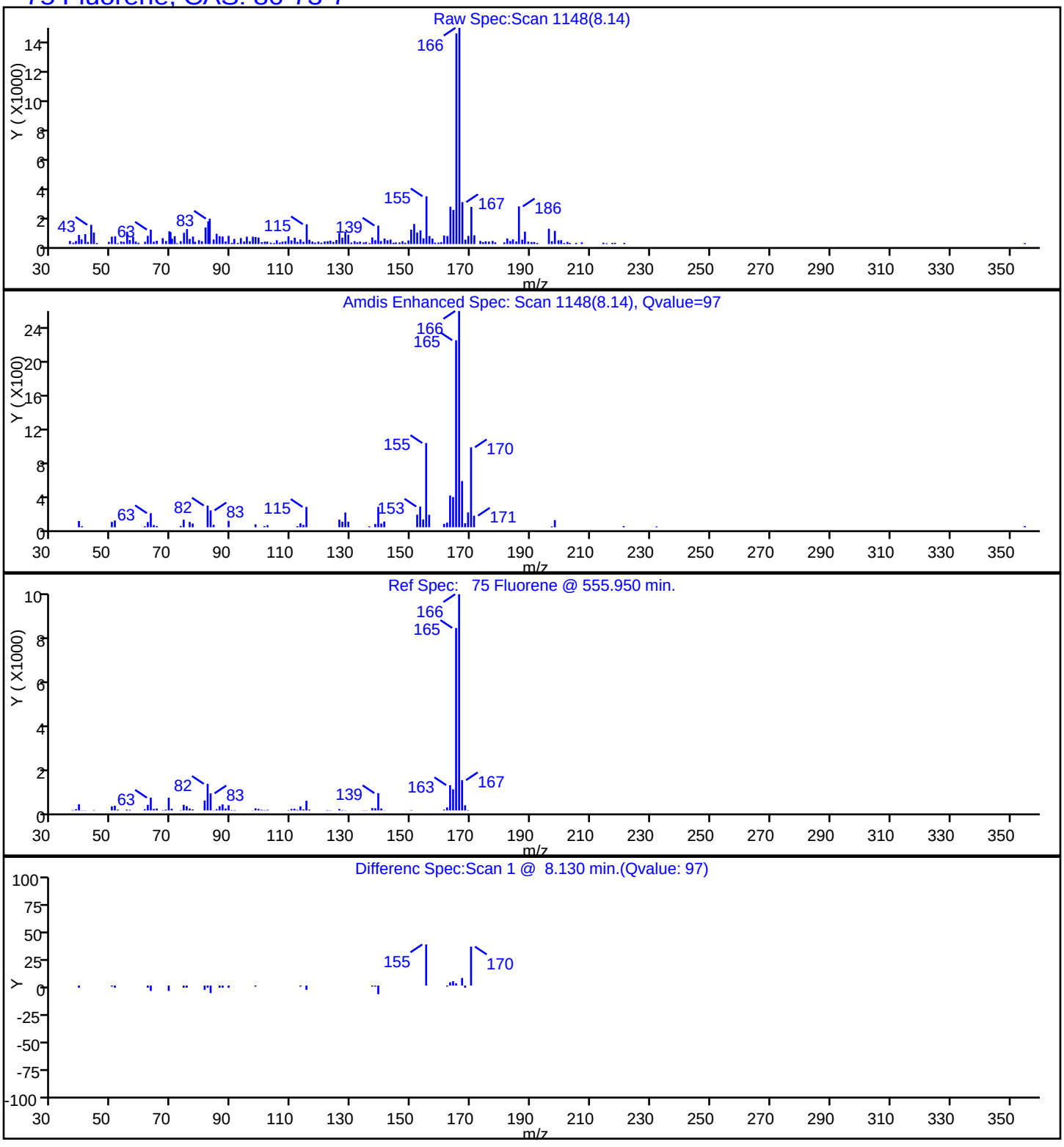
75 Fluorene, CAS: 86-73-7



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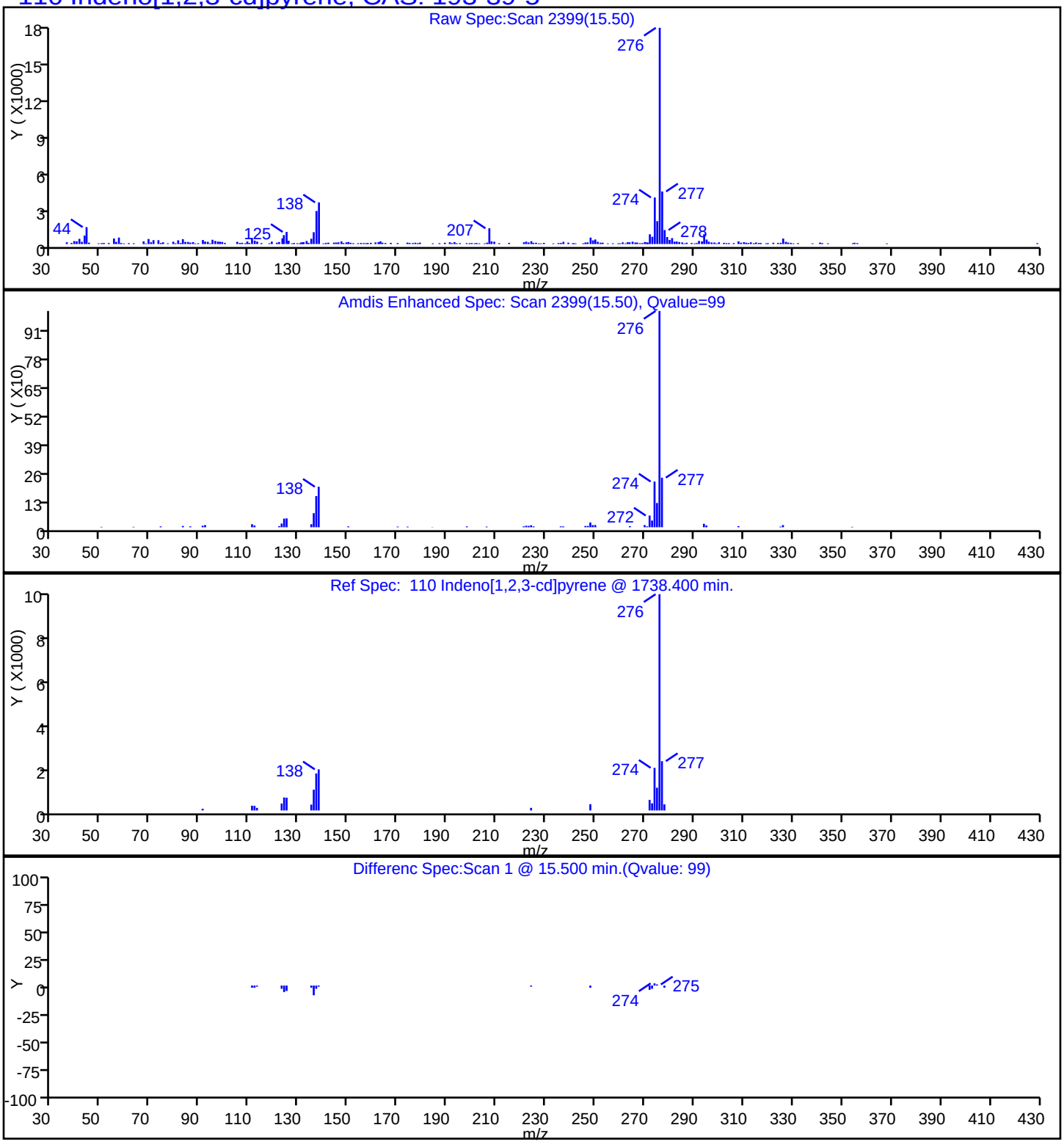
110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



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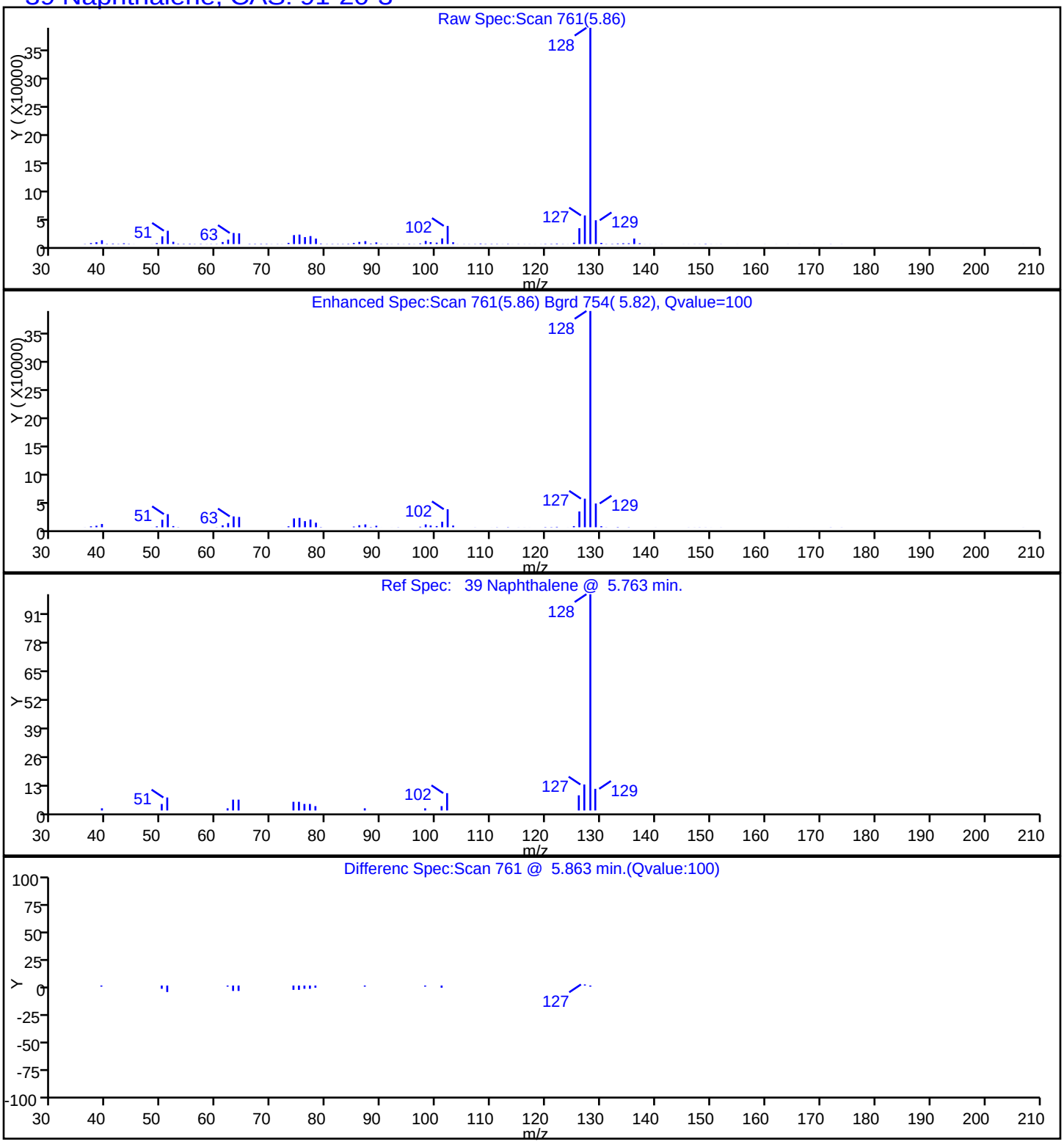
39 Naphthalene, CAS: 91-20-3



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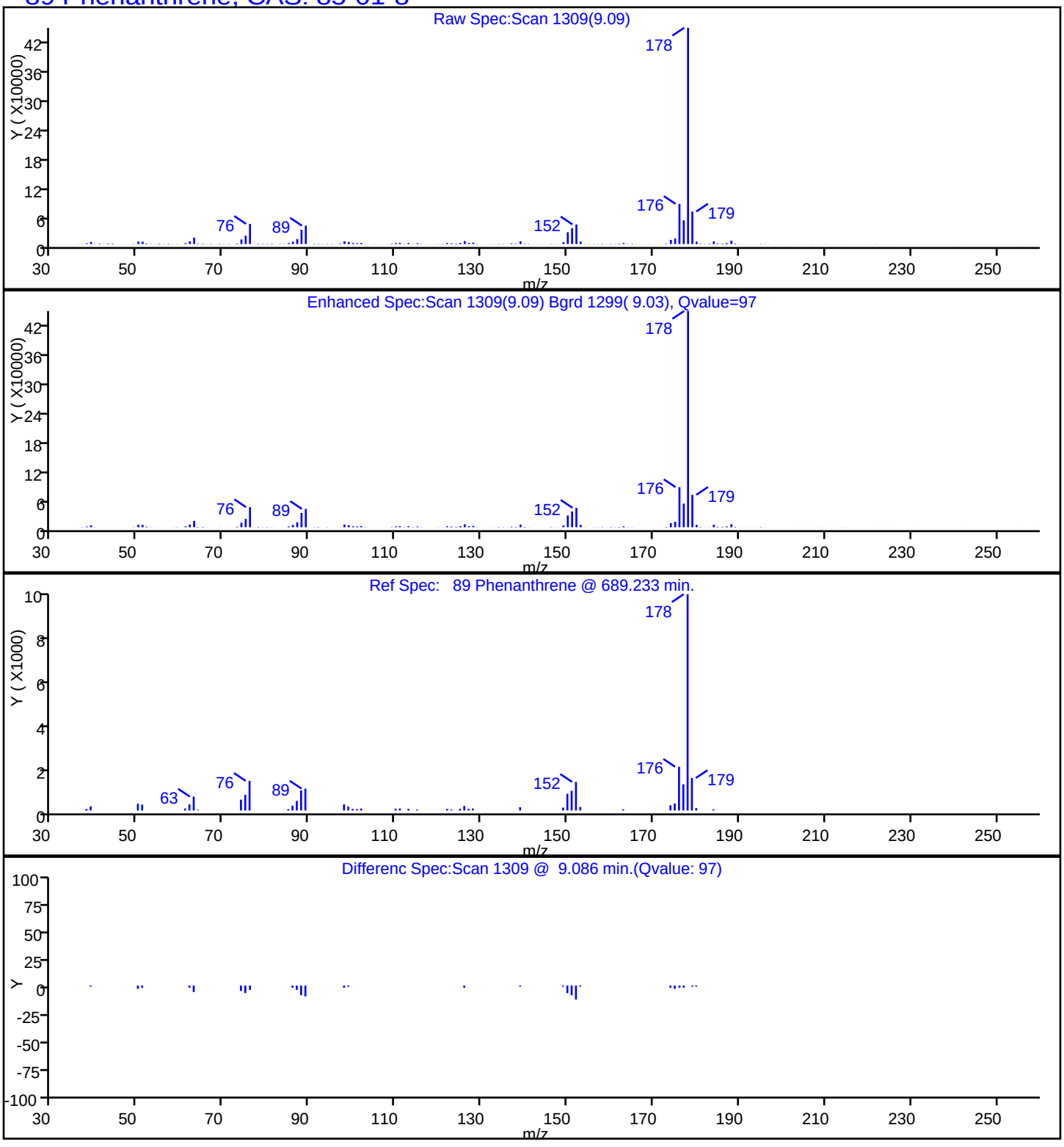
89 Phenanthrene, CAS: 85-01-8



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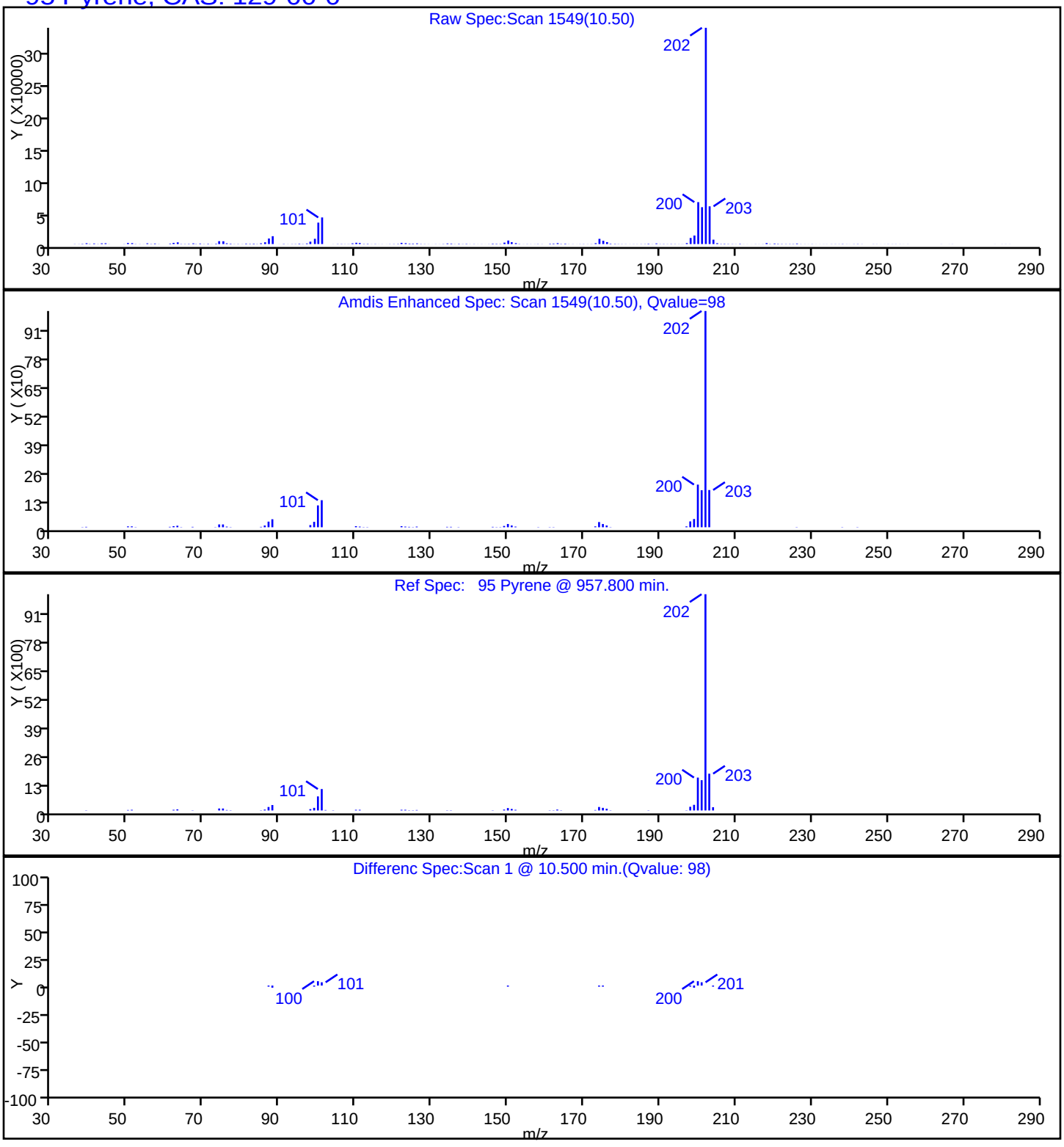
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

TestAmerica Edison

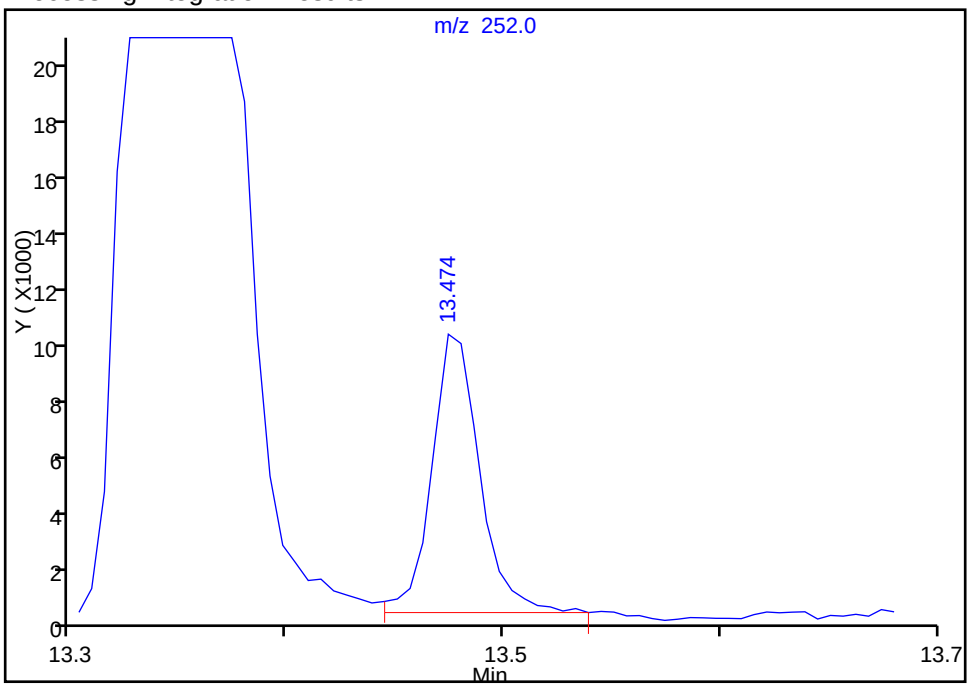
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D				
Injection Date:	23-Aug-2016 17:18:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-3-B	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

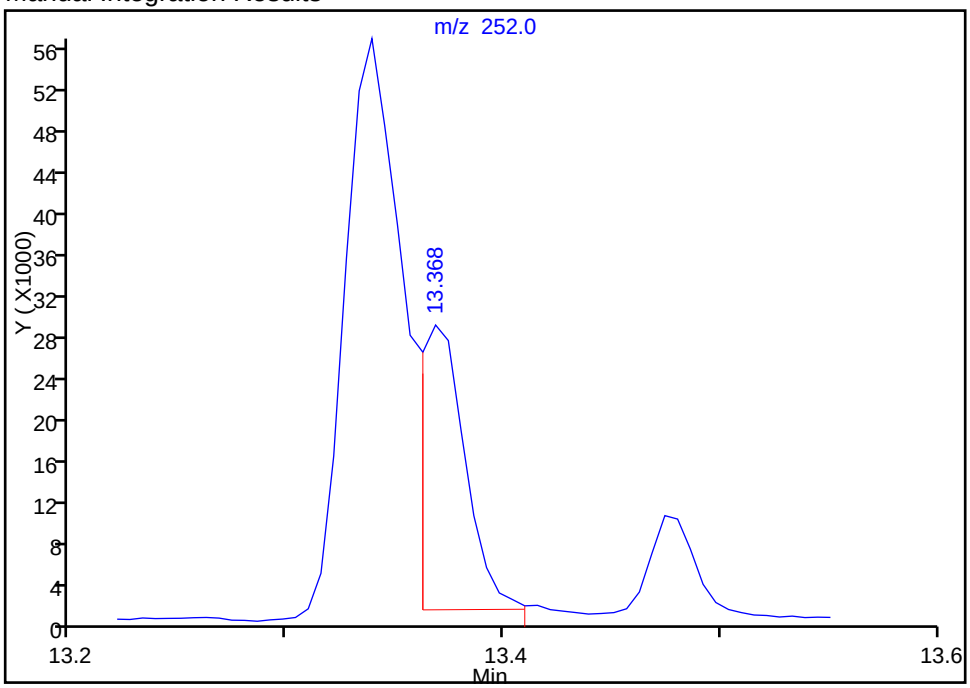
Processing Integration Results

RT: 13.47
Area: 15200
Amount: 1.081022
Amount Units: ug/ml



Manual Integration Results

RT: 13.37
Area: 39472
Amount: 2.807244
Amount Units: ug/ml



Reviewer: boykinc, 23-Aug-2016 18:02:52

Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

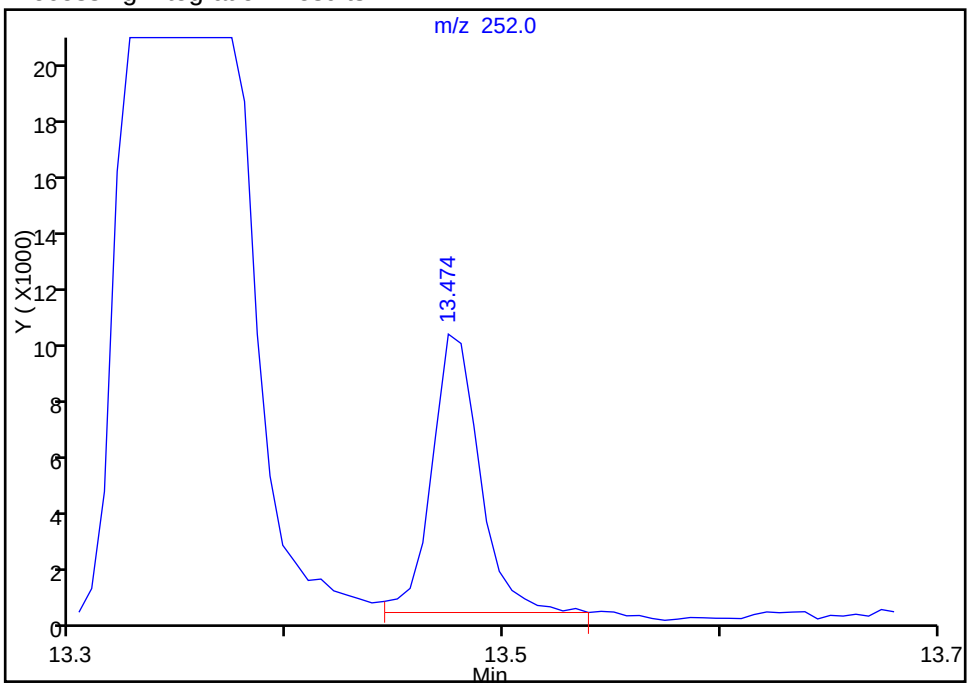
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17372.D				
Injection Date:	23-Aug-2016 17:18:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-3-B	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

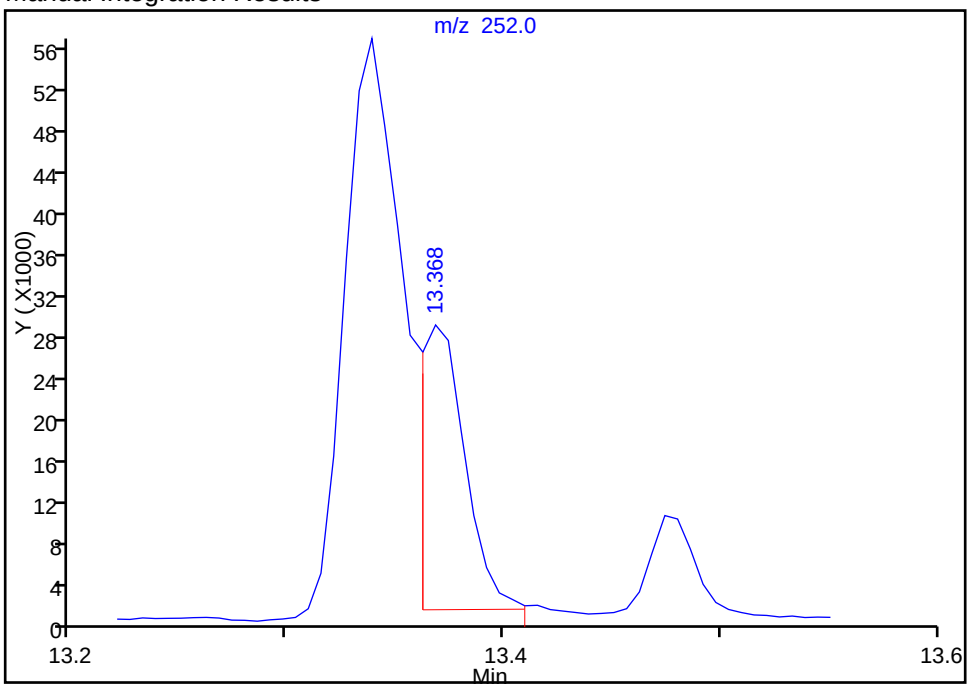
Processing Integration Results

RT: 13.47
Area: 15200
Amount: 1.081022
Amount Units: ug/ml



Manual Integration Results

RT: 13.37
Area: 39472
Amount: 2.807244
Amount Units: ug/ml



Reviewer: boykinc, 23-Aug-2016 18:02:52

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(10-12)08192016 | Lab Sample ID: 460-118926-4

Matrix: Solid | Lab File ID: z41811451.D

Analysis Method: 8270D | Date Collected: 08/19/2016 09:20

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0236(g) | Date Analyzed: 08/24/2016 16:16

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	36	U	36	8.0
95-50-1	1,2-Dichlorobenzene	360	U	360	12
541-73-1	1,3-Dichlorobenzene	360	U	360	28
106-46-7	1,4-Dichlorobenzene	360	U	360	28
108-60-1	2,2'-oxybis[1-chloropropane]	360	U	360	15
121-14-2	2,4-Dinitrotoluene	73	U	73	14
606-20-2	2,6-Dinitrotoluene	73	U	73	19
91-58-7	2-Chloronaphthalene	360	U	360	8.2
91-57-6	2-Methylnaphthalene	100	J	360	8.0
88-74-4	2-Nitroaniline	360	U	360	12
91-94-1	3,3'-Dichlorobenzidine	150	U	150	40
99-09-2	3-Nitroaniline	360	U	360	11
101-55-3	4-Bromophenyl phenyl ether	360	U	360	11
106-47-8	4-Chloroaniline	360	U	360	9.3
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	11
100-01-6	4-Nitroaniline	360	U	360	14
83-32-9	Acenaphthene	130	J	360	8.7
208-96-8	Acenaphthylene	33	J	360	9.3
120-12-7	Anthracene	390		360	34
56-55-3	Benzo[a]anthracene	1400		36	30
50-32-8	Benzo[a]pyrene	1100		36	11
205-99-2	Benzo[b]fluoranthene	1400		36	14
191-24-2	Benzo[g,h,i]perylene	970		360	21
207-08-9	Benzo[k]fluoranthene	550		36	16
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	11
111-44-4	Bis(2-chloroethyl)ether	36	U	36	8.5
117-81-7	Bis(2-ethylhexyl) phthalate	360		360	14
85-68-7	Butyl benzyl phthalate	360	U	360	11
86-74-8	Carbazole	140	J	360	9.0
218-01-9	Chrysene	1400		360	9.8
53-70-3	Dibenz(a,h)anthracene	300		36	19
132-64-9	Dibenzofuran	140	J	360	11
84-66-2	Diethyl phthalate	360	U	360	10
131-11-3	Dimethyl phthalate	360	U	360	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(10-12)08192016 | Lab Sample ID: 460-118926-4

Matrix: Solid | Lab File ID: z41811451.D

Analysis Method: 8270D | Date Collected: 08/19/2016 09:20

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0236(g) | Date Analyzed: 08/24/2016 16:16

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	38	J	360	11
117-84-0	Di-n-octyl phthalate	360	U	360	18
206-44-0	Fluoranthene	2200		360	11
86-73-7	Fluorene	92	J	360	7.9
118-74-1	Hexachlorobenzene	36	U	36	15
87-68-3	Hexachlorobutadiene	73	U	73	10
77-47-4	Hexachlorocyclopentadiene	360	U	360	23
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	1000		36	24
78-59-1	Isophorone	1100		150	7.8
91-20-3	Naphthalene	280	J	360	9.2
98-95-3	Nitrobenzene	36	U	36	11
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	12
86-30-6	N-Nitrosodiphenylamine	360	U	360	33
85-01-8	Phenanthrene	2100		360	9.6
129-00-0	Pyrene	2500		360	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	70		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	68		37-94
1718-51-0	Terphenyl-d14 (Surr)	70		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D
Lims ID: 460-118926-E-4-B
Client ID: SB-2(10-12)08192016
Sample Type: Client
Inject. Date: 24-Aug-2016 16:16:30 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-027
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 25-Aug-2016 08:54:34 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: bayoumiw Date: 25-Aug-2016 08:54:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	3.740	3.716	0.024	95	391283	40.0	
$ 26 Nitrobenzene-d5	82	4.299	4.304	-0.005	90	370526	34.0	
31 Isophorone	82	4.563	4.581	-0.018	98	254911	15.1	
* 38 Naphthalene-d8	136	5.022	5.016	0.006	99	1347930	40.0	
39 Naphthalene	128	5.040	5.046	-0.006	100	129902	3.84	
44 2-Methylnaphthalene	142	5.740	5.745	-0.005	84	30484	1.38	
$ 51 2-Fluorobiphenyl	172	6.122	6.122	0.000	98	887497	35.2	
63 Acenaphthylene	152	6.628	6.634	-0.006	98	13238	0.4464	
* 65 Acenaphthene-d10	164	6.769	6.769	0.000	92	664875	40.0	
67 Acenaphthene	154	6.798	6.804	-0.006	94	32756	1.78	
71 Dibenzofuran	168	6.975	6.981	-0.006	96	51493	1.91	
74 Fluorene	166	7.310	7.316	-0.006	98	27019	1.27	
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	840983	40.0	
88 Phenanthrene	178	8.245	8.245	0.000	97	648686	28.4	
89 Anthracene	178	8.298	8.298	0.000	99	127856	5.36	
90 Carbazole	167	8.469	8.469	0.000	95	35844	1.90	
91 Di-n-butyl phthalate	149	8.845	8.839	0.006	98	11676	0.5163	
92 Fluoranthene	202	9.416	9.410	0.006	99	647144	30.3	
94 Pyrene	202	9.628	9.622	0.006	97	634881	33.8	
$ 96 Terphenyl-d14	244	9.810	9.798	0.012	100	479012	34.9	
101 Benzo[a]anthracene	228	10.839	10.828	0.011	98	264158	18.6	
* 102 Chrysene-d12	240	10.851	10.839	0.012	99	466311	40.0	
103 Chrysene	228	10.875	10.869	0.006	99	247548	19.1	
104 Bis(2-ethylhexyl) phthalat	149	10.916	10.916	0.000	70	45125	5.00	
106 Benzo[b]fluoranthene	252	12.086	12.074	0.012	98	238201	19.5	
107 Benzo[k]fluoranthene	252	12.116	12.104	0.012	98	101706	7.49	
108 Benzo[a]pyrene	252	12.480	12.469	0.011	97	172640	15.0	
* 109 Perylene-d12	264	12.557	12.545	0.012	99	416128	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.904	13.892	0.012	99	132936	13.8	
111 Dibenz(a,h)anthracene	278	13.933	13.921	0.012	95	39500	4.12	
112 Benzo[g,h,i]perylene	276	14.233	14.216	0.017	98	131914	13.3	

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

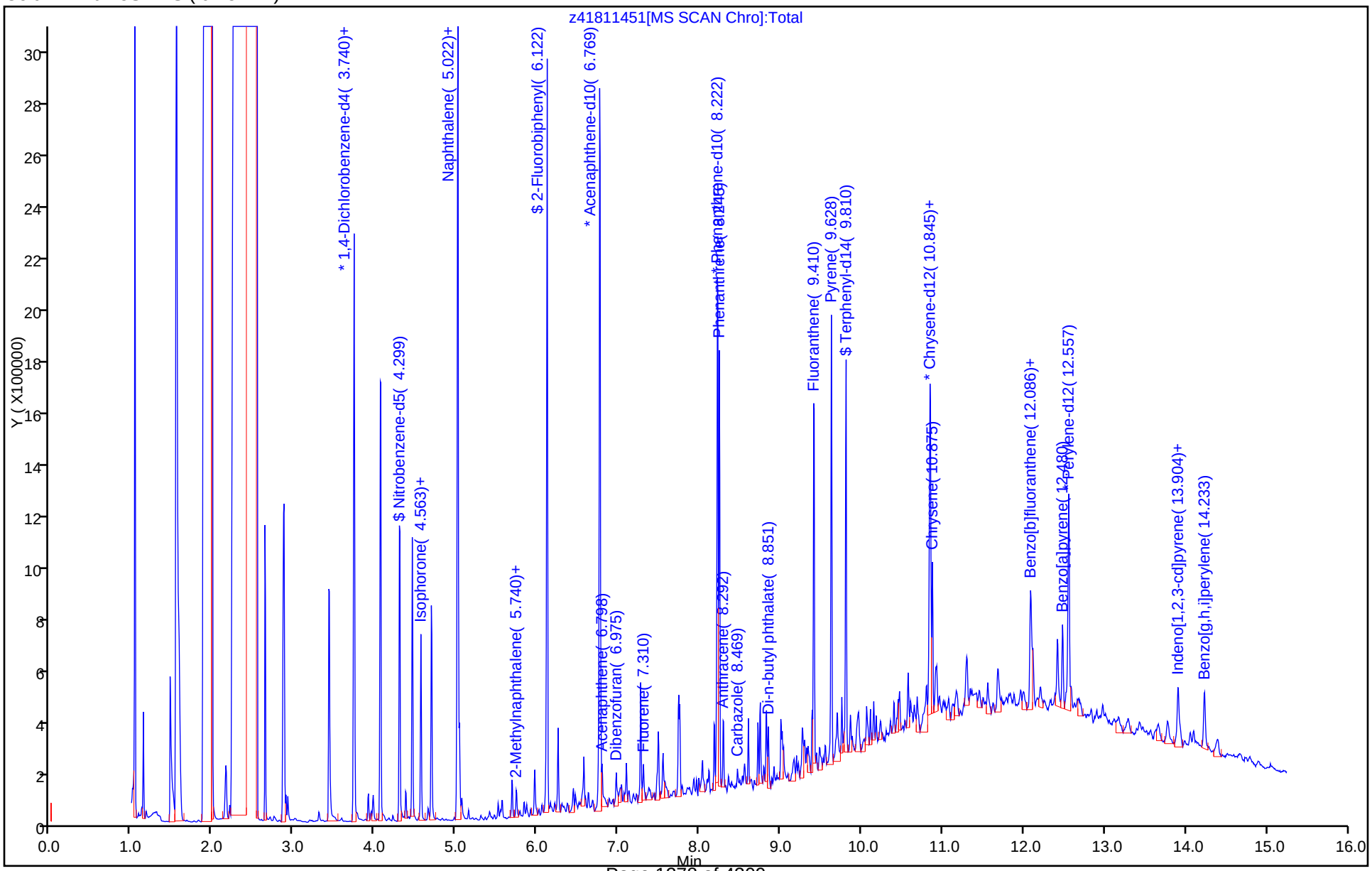
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4	Worklist Smp#:	27
Client ID:	SB-2(10-12)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

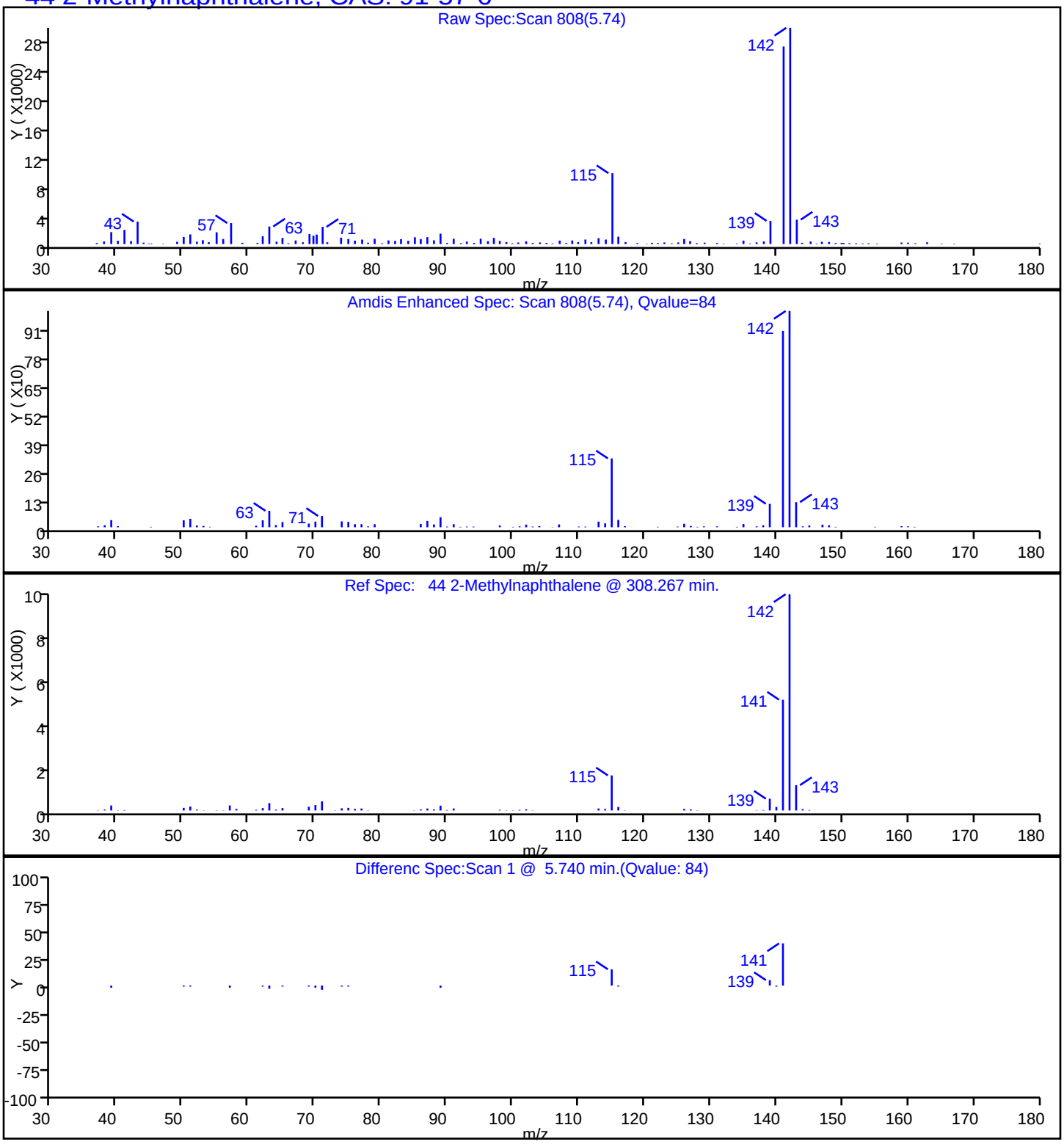


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



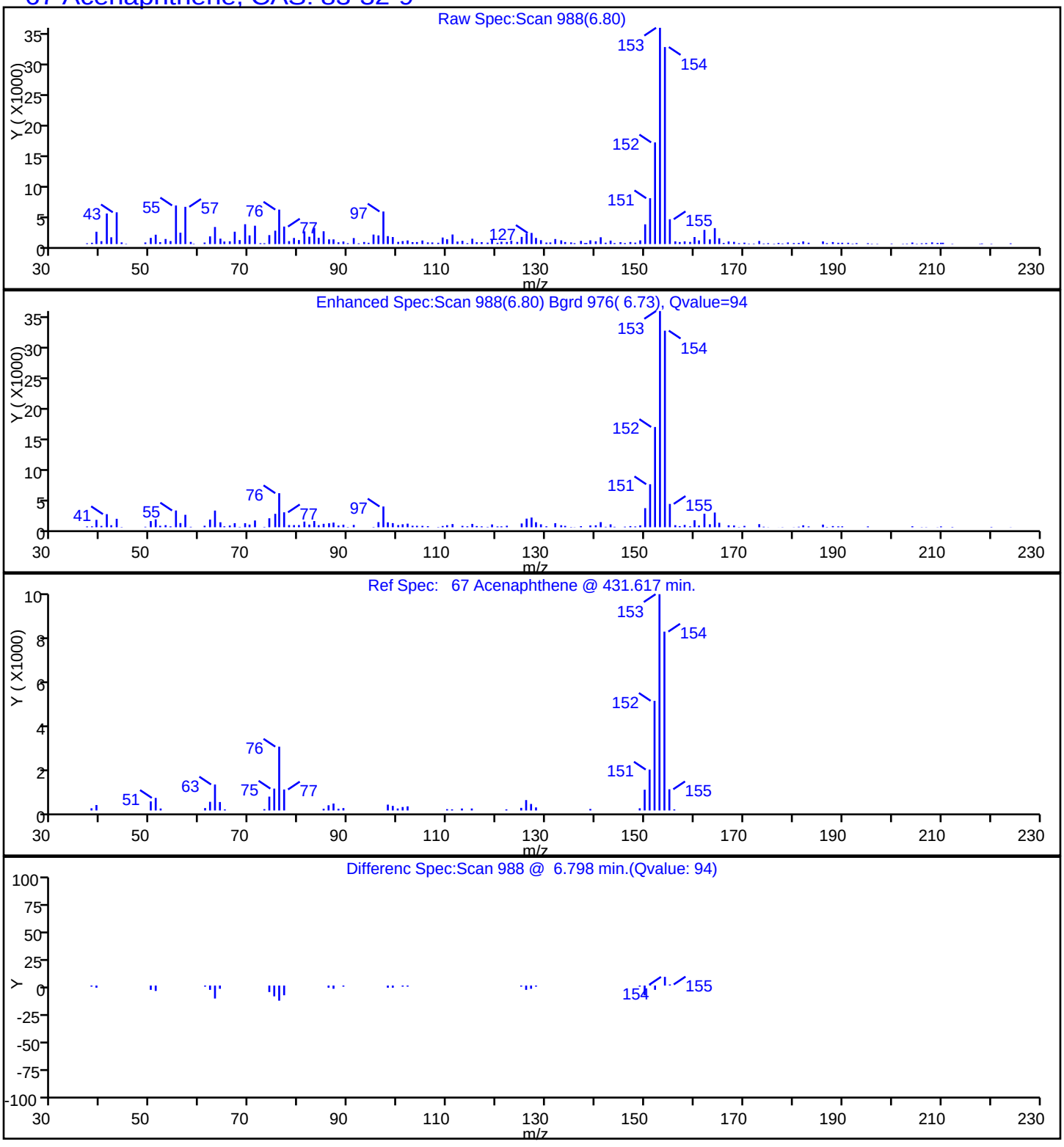
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9

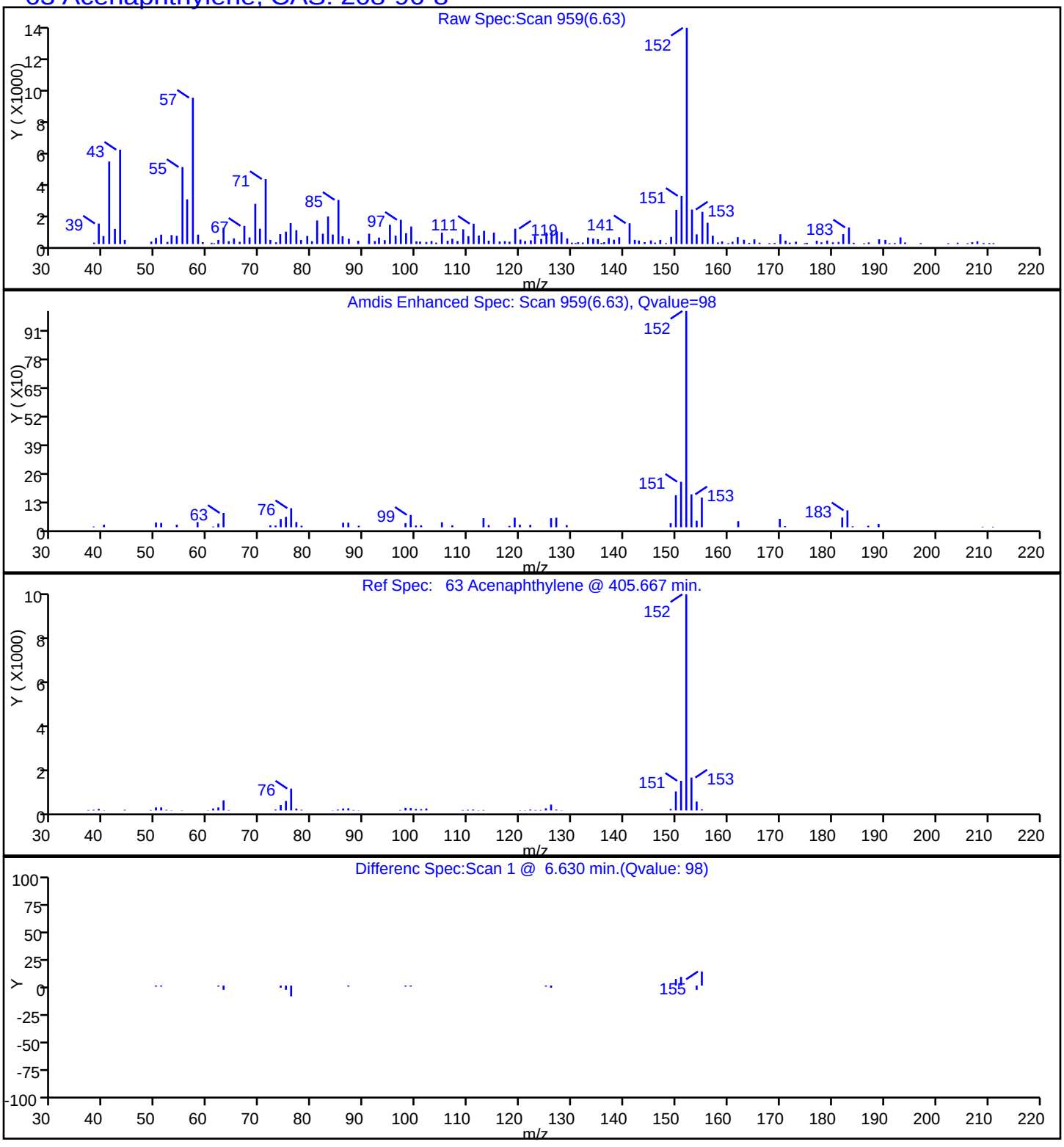


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 Acenaphthylene, CAS: 208-96-8



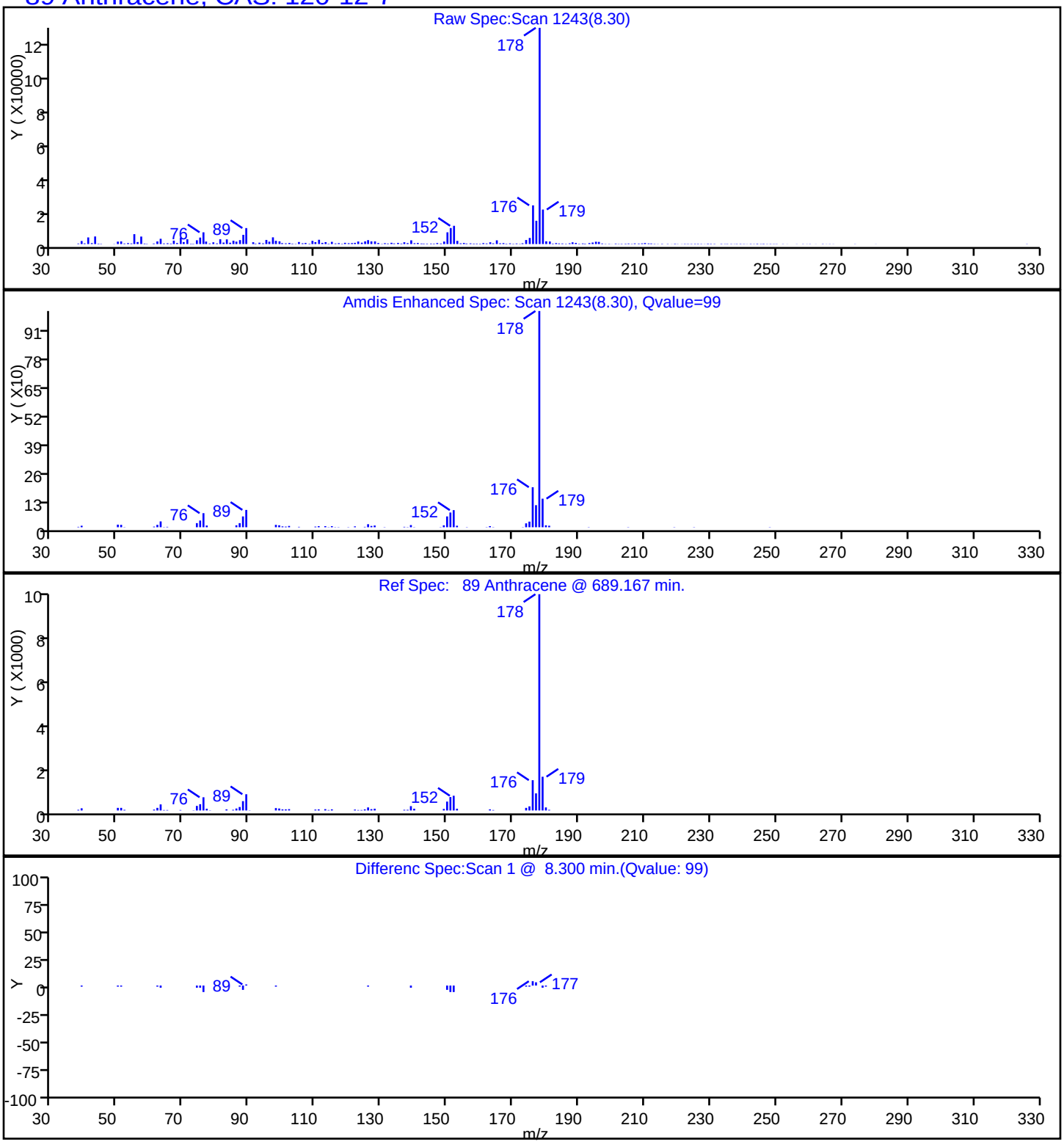
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7



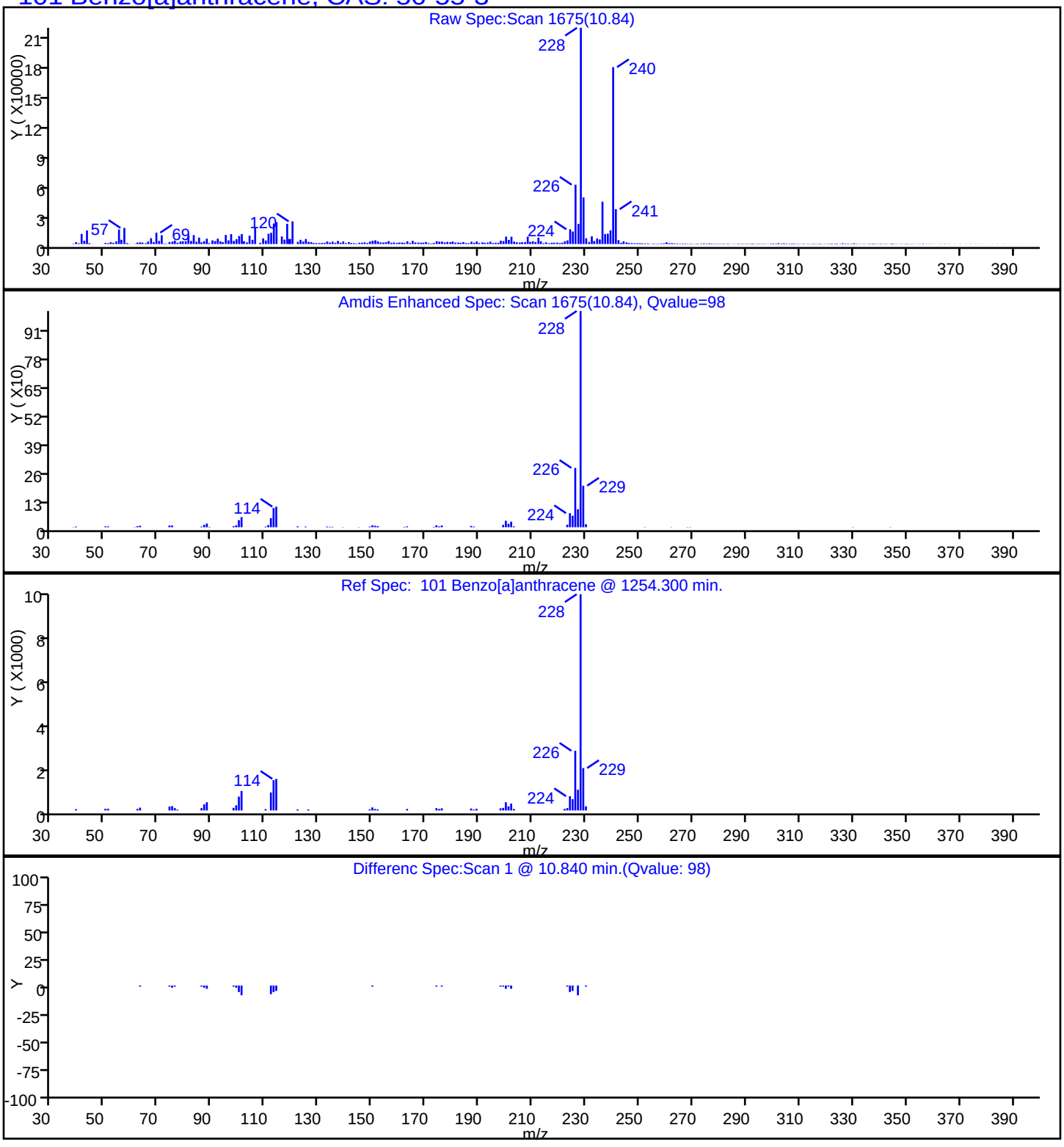
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



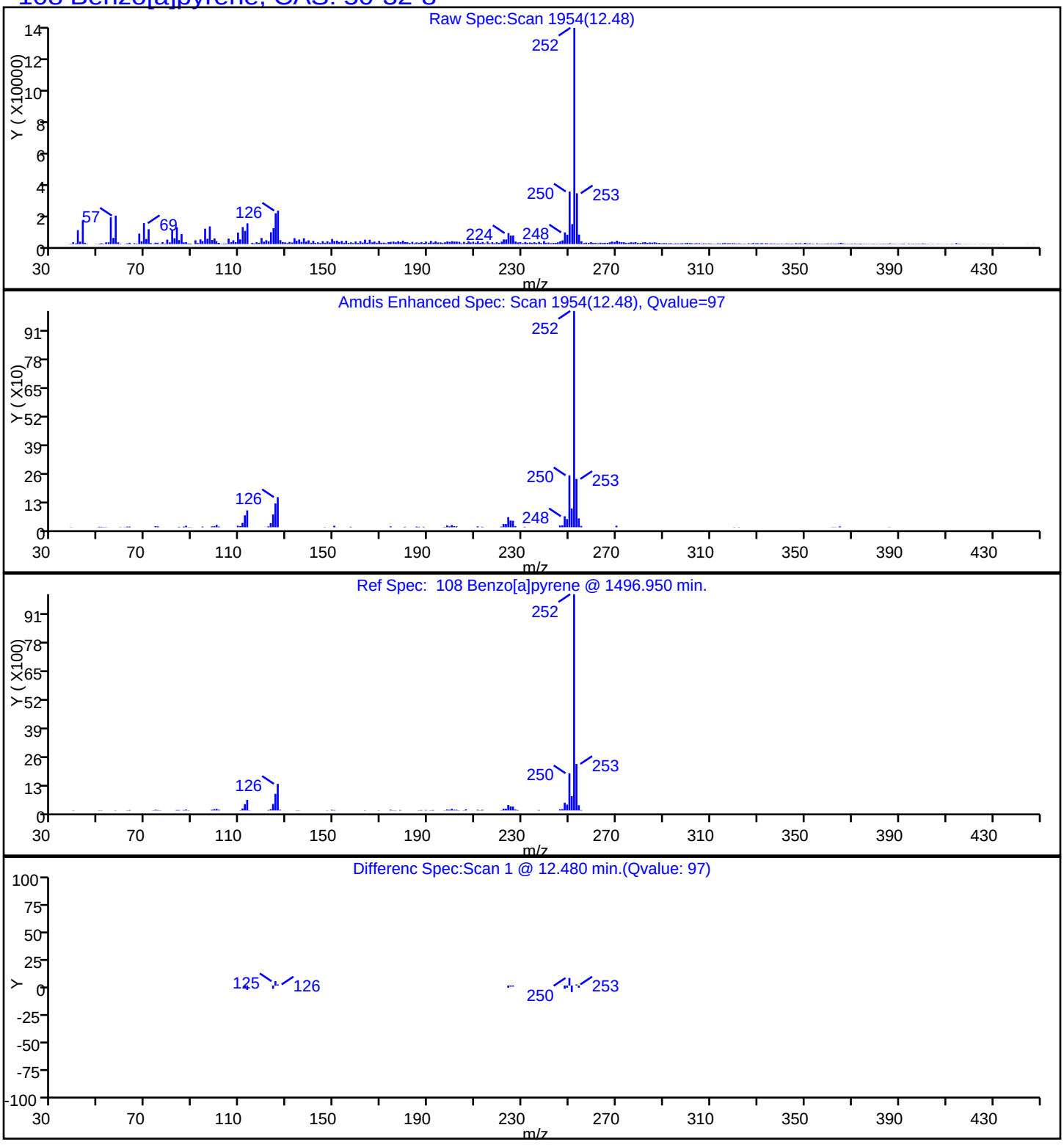
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

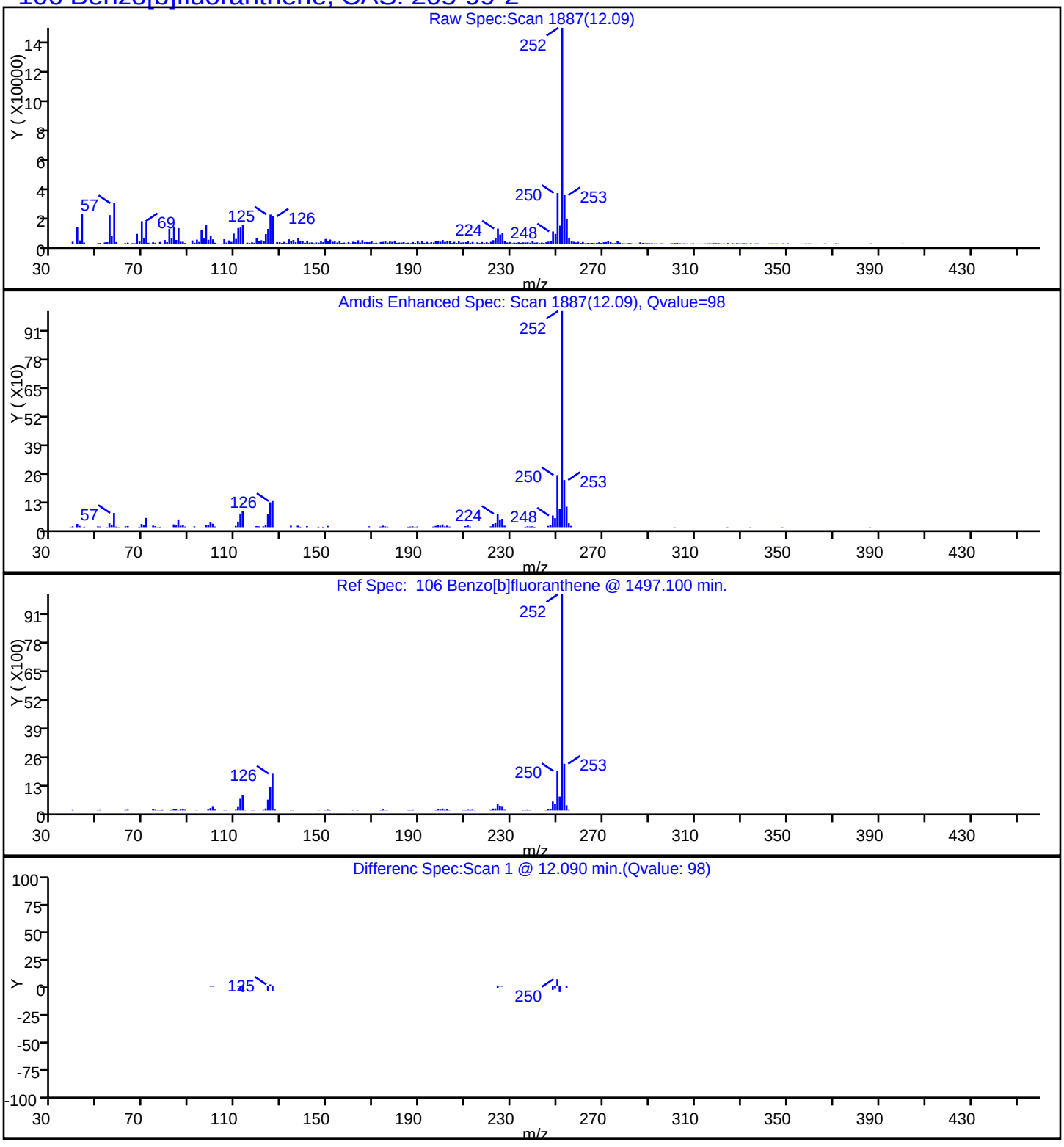


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

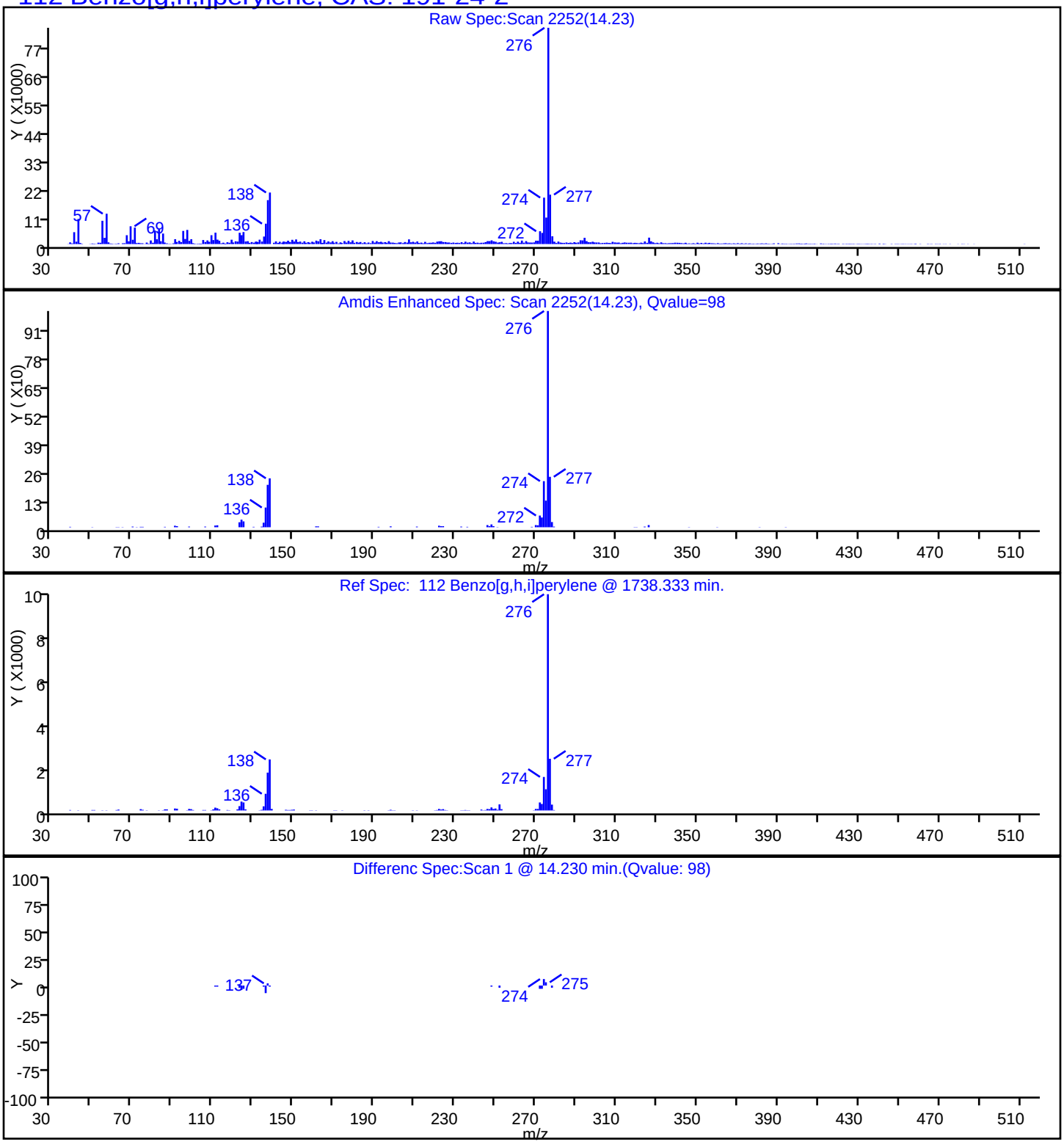


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



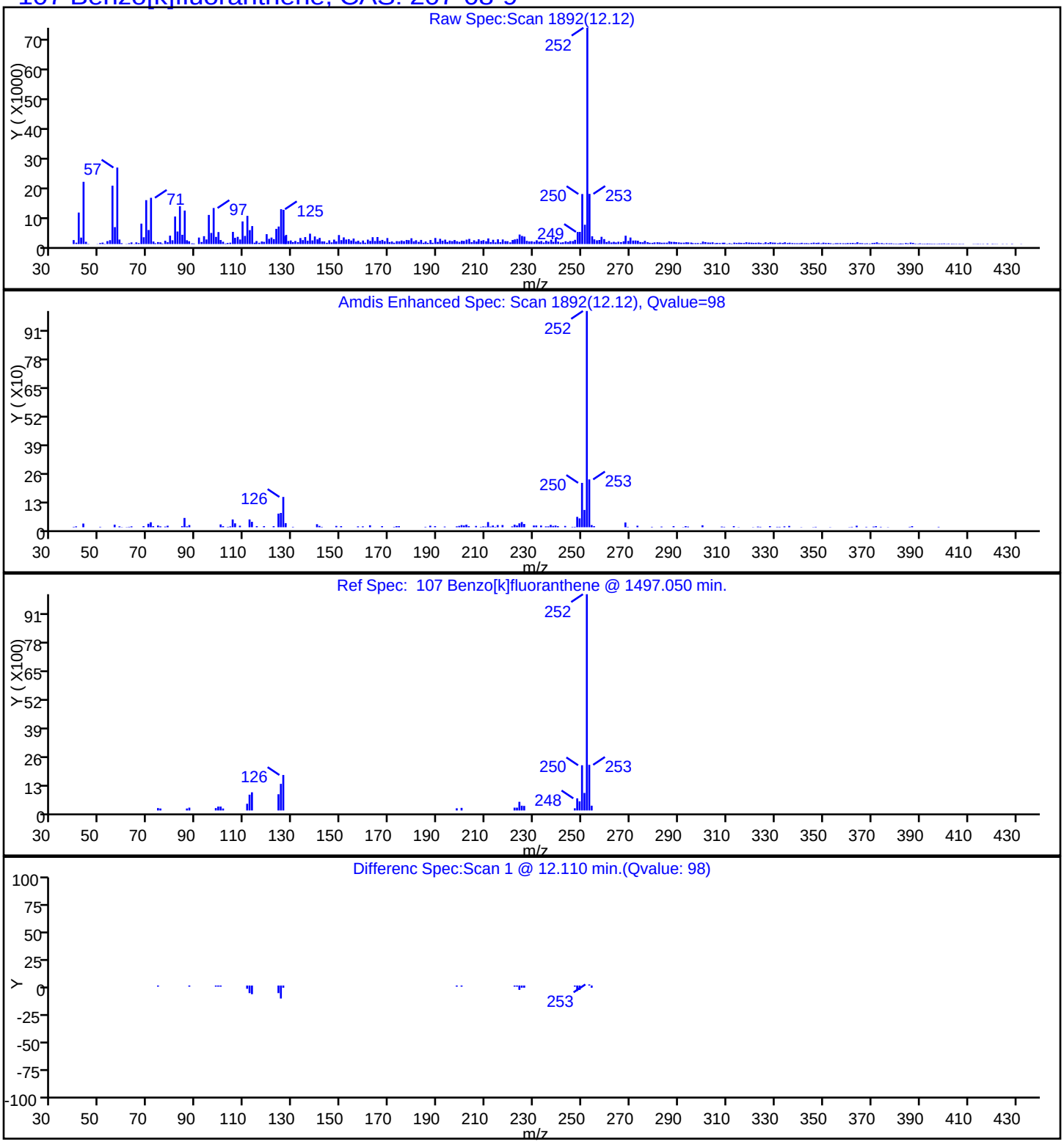
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

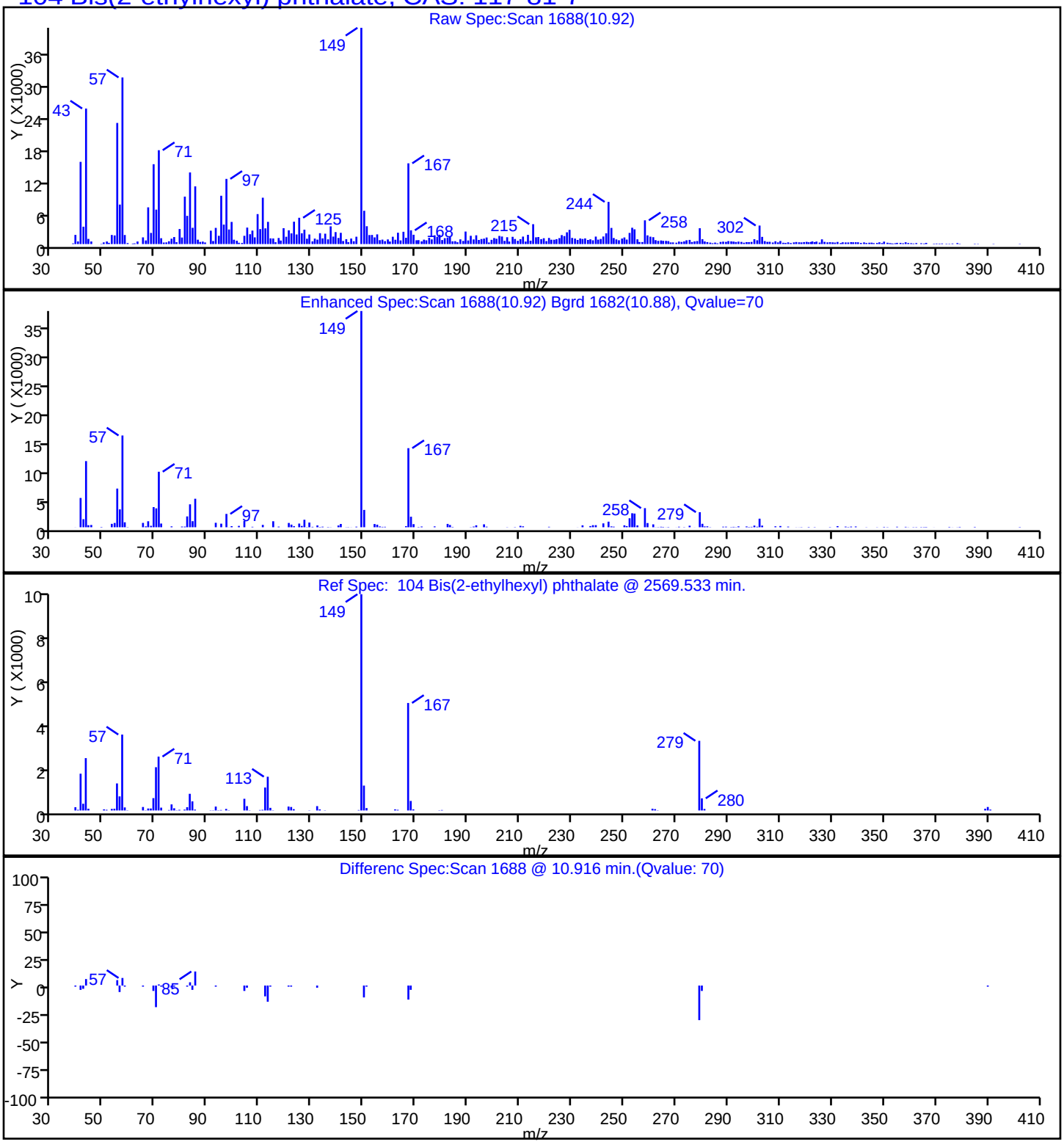


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



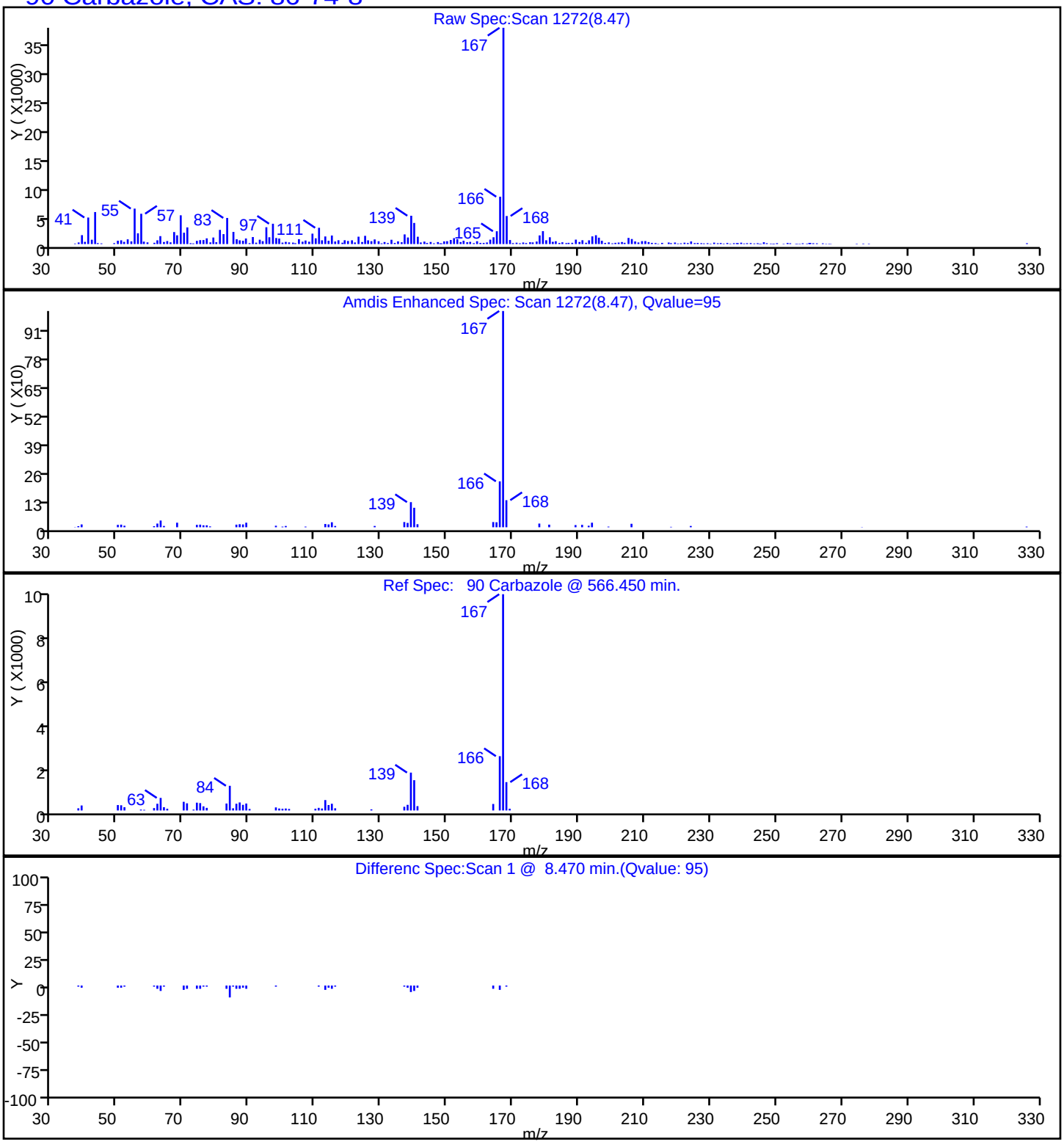
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Carbazole, CAS: 86-74-8



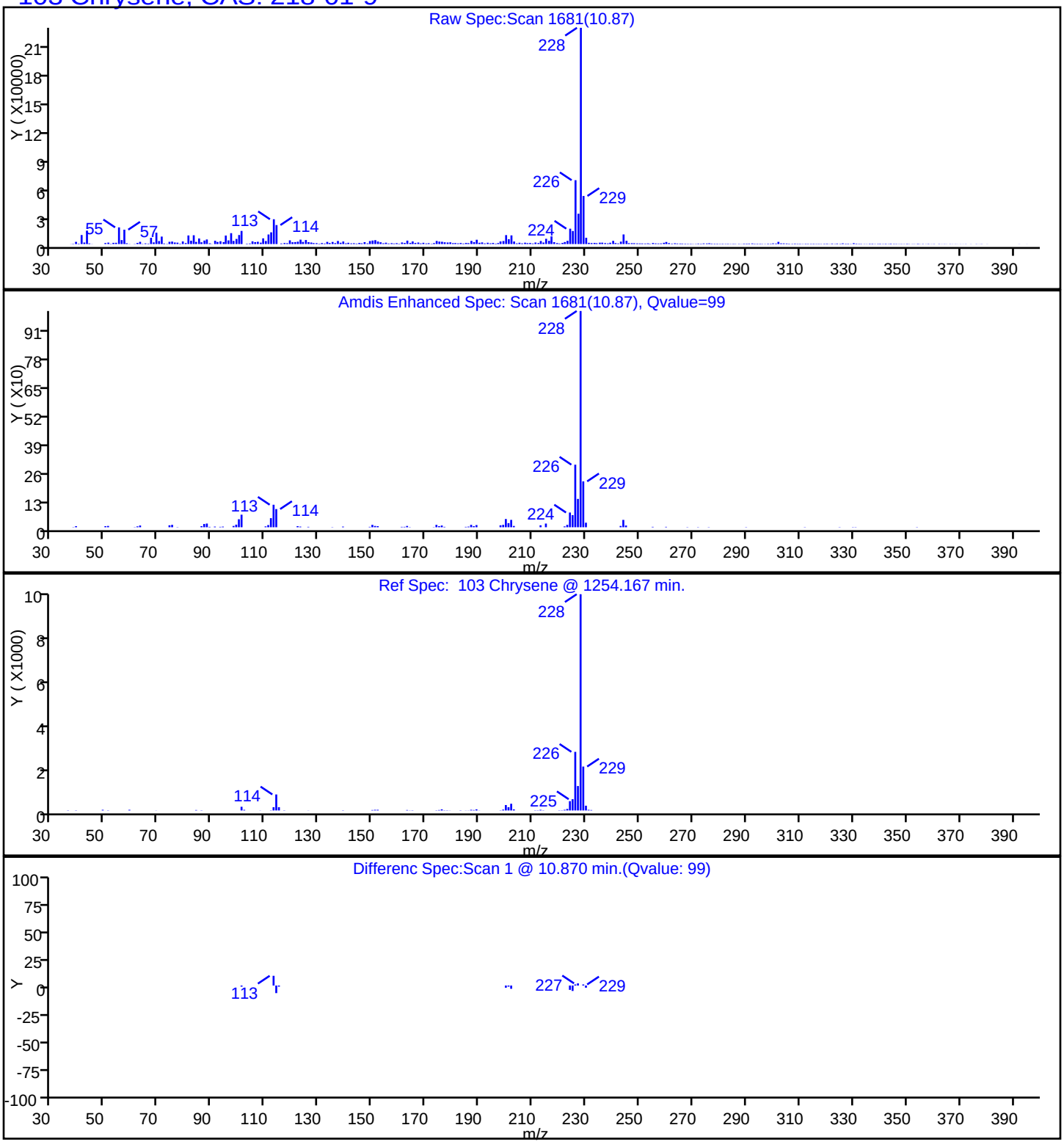
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9

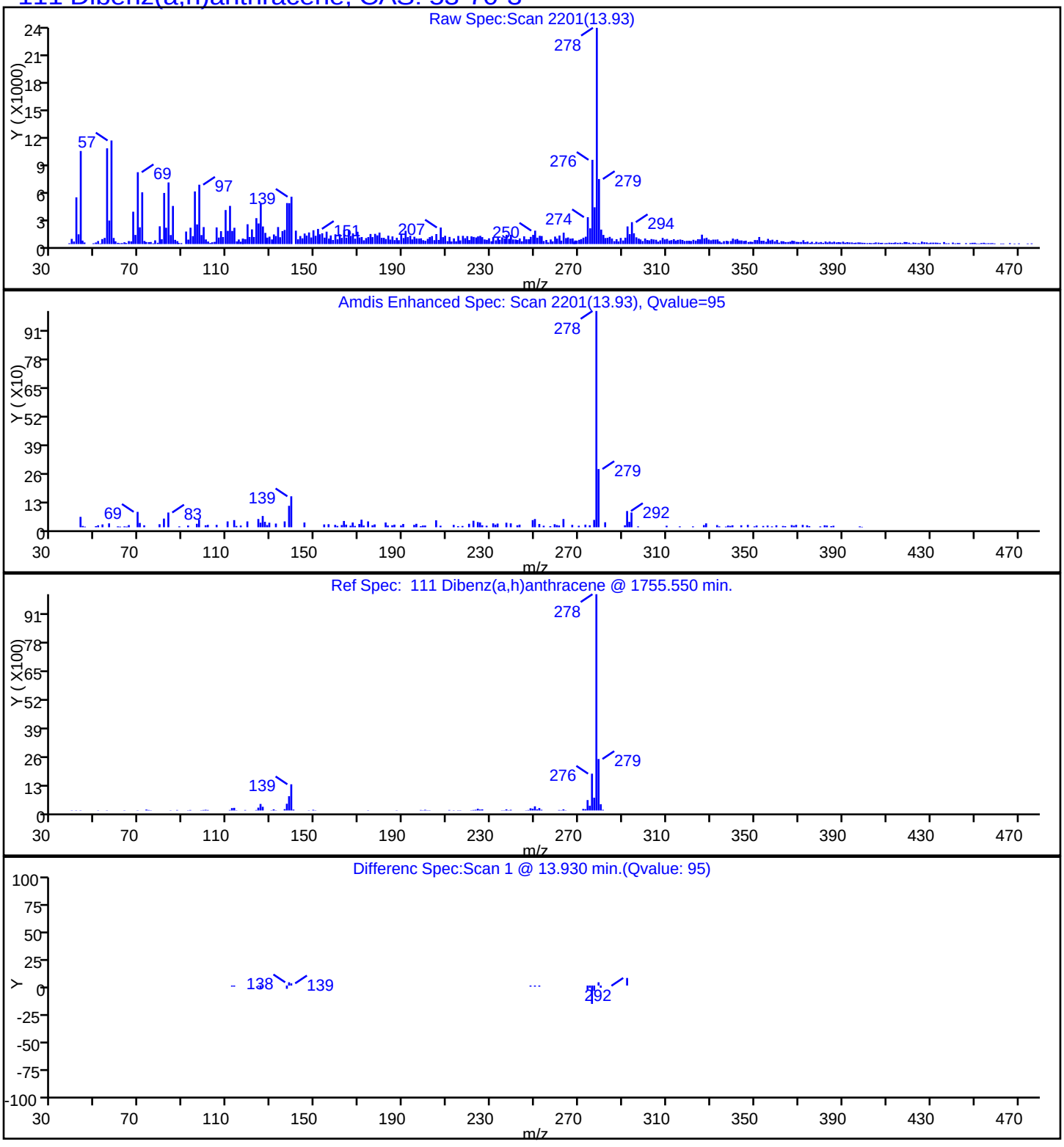


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



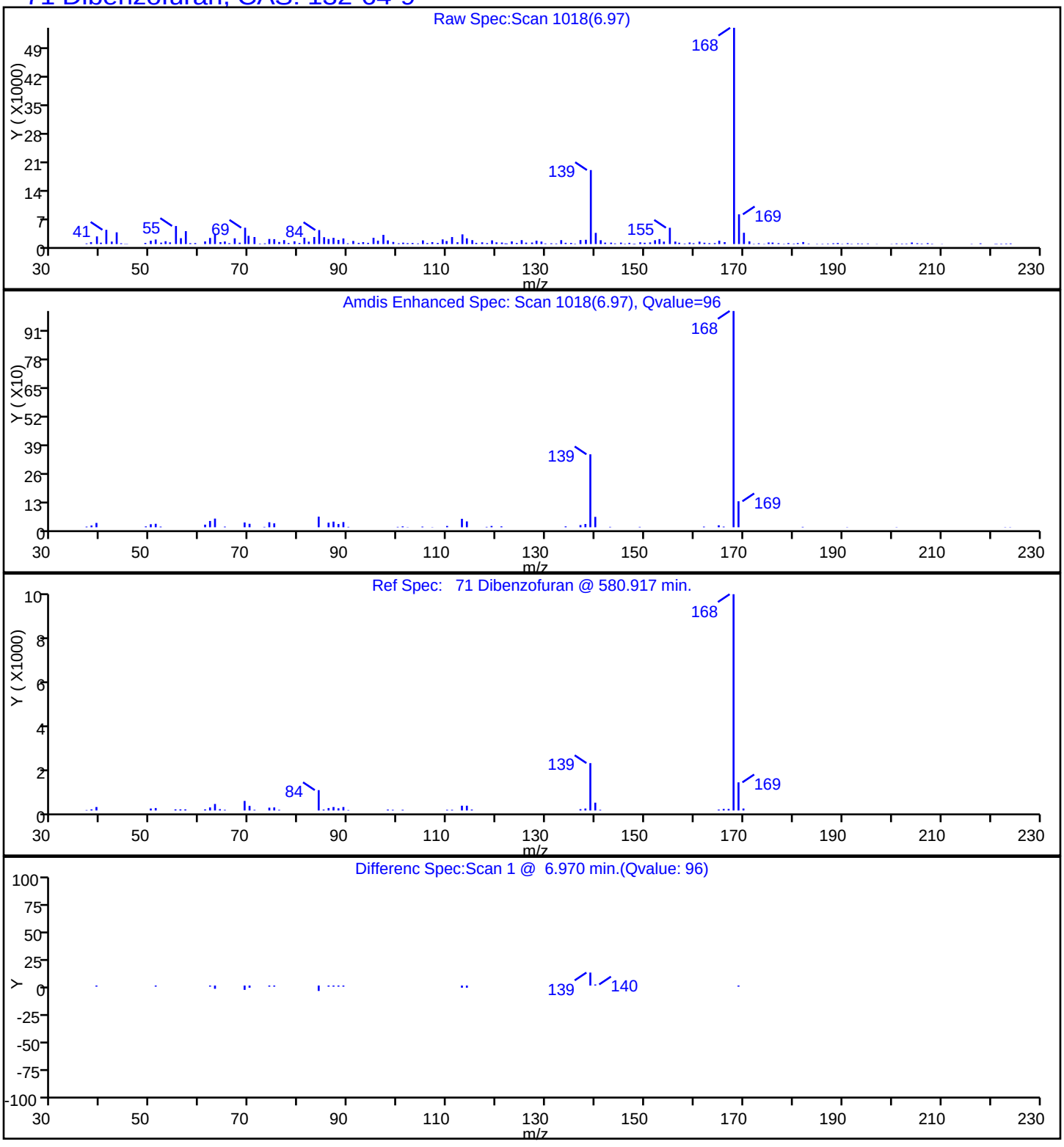
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

71 Dibenzofuran, CAS: 132-64-9

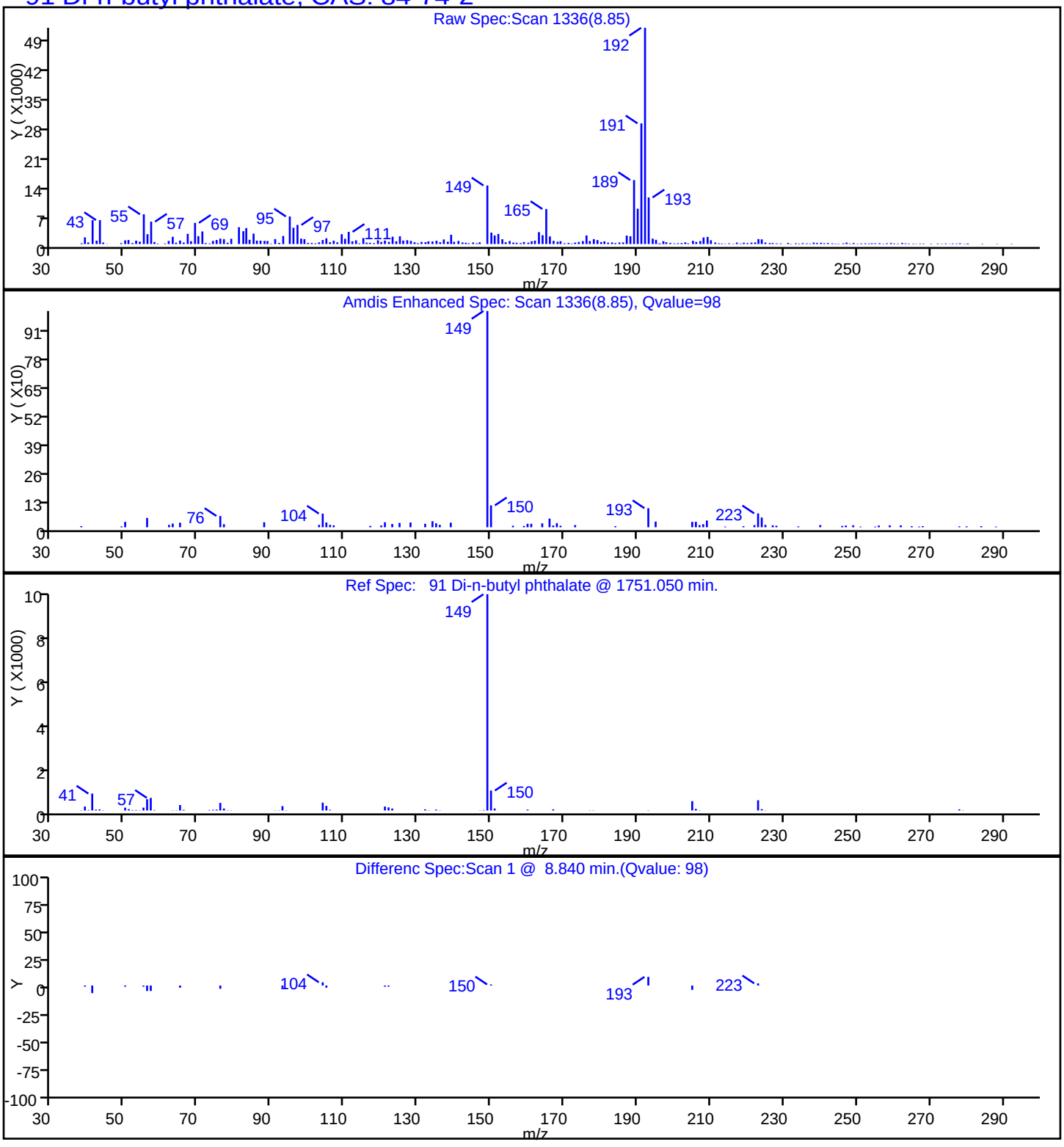


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Di-n-butyl phthalate, CAS: 84-74-2

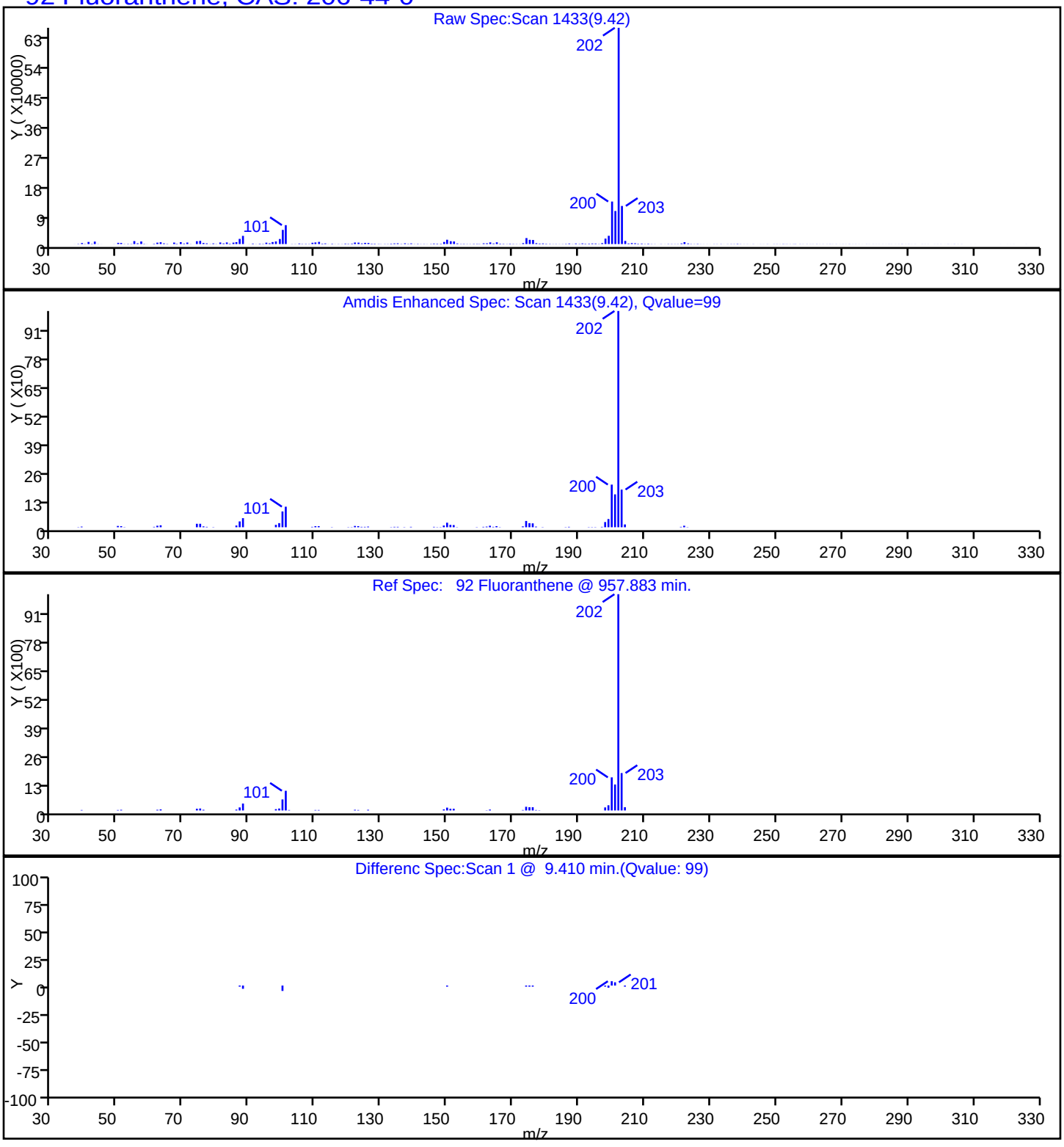


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0

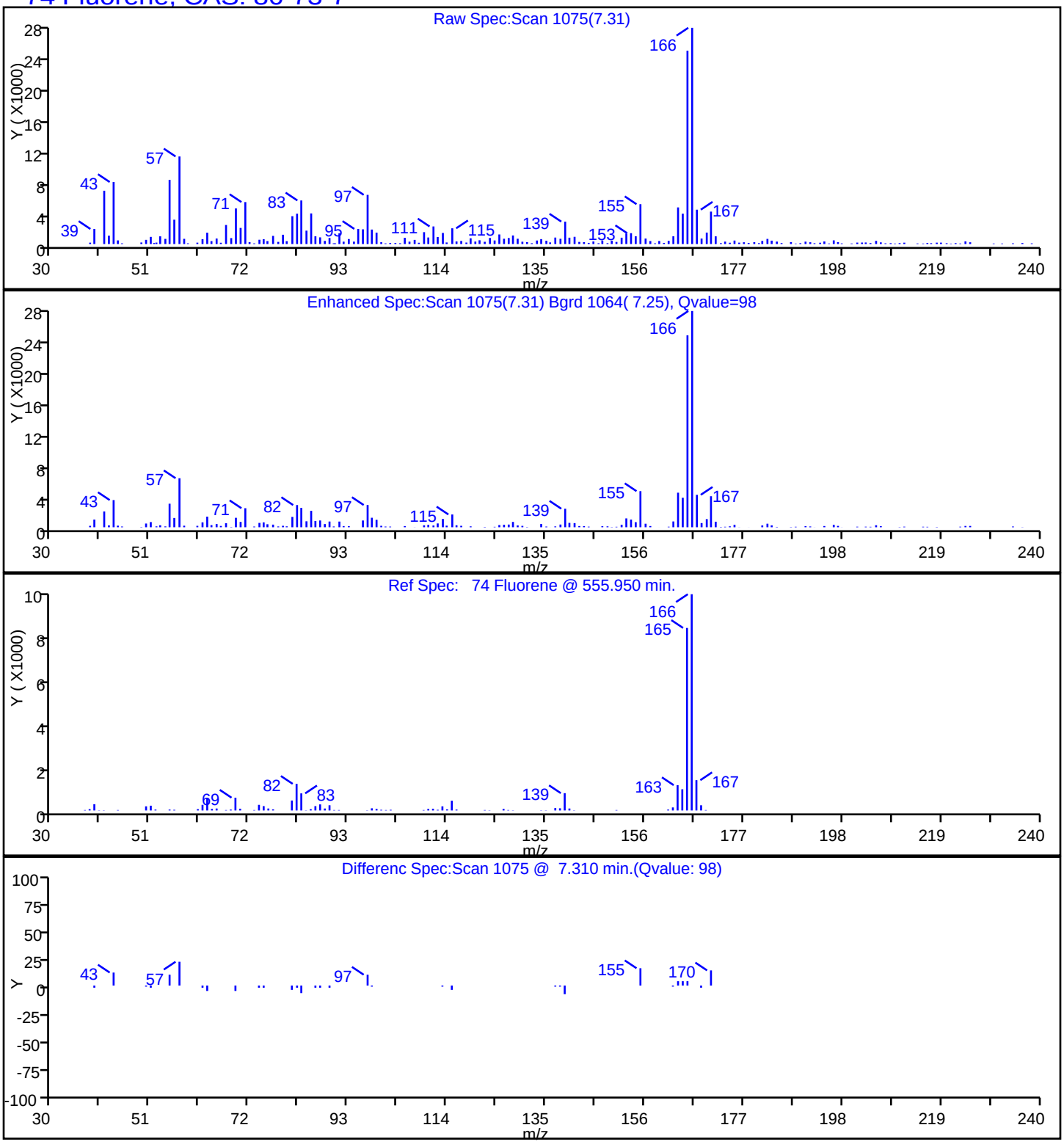


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7

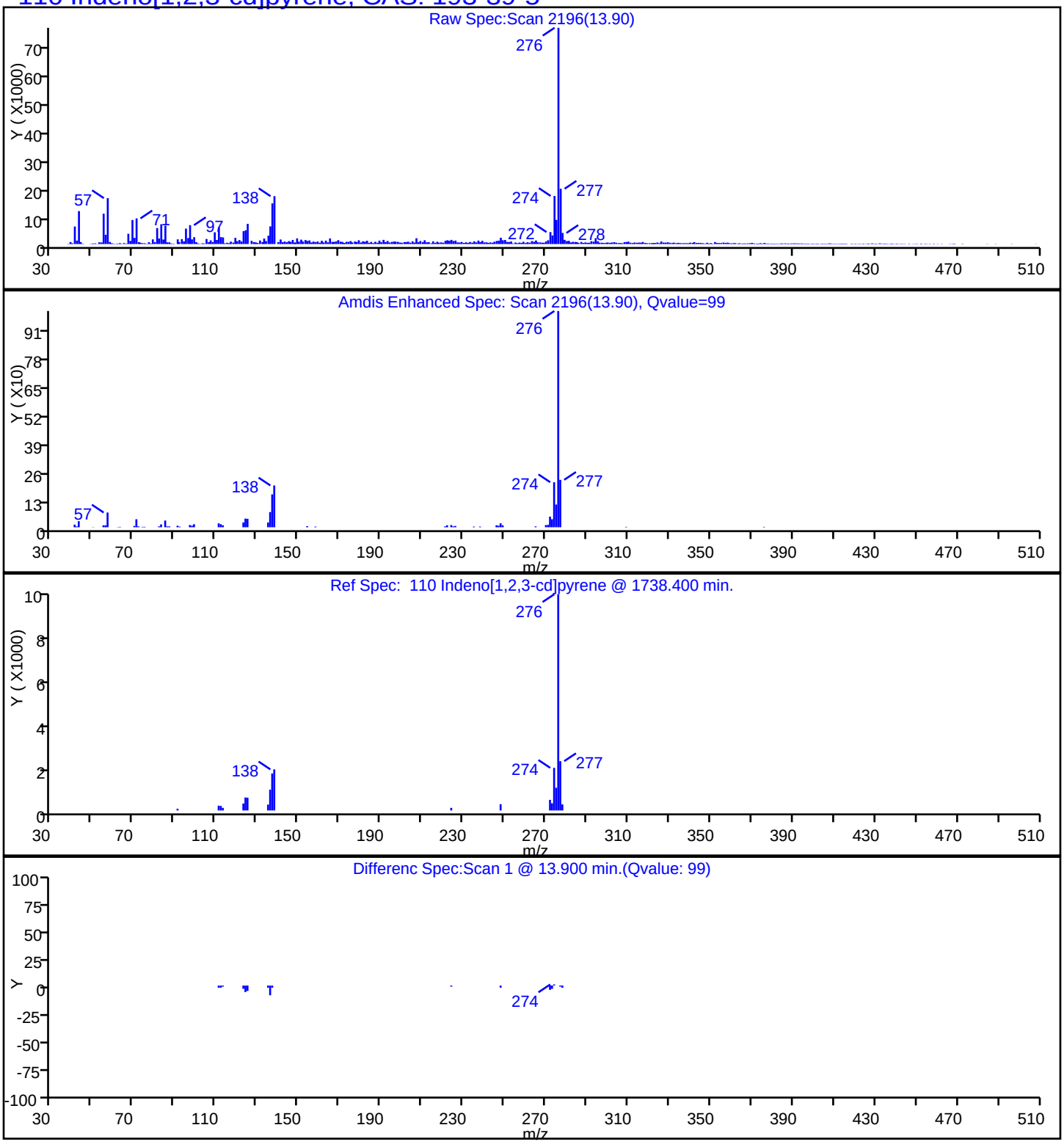


Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D				
Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



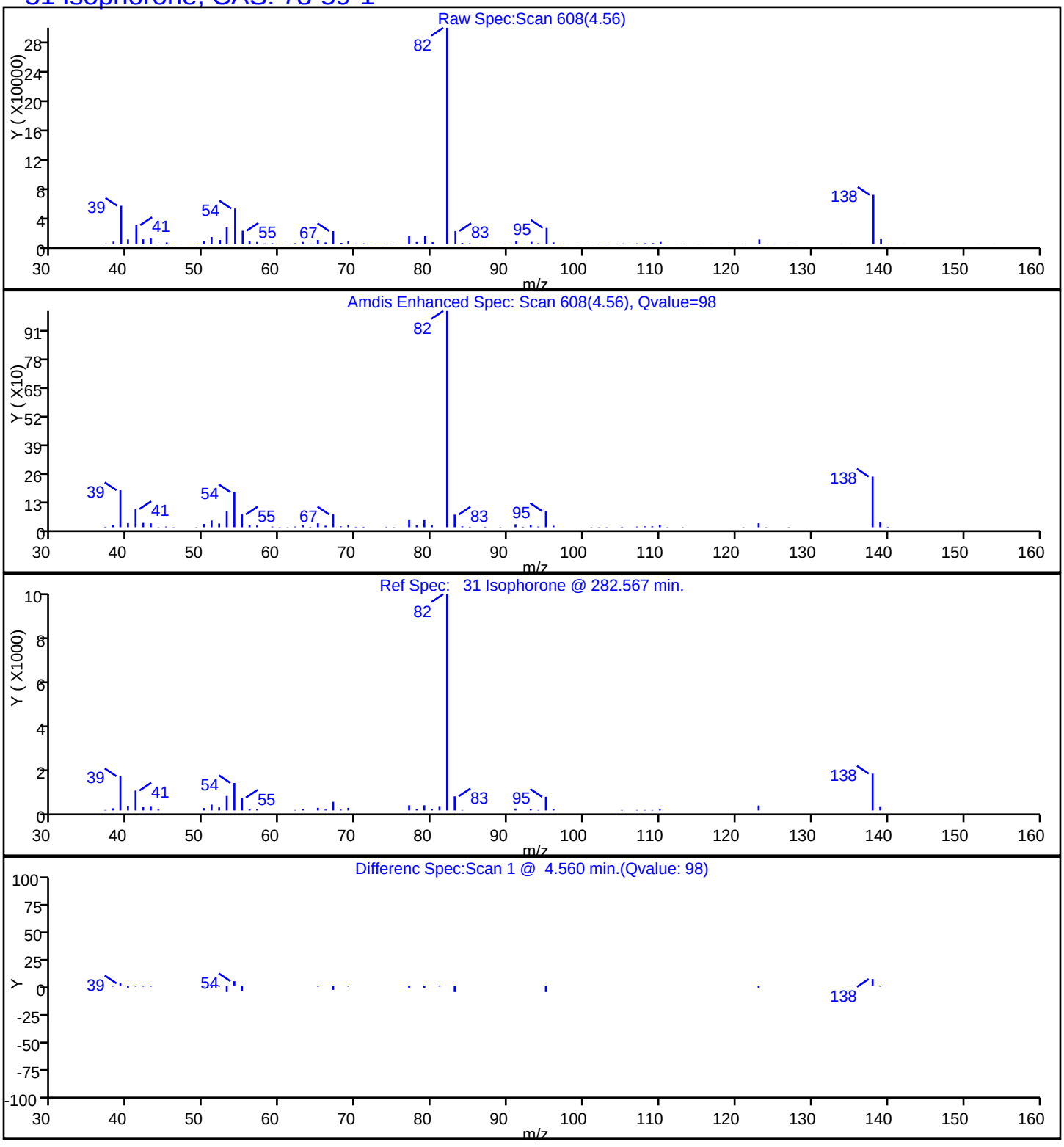
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

31 Isophorone, CAS: 78-59-1



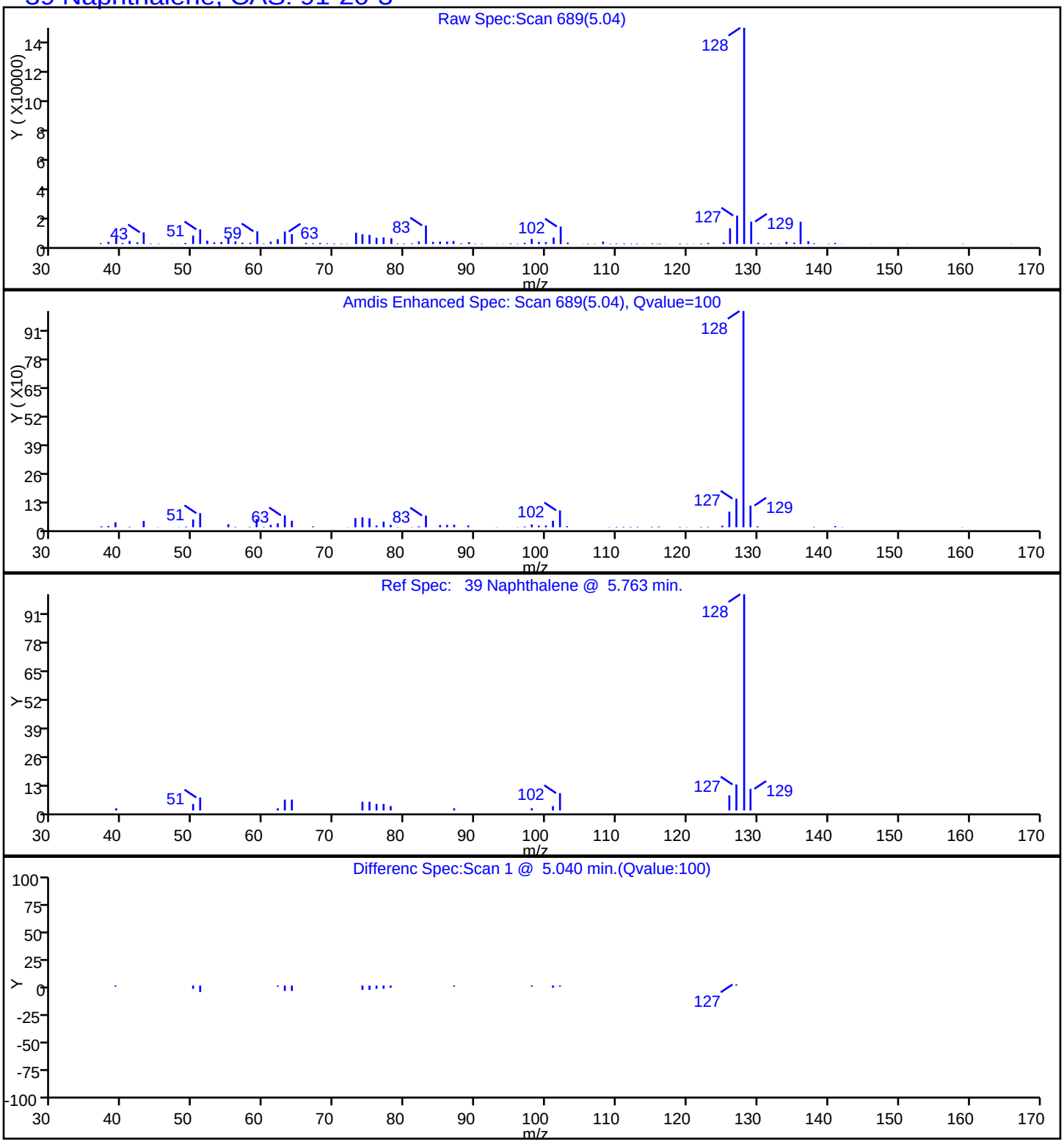
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



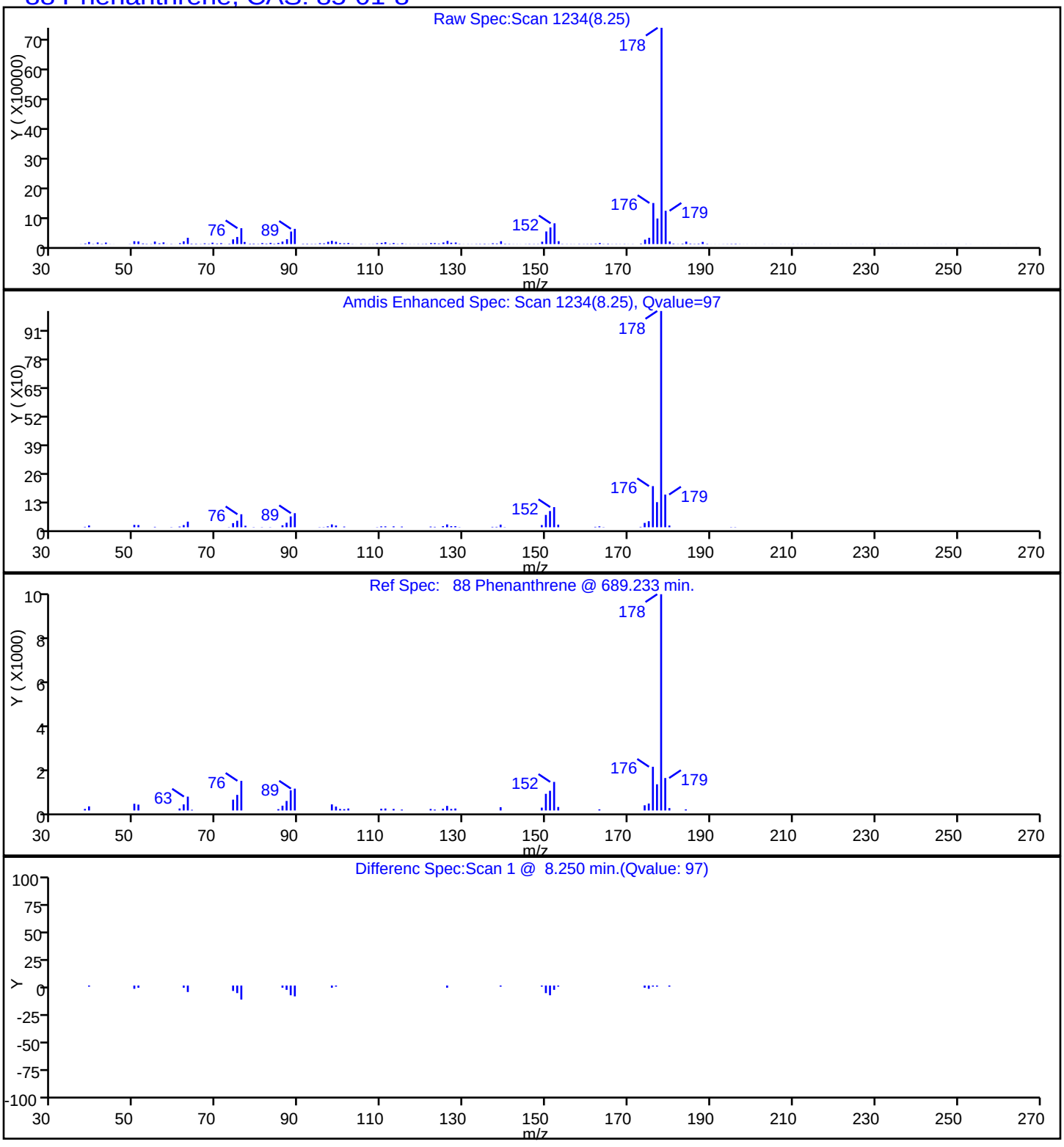
Report Date: 25-Aug-2016 08:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8



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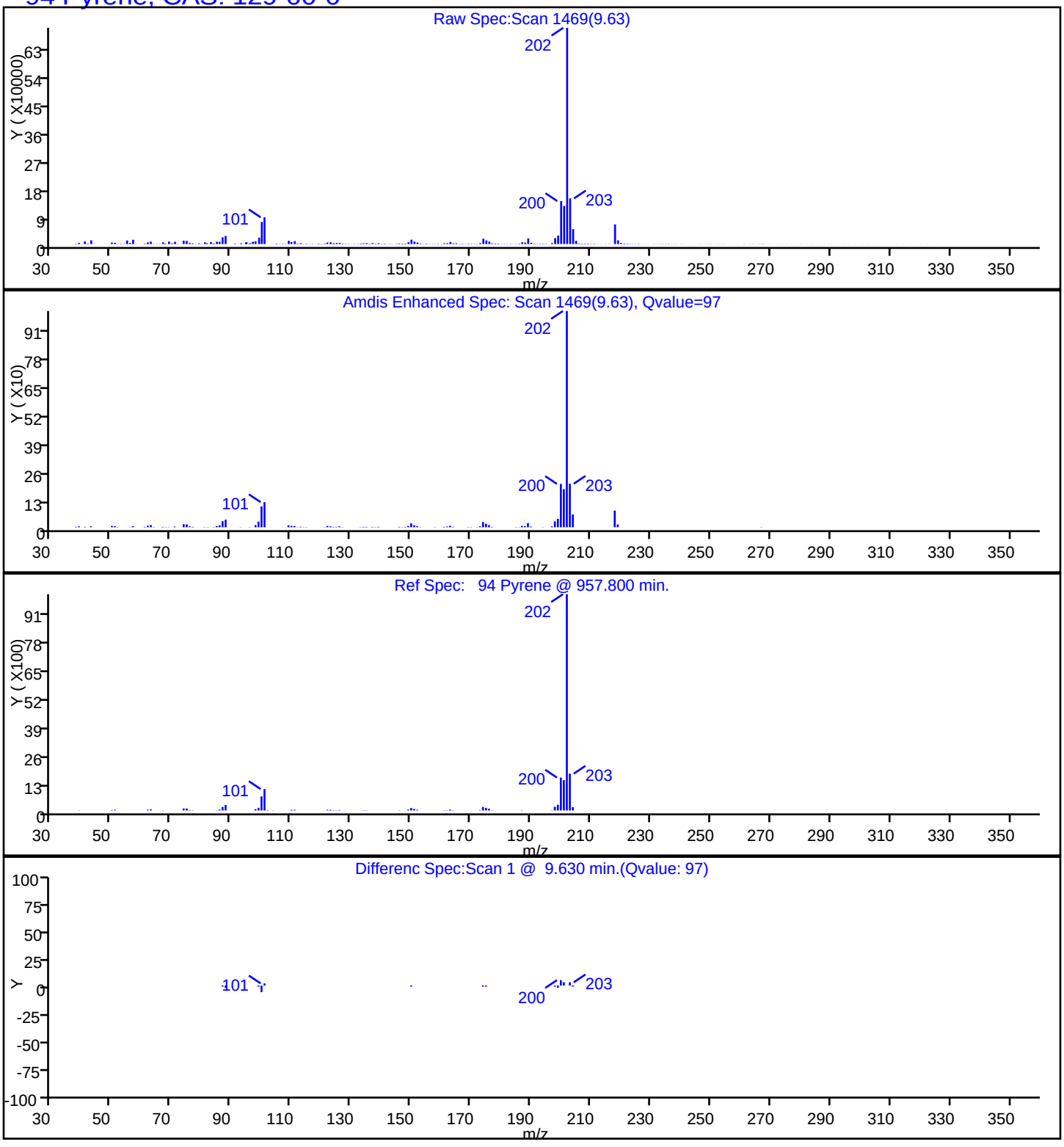
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811451.D

Injection Date:	24-Aug-2016 16:16:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-4-B	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(2-4)08192016 | Lab Sample ID: 460-118926-5

Matrix: Solid | Lab File ID: z41811452.D

Analysis Method: 8270D | Date Collected: 08/19/2016 09:42

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0222(g) | Date Analyzed: 08/24/2016 16:38

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	36	U	36	7.9
95-50-1	1,2-Dichlorobenzene	360	U	360	12
541-73-1	1,3-Dichlorobenzene	360	U	360	28
106-46-7	1,4-Dichlorobenzene	360	U	360	28
108-60-1	2,2'-oxybis[1-chloropropane]	360	U	360	15
121-14-2	2,4-Dinitrotoluene	73	U	73	14
606-20-2	2,6-Dinitrotoluene	73	U	73	19
91-58-7	2-Chloronaphthalene	360	U	360	8.2
91-57-6	2-Methylnaphthalene	8.9	J	360	7.9
88-74-4	2-Nitroaniline	360	U	360	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	40
99-09-2	3-Nitroaniline	360	U	360	11
101-55-3	4-Bromophenyl phenyl ether	360	U	360	11
106-47-8	4-Chloroaniline	360	U	360	9.2
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	11
100-01-6	4-Nitroaniline	360	U	360	14
83-32-9	Acenaphthene	23	J	360	8.7
208-96-8	Acenaphthylene	15	J	360	9.2
120-12-7	Anthracene	79	J	360	34
56-55-3	Benzo[a]anthracene	390		36	30
50-32-8	Benzo[a]pyrene	370		36	11
205-99-2	Benzo[b]fluoranthene	460		36	14
191-24-2	Benzo[g,h,i]perylene	370		360	21
207-08-9	Benzo[k]fluoranthene	180		36	16
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	11
111-44-4	Bis(2-chloroethyl)ether	36	U	36	8.5
117-81-7	Bis(2-ethylhexyl) phthalate	110	J	360	14
85-68-7	Butyl benzyl phthalate	23	J	360	11
86-74-8	Carbazole	20	J	360	8.9
218-01-9	Chrysene	420		360	9.8
53-70-3	Dibenz(a,h)anthracene	35	J	36	19
132-64-9	Dibenzofuran	13	J	360	11
84-66-2	Diethyl phthalate	360	U	360	10
131-11-3	Dimethyl phthalate	360	U	360	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(2-4)08192016 | Lab Sample ID: 460-118926-5

Matrix: Solid | Lab File ID: z41811452.D

Analysis Method: 8270D | Date Collected: 08/19/2016 09:42

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0222(g) | Date Analyzed: 08/24/2016 16:38

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	33	J	360	11
117-84-0	Di-n-octyl phthalate	360	U	360	18
206-44-0	Fluoranthene	650		360	11
86-73-7	Fluorene	16	J	360	7.8
118-74-1	Hexachlorobenzene	36	U	36	15
87-68-3	Hexachlorobutadiene	73	U	73	10
77-47-4	Hexachlorocyclopentadiene	360	U	360	22
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	360		36	24
78-59-1	Isophorone	17	J	140	7.7
91-20-3	Naphthalene	360	U	360	9.1
98-95-3	Nitrobenzene	36	U	36	11
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	12
86-30-6	N-Nitrosodiphenylamine	360	U	360	33
85-01-8	Phenanthrene	330	J	360	9.6
129-00-0	Pyrene	610		360	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	77		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	72		37-94
1718-51-0	Terphenyl-d14 (Surr)	72		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811452.D
Lims ID: 460-118926-E-5-B
Client ID: SB-3(2-4)08192016
Sample Type: Client
Inject. Date: 24-Aug-2016 16:38:30 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-028
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 25-Aug-2016 08:55:38 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: bayoumiw Date: 25-Aug-2016 08:55:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	3.722	3.716	0.006	95	362625	40.0	
$ 26 Nitrobenzene-d5	82	4.292	4.304	-0.012	89	342708	35.9	
31 Isophorone	82	4.557	4.581	-0.024	96	3387	0.2286	
* 38 Naphthalene-d8	136	5.016	5.016	0.000	99	1181179	40.0	
44 2-Methylnaphthalene	142	5.745	5.745	0.000	90	2387	0.1230	
$ 51 2-Fluorobiphenyl	172	6.122	6.122	0.000	98	813279	38.4	
63 Acenaphthylene	152	6.628	6.634	-0.006	98	5105	0.2049	
* 65 Acenaphthene-d10	164	6.769	6.769	0.000	92	558522	40.0	
67 Acenaphthene	154	6.798	6.804	-0.006	94	4852	0.3140	
71 Dibenzofuran	168	6.975	6.981	-0.006	97	4002	0.1769	
74 Fluorene	166	7.310	7.316	-0.006	95	3880	0.2168	
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	667708	40.0	
88 Phenanthrene	178	8.245	8.245	0.000	96	81979	4.53	
89 Anthracene	178	8.292	8.298	-0.006	99	20574	1.09	
90 Carbazole	167	8.469	8.469	0.000	96	4133	0.2758	
91 Di-n-butyl phthalate	149	8.845	8.839	0.006	99	8162	0.4546	
92 Fluoranthene	202	9.410	9.410	0.000	99	151719	8.95	
94 Pyrene	202	9.627	9.622	0.005	98	137504	8.46	
$ 96 Terphenyl-d14	244	9.804	9.798	0.006	99	428657	36.1	
97 Butyl benzyl phthalate	149	10.304	10.298	0.006	90	1772	0.3138	
101 Benzo[a]anthracene	228	10.833	10.828	0.005	97	66553	5.42	
* 102 Chrysene-d12	240	10.845	10.839	0.006	99	403524	40.0	
103 Chrysene	228	10.868	10.869	-0.001	99	64348	5.75	
104 Bis(2-ethylhexyl) phthalat	149	10.927	10.916	0.011	89	11957	1.53	
106 Benzo[b]fluoranthene	252	12.080	12.074	0.006	97	72020	6.37	
107 Benzo[k]fluoranthene	252	12.110	12.104	0.006	98	30773	2.45	
108 Benzo[a]pyrene	252	12.474	12.469	0.005	98	54703	5.15	
* 109 Perylene-d12	264	12.551	12.545	0.006	99	384715	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.898	13.892	0.006	99	44441	4.98	
111 Dibenz(a,h)anthracene	278	13.980	13.921	0.059	94	4335	0.4891	
112 Benzo[g,h,i]perylene	276	14.221	14.216	0.005	98	42295	5.16	

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

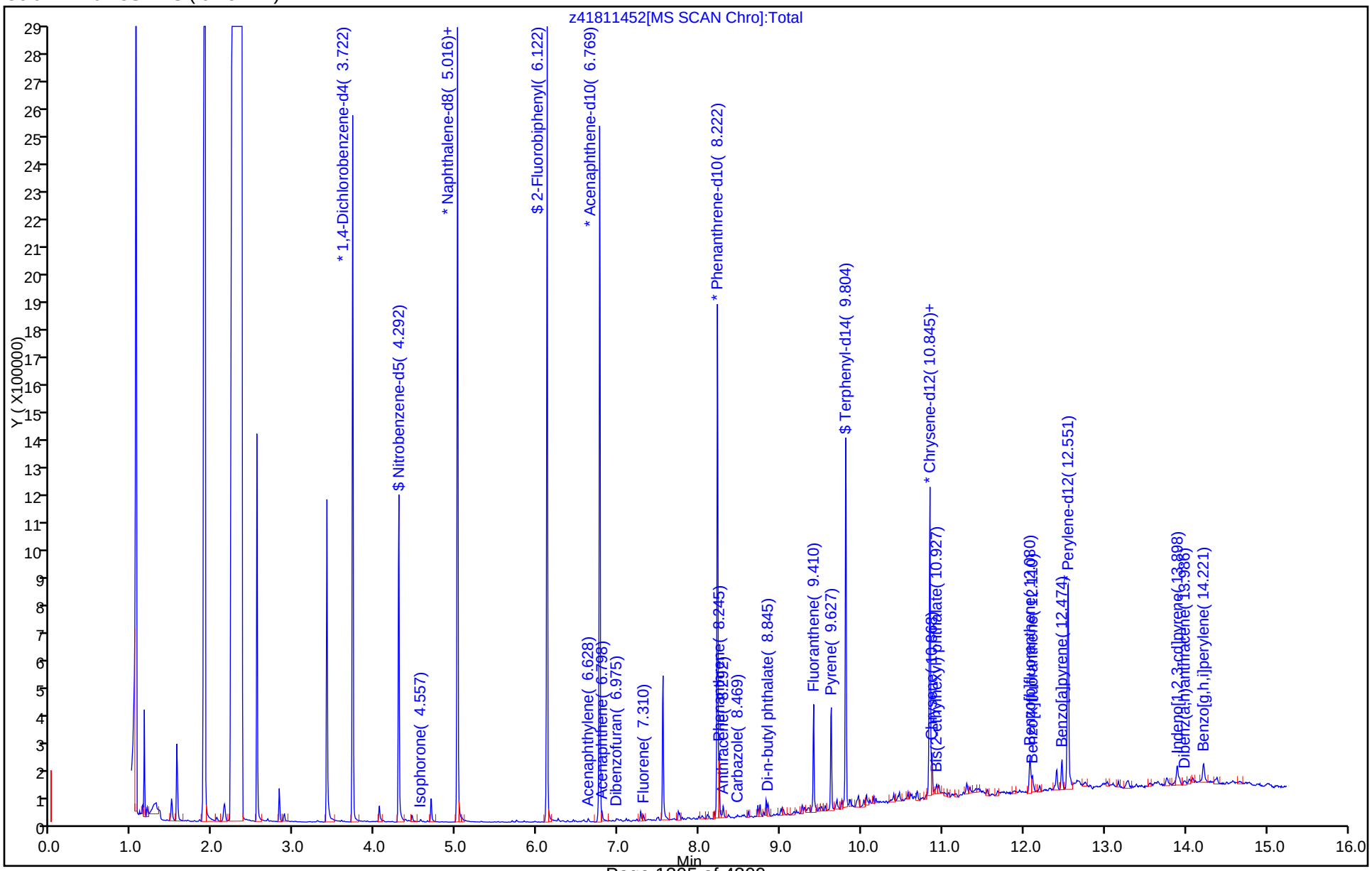
Report Date: 25-Aug-2016 08:55:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811452.D

Injection Date:	24-Aug-2016 16:38:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	460-118926-E-5-B	Lab Sample ID:	460-118926-5	Worklist Smp#:	28
Client ID:	SB-3(2-4)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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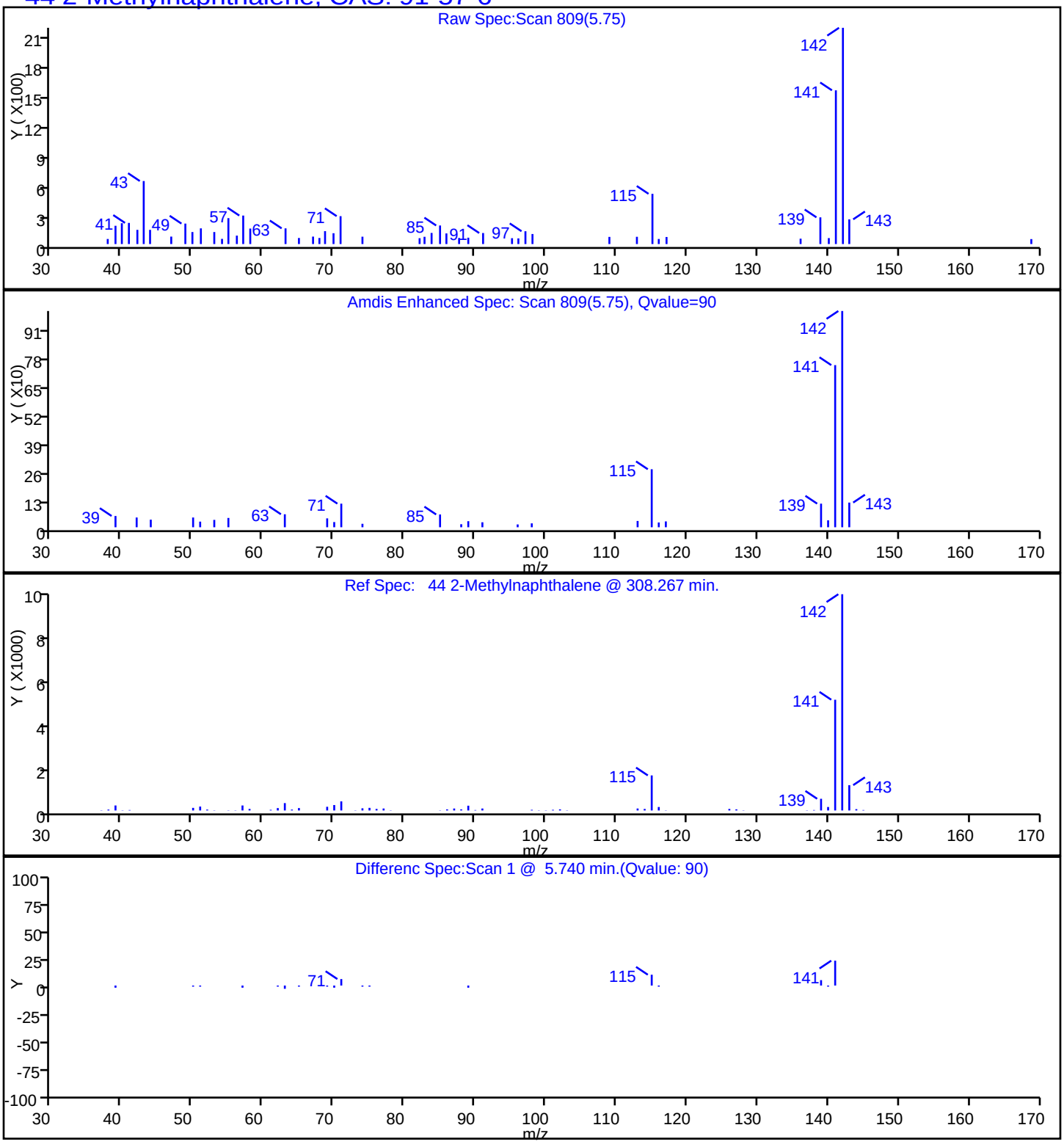
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



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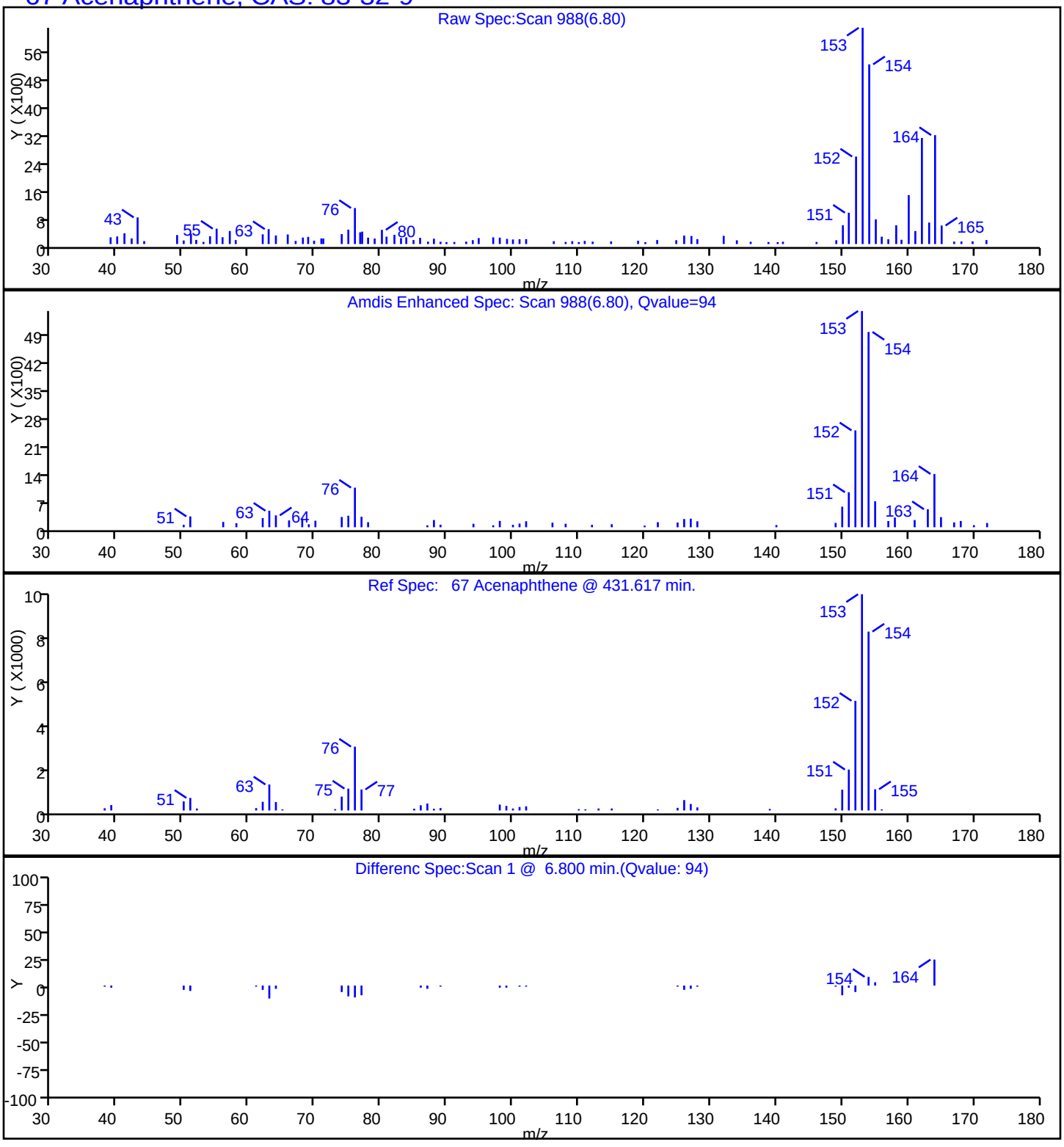
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9



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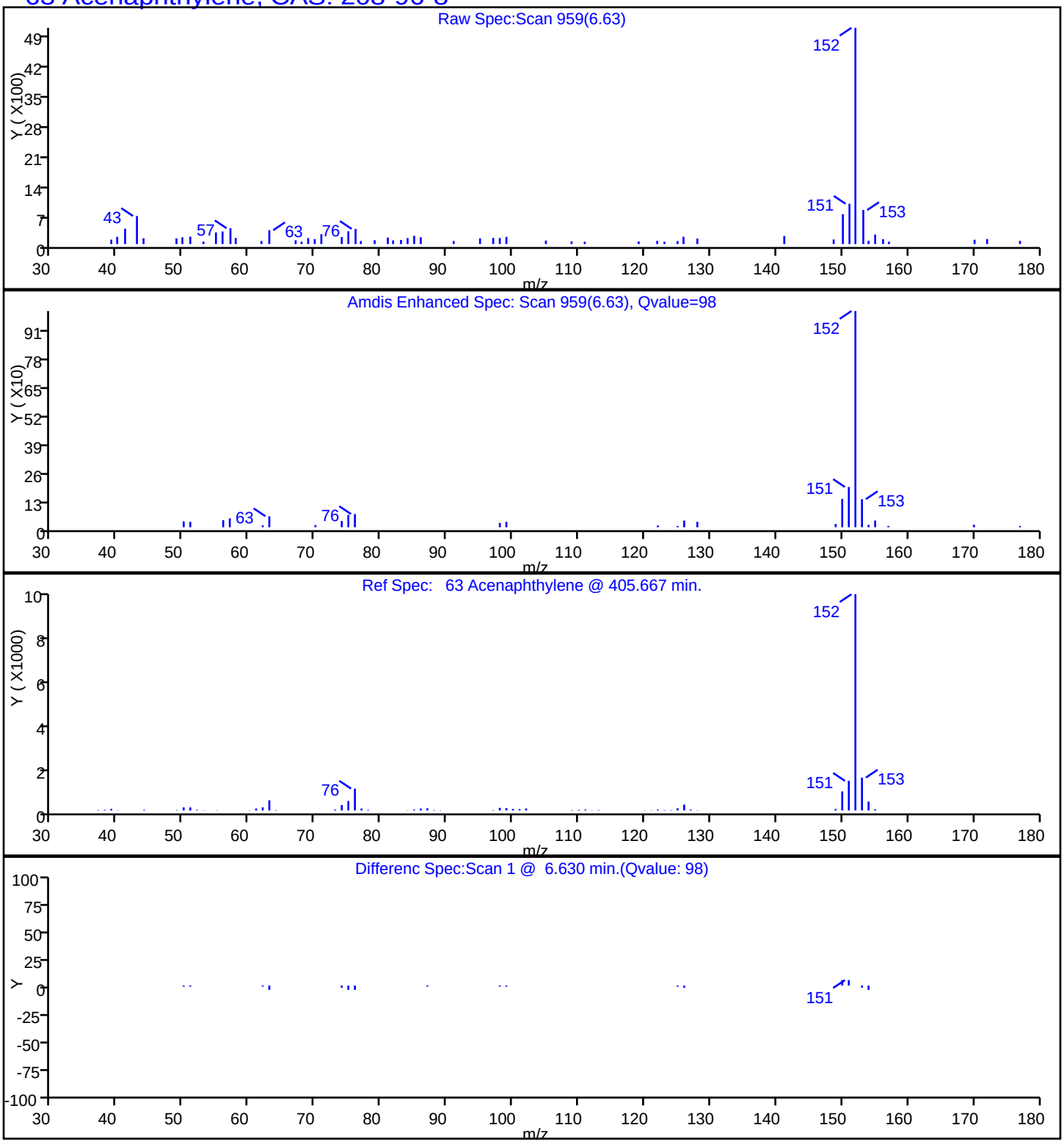
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 Acenaphthylene, CAS: 208-96-8



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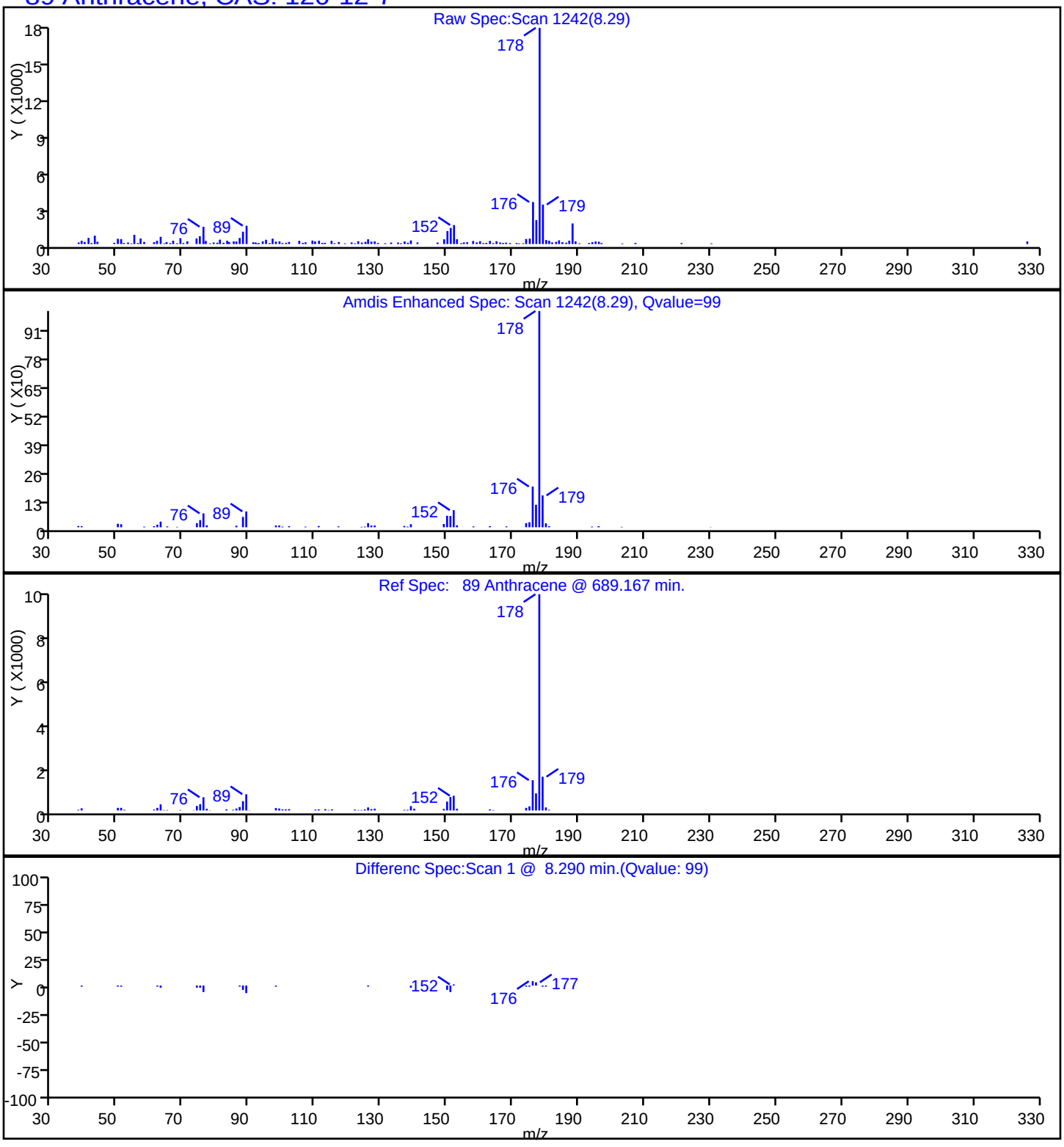
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7



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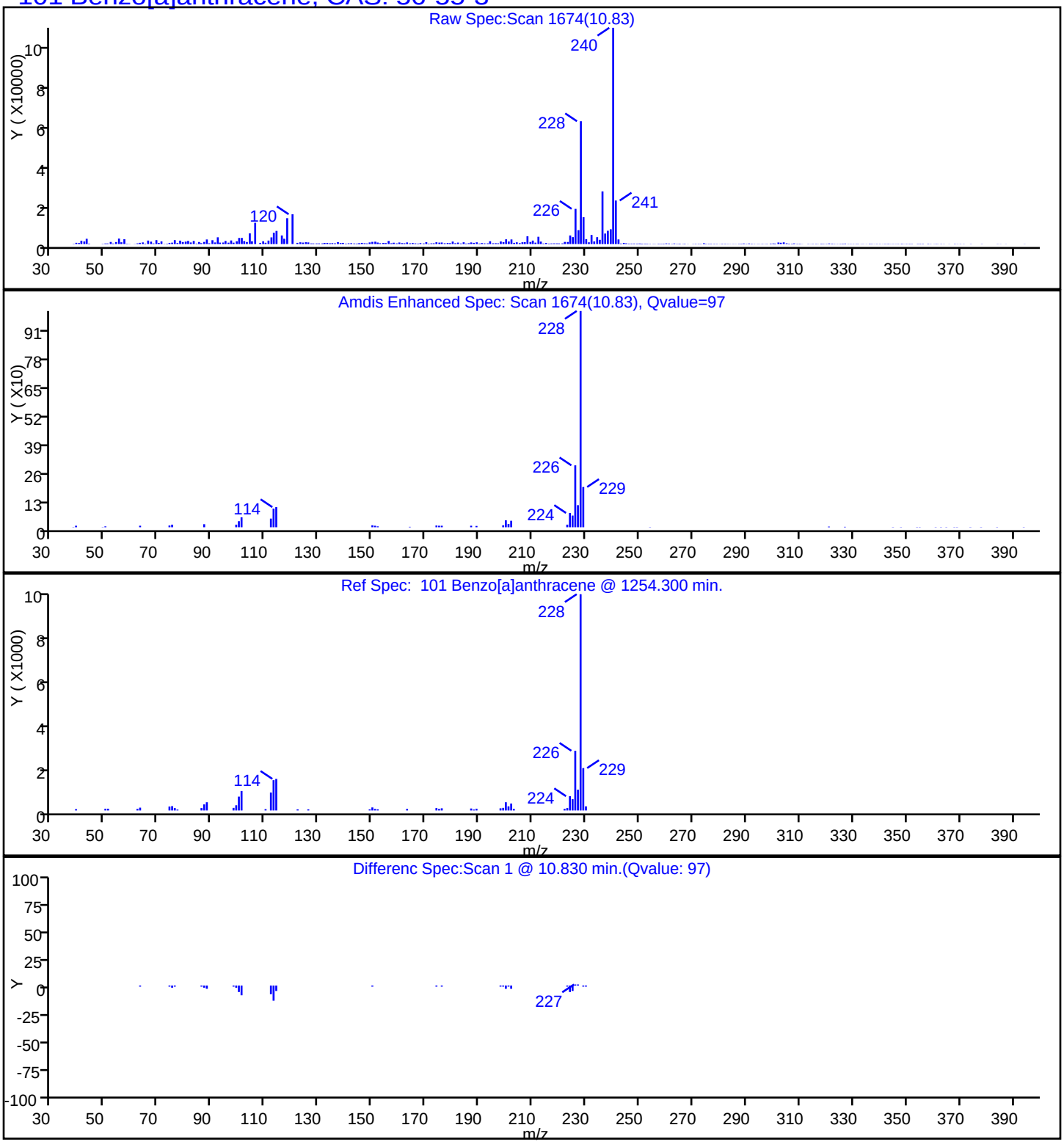
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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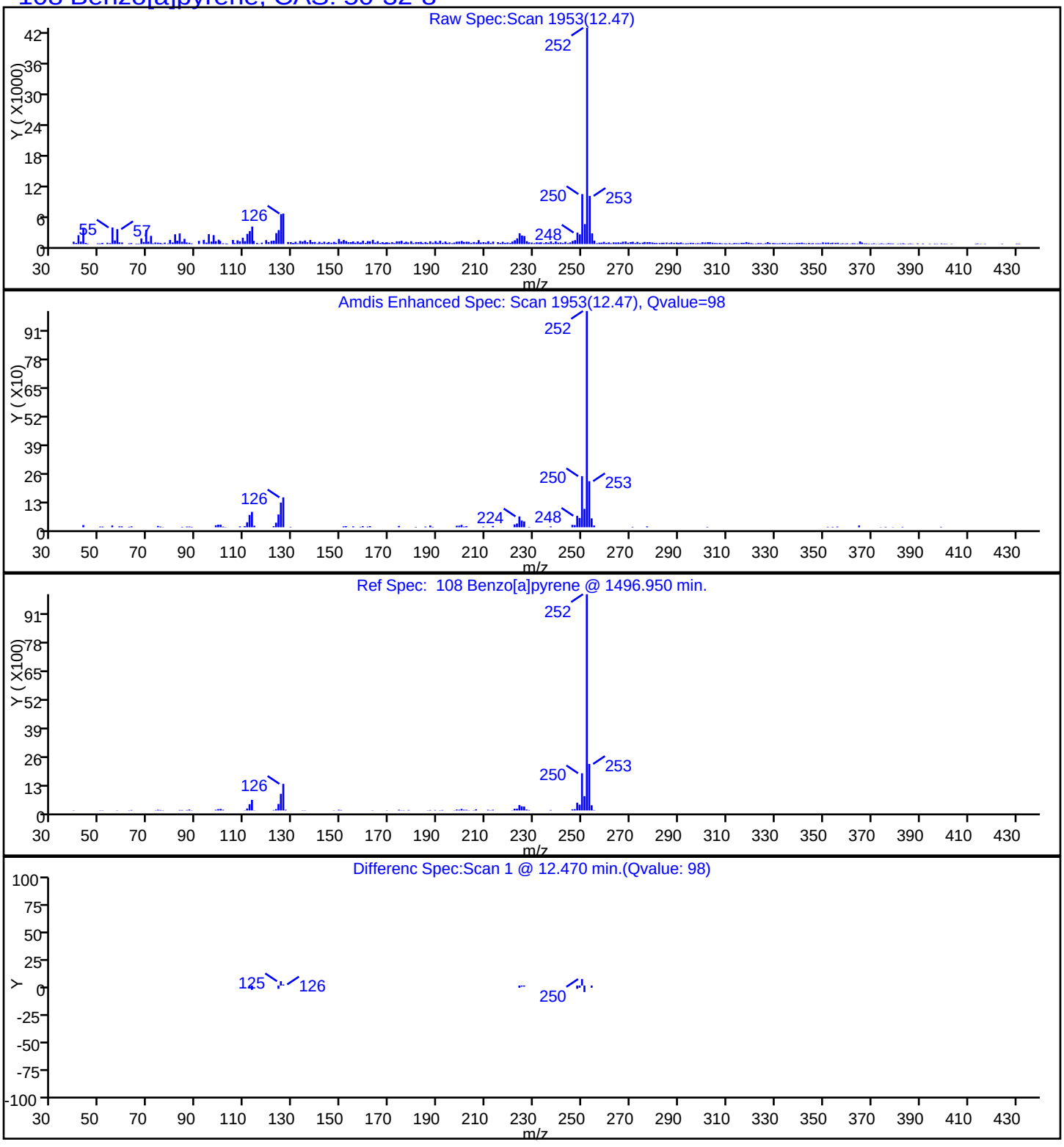
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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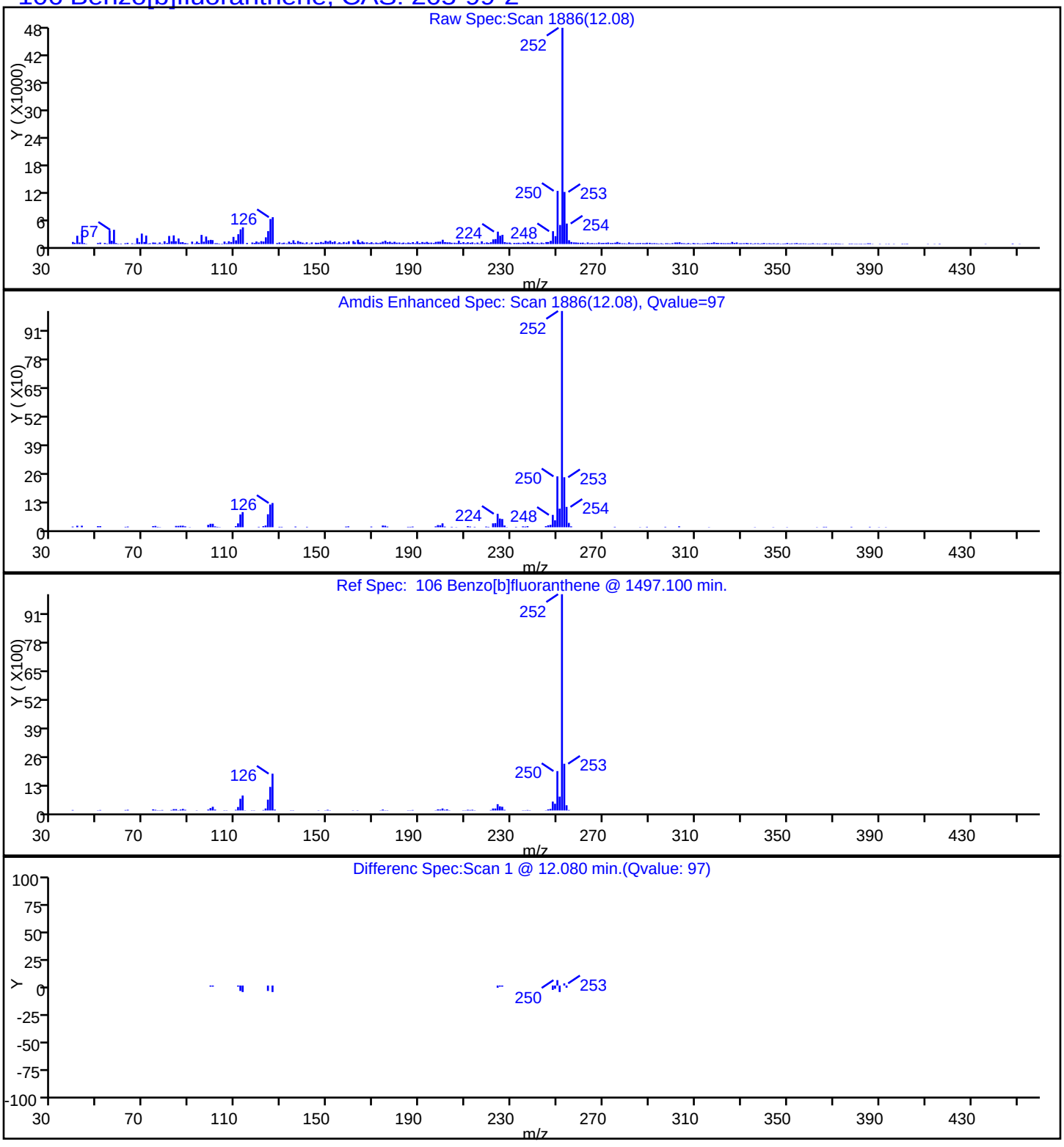
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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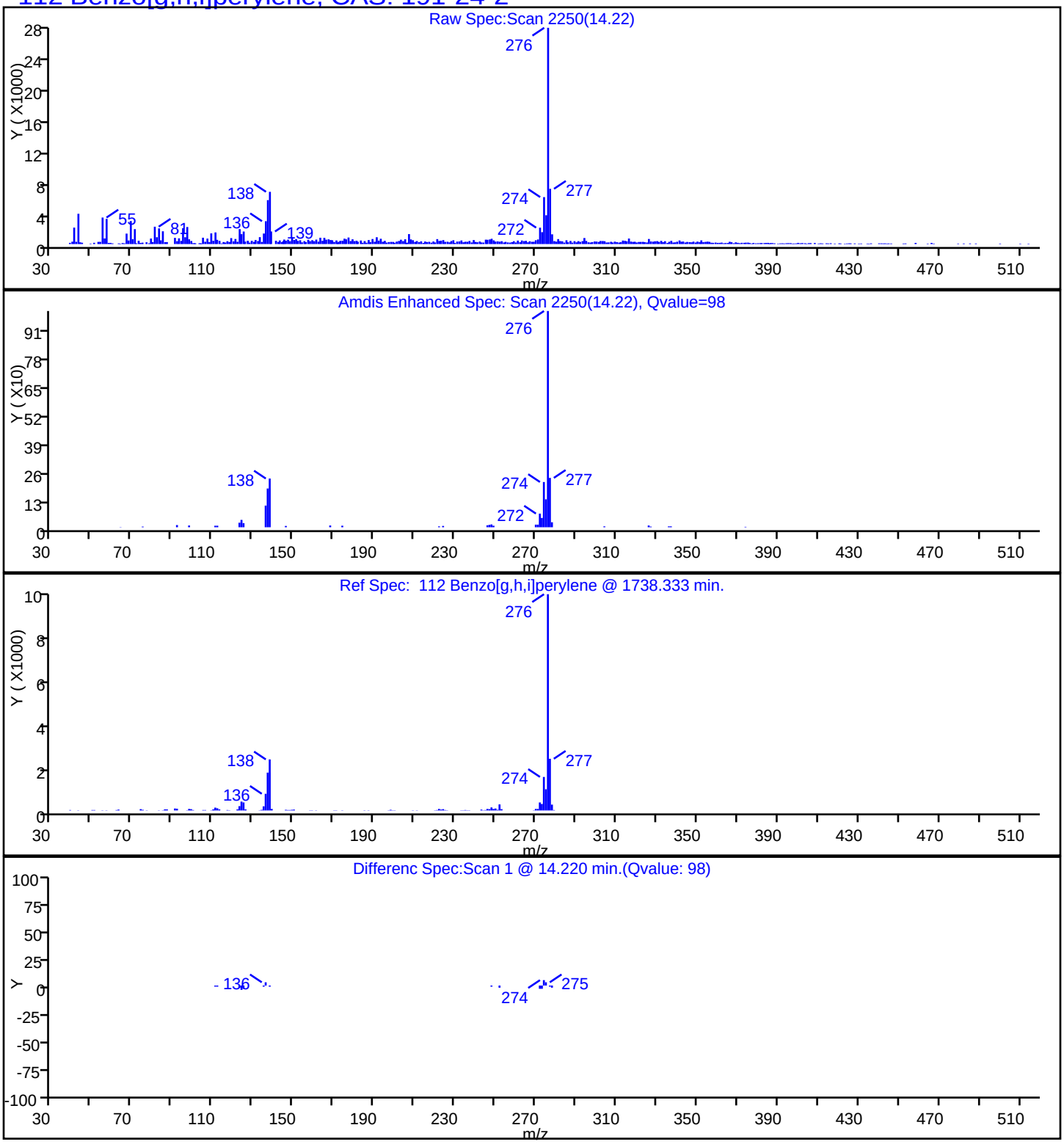
112 Benzo[g,h,i]perylene, CAS: 191-24-2



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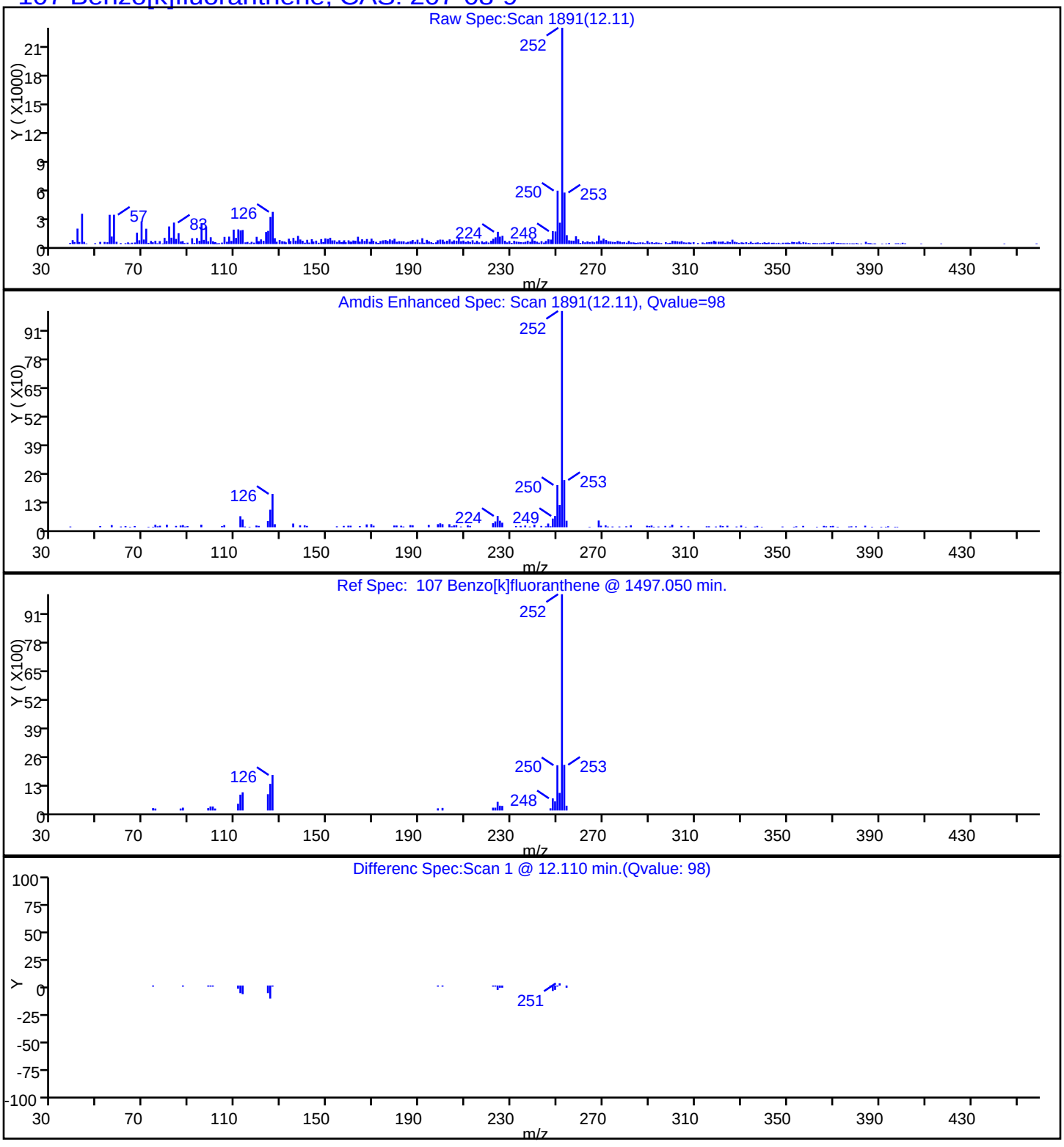
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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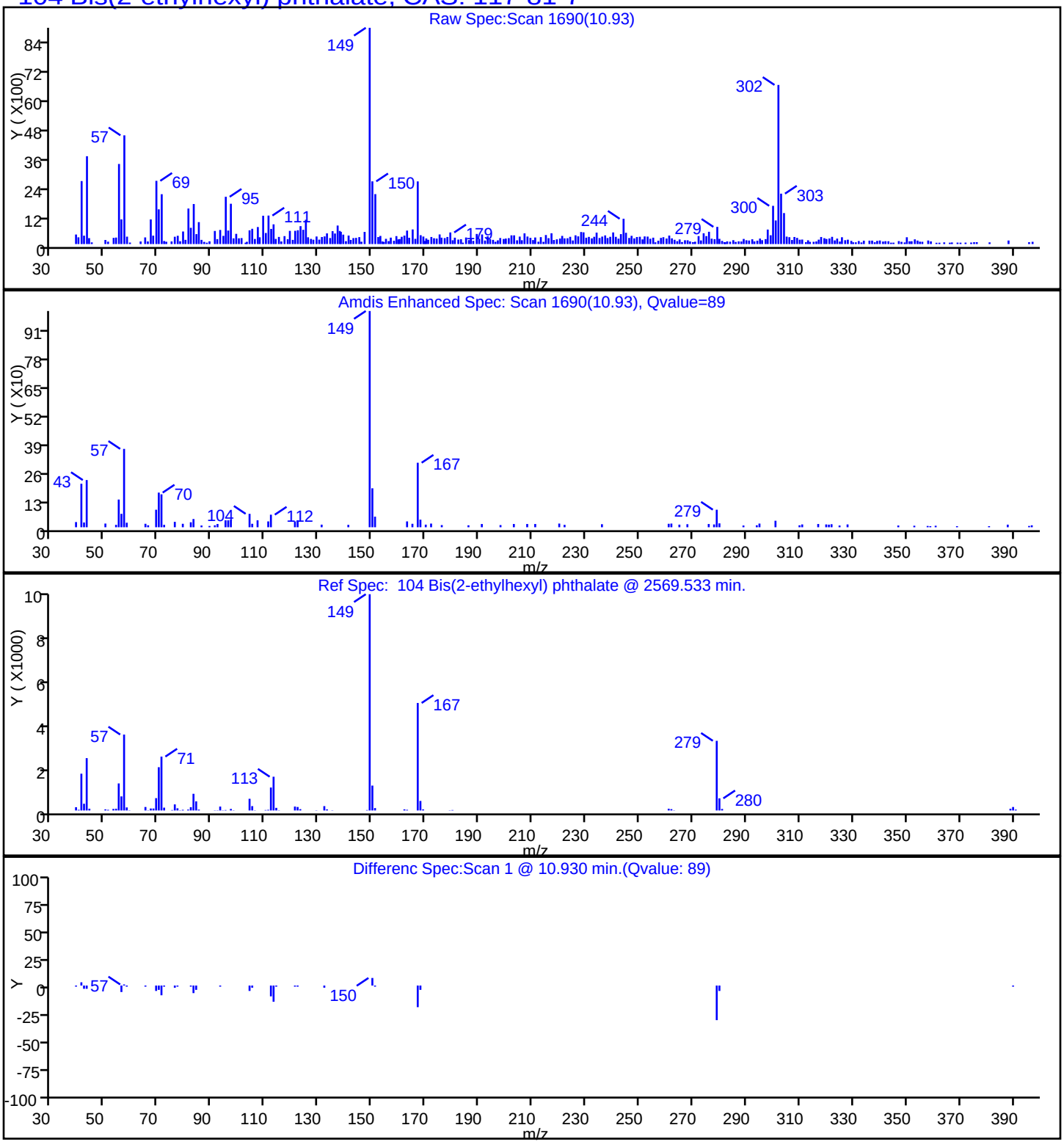
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



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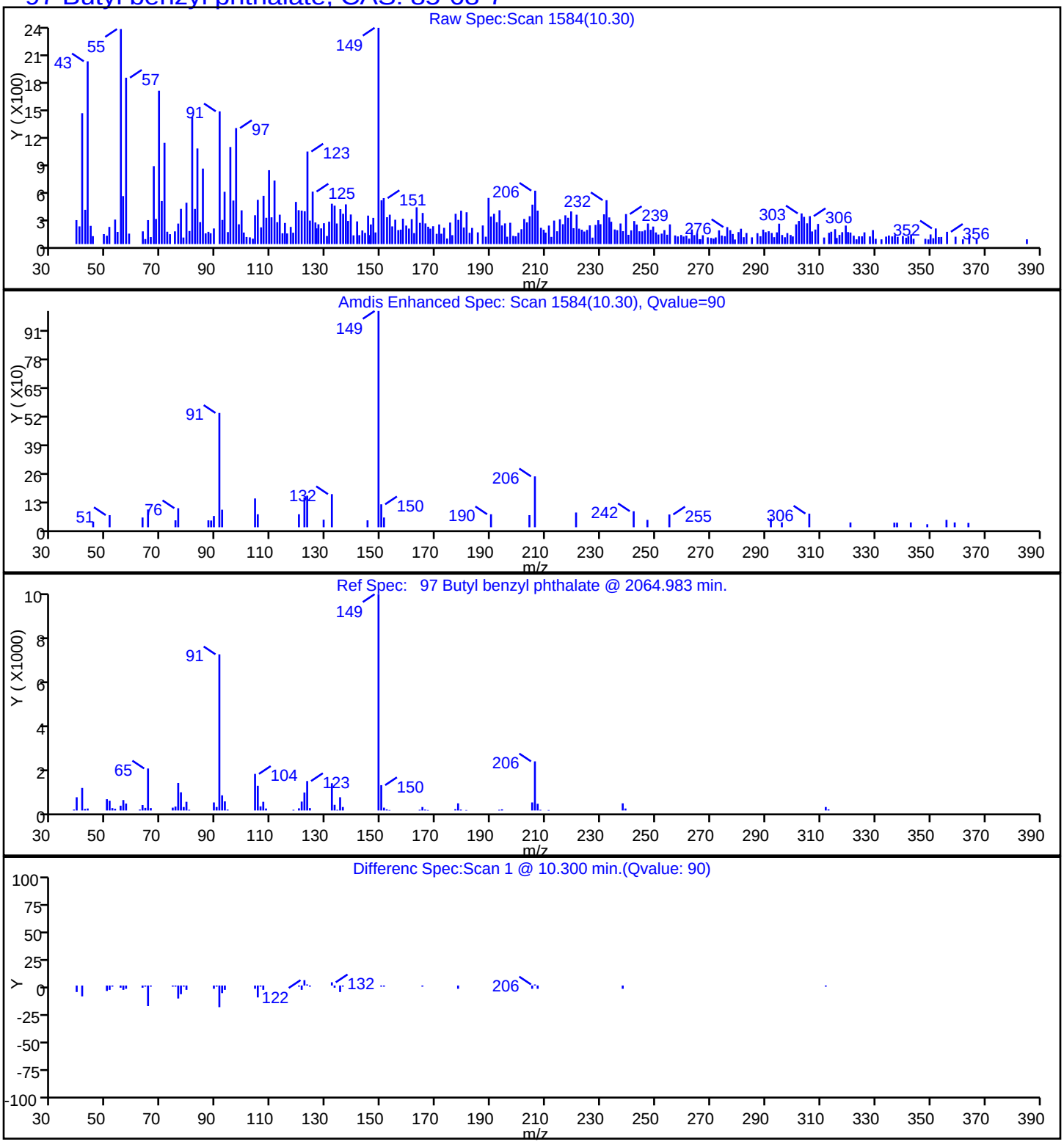
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

97 Butyl benzyl phthalate, CAS: 85-68-7



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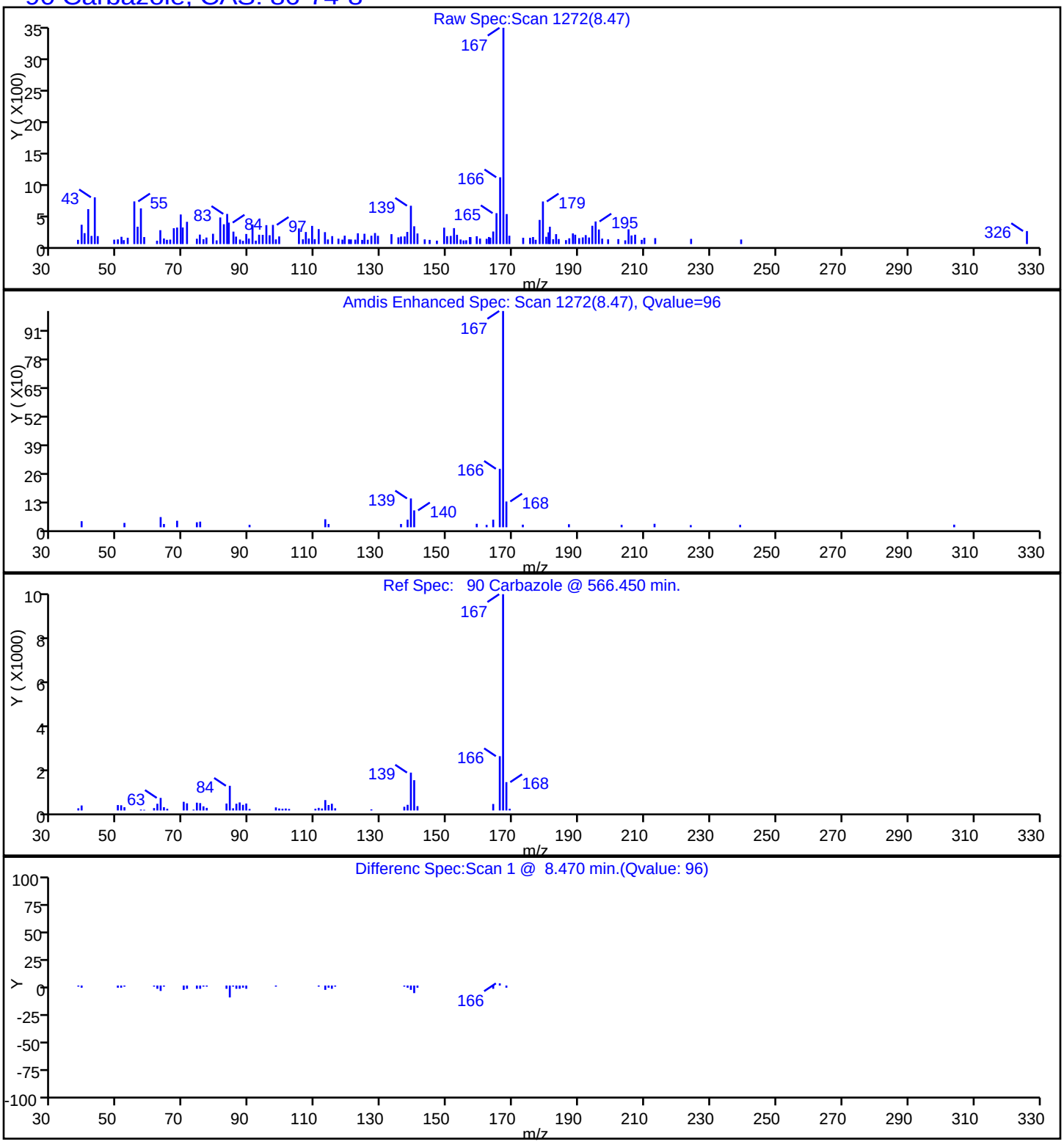
90 Carbazole, CAS: 86-74-8



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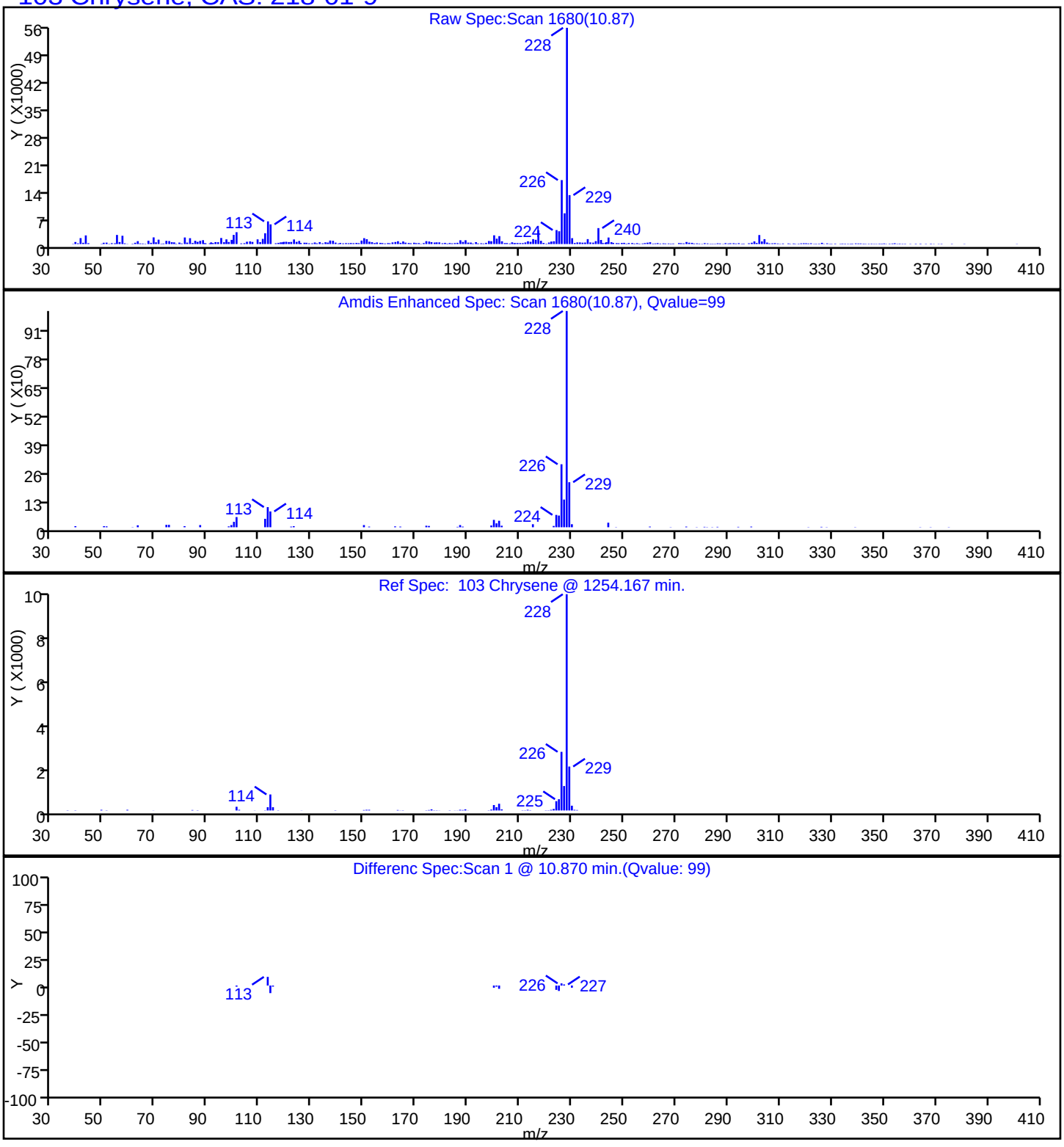
103 Chrysene, CAS: 218-01-9



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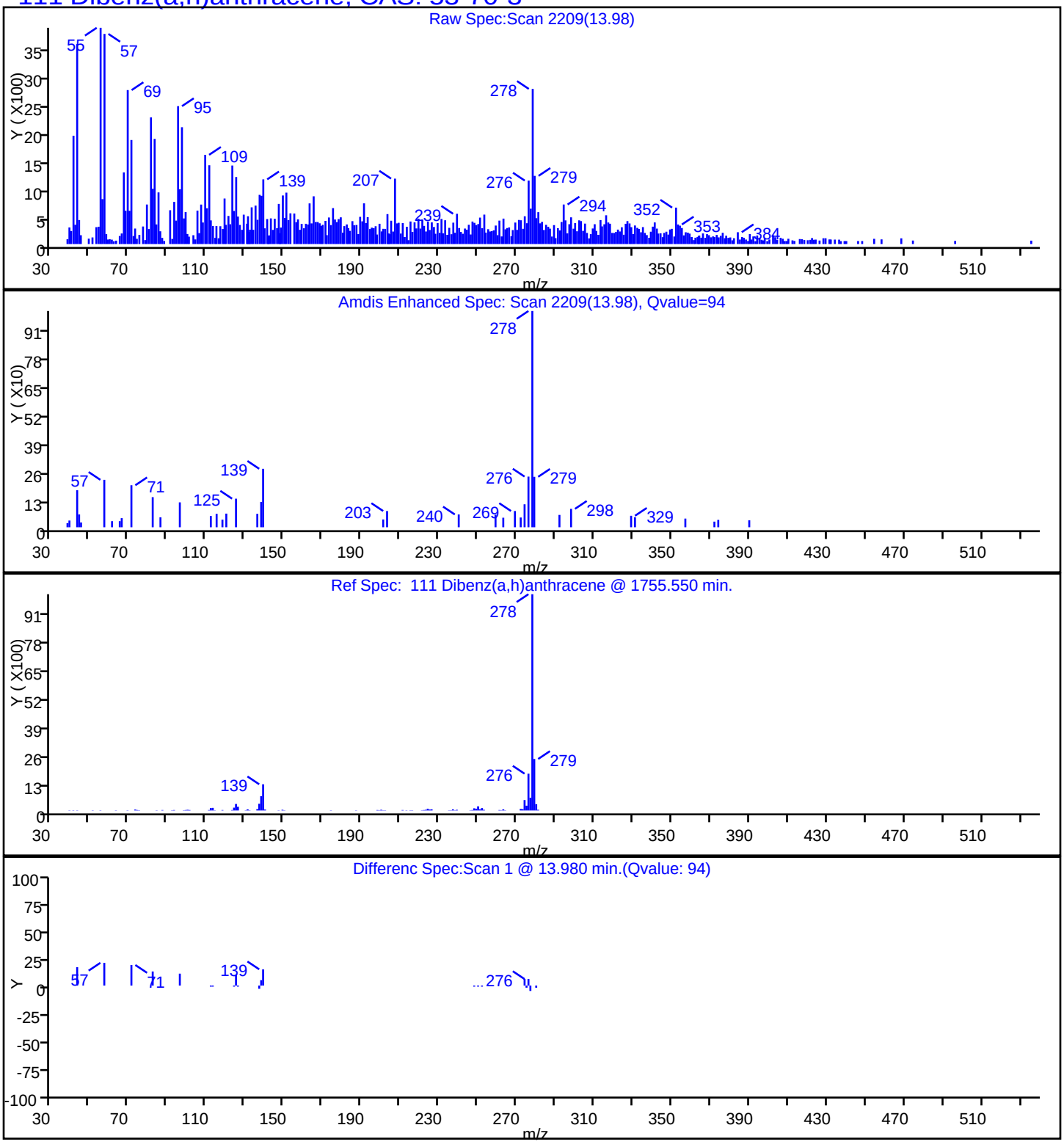
111 Dibenz(a,h)anthracene, CAS: 53-70-3



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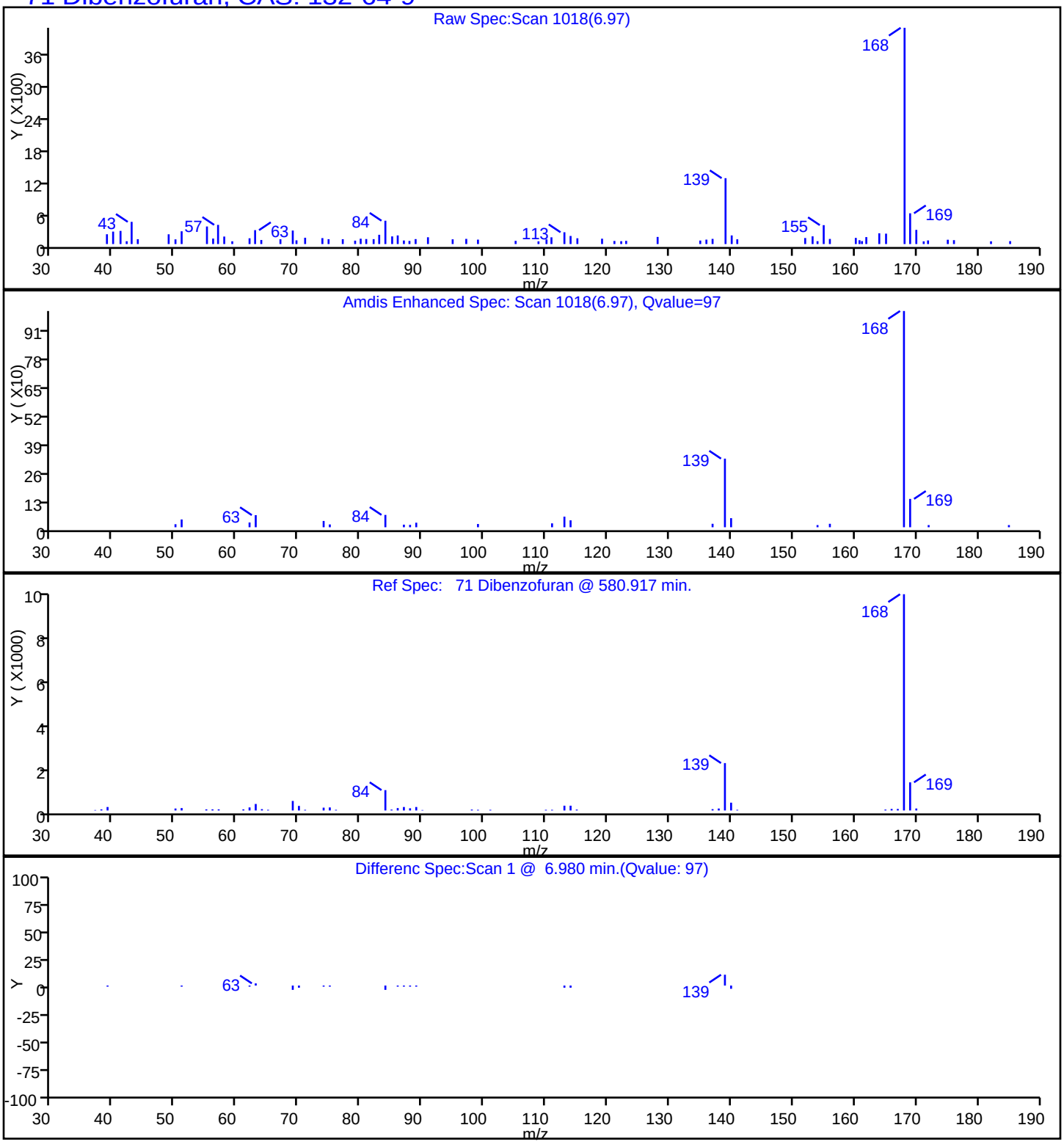
71 Dibenzofuran, CAS: 132-64-9



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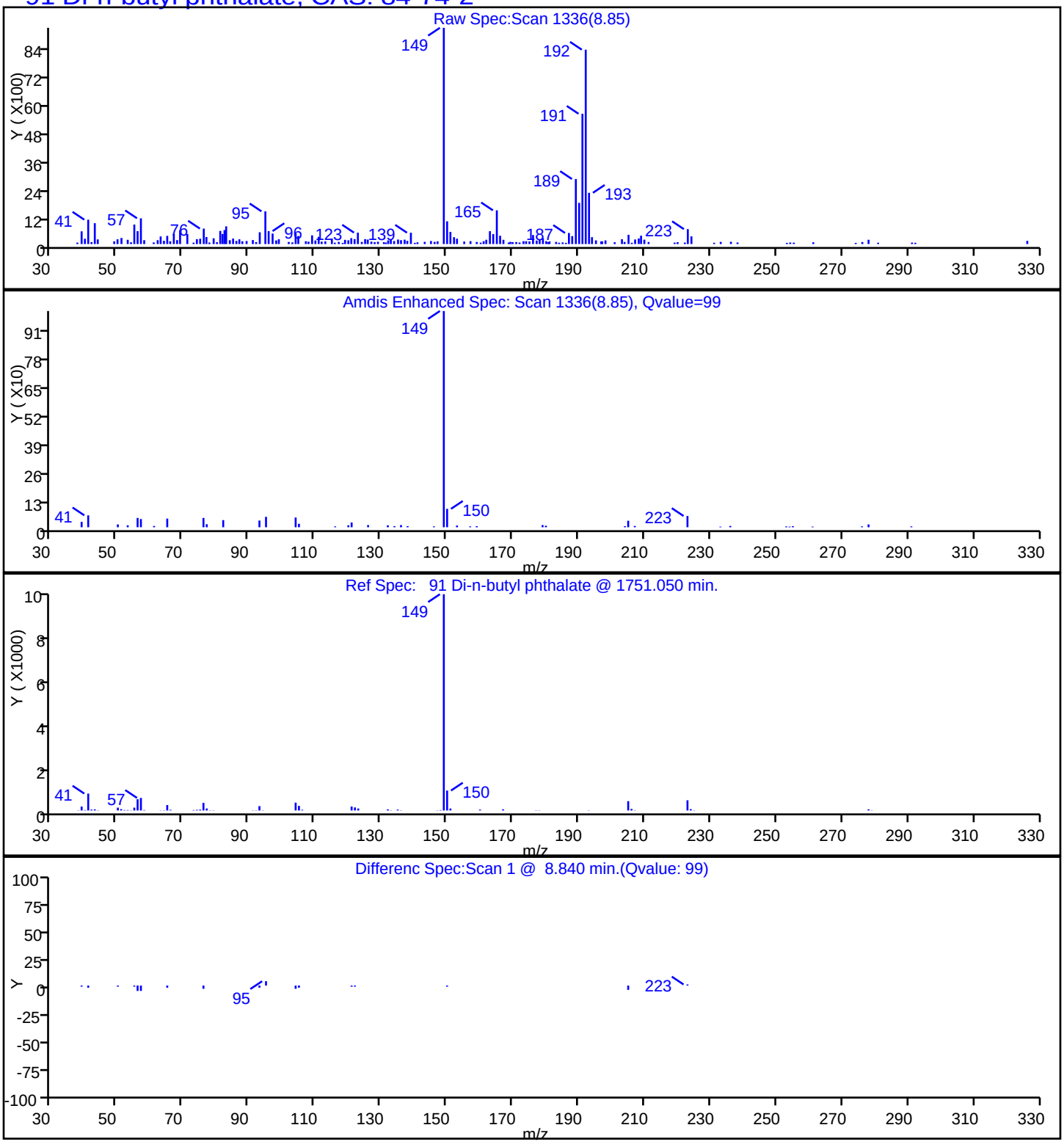
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Di-n-butyl phthalate, CAS: 84-74-2



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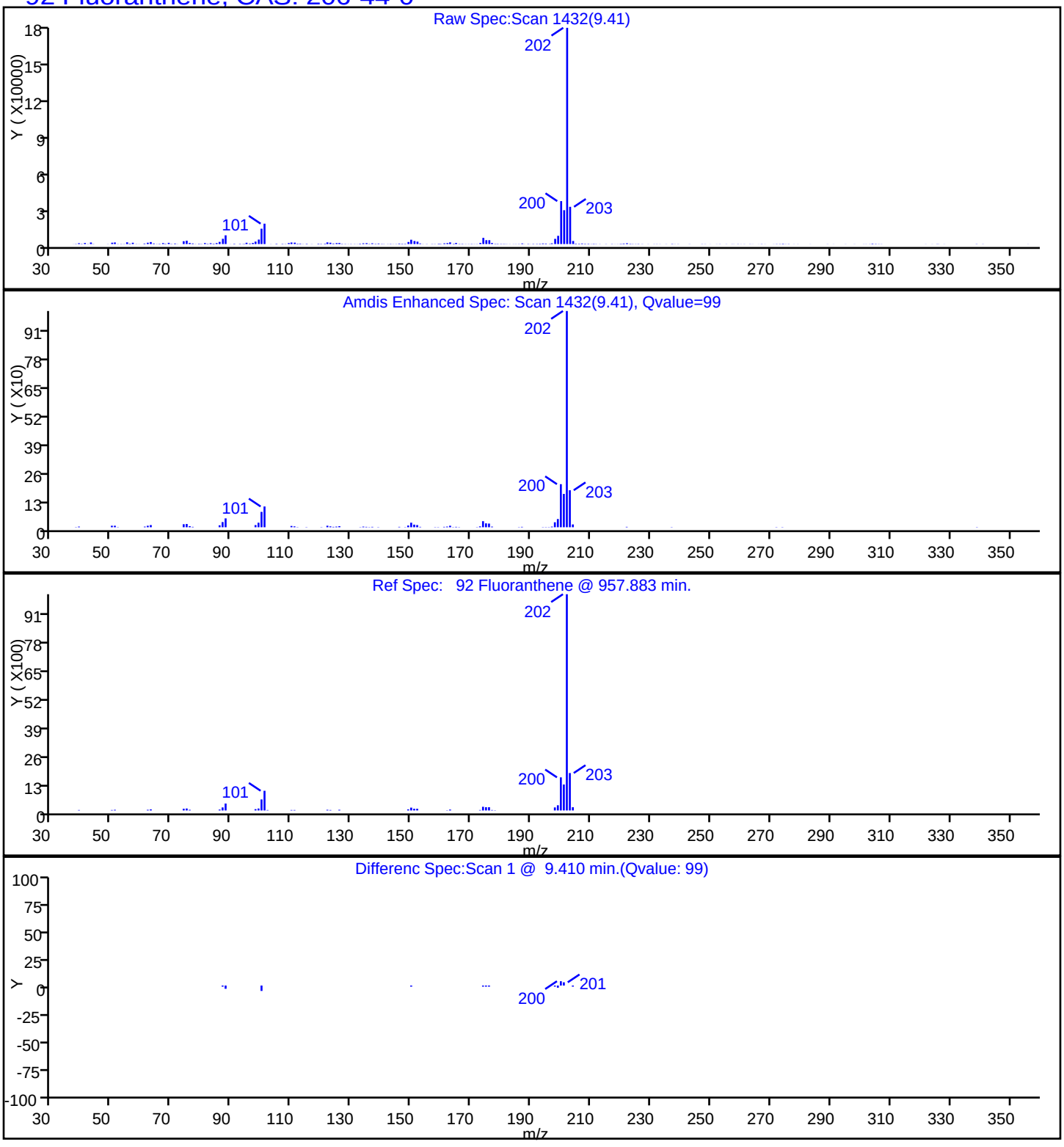
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0

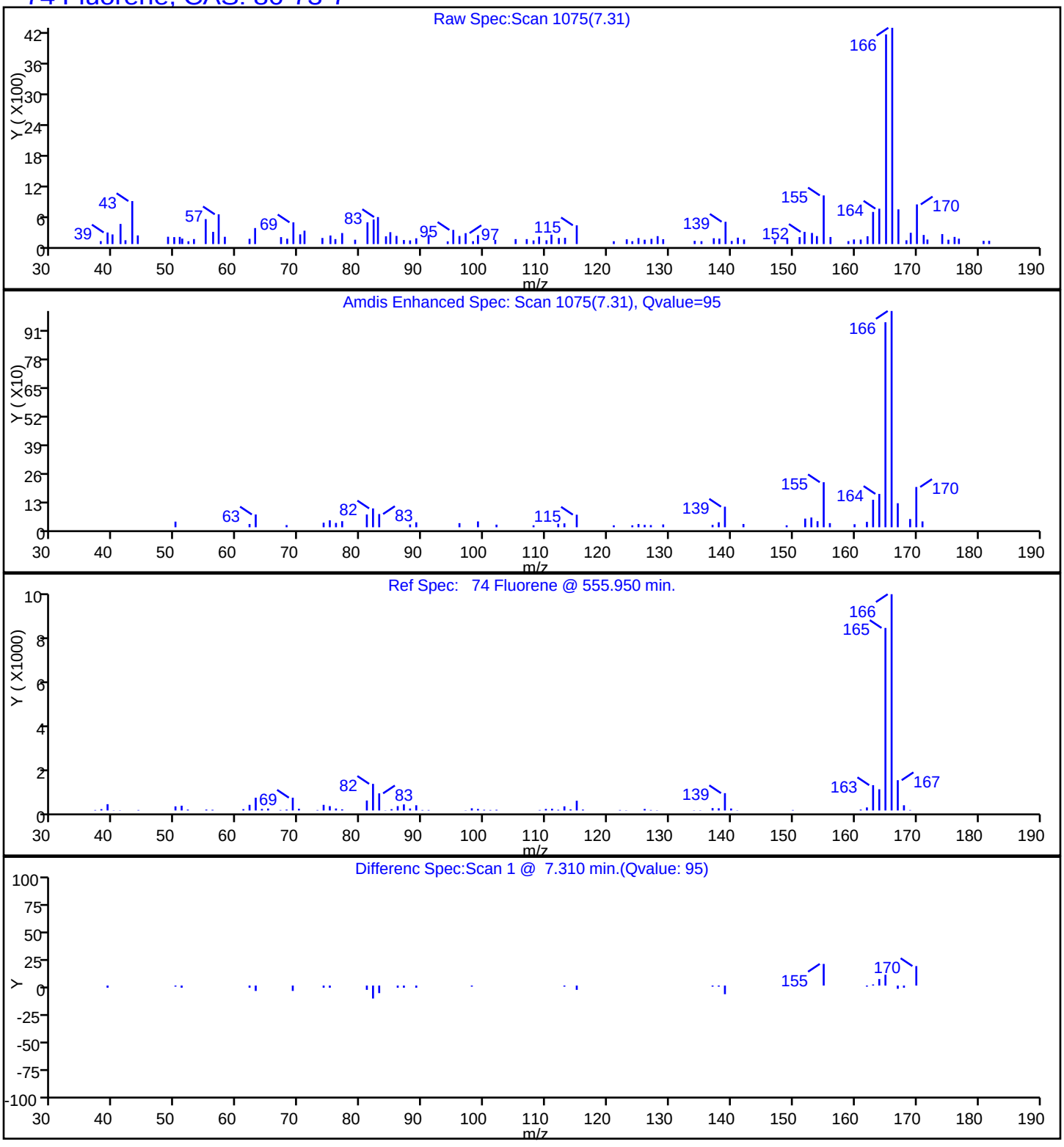


Report Date: 25-Aug-2016 08:55:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811452.D				
Injection Date:	24-Aug-2016 16:38:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-5-B	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7

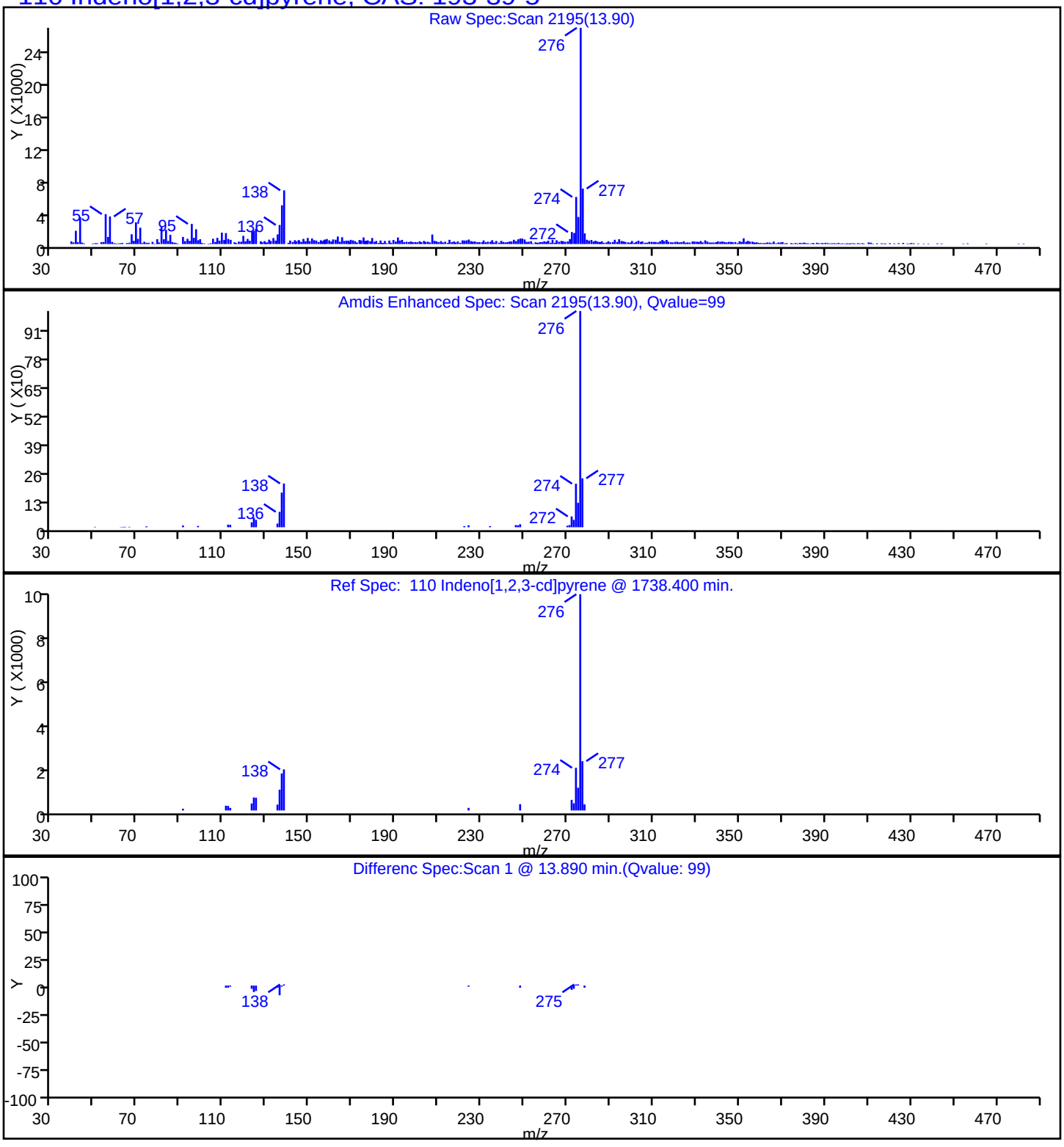


Report Date: 25-Aug-2016 08:55:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811452.D				
Injection Date:	24-Aug-2016 16:38:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-5-B	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

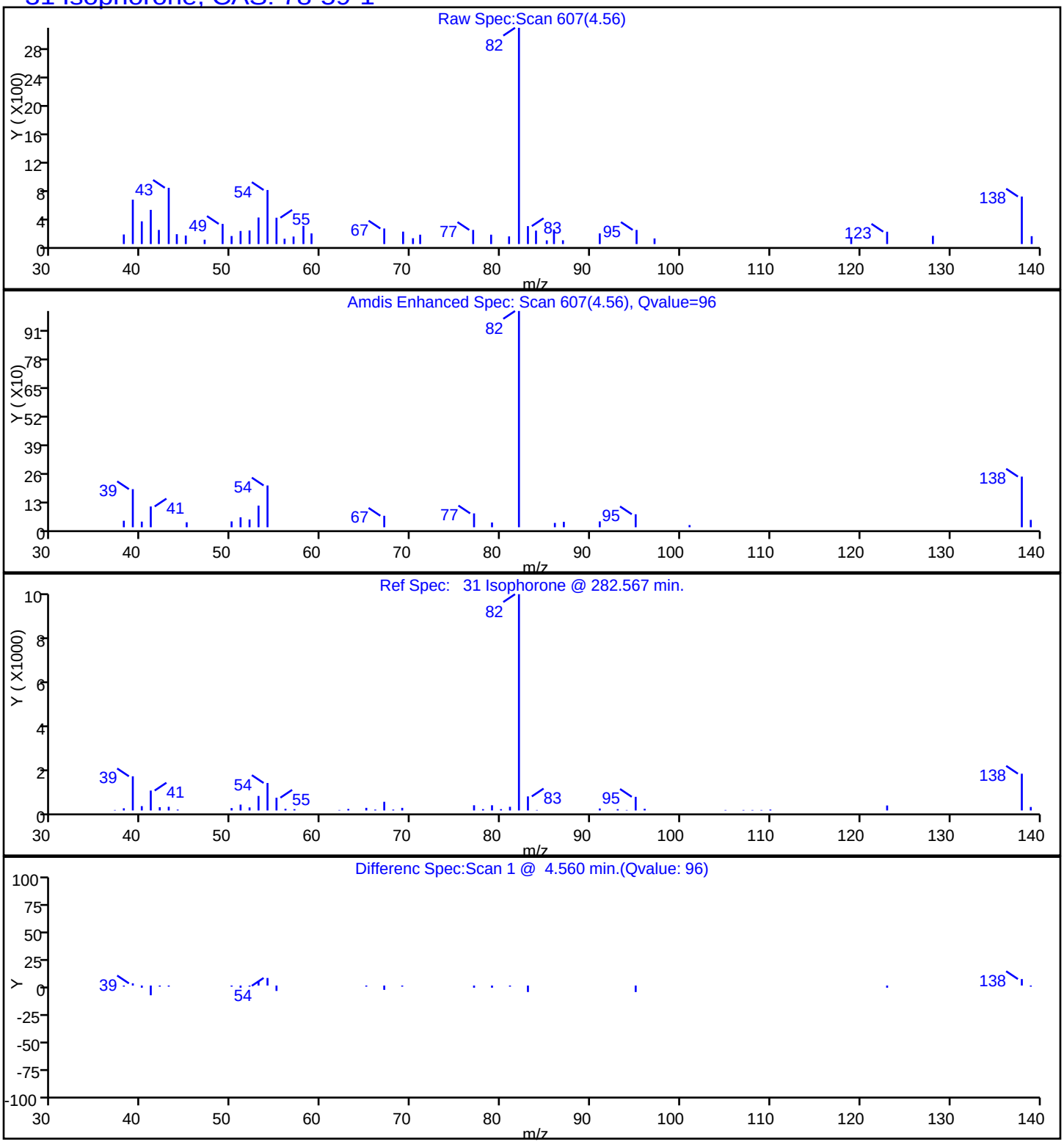


Report Date: 25-Aug-2016 08:55:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811452.D				
Injection Date:	24-Aug-2016 16:38:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-5-B	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

31 Isophorone, CAS: 78-59-1



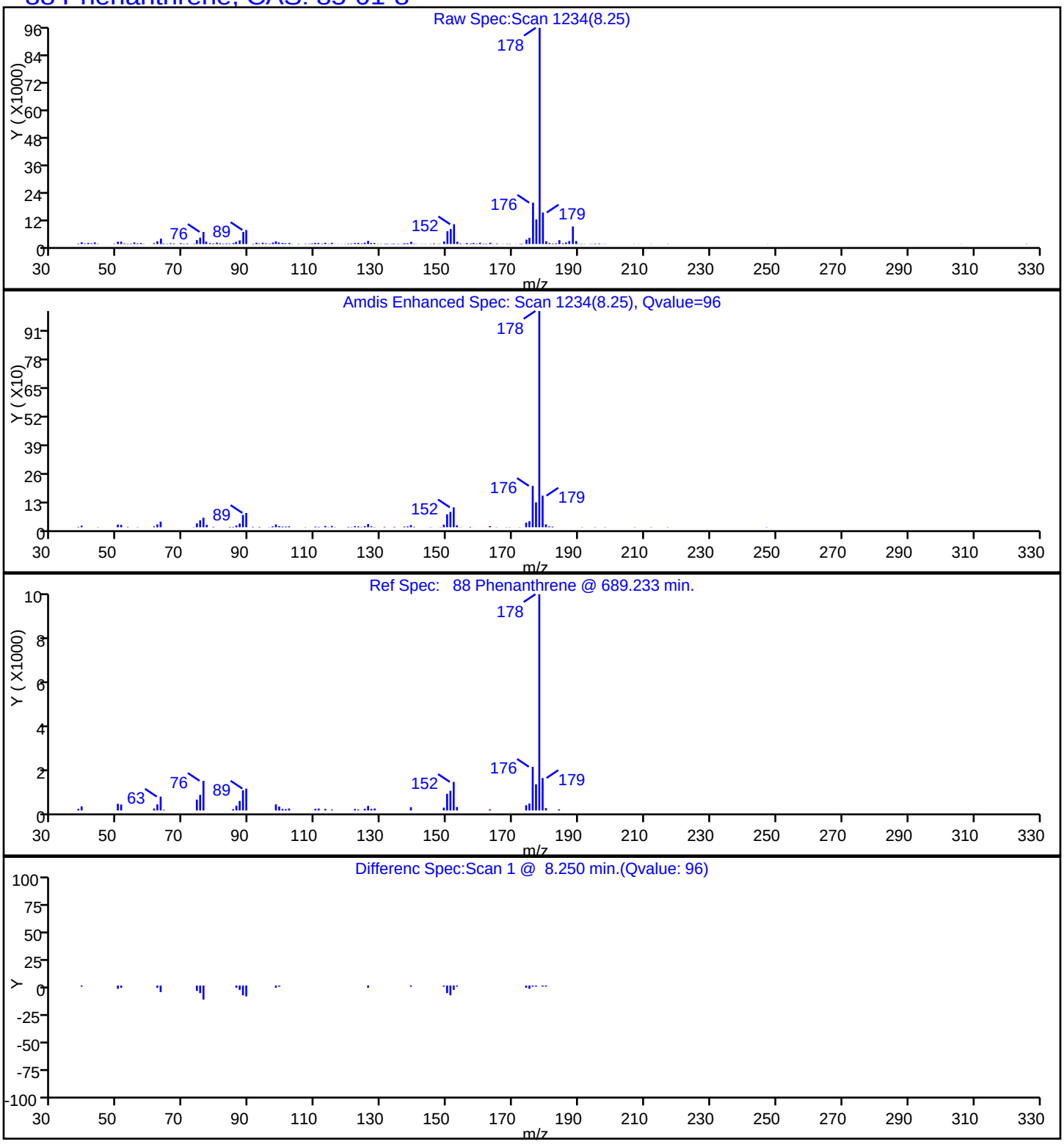
Report Date: 25-Aug-2016 08:55:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811452.D

Injection Date:	24-Aug-2016 16:38:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-5-B	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8



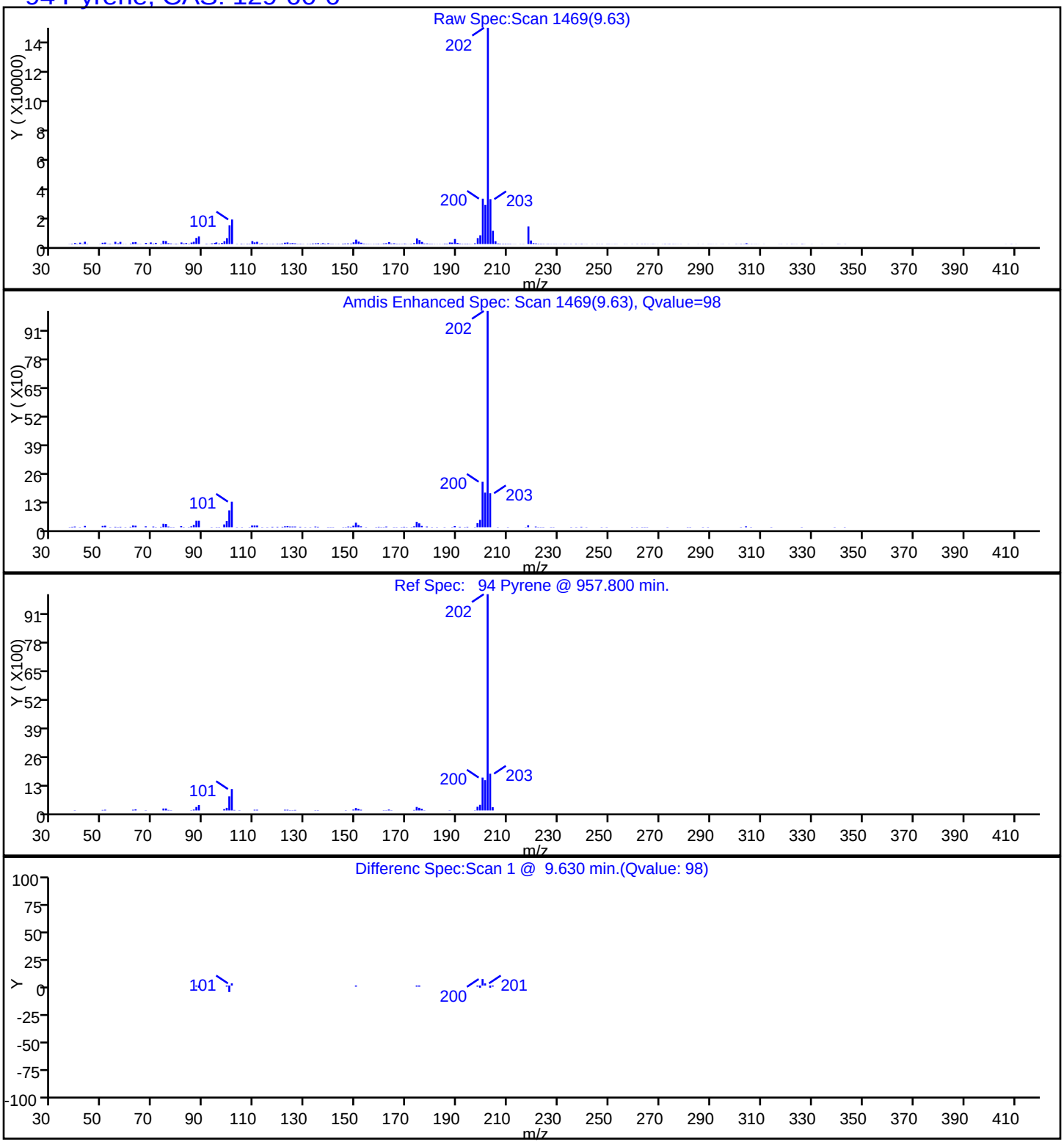
Report Date: 25-Aug-2016 08:55:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811452.D

Injection Date:	24-Aug-2016 16:38:30	Instrument ID:	CBNAMS11		
Lims ID:	460-118926-E-5-B	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(13-15)08192016 | Lab Sample ID: 460-118926-6

Matrix: Solid | Lab File ID: x17362.D

Analysis Method: 8270D | Date Collected: 08/19/2016 09:55

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0257(g) | Date Analyzed: 08/23/2016 13:27

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	35	U	35	7.7
95-50-1	1,2-Dichlorobenzene	350	U	350	12
541-73-1	1,3-Dichlorobenzene	350	U	350	27
106-46-7	1,4-Dichlorobenzene	350	U	350	27
108-60-1	2,2'-oxybis[1-chloropropane]	350	U	350	14
121-14-2	2,4-Dinitrotoluene	71	U	71	14
606-20-2	2,6-Dinitrotoluene	71	U	71	19
91-58-7	2-Chloronaphthalene	350	U	350	7.9
91-57-6	2-Methylnaphthalene	350	U	350	7.7
88-74-4	2-Nitroaniline	350	U	350	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	39
99-09-2	3-Nitroaniline	350	U	350	10
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
106-47-8	4-Chloroaniline	350	U	350	9.0
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	10
100-01-6	4-Nitroaniline	350	U	350	13
83-32-9	Acenaphthene	350	U	350	8.4
208-96-8	Acenaphthylene	350	U	350	9.0
120-12-7	Anthracene	350	U	350	33
56-55-3	Benzo[a]anthracene	35	U	35	29
50-32-8	Benzo[a]pyrene	35	U	35	11
205-99-2	Benzo[b]fluoranthene	35	U	35	14
191-24-2	Benzo[g,h,i]perylene	350	U	350	20
207-08-9	Benzo[k]fluoranthene	35	U	35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.2
117-81-7	Bis(2-ethylhexyl) phthalate	29	J	350	14
85-68-7	Butyl benzyl phthalate	350	U	350	11
86-74-8	Carbazole	350	U	350	8.6
218-01-9	Chrysene	350	U	350	9.5
53-70-3	Dibenz(a,h)anthracene	35	U	35	18
132-64-9	Dibenzofuran	350	U	350	11
84-66-2	Diethyl phthalate	350	U	350	9.9
131-11-3	Dimethyl phthalate	350	U	350	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(13-15)08192016 | Lab Sample ID: 460-118926-6

Matrix: Solid | Lab File ID: x17362.D

Analysis Method: 8270D | Date Collected: 08/19/2016 09:55

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0257(g) | Date Analyzed: 08/23/2016 13:27

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	19	J	350	10
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	350	U	350	10
86-73-7	Fluorene	350	U	350	7.6
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	71	U	71	9.8
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	35	U	35	23
78-59-1	Isophorone	140	U	140	7.5
91-20-3	Naphthalene	350	U	350	8.9
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	32
85-01-8	Phenanthrene	350	U	350	9.3
129-00-0	Pyrene	350	U	350	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	74		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	69		37-94
1718-51-0	Terphenyl-d14 (Surr)	80		24-109

Report Date: 24-Aug-2016 13:30:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17362.D
Lims ID: 460-118926-E-6-B
Client ID: SB-3(13-15)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 13:27:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-014
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 13:26:08 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: croccom Date: 23-Aug-2016 14:27:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.569	4.575	-0.006	96	551437	40.0	
$ 26 Nitrobenzene-d5	82	5.116	5.134	-0.018	85	722641	34.5	
* 38 Naphthalene-d8	136	5.845	5.857	-0.012	99	2020123	40.0	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1456979	37.0	
* 65 Acenaphthene-d10	164	7.598	7.610	-0.012	93	1028023	40.0	
* 88 Phenanthrene-d10	188	9.069	9.075	-0.006	98	1435976	40.0	
92 Di-n-butyl phthalate	149	9.628	9.633	-0.005	100	10272	0.2682	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	100	972544	39.8	
* 102 Chrysene-d12	240	11.898	11.904	-0.006	99	804567	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.910	11.916	-0.006	87	6334	0.4186	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	568671	40.0	

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

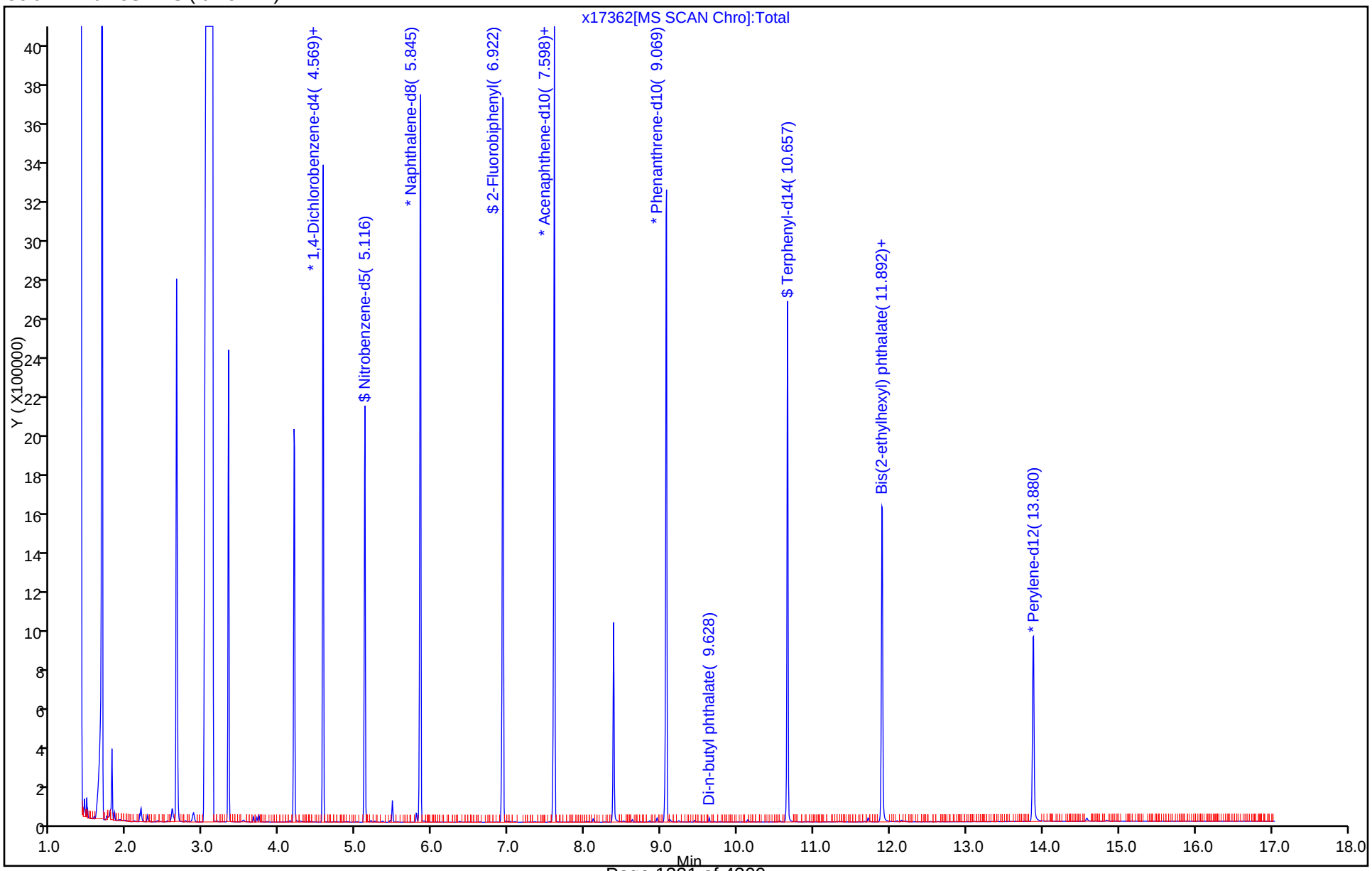
Report Date: 24-Aug-2016 13:30:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17362.D

Injection Date:	23-Aug-2016 13:27:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-118926-E-6-B	Lab Sample ID:	460-118926-6	Worklist Smp#:	14
Client ID:	SB-3(13-15)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



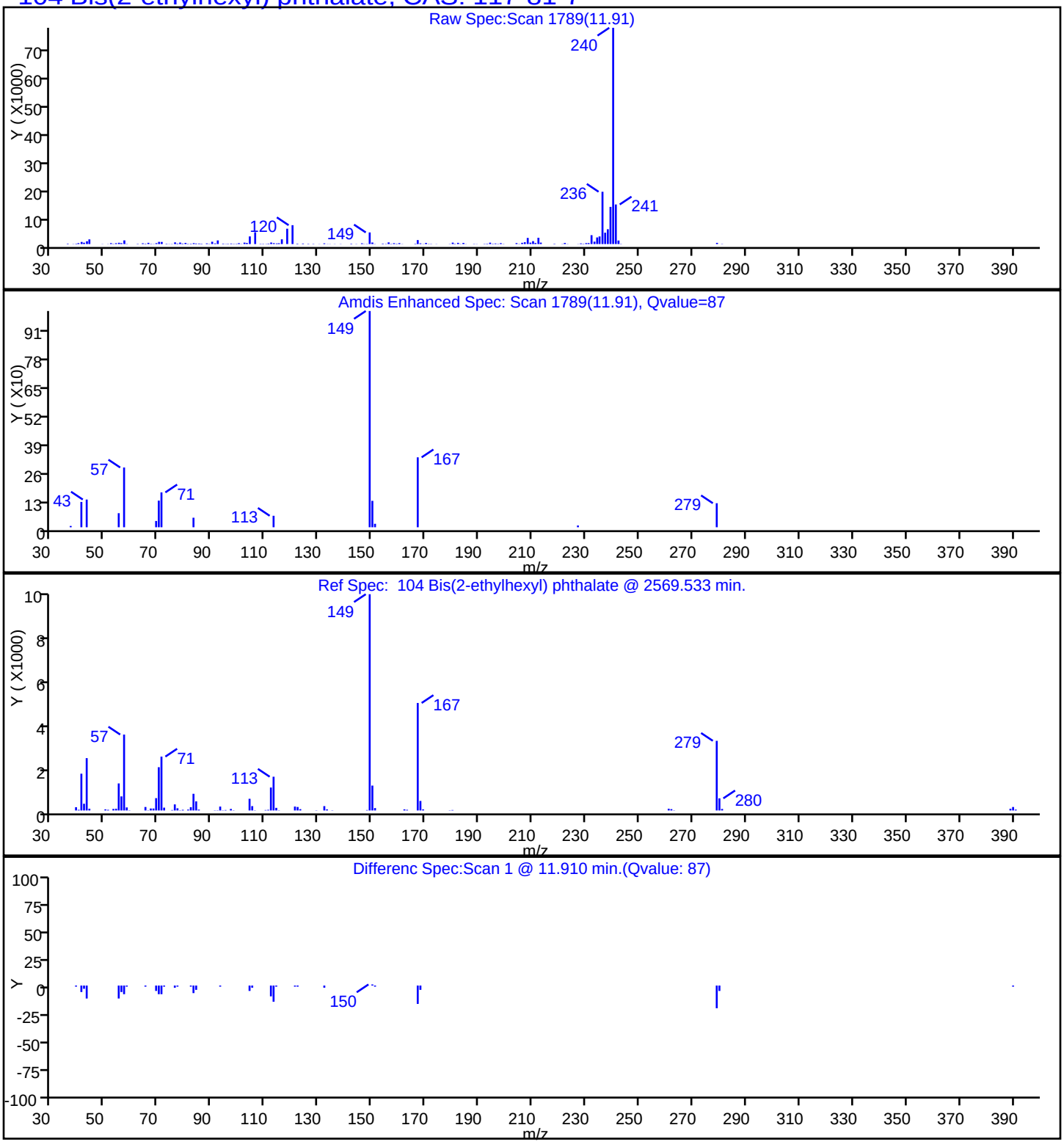
Report Date: 24-Aug-2016 13:30:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17362.D

Injection Date:	23-Aug-2016 13:27:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-6-B	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

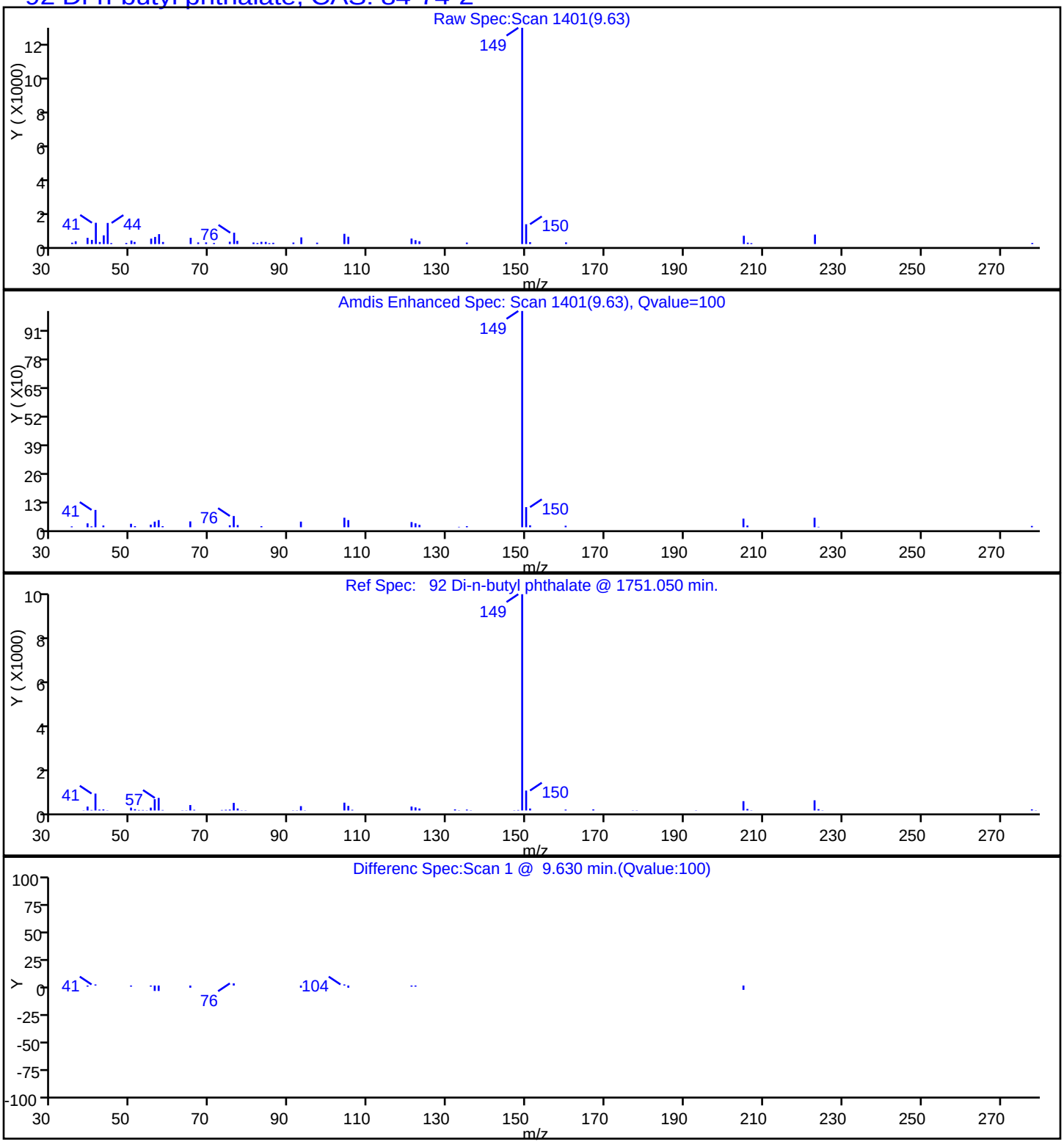


Report Date: 24-Aug-2016 13:30:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17362.D				
Injection Date:	23-Aug-2016 13:27:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-6-B	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Di-n-butyl phthalate, CAS: 84-74-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-X08192016 | Lab Sample ID: 460-118926-7

Matrix: Solid | Lab File ID: x17373.D

Analysis Method: 8270D | Date Collected: 08/19/2016 00:00

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0238(g) | Date Analyzed: 08/23/2016 17:41

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	35	U	35	7.7
95-50-1	1,2-Dichlorobenzene	350	U	350	12
541-73-1	1,3-Dichlorobenzene	350	U	350	27
106-46-7	1,4-Dichlorobenzene	350	U	350	27
108-60-1	2,2'-oxybis[1-chloropropane]	350	U	350	14
121-14-2	2,4-Dinitrotoluene	71	U	71	14
606-20-2	2,6-Dinitrotoluene	71	U	71	19
91-58-7	2-Chloronaphthalene	350	U	350	8.0
91-57-6	2-Methylnaphthalene	12	J	350	7.7
88-74-4	2-Nitroaniline	350	U	350	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	39
99-09-2	3-Nitroaniline	350	U	350	10
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
106-47-8	4-Chloroaniline	350	U	350	9.0
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	10
100-01-6	4-Nitroaniline	350	U	350	13
83-32-9	Acenaphthene	27	J	350	8.5
208-96-8	Acenaphthylene	18	J	350	9.0
120-12-7	Anthracene	100	J	350	33
56-55-3	Benzo[a]anthracene	780		35	29
50-32-8	Benzo[a]pyrene	780		35	11
205-99-2	Benzo[b]fluoranthene	1100		35	14
191-24-2	Benzo[g,h,i]perylene	620		350	20
207-08-9	Benzo[k]fluoranthene	430		35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.3
117-81-7	Bis(2-ethylhexyl) phthalate	45	J	350	14
85-68-7	Butyl benzyl phthalate	350	U	350	11
86-74-8	Carbazole	46	J	350	8.7
218-01-9	Chrysene	820		350	9.5
53-70-3	Dibenz(a,h)anthracene	140		35	18
132-64-9	Dibenzofuran	15	J	350	11
84-66-2	Diethyl phthalate	350	U	350	10
131-11-3	Dimethyl phthalate	350	U	350	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-X08192016 | Lab Sample ID: 460-118926-7

Matrix: Solid | Lab File ID: x17373.D

Analysis Method: 8270D | Date Collected: 08/19/2016 00:00

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0238(g) | Date Analyzed: 08/23/2016 17:41

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	20	J	350	10
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	1300		350	10
86-73-7	Fluorene	26	J	350	7.6
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	71	U	71	9.9
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	640		35	23
78-59-1	Isophorone	140	U	140	7.5
91-20-3	Naphthalene	19	J	350	8.9
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	32
85-01-8	Phenanthrene	420		350	9.3
129-00-0	Pyrene	1300		350	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	79		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	70		37-94
1718-51-0	Terphenyl-d14 (Surr)	83		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17373.D
Lims ID: 460-118926-E-7-A
Client ID: SB-X08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:41:30 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-025
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 18:34:54 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: bayoumiw Date: 24-Aug-2016 18:34:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	96	528528	40.0	
$ 26 Nitrobenzene-d5	82	5.116	5.134	-0.018	86	661960	35.0	
* 38 Naphthalene-d8	136	5.845	5.857	-0.012	99	1823211	40.0	
39 Naphthalene	128	5.863	5.875	-0.012	99	13058	0.2737	
44 2-Methylnaphthalene	142	6.557	6.569	-0.012	88	5173	0.1728	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1342248	39.3	
61 Acenaphthylene	152	7.457	7.469	-0.012	98	9786	0.2517	
* 65 Acenaphthene-d10	164	7.598	7.610	-0.012	93	889850	40.0	
67 Acenaphthene	154	7.628	7.639	-0.011	93	9843	0.3791	
71 Dibenzofuran	168	7.798	7.810	-0.012	95	7815	0.2172	
75 Fluorene	166	8.139	8.151	-0.012	96	9966	0.3625	
* 88 Phenanthrene-d10	188	9.063	9.075	-0.012	98	1139540	40.0	
89 Phenanthrene	178	9.086	9.098	-0.012	97	190509	5.93	
90 Anthracene	178	9.133	9.151	-0.018	99	46476	1.41	
91 Carbazole	167	9.292	9.298	-0.006	95	16927	0.6436	
92 Di-n-butyl phthalate	149	9.627	9.633	-0.006	99	8802	0.2896	
93 Fluoranthene	202	10.263	10.269	-0.006	98	498157	18.0	
95 Pyrene	202	10.498	10.504	-0.006	98	452368	18.3	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	99	784469	41.5	
101 Benzo[a]anthracene	228	11.880	11.892	-0.012	98	193244	11.0	
* 102 Chrysene-d12	240	11.898	11.904	-0.006	99	622511	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.910	11.916	-0.006	88	7439	0.6354	
103 Chrysene	228	11.927	11.939	-0.012	99	194601	11.6	
106 Benzo[b]fluoranthene	252	13.339	13.345	-0.006	98	216045	15.6	
107 Benzo[k]fluoranthene	252	13.374	13.386	-0.012	1	95128	6.09	
108 Benzo[a]pyrene	252	13.792	13.804	-0.012	98	136697	11.0	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	495880	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.498	15.515	-0.017	99	96271	8.99	
111 Dibenz(a,h)anthracene	278	15.533	15.551	-0.018	93	22694	2.05	
112 Benzo[g,h,i]perylene	276	15.956	15.980	-0.024	98	95318	8.76	

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

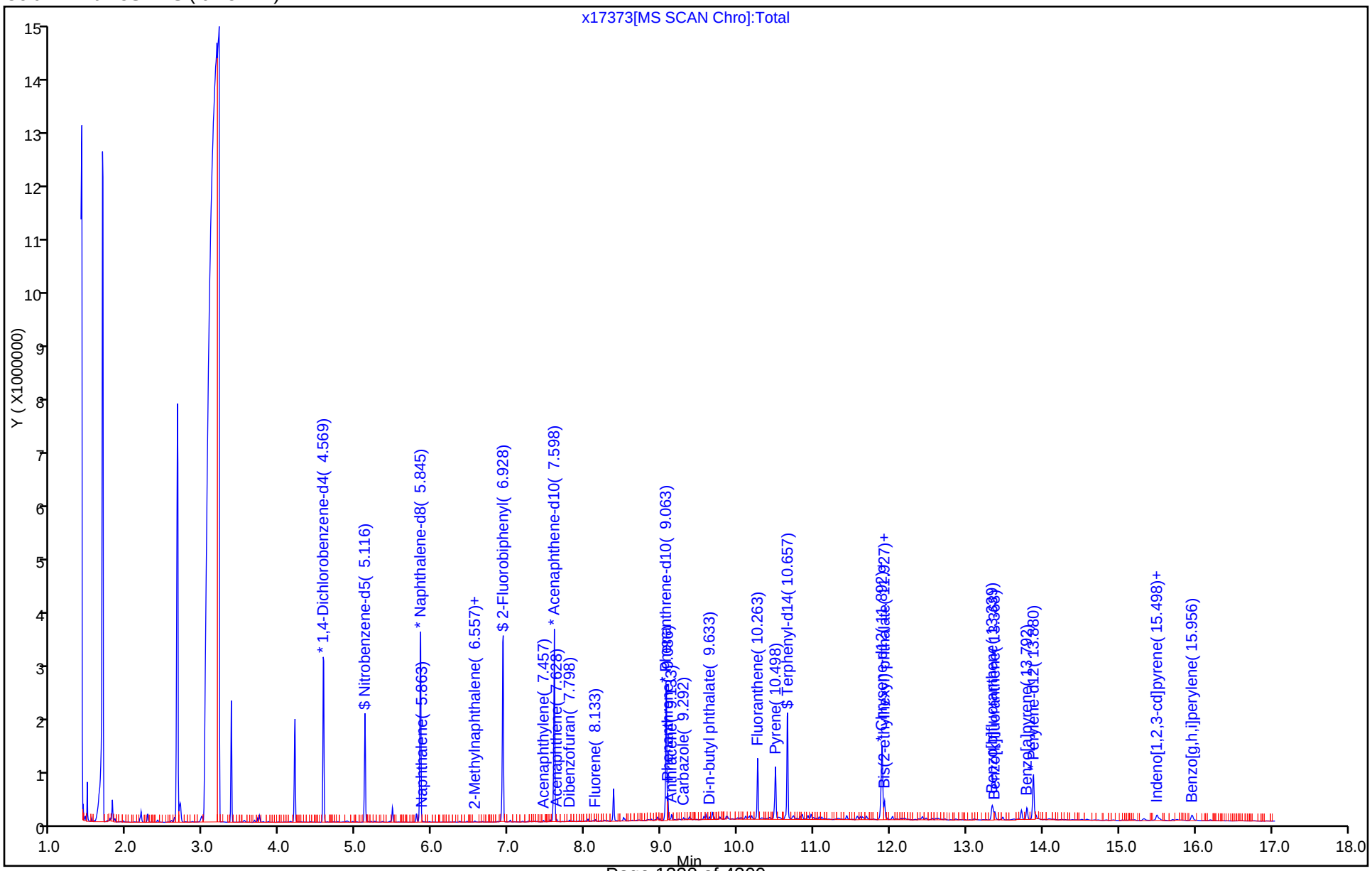
Report Date: 24-Aug-2016 18:35:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17373.D

Injection Date:	23-Aug-2016 17:41:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-118926-E-7-A	Lab Sample ID:	460-118926-7	Worklist Smp#:	25
Client ID:	SB-X08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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TestAmerica Edison

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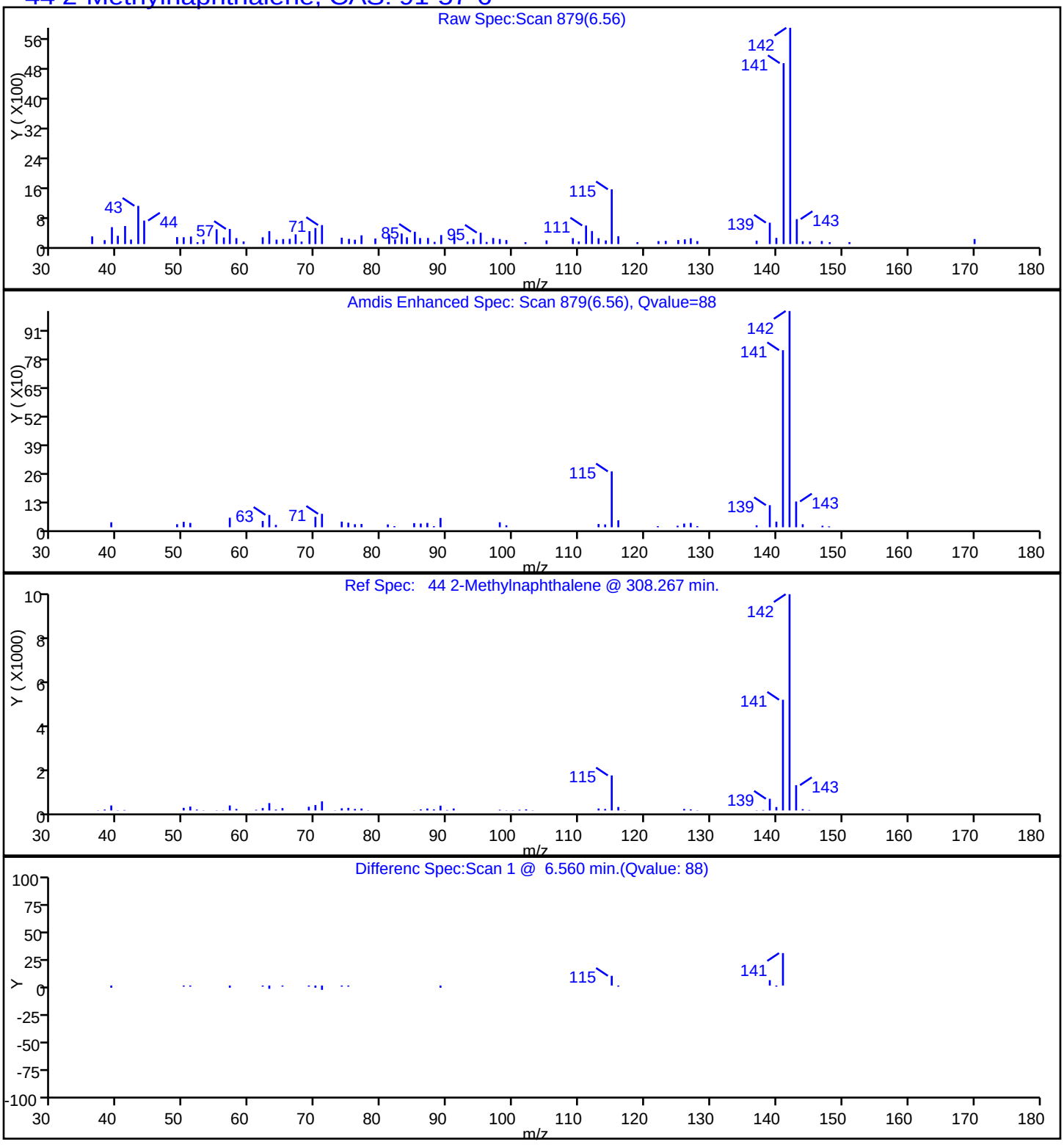
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



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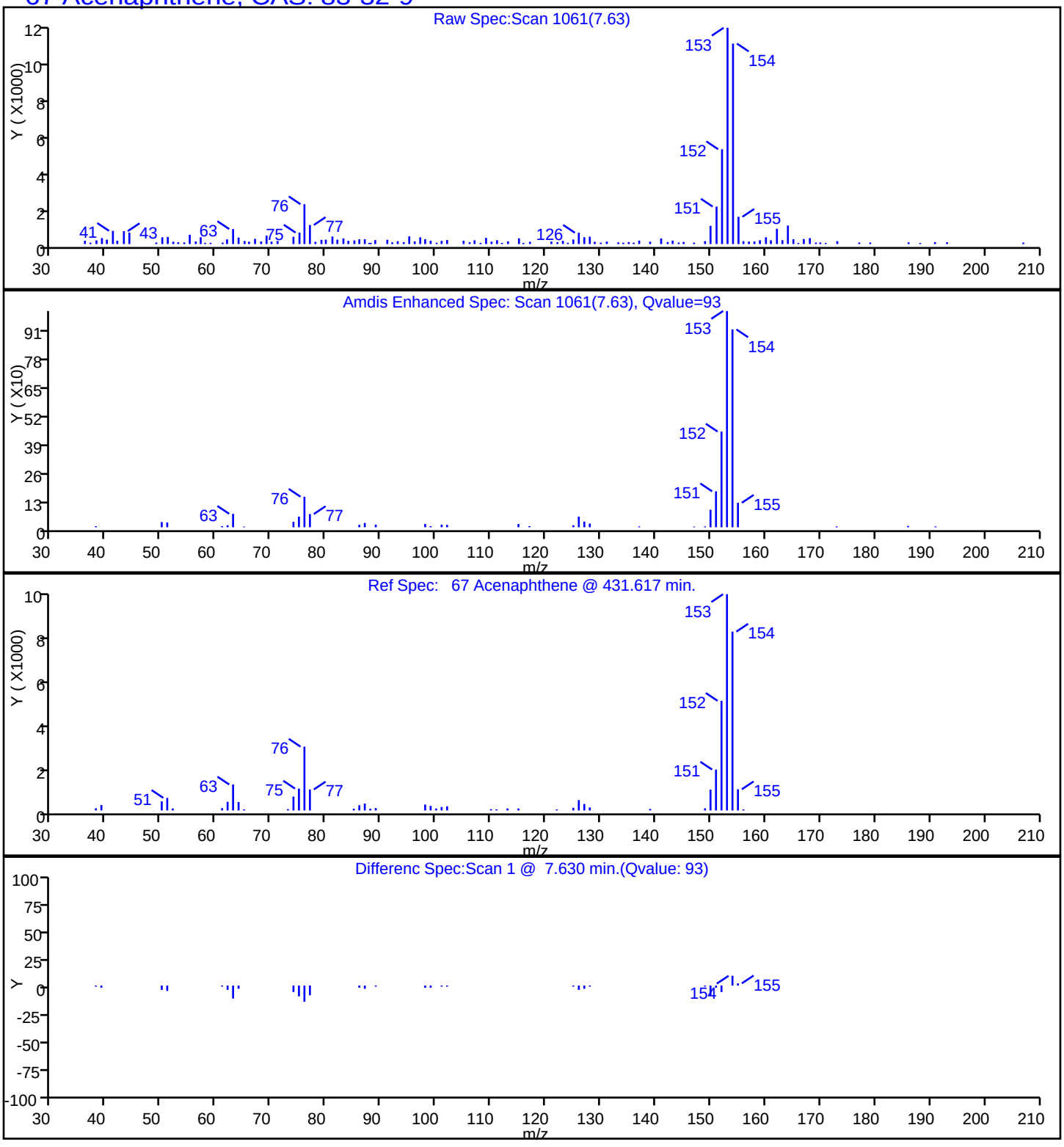
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9



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Client ID:	SB-X08192016				
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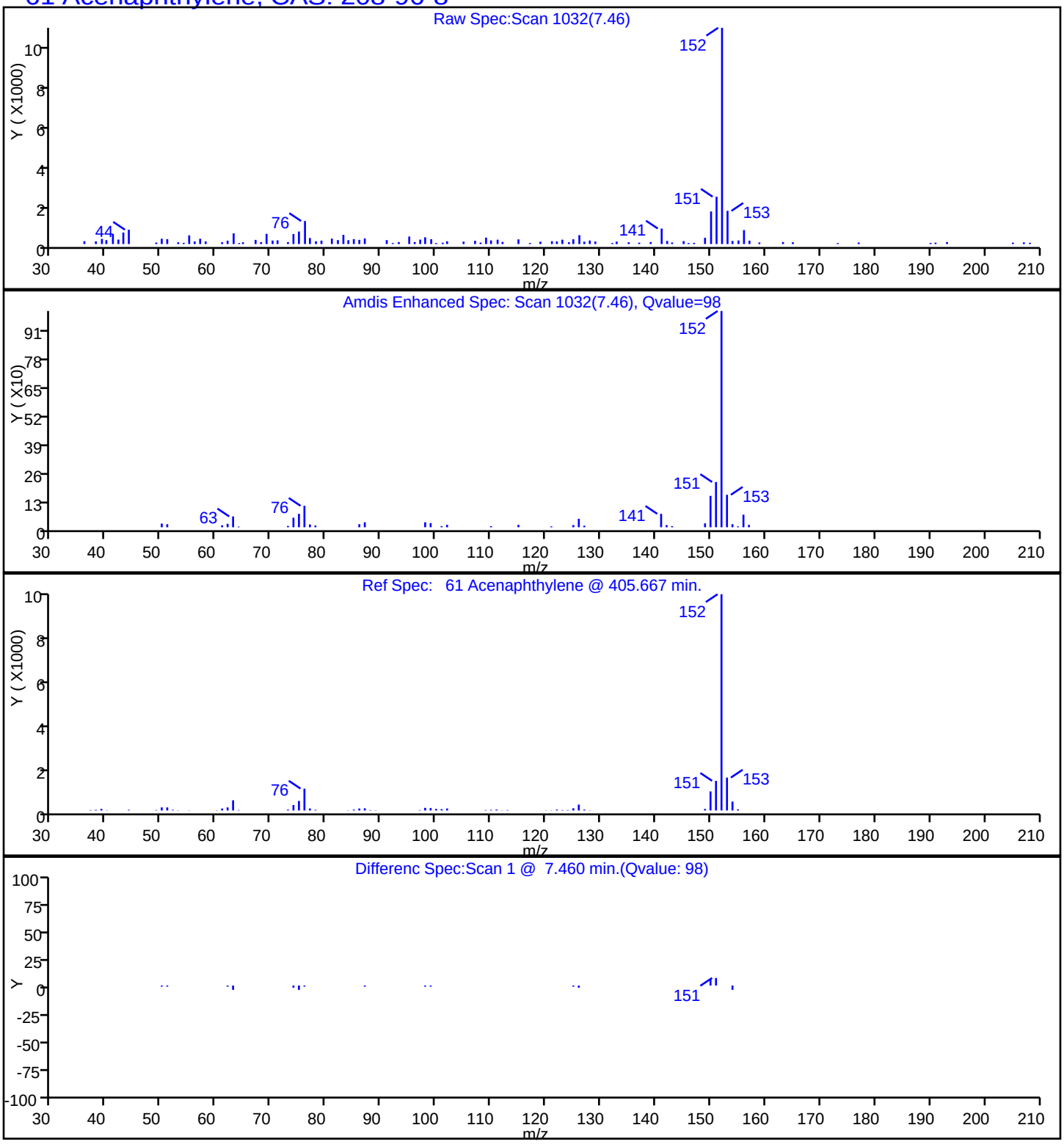
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8



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Client ID:	SB-X08192016				
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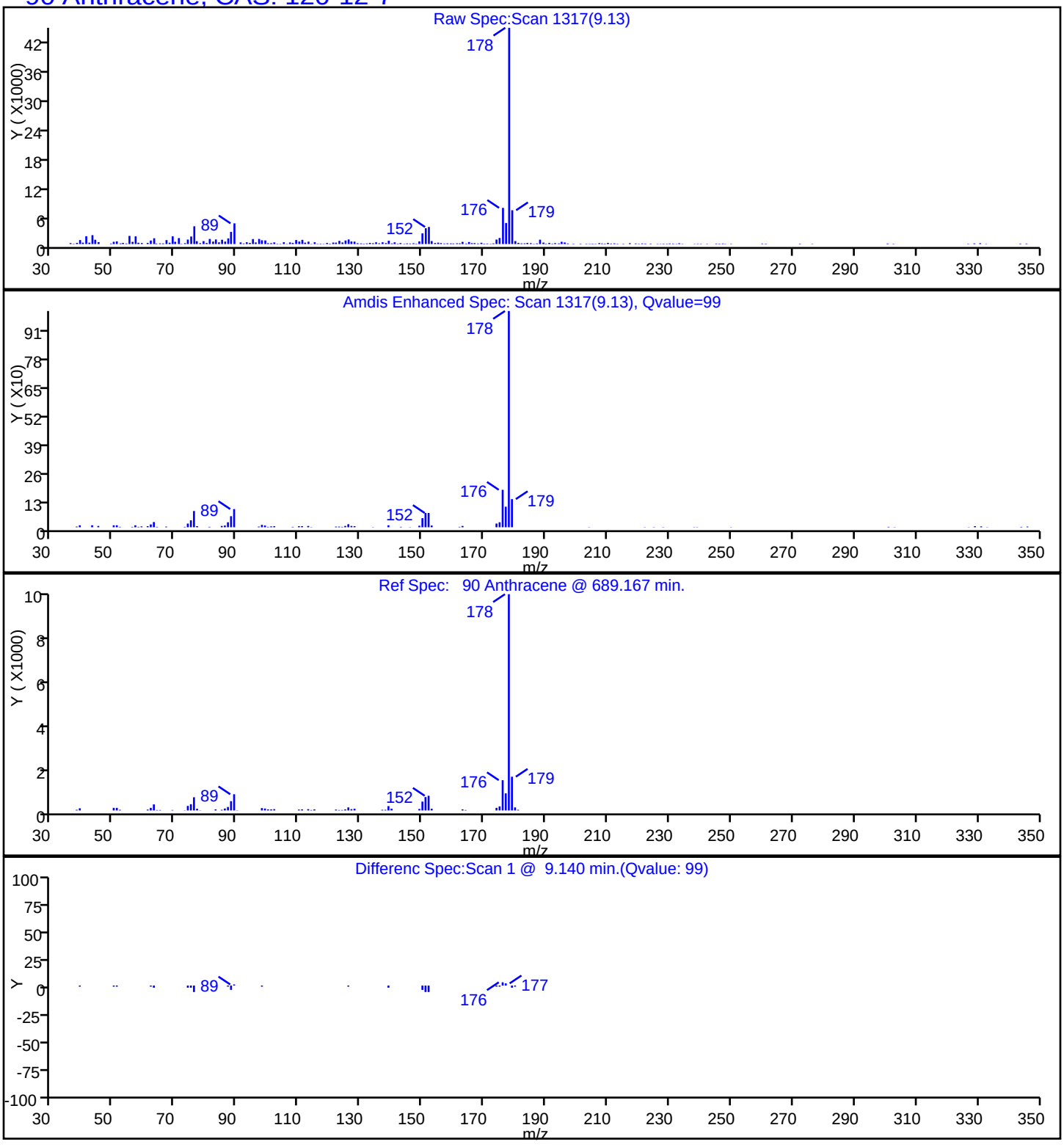
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7



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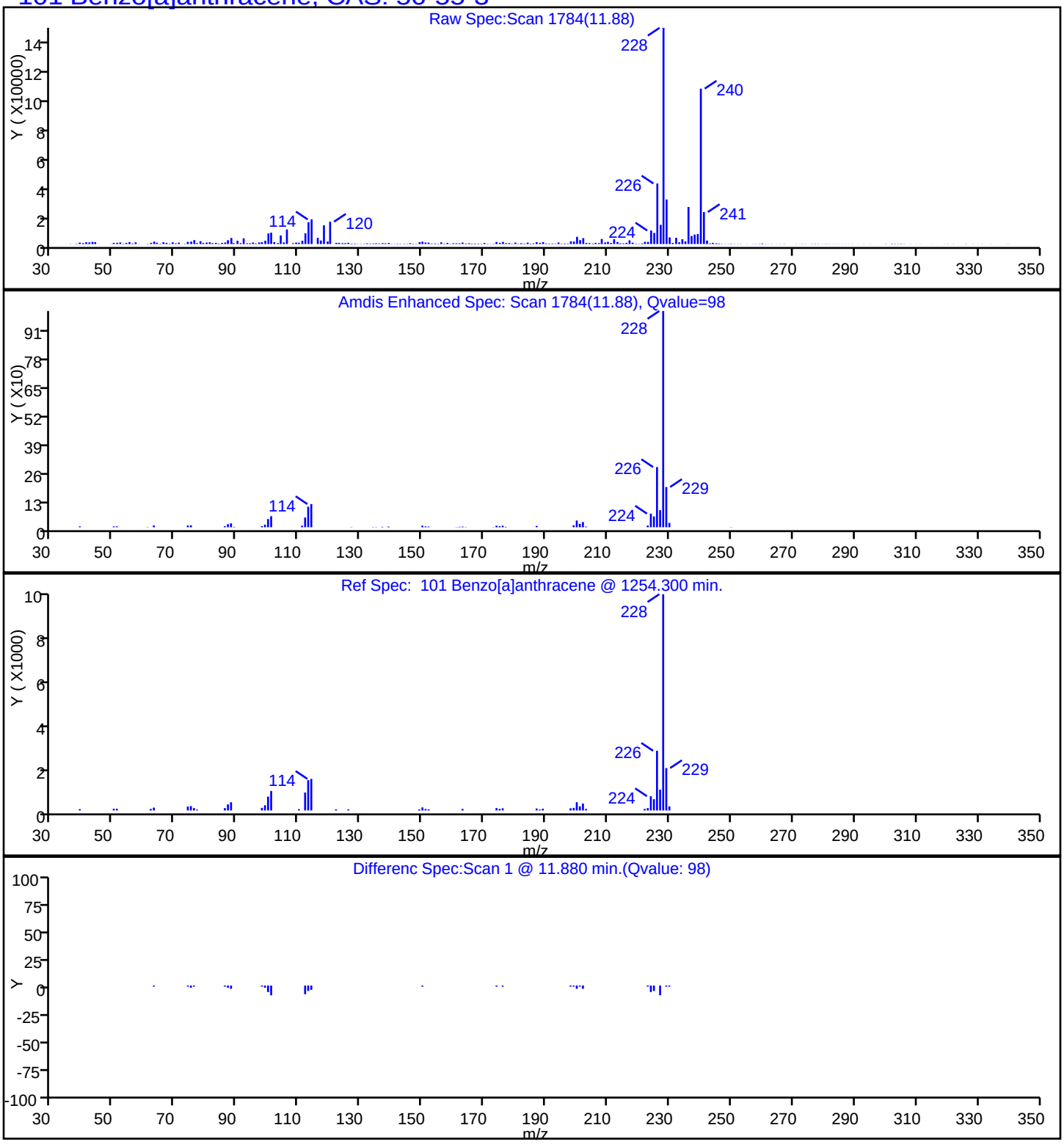
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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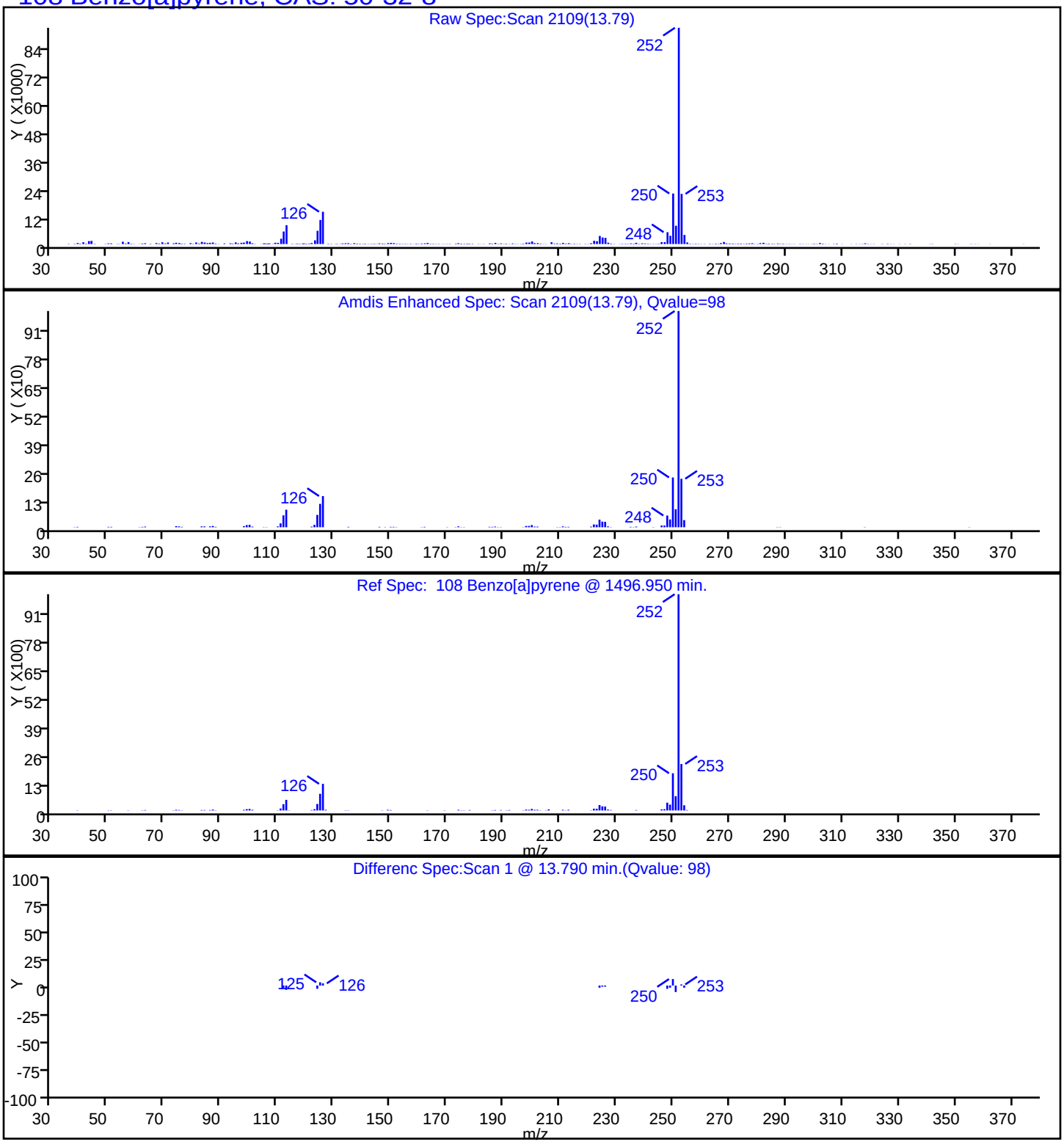
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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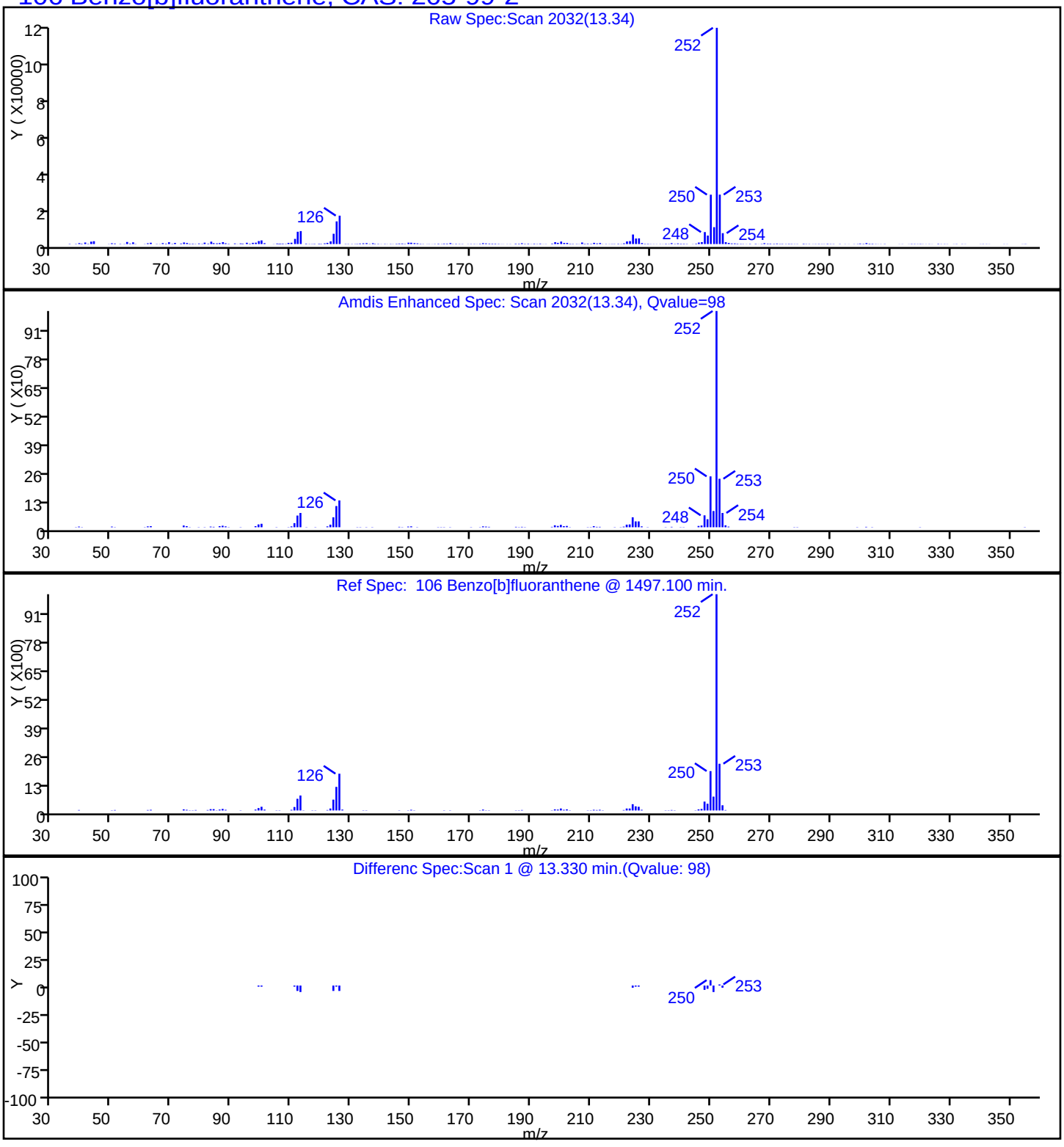
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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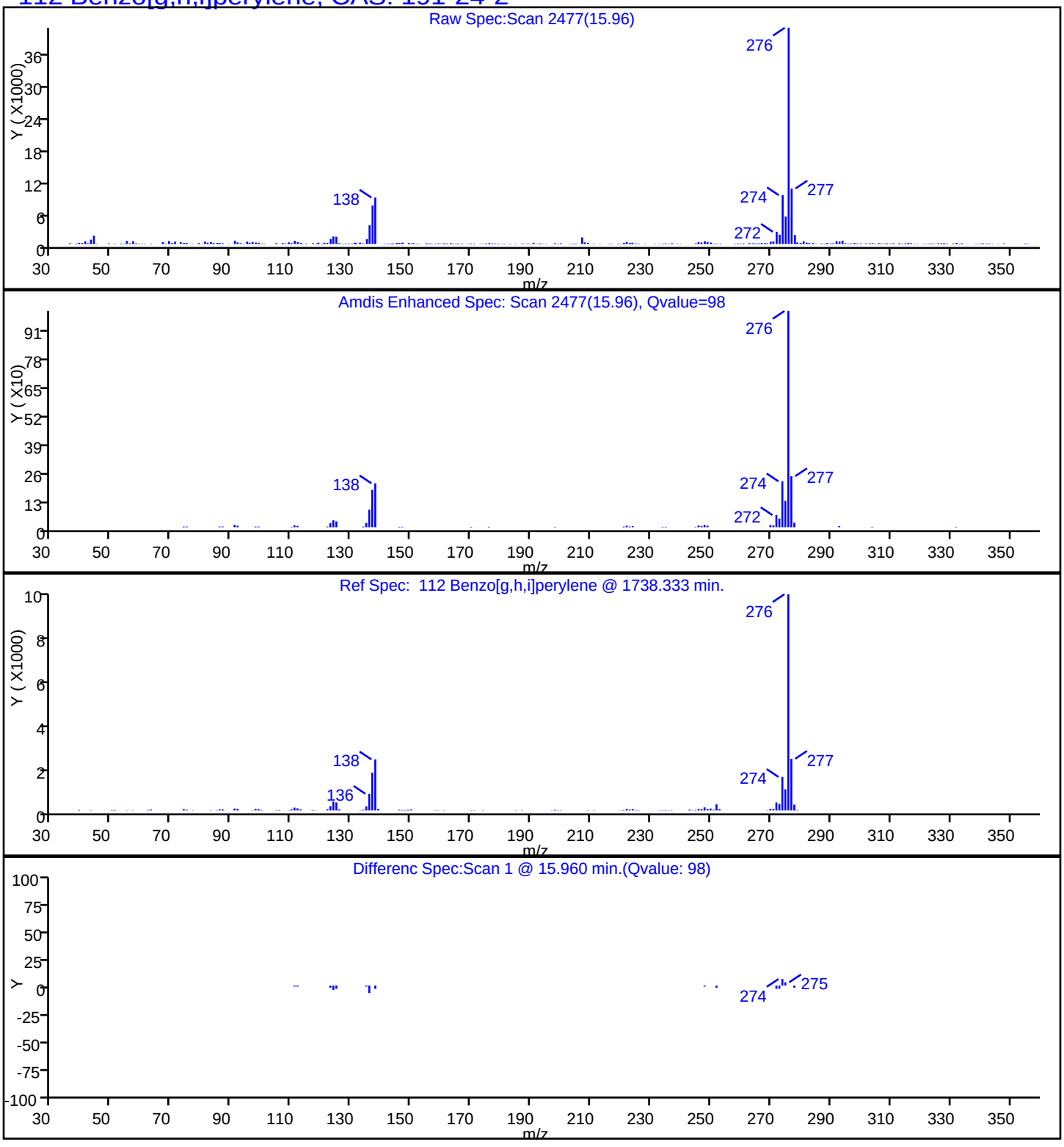
112 Benzo[g,h,i]perylene, CAS: 191-24-2



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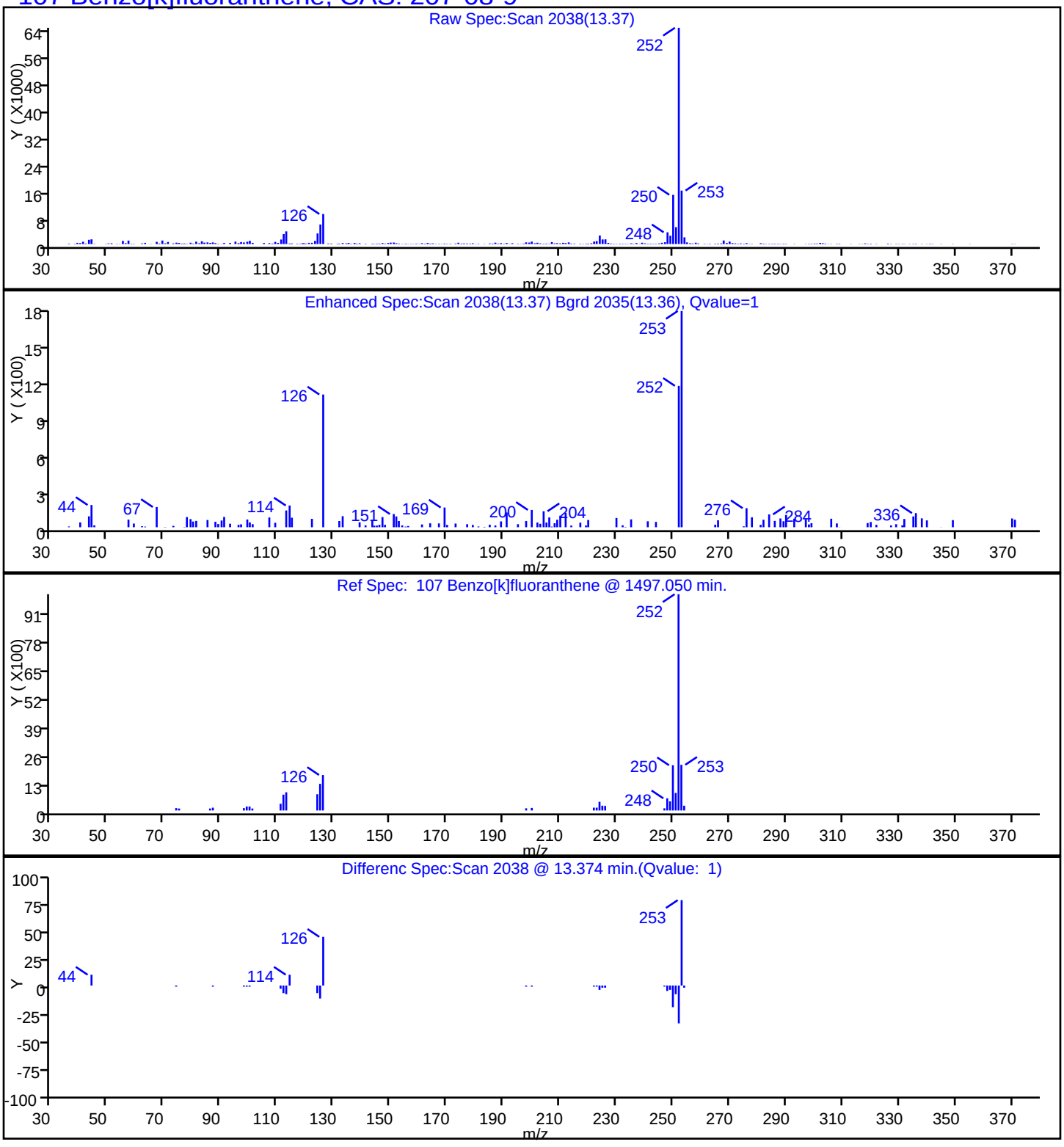
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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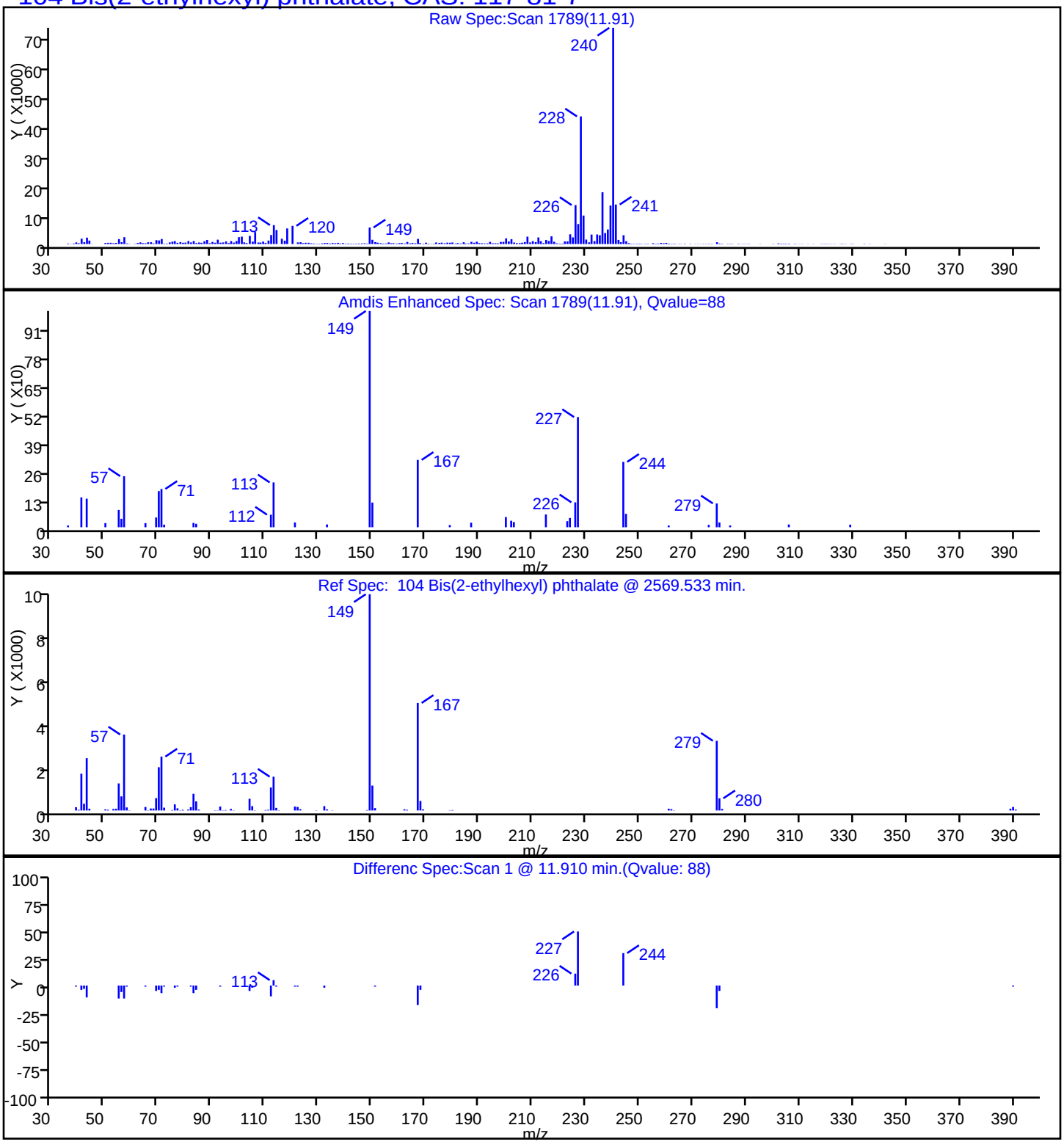
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



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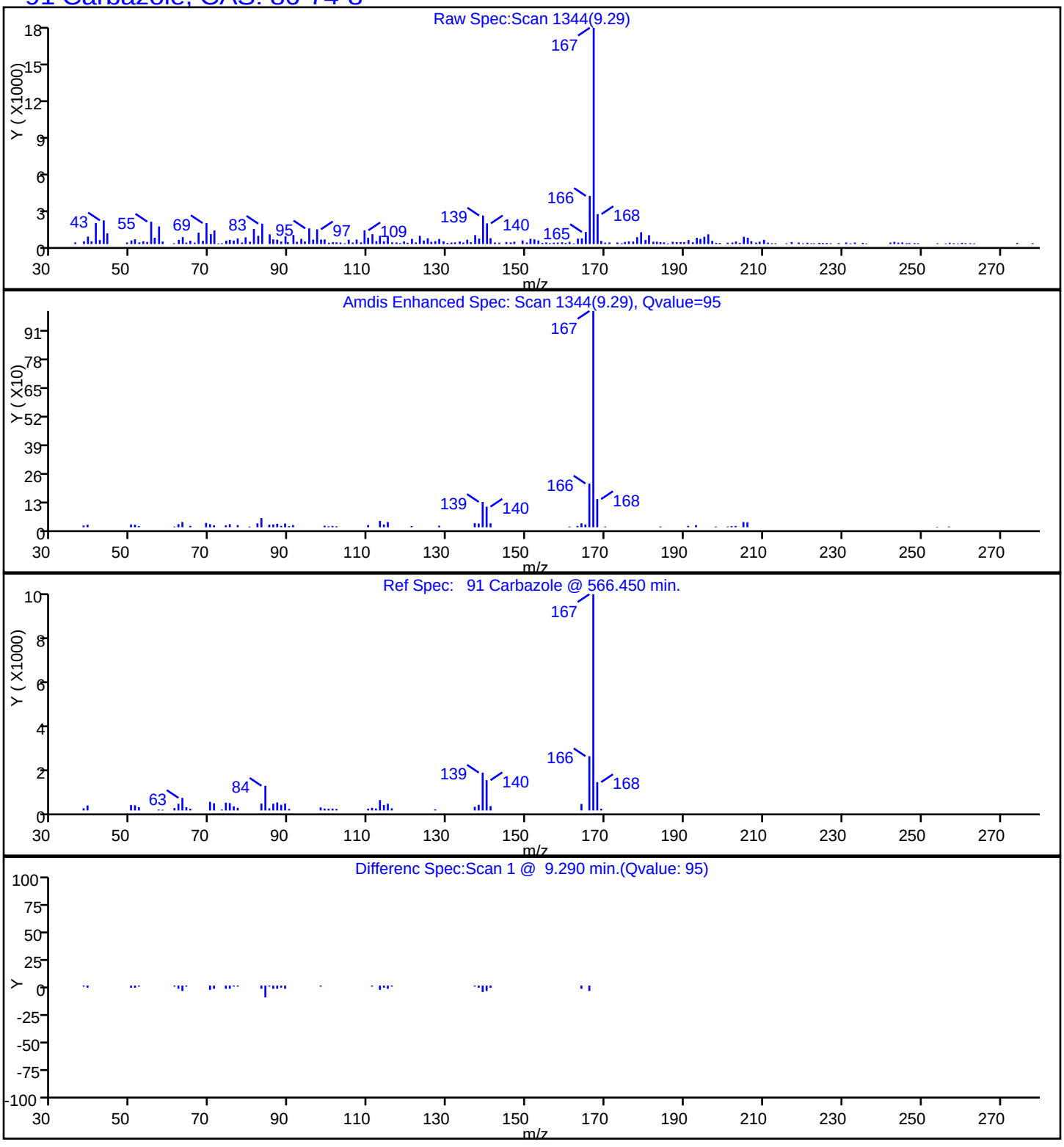
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Carbazole, CAS: 86-74-8



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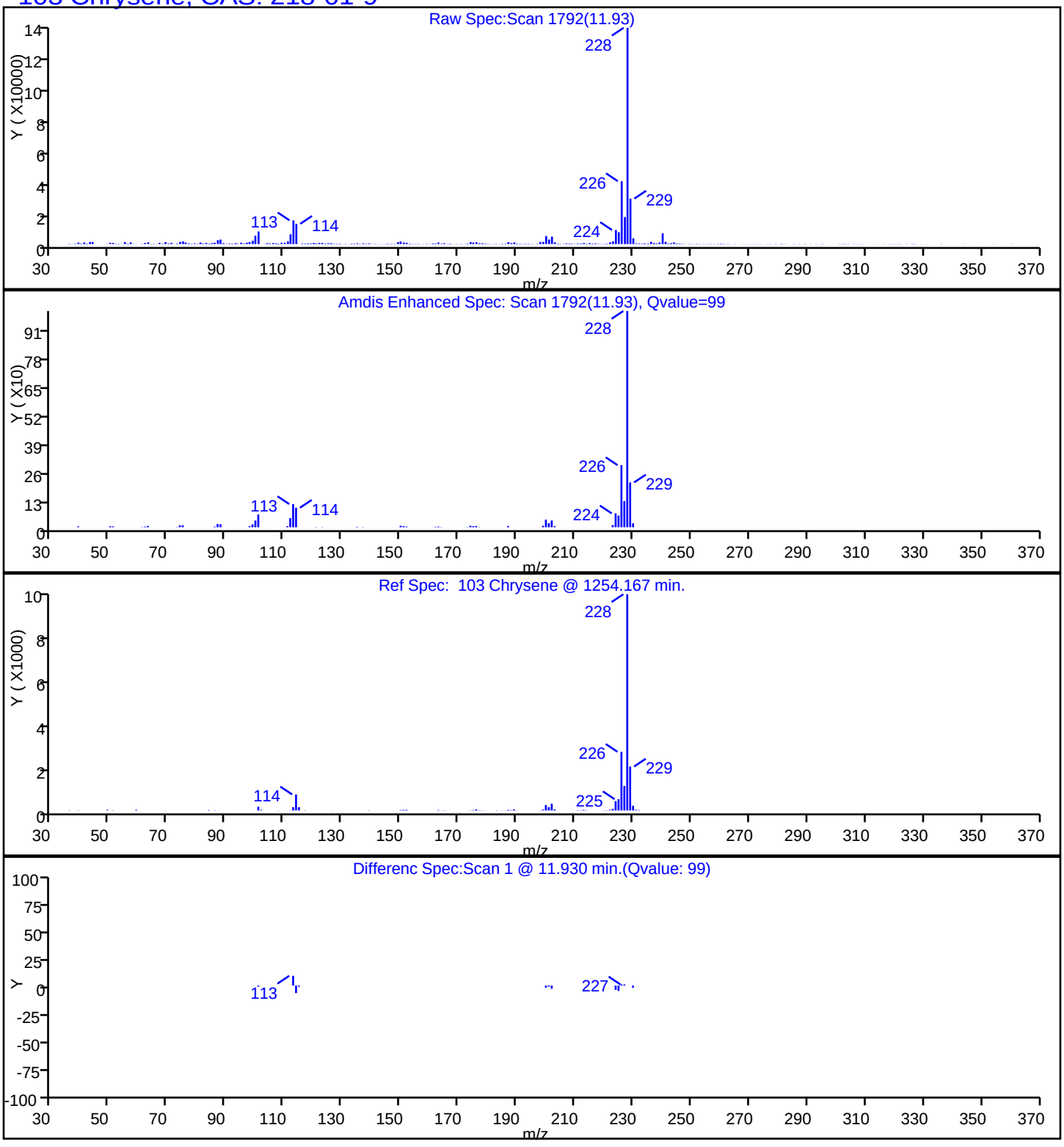
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9



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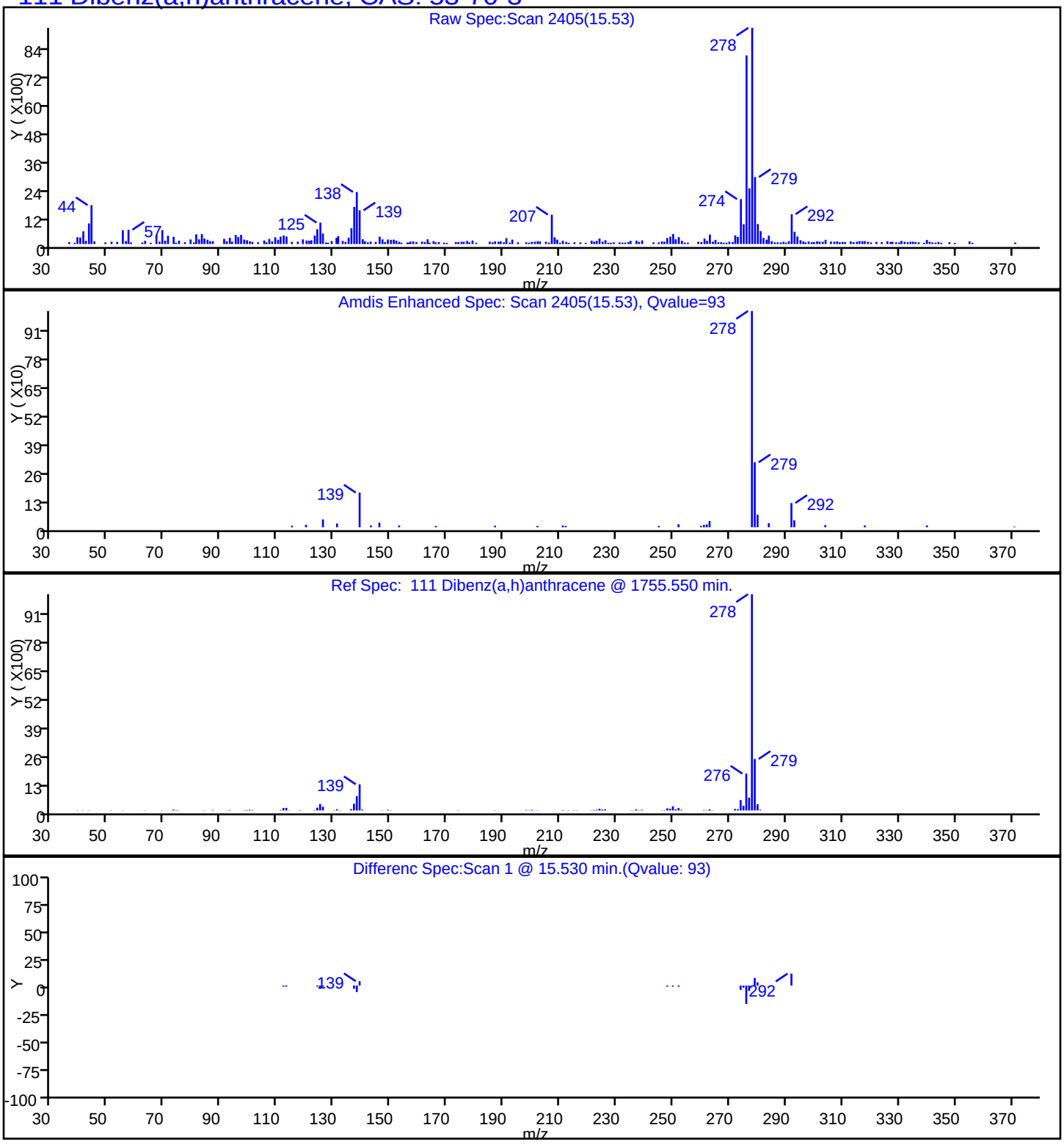
111 Dibenz(a,h)anthracene, CAS: 53-70-3



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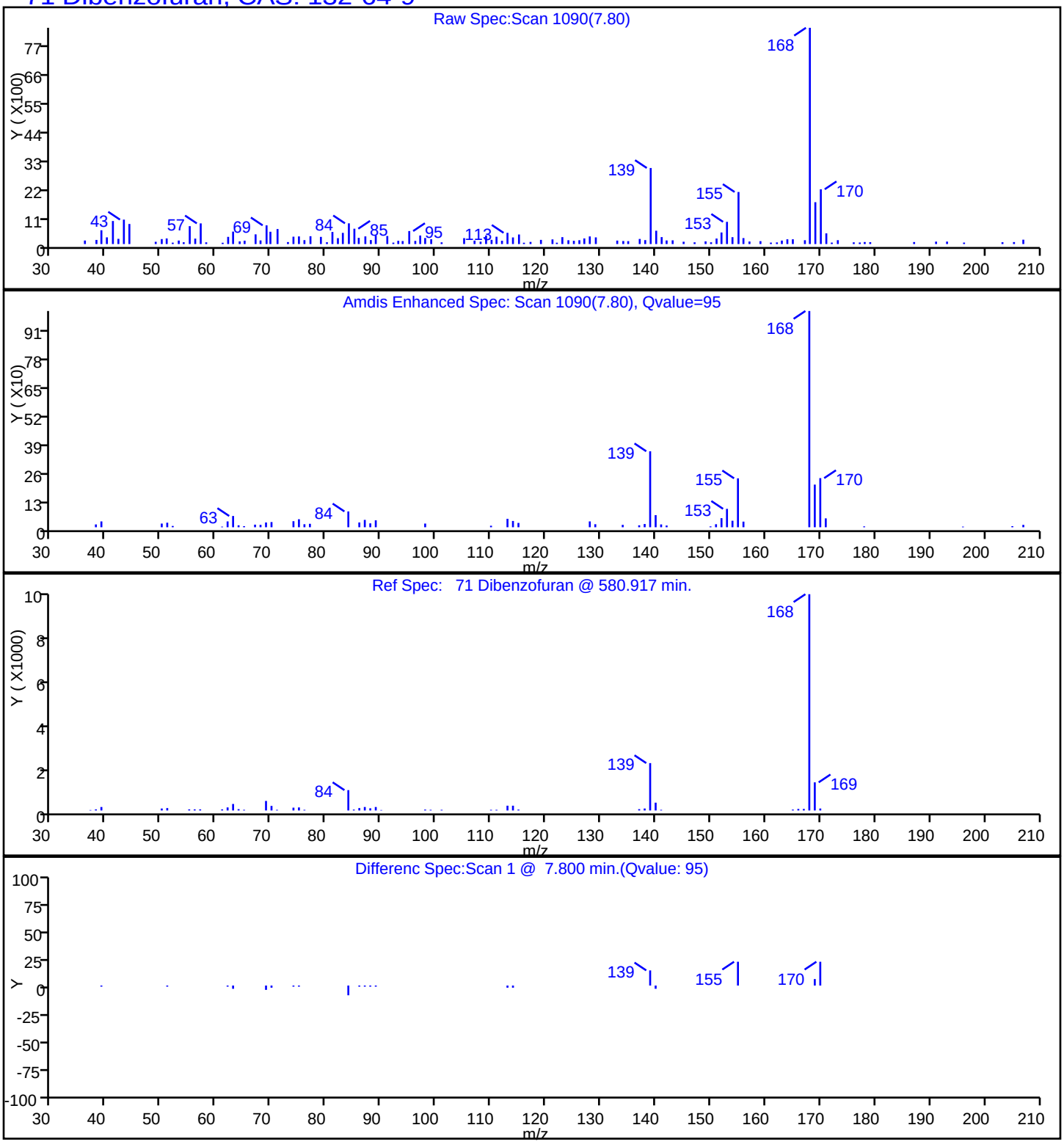
71 Dibenzofuran, CAS: 132-64-9



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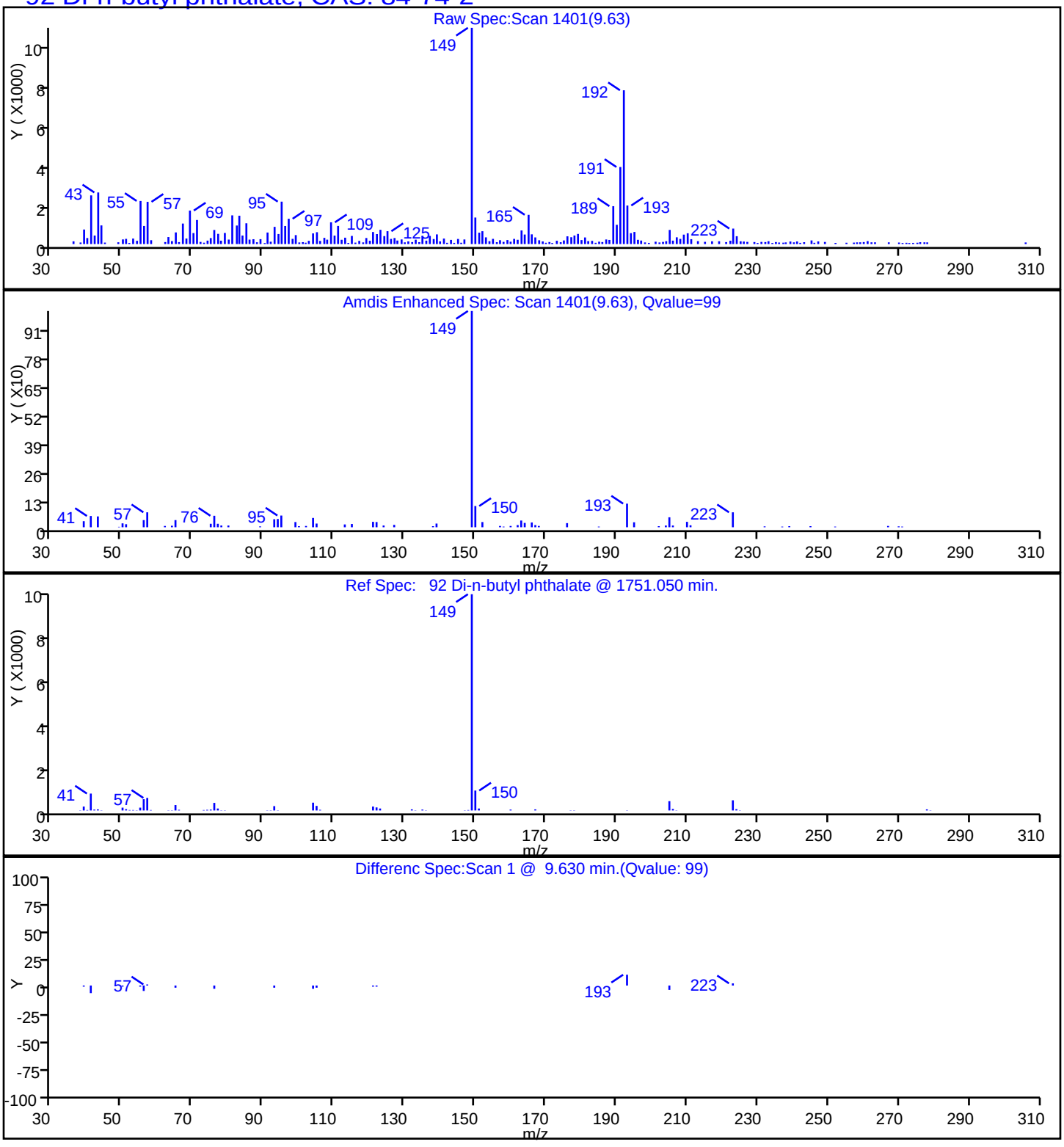
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Di-n-butyl phthalate, CAS: 84-74-2



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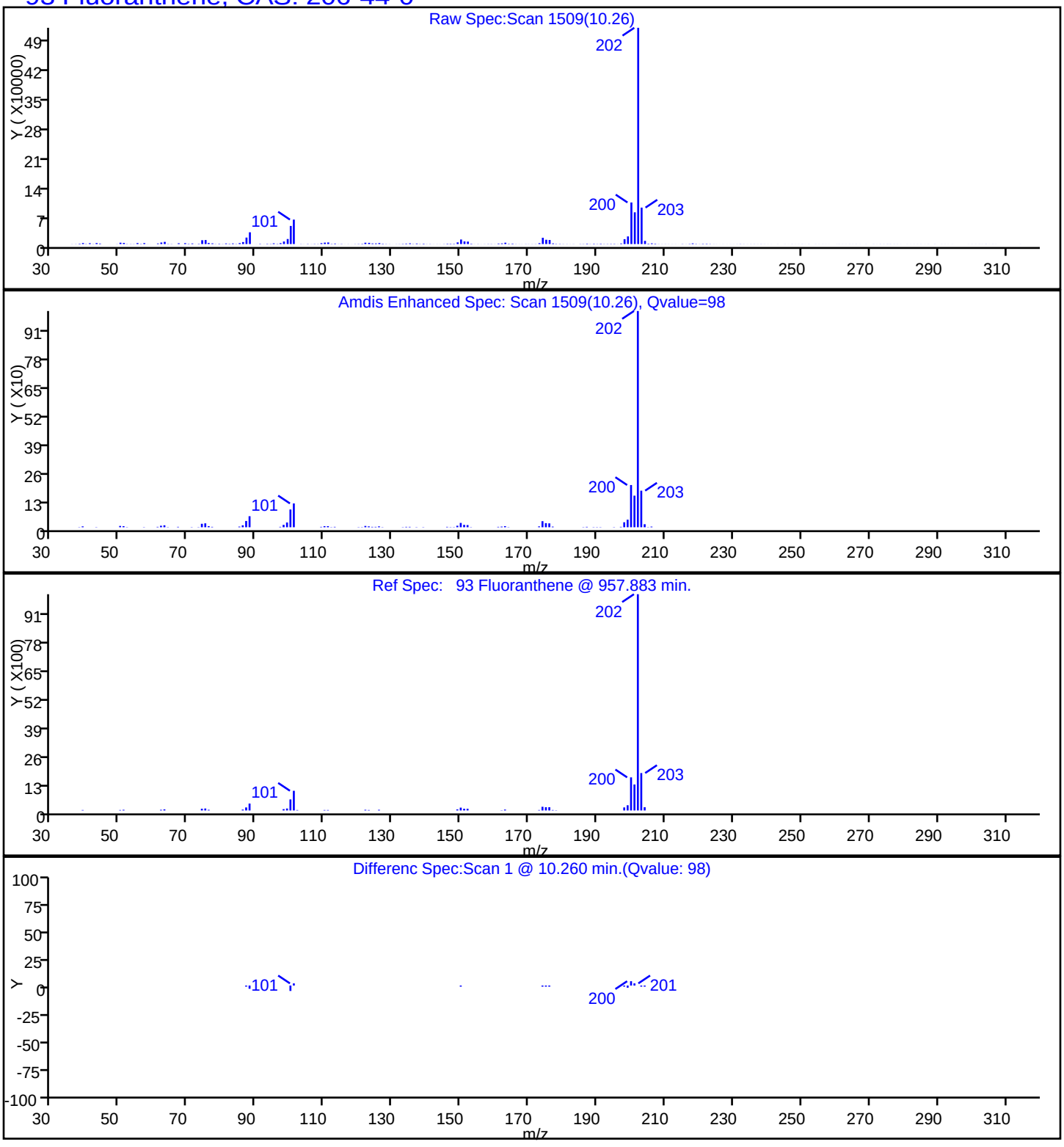
93 Fluoranthene, CAS: 206-44-0



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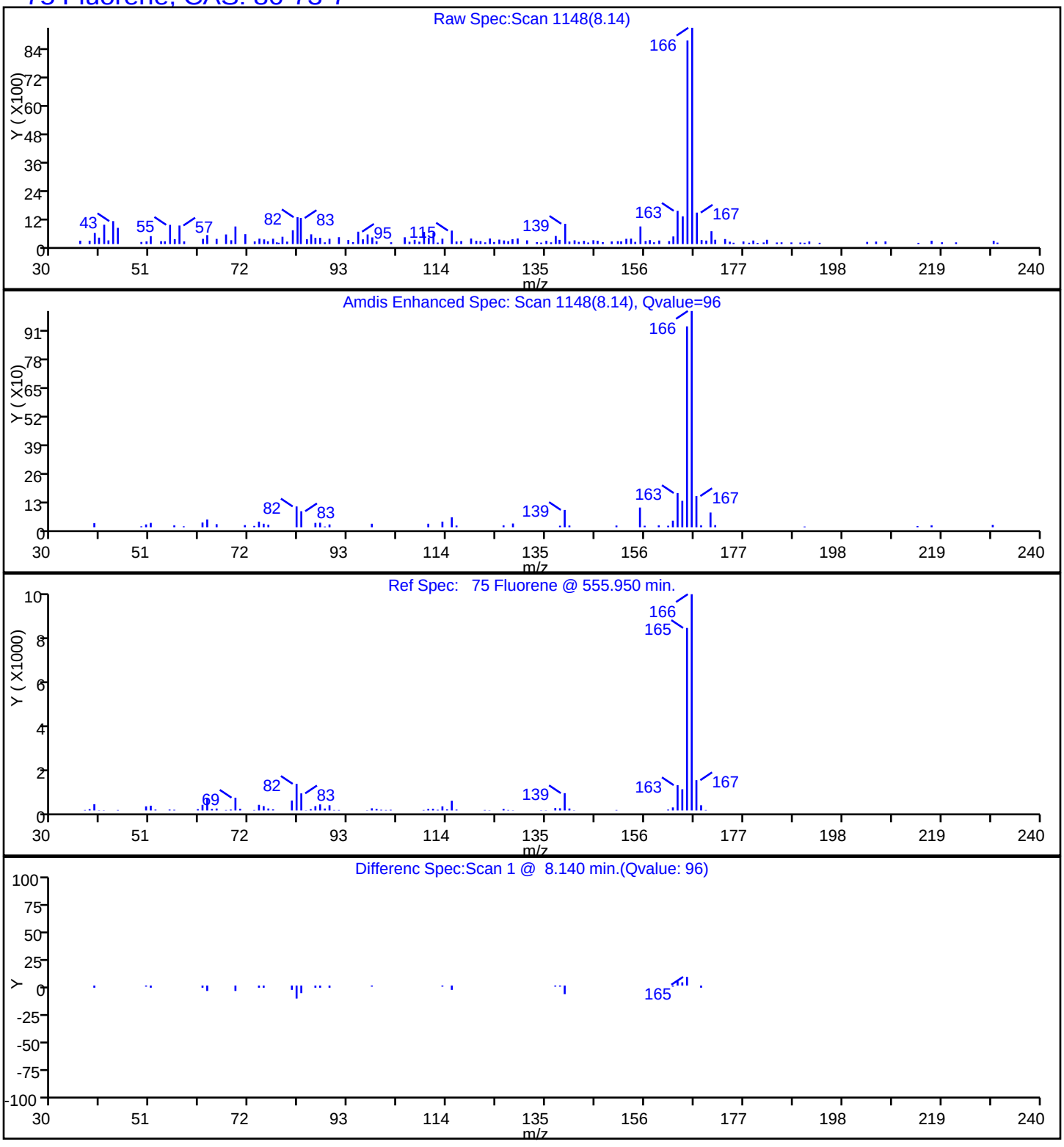
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7

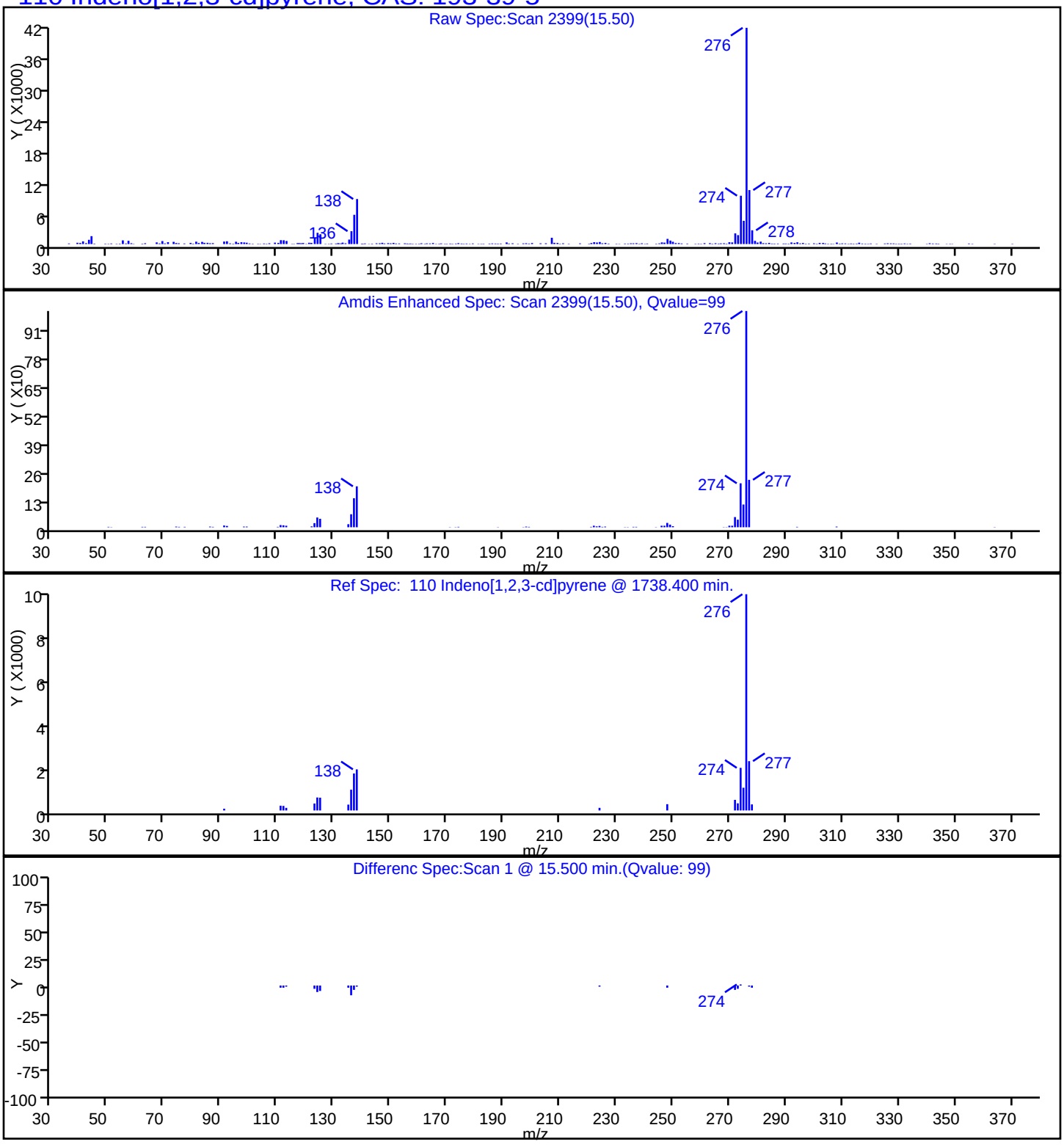


Report Date: 24-Aug-2016 18:35:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17373.D				
Injection Date:	23-Aug-2016 17:41:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-7-A	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



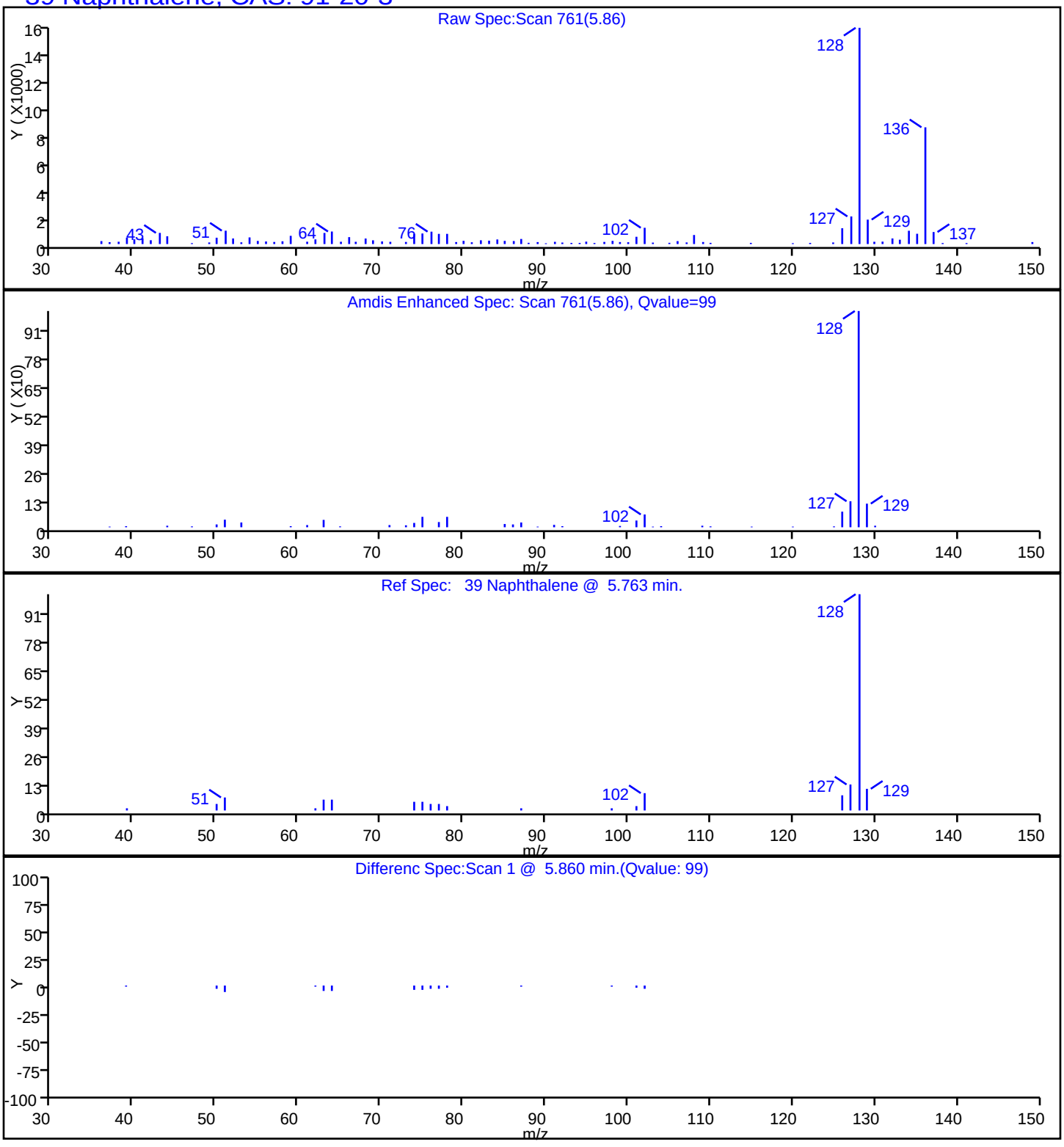
Report Date: 24-Aug-2016 18:35:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17373.D

Injection Date:	23-Aug-2016 17:41:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-7-A	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

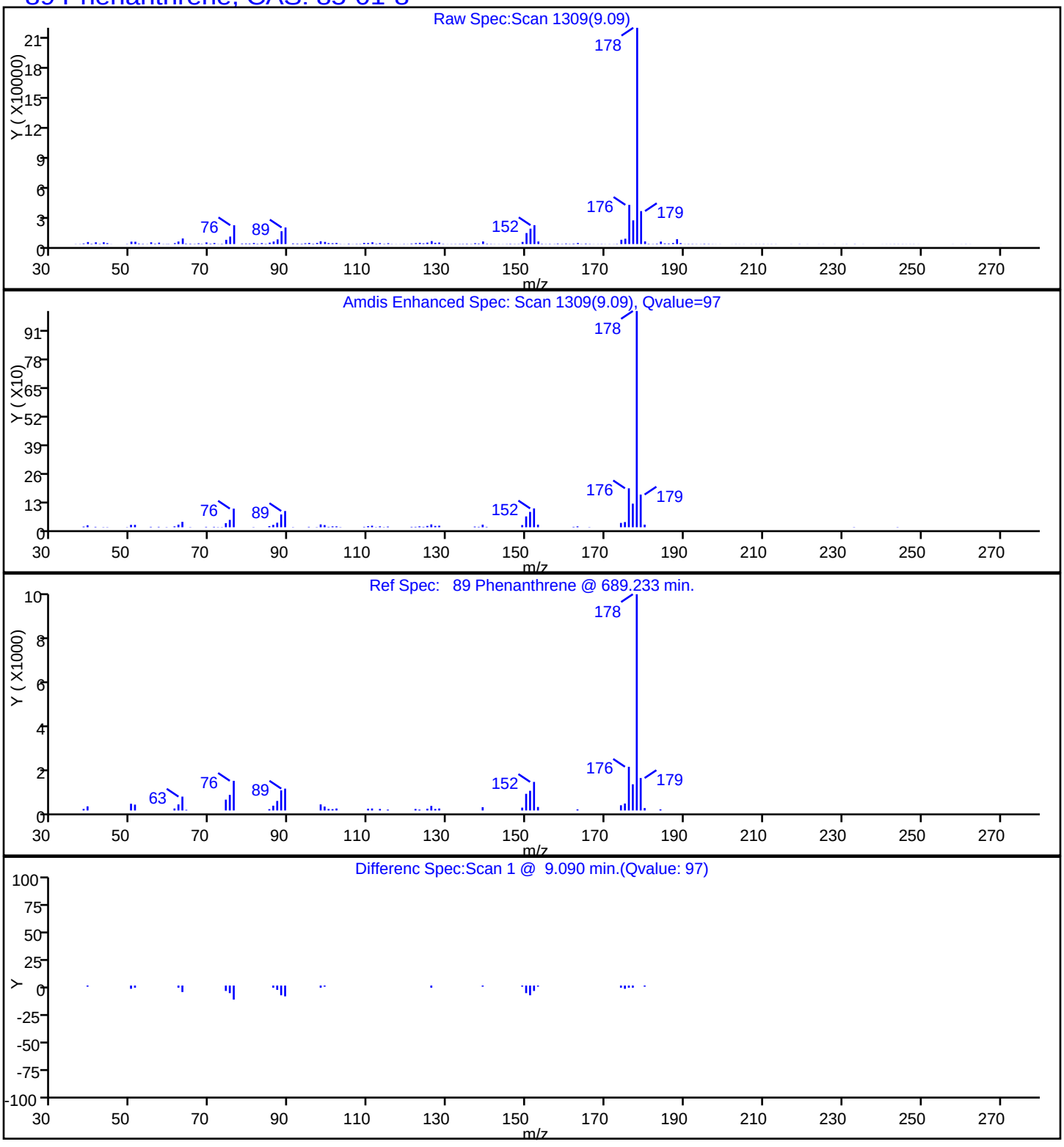


Report Date: 24-Aug-2016 18:35:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17373.D				
Injection Date:	23-Aug-2016 17:41:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-7-A	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8



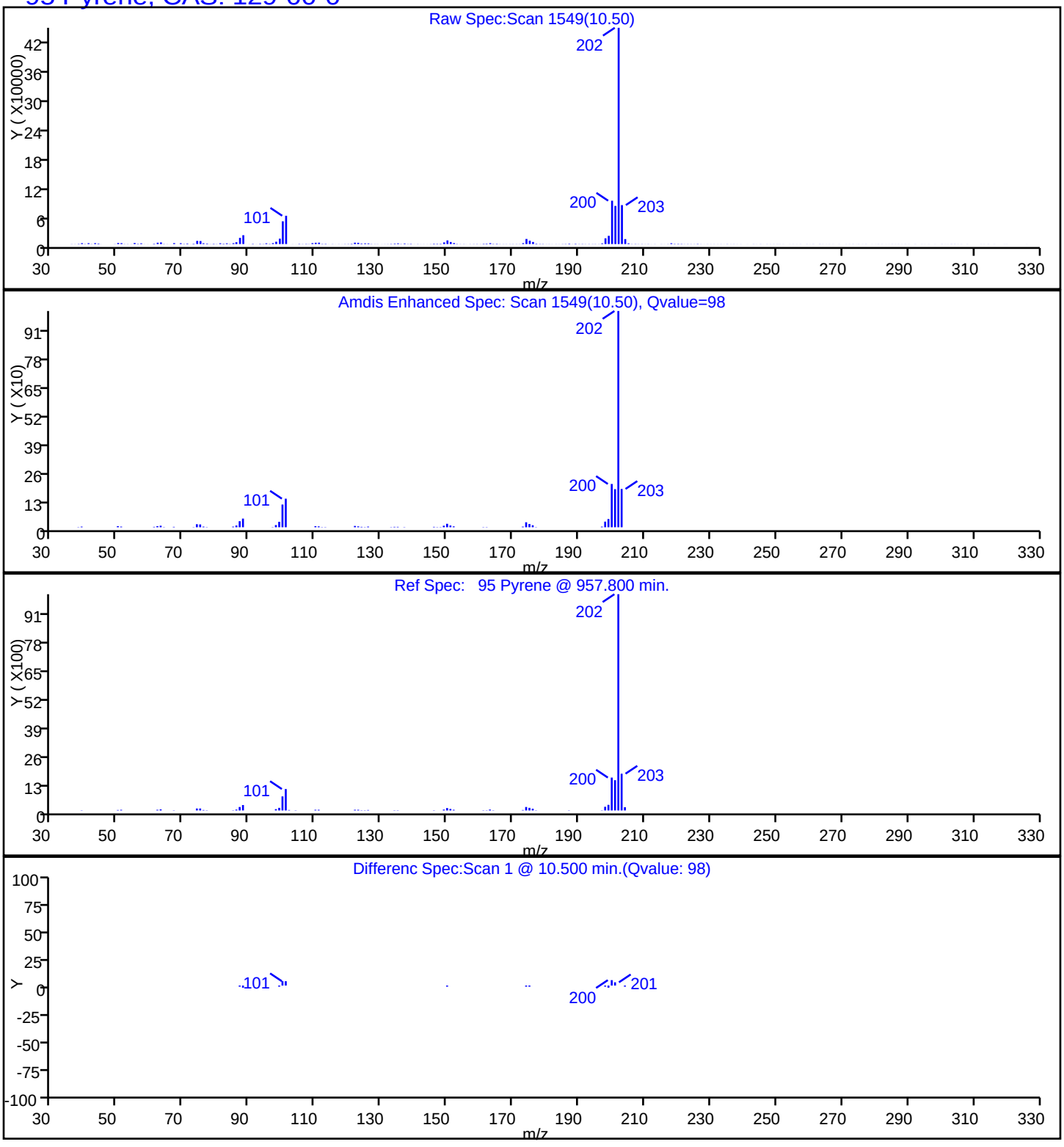
Report Date: 24-Aug-2016 18:35:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17373.D

Injection Date:	23-Aug-2016 17:41:30	Instrument ID:	CBNAMS5		
Lims ID:	460-118926-E-7-A	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: FB08192016 | Lab Sample ID: 460-118926-8

Matrix: Water | Lab File ID: M231687.D

Analysis Method: 8270D | Date Collected: 08/19/2016 10:15

Extract. Method: 3510C | Date Extracted: 08/20/2016 13:50

Sample wt/vol: 230(mL) | Date Analyzed: 08/24/2016 12:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386455 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	0.66
95-50-1	1,2-Dichlorobenzene	11	U	11	0.90
541-73-1	1,3-Dichlorobenzene	11	U	11	1.2
106-46-7	1,4-Dichlorobenzene	11	U	11	0.72
108-60-1	2,2'-oxybis[1-chloropropane]	11	U	11	1.0
121-14-2	2,4-Dinitrotoluene	2.2	U	2.2	1.1
606-20-2	2,6-Dinitrotoluene	2.2	U	2.2	0.96
91-58-7	2-Chloronaphthalene	11	U	11	0.66
91-57-6	2-Methylnaphthalene	11	U	11	0.96
88-74-4	2-Nitroaniline	11	U	11	0.71
91-94-1	3,3'-Dichlorobenzidine	11	U	11	1.1
99-09-2	3-Nitroaniline	11	U	11	0.89
101-55-3	4-Bromophenyl phenyl ether	11	U	11	1.1
106-47-8	4-Chloroaniline	11	U	11	0.79
7005-72-3	4-Chlorophenyl phenyl ether	11	U	11	1.0
100-01-6	4-Nitroaniline	11	U	11	0.52
83-32-9	Acenaphthene	11	U	11	0.96
208-96-8	Acenaphthylene	11	U	11	0.71
120-12-7	Anthracene	11	U	11	0.62
56-55-3	Benzo[a]anthracene	1.1	U	1.1	0.60
50-32-8	Benzo[a]pyrene	1.1	U	1.1	0.17
205-99-2	Benzo[b]fluoranthene	1.1	U	1.1	0.48
191-24-2	Benzo[g,h,i]perylene	11	U	11	0.82
207-08-9	Benzo[k]fluoranthene	1.1	U	1.1	0.20
111-91-1	Bis(2-chloroethoxy)methane	11	U	11	0.75
111-44-4	Bis(2-chloroethyl)ether	1.1	U	1.1	0.13
117-81-7	Bis(2-ethylhexyl) phthalate	2.2	U	2.2	0.78
85-68-7	Butyl benzyl phthalate	11	U	11	0.65
86-74-8	Carbazole	11	U	11	0.92
218-01-9	Chrysene	2.2	U	2.2	0.73
53-70-3	Dibenz(a,h)anthracene	1.1	U	1.1	0.098
132-64-9	Dibenzofuran	11	U	11	0.92
84-66-2	Diethyl phthalate	11	U	11	1.1
131-11-3	Dimethyl phthalate	11	U	11	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: FB08192016 | Lab Sample ID: 460-118926-8

Matrix: Water | Lab File ID: M231687.D

Analysis Method: 8270D | Date Collected: 08/19/2016 10:15

Extract. Method: 3510C | Date Extracted: 08/20/2016 13:50

Sample wt/vol: 230(mL) | Date Analyzed: 08/24/2016 12:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386455 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	11	U	11	0.89
117-84-0	Di-n-octyl phthalate	11	U	11	0.75
206-44-0	Fluoranthene	11	U	11	0.78
86-73-7	Fluorene	11	U	11	0.87
118-74-1	Hexachlorobenzene	1.1	U	1.1	0.51
87-68-3	Hexachlorobutadiene	1.1	U	1.1	0.83
77-47-4	Hexachlorocyclopentadiene	11	U	11	0.66
67-72-1	Hexachloroethane	1.1	U *	1.1	0.098
193-39-5	Indeno[1,2,3-cd]pyrene	1.1	U	1.1	0.23
78-59-1	Isophorone	11	U	11	0.73
91-20-3	Naphthalene	11	U	11	0.87
98-95-3	Nitrobenzene	1.1	U	1.1	0.53
621-64-7	N-Nitrosodi-n-propylamine	1.1	U	1.1	0.90
86-30-6	N-Nitrosodiphenylamine	11	U	11	0.80
85-01-8	Phenanthrene	11	U	11	0.71
129-00-0	Pyrene	11	U	11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	80		45-107
4165-60-0	Nitrobenzene-d5 (Surr)	88		51-108
1718-51-0	Terphenyl-d14 (Surr)	106		40-148

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231687.D
Lims ID: 460-118926-F-8-A
Client ID: FB08192016
Sample Type: Client
Inject. Date: 24-Aug-2016 12:26:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044785-016
Operator ID: Instrument ID: CBNAMS6

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 18:58:52 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: bayoumiw Date: 24-Aug-2016 18:58:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	3.621	3.625	-0.004	90	246486	8.00	
$ 28 Nitrobenzene-d5	82	4.203	4.209	-0.006	97	627463	8.75	
* 38 Naphthalene-d8	136	4.922	4.924	-0.002	97	882324	8.00	
$ 52 2-Fluorobiphenyl	172	6.023	6.035	-0.012	96	915080	7.96	
* 64 Acenaphthene-d10	164	6.671	6.677	-0.006	91	615500	8.00	
* 87 Phenanthrene-d10	188	8.121	8.121	0.000	97	1125009	8.00	
$ 96 Terphenyl-d14	244	9.694	9.694	0.000	98	1311221	10.6	
* 102 Chrysene-d12	240	10.723	10.731	-0.008	96	936538	8.00	
* 109 Perylene-d12	264	12.428	12.438	-0.010	96	853346	8.00	

Reagents:

SM_ISTD_LVI_00114 Amount Added: 20.00 Units: uL Run Reagent

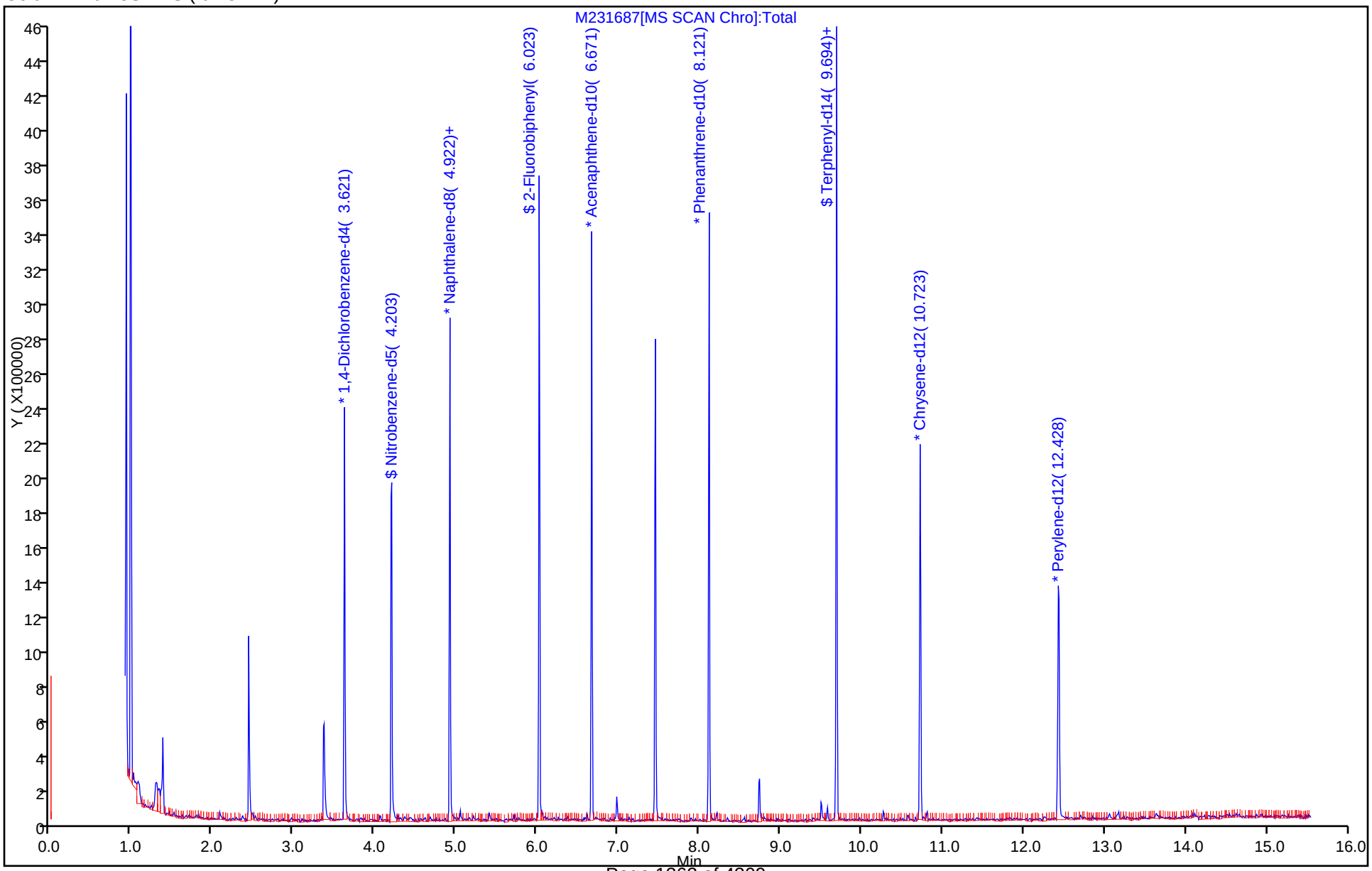
Report Date: 24-Aug-2016 18:58:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231687.D

Injection Date:	24-Aug-2016 12:26:30	Instrument ID:	CBNAMS6	Operator ID:	
Lims ID:	460-118926-F-8-A	Lab Sample ID:	460-118926-8	Worklist Smp#:	16
Client ID:	FB08192016				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-383552/10	z41810979.D
Level 2	STD1 460-383552/9	z41810978.D
Level 3	STD2 460-383552/8	z41810977.D
Level 4	STD5 460-383552/7	z41810976.D
Level 5	STD10 460-383552/6	z41810975.D
Level 6	STD20 460-383552/5	z41810974.D
Level 7	ICIS 460-383552/2	z41810971.D
Level 8	STD80 460-383552/4	z41810973.D
Level 9	STD120 460-383552/3	z41810972.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5418	0.5526	0.5646	0.5374 0.5719	0.5526	Ave		0.5535				2.4		20.0			
N-Nitrosodimethylamine	0.7169	0.7492	0.7383	0.6947 0.7604	0.7342	Ave		0.7323				3.2		20.0			
Pyridine	1.2837	1.3104	1.2899	1.1909 1.2943	1.2930	Ave		1.2770				3.4		20.0			
Phenol	1.5775	1.5829	1.4905	1.5187 1.5074	1.6010	Ave		1.5463			0.8000	3.0		20.0			
Aniline	1.7664	1.8129	1.7503	1.6265 1.7416	1.7638	Ave		1.7436				3.6		20.0			
Bis(2-chloroethyl)ether	1.2450 1.1858	1.1166 1.2037	1.1486 1.1557	1.1404 1.1881	1.1956	Ave		1.1755			0.7000	3.3		20.0			
2-Chlorophenol	1.3324	1.3284	1.2857	1.2733 1.2635	1.3344	Ave		1.3030			0.8000	2.5		20.0			
n-Decane	1.6840	1.6568	1.5973	1.6423 1.5477	1.7008	Ave		1.6381				3.5		20.0			
1,3-Dichlorobenzene	1.5505	1.5371	1.5358	1.4646 1.5239	1.5647	Ave		1.5294				2.3		20.0			
1,4-Dichlorobenzene	1.5623	1.5378	1.5277	1.4834 1.5111	1.5718	Ave		1.5323				2.1		20.0			
Benzyl alcohol	0.6260	0.7430	0.6905	0.6116 0.7067	0.6161	Ave		0.6657				8.3		20.0			
1,2-Dichlorobenzene	1.4148	1.4279	1.3979	1.3631 1.3739	1.4479	Ave		1.4042				2.3		20.0			
2-Methylphenol	1.0520	1.0617	1.0028	1.0006 0.9874	1.1012	Ave		1.0343			0.7000	4.3		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.7152	1.6672	1.5503	1.7318 1.5162	1.7876	Ave		1.6614			0.0100	6.4		20.0			
Acetophenone	1.4590	1.4535	1.3794	1.4054 1.3511	1.4948	Ave		1.4239			0.0100	3.8		20.0			
N-Nitrosodi-n-propylamine	0.7675 0.7077	0.6669 0.7410	0.7157 0.6869	0.7074 0.6901	0.7486	Ave		0.7147			0.5000	4.5		20.0			
3 & 4 Methylphenol	1.0686	1.0754	0.9926	1.0448 0.9818	1.1457	Ave		1.0515				5.7		20.0			
4-Methylphenol	1.0686	1.0754	0.9926	1.0448 0.9818	1.1457	Ave		1.0515			0.6000	5.7		20.0			
Hexachloroethane	0.5463 0.5755	0.5188 0.5714	0.5550 0.5654	0.5464 0.5580	0.5826	Ave		0.5577			0.3000	3.4		20.0			
Nitrobenzene	0.4596 0.4787	0.4435 0.4893	0.4513 0.4780	0.4610 0.4747	0.4789	Ave		0.4683			0.2000	3.2		20.0			
n,n'-Dimethylaniline	1.7576 1.7847	1.7428 1.7842	1.8198 1.6979	1.7173 1.6995	1.8364	Ave		1.7600				2.9		20.0			
Isophorone	0.5289	0.5381	0.5291 0.5127	0.5246 0.5186	0.5355	Ave		0.5268			0.4000	1.7		20.0			
2-Nitrophenol	0.1965	0.2024	0.1952	0.1831 0.1949	0.1952	Ave		0.1945			0.1000	3.2		20.0			
2,4-Dimethylphenol	0.3039	0.3080	0.2947	0.2940 0.2938	0.3114	Ave		0.3009			0.2000	2.6		20.0			
Bis(2-chloroethoxy)methane	0.3641	0.3722	0.3584	0.3460 0.3631	0.3684	Ave		0.3620			0.3000	2.5		20.0			
Benzoic acid	0.1372	0.1674	0.1739	0.0772 0.1862	0.1292	Lin2	-0.522	0.1792			0.0100				0.9960		0.9900
2,4-Dichlorophenol	0.2986	0.2927	0.2724 0.2830	0.2808 0.2820	0.3002	Ave		0.2871			0.2000	3.6		20.0			
1,2,4-Trichlorobenzene	0.3382 0.3539	0.2907 0.3520	0.3376 0.3506	0.3357 0.3471	0.3550	Ave		0.3401				5.9		20.0			
Naphthalene	1.0188	1.0355	0.9983	0.9600 0.9903	1.0202	Ave		1.0039			0.7000	2.7		20.0			
4-Chloroaniline	0.3799	0.3816	0.3709	0.3502 0.3710	0.3747	Ave		0.3714			0.0100	3.0		20.0			
Hexachlorobutadiene	0.2085	0.1751 0.2105	0.1921 0.2104	0.1979 0.2125	0.2065	Ave		0.2017			0.0100	6.4		20.0			
4-Chloro-3-methylphenol	0.2300	0.2405	0.2285	0.2233 0.2303	0.2349	Ave		0.2313			0.2000	2.5		20.0			
2-Methylnaphthalene	0.6345	0.6471	0.6187	0.6038 0.6190	0.6352	Ave		0.6264			0.4000	2.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.5819	0.5940	0.5698	0.5498 0.5712	0.5835	Ave		0.5750				2.6		20.0			
Hexachlorocyclopentadiene	0.5031	0.5062	0.5394	0.4253 0.5498	0.4869	Ave		0.5018			0.0500	8.8		20.0			
1,2,4,5-Tetrachlorobenzene	0.7433	0.7258	0.7294	0.6912 0.7211	0.7424	Ave		0.7255			0.0100	2.6		20.0			
2-tertbutyl-4-methylphenol	0.4263	0.4259	0.4275	0.4046 0.4332	0.4349	Ave		0.4254				2.6		20.0			
2,4,6-Trichlorophenol	0.4266	0.4313	0.3775 0.4234	0.3926 0.4359	0.4271	Ave		0.4164			0.2000	5.3		20.0			
2,4,5-Trichlorophenol	0.4432	0.4240	0.4241	0.4060 0.4209	0.4361	Ave		0.4257			0.2000	3.0		20.0			
1,1'-Biphenyl	1.7271	1.7242	1.6551	1.5916 1.6700	1.7140	Ave		1.6803			0.0100	3.1		20.0			
2-Chloronaphthalene	1.3068	1.2811	1.2447	1.2172 1.2583	1.2991	Ave		1.2679			0.8000	2.7		20.0			
Phenyl ether	0.9183	0.8933	0.9135	0.8661 0.9183	0.9339	Ave		0.9072				2.6		20.0			
2-Nitroaniline	0.3934	0.3922	0.3309	0.3685 0.3789	0.3985	Ave		0.3771			0.0100	6.7		20.0			
1,3-Dimethylnaphthalene	1.0769	1.0582	1.0704	1.0320 1.0785	1.0797	Ave		1.0659				1.7		20.0			
Dimethyl phthalate	1.1434	1.1609	1.1341	1.0779 1.1241	1.1410	Ave		1.1302			0.0100	2.5		20.0			
Coumarin	0.1505	0.1532	0.1480	0.1413 0.1463	0.1490	Ave		0.1480				2.7		20.0			
2,6-Dinitrotoluene	0.2788	0.2239 0.2827	0.2564 0.2732	0.2629 0.2697	0.2813	Ave		0.2661			0.2000	7.3		20.0			
Acenaphthylene	1.8822	1.8443	1.8034	1.7612 1.7941	1.8540	Ave		1.8232			0.9000	2.4		20.0			
3-Nitroaniline	0.2751	0.2696	0.2648	0.2539 0.2623	0.2728	Ave		0.2664			0.0100	2.9		20.0			
Acenaphthene	1.1539	1.1548	1.1176	1.0806 1.0893	1.1479	Ave		1.1240			0.9000	3.0		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.3120	1.2585	1.3101	1.1898 1.2975	1.3117	Ave		1.2799				3.8		20.0			
2,4-Dinitrophenol	0.1571	0.1707	0.0610 0.1751	0.1060 0.1765	0.1342	Lin2	-0.472	0.1701			0.0100				0.9950		0.9900
4-Nitrophenol	0.1689	0.1748	0.1688	0.1382 0.1685	0.1608	Ave		0.1633			0.0100	8.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3299	0.2577 0.3304	0.2895 0.3239	0.2984 0.3149	0.3276	Ave		0.3091			0.2000	8.3		20.0			
Dibenzofuran	1.6679	1.6603	1.6197	1.5619 1.5902	1.6549	Ave		1.6258			0.8000	2.6		20.0			
2,3,4,6-Tetrachlorophenol	0.3253	0.3293	0.3215	0.2870 0.3245	0.3027	Ave		0.3151			0.0100	5.3		20.0			
Diethyl phthalate	1.0508	1.0487	1.0276	0.9819 1.0234	1.0375	Ave		1.0283			0.0100	2.5		20.0			
Fluorene	1.2944	1.2960	1.2471	1.1994 1.2229	1.2722	Ave		1.2553			0.9000	3.1		20.0			
4-Chlorophenyl phenyl ether	0.6516	0.6497	0.6325	0.6039 0.6218	0.6331	Ave		0.6321			0.4000	2.8		20.0			
4-Nitroaniline	0.2444	0.2189	0.2164	0.2038 0.2282	0.2368	Ave		0.2248			0.0100	6.6		20.0			
4,6-Dinitro-2-methylphenol	0.1463	0.1525	0.0917 0.1557	0.1153 0.1575	0.1361	Lin2	-0.268	0.1535			0.0100				0.9980		0.9900
N-Nitrosodiphenylamine	0.6612	0.6770	0.6731	0.6218 0.6866	0.6542	Ave		0.6623			0.0100	3.5		20.0			
1,2-Diphenylhydrazine	0.8301	0.8527	0.8519	0.7912 0.8638	0.8457	Ave		0.8392				3.1		20.0			
4-Bromophenyl phenyl ether	0.2675	0.2803	0.2853	0.2497 0.2909	0.2699	Ave		0.2739			0.1000	5.4		20.0			
Hexachlorobenzene	0.2729 0.2771	0.2403 0.2881	0.2500 0.2944	0.2572 0.3001	0.2722	Ave		0.2725			0.1000	7.4		20.0			
Pentachlorophenol	0.1545	0.1723	0.0864 0.1740	0.1169 0.1789	0.1406	Lin2	-0.367	0.1696			0.0500				0.9950		0.9900
Pentachloronitrobenzene	0.0956	0.1002	0.1027	0.0873 0.1040	0.0969	Ave		0.0978			0.0100	6.2		20.0			
n-Octadecane	0.6410	0.6886	0.6795	0.5745 0.6883	0.6162	Ave		0.6480				7.1		20.0			
Phenanthrene	1.1266	1.1202	1.1161	1.0765 1.1139	1.1078	Ave		1.1102			0.7000	1.6		20.0			
Anthracene	1.1695	1.1736	1.1603	1.0813 1.1625	1.1552	Ave		1.1504			0.7000	3.0		20.0			
Carbazole	0.9131	0.8989	0.8972	0.8905 0.8993	0.9332	Ave		0.9054			0.0100	1.7		20.0			
Di-n-butyl phthalate	1.0782	1.0716	1.0718	1.0268 1.0807	1.0956	Ave		1.0708			0.0100	2.2		20.0			
Fluoranthene	1.0071	0.9593	0.9746	0.9410 0.9855	0.9751	Ave		0.9738			0.6000	2.3		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.4585	0.3761	0.4371	0.3950 0.4343	0.3960	Ave		0.4162				7.6		20.0			
Pyrene	1.6152	1.6710	1.5910	1.5817 1.5199	1.6992	Ave		1.6130			0.6000	4.0		20.0			
Bisphenol-A	0.5898	0.5553	0.6332	0.6064 0.5748	0.5901	Ave		0.5916				4.5		20.0			
Butyl benzyl phthalate	0.5820	0.5790	0.5685	0.5546 0.5578	0.5781	Ave		0.5700			0.0100	2.0		20.0			
2,3,7,8-TCDD		0.1906				Ave		0.1906						20.0			
Carbamazepine	0.4213	0.4306	0.4600	0.3474 0.4752	0.3981	Ave		0.4221				10.8		20.0			
3,3'-Dichlorobenzidine	0.4415	0.4114	0.3982 0.4367	0.3794 0.4433	0.3985	Ave		0.4156			0.0100	6.1		20.0			
Benzo[a]anthracene	1.4364 1.1995	1.1648 1.1958	1.2131 1.1896	1.1690 1.1860	1.1919	Lin2	0.1032	1.1716			0.8000				0.9980		0.9900
Chrysene	1.1249	1.1133	1.1032	1.0724 1.1026	1.1219	Ave		1.1064			0.7000	1.7		20.0			
Bis(2-ethylhexyl) phthalate	0.7829	0.7838	0.7784	0.7112 0.7753	0.7521	Ave		0.7640			0.0100	3.7		20.0			
Di-n-octyl phthalate	1.4538	1.4688	1.3751	1.3347 1.3787	1.4268	Ave		1.4063			0.0100	3.7		20.0			
Benzo[b]fluoranthene	1.2528 1.2216	1.0915 1.2307	1.1289 1.1697	1.1829 1.2367	1.2332	Ave		1.1942			0.7000	4.6		20.0			
Benzo[k]fluoranthene	1.3322 1.2605	1.1476 1.2231	1.1947 1.2426	1.1444 1.1973	1.2230	Ave		1.2184			0.7000	4.8		20.0			
Benzo[a]pyrene	1.1206 1.1352	0.9797 1.1381	1.0468 1.1195	1.0328 1.1320	1.1134	Ave		1.0909			0.7000	5.2		20.0			
Indeno[1,2,3-cd]pyrene	1.0661 1.0553	0.8897 1.0697	0.9507 1.0882	0.9483 1.0676	1.0047	Ave		1.0156			0.5000	6.9		20.0			
Dibenz(a,h)anthracene	0.9824 1.0479	0.8905 1.0668	0.9815 1.0702	0.9379 1.0745	1.0346	Ave		1.0096			0.4000	6.5		20.0			
Benzo[g,h,i]perylene	1.0618	1.0693	0.9689 1.0642	0.9655 1.0785	1.0409	Qua	-0.207	1.0584	0.0001728		0.5000				1.0000		0.9900
2-Fluorophenol (Surr)	1.2214	1.2054 1.3015	1.2998 1.3311	1.2241 1.2979	1.2509	Ave		1.2665				3.7		20.0			
Phenol-d5 (Surr)	1.3529	1.4370 1.4429	1.4653 1.4159	1.3914 1.3868	1.3943	Ave		1.4108				2.6		20.0			
Nitrobenzene-d5 (Surr)	0.3582 0.3366	0.3638 0.3637	0.3579 0.3665	0.3466 0.3593	0.3524	Ave		0.3561				2.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.6251 1.5373	1.5990 1.6293	1.6051 1.6584	1.5844 1.6365	1.5889	Ave		1.6071				2.2		20.0			
2,4,6-Tribromophenol (Surr)	 0.1800	0.1575 0.1952	0.1736 0.1995	0.1736 0.1954	0.1760	Ave		0.1814				7.9		20.0			
Terphenyl-d14 (Surr)	1.1540 1.1063	1.1964 1.2203	1.2060 1.2087	1.1507 1.1505	1.1717	Ave		1.1739				3.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-383552/10	z41810979.D
Level 2	STD1 460-383552/9	z41810978.D
Level 3	STD2 460-383552/8	z41810977.D
Level 4	STD5 460-383552/7	z41810976.D
Level 5	STD10 460-383552/6	z41810975.D
Level 6	STD20 460-383552/5	z41810974.D
Level 7	ICIS 460-383552/2	z41810971.D
Level 8	STD80 460-383552/4	z41810973.D
Level 9	STD120 460-383552/3	z41810972.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave	139594	360861	509332	38177 736650	78828	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd 4	Ave	184708	489316	666102	49351 979390	104729	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCBd 4	Ave	330756	855770	1163731	84606 1667190	184441	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCBd 4	Ave	406468	1033748	1344680	107895 1941635	228373	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCBd 4	Ave	455142	1183980	1579026	115553 2243244	251599	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	8924 305539	15993 786102	32043 1042627	81019 1530353	170542	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd 4	Ave	343307	867537	1159943	90462 1627540	190353	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCBd 4	Ave	433902	1082020	1441000	116672 1993608	242612	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	399513	1003855	1385571	104047 1962831	223197	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	402537	1004311	1378221	105386 1946353	224205	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCBd 4	Ave	161307	485247	622960	43449 910267	87878	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	364540	932503	1261119	96841 1769712	206536	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCBd 4	Ave	271051	693362	904685	71083 1271780	157075	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	441933	1088794	1398601	123030 1952950	254989	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetophenone	DCBd 4	Ave	375932	949231	1244429	99847 1740346	213230	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	5501 182351	9552 483945	19967 619712	50258 888848	106791	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
3 & 4 Methylphenol	DCBd 4	Ave	275325	702325	895467	74227 1264602	163428	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd 4	Ave	275325	702325	895467	74227 1264602	163428	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCBd 4	Ave	3916 148282	7431 373200	15483 510051	38816 718758	83105	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	10872 386363	20676 1005213	41041 1316202	105119 1866970	216840	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd 4	Ave	12598 459847	24961 1165221	50767 1531829	121999 2189057	261948	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	426884	1105499	48115 1411848	119606 2039616	242464	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	158608	415741	537406	41755 766698	88362	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	245296	632674	811503	67028 1155381	140987	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	293874	764552	987095	78895 1428099	166776	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	110757	343797	479019	17606 732228	58499	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	241013	601394	24769 779196	64029 1109198	135915	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	8001 285636	13549 723131	30697 965580	76550 1365147	160707	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	822327	2127320	2749234	218902 3895025	461882	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	306607	783853	1021304	79859 1459149	169647	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	168291	8161 432342	17468 579515	45121 835978	93500	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	185645	494122	629285	50925 905781	106355	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	512142	1329352	1703715	137687 2434798	287594	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	469708	1220233	1569164	125356 2246769	264177	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	171121	451359	631287	41529 912953	92794	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	252791	647203	853636	67494 1197399	141492	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	344061	874955	1177323	92253 1703945	196908	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	145077	384624	15021 495510	38343 723864	81412	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	150741	378117	496253	39644 698873	83113	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	587396	1537511	1936884	155427 2773059	326686	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	444449	1142375	1456670	118862 2089323	247604	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	312319	796598	1069032	84576 1524827	178004	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	133799	349759	387262	35987 629122	75954	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	366268	943613	1252642	100774 1790774	205794	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	388867	1035182	1327178	105259 1866610	217468	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	121465	314681	407564	32219 575283	67471	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	94824	4467 252049	10200 319667	25669 447769	53625	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	640136	1644608	2110438	171989 2978983	353374	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	93564	240416	309914	24797 435546	52002	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	392453	1029736	1307832	105526 1808836	218798	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	446232	1122248	1533196	116189 2154400	250000	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	106895	304437	4851 409809	20701 586097	51159	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	114879	311689	394982	27000 559696	61311	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	112200	5141 294595	11517 379085	29142 522953	62448	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	567251	1480534	1895477	152521 2640481	315420	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	110652	293638	376258	28022 538880	57692	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	357381	935150	1202511	95887 1699252	197745	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	440236	1155671	1459413	117122 2030546	242489	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	221598	579365	740194	58977 1032407	120676	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	83122	195201	253270	19902 378922	45130	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	131737	350012	9535 460312	28999 642623	67598	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	297634	777069	995200	78209 1400519	162492	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	373645	978717	1259515	99521 1761927	210074	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	120415	321688	421826	31404 593388	67041	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	3865 124745	6075 330650	12999 435225	32347 612177	67610	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Lin2	139132	395553	8981 514643	29398 729745	69837	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	43053	114975	151790	10977 212190	24082	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	288535	790439	1004662	72267 1403941	153076	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	507113	1285745	1650147	135406 2271992	275184	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	526421	1347102	1715484	136001 2371221	286956	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	410999	1031741	1326510	112008 1834328	231815	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	485317	1230022	1584607	129146 2204447	272157	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	453319	1101092	1440990	118356 2010113	242226	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	206375	431646	646186	49685 885900	98362	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	444843	1079329	1419164	117226 1965622	239790	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	162443	358671	564770	44947 743344	83270	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	160296	373979	507076	41102 721372	81590	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		1231					0.500			
Carbamazepine	CRY	Ave	116039	278125	410352	25750 614513	56188	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	121603	265761	11761 389525	28119 573311	56232	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Lin2	11930 330367	16431 772425	35824 1061136	86640 1533786	168201	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	309810	719140	984083	79483 1426043	158327	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	215635	506270	694368	52712 1002728	106140	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	319288	767298	1068633	77104 1588990	157120	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	7769 268305	11735 642935	25856 908952	68337 1425344	135809	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	8261 276842	12338 638968	27364 965660	66111 1379883	134684	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	6949 249312	10533 594547	23977 869997	59665 1304639	122614	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	6611 231763	9565 558845	21776 845661	54783 1230499	110638	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	6092 230140	9574 557293	22480 831671	54180 1238403	113932	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Qua	233196	558608	22192 827023	55778 1243062	114629	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd 4	Ave	314706	17264 849971	36260 1200876	86966 1671838	178433	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCBd 4	Ave	348597	20581 942300	40877 1277393	98847 1786358	198897	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	8472 271703	16958 747189	32550 1009242	79022 1413317	159543	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	17180 522840	31894 1452832	63860 1940756	154722 2717328	302836	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	61210	3141 174083	6907 233491	16956 324531	33537	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	9585 304689	16877 788253	35616 1078134	85284 1487998	165357	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 383552

SDG No.:

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

Calibration Start Date: 08/08/2016 06:43 Calibration End Date: 08/08/2016 09:59 Calibration ID: 57148

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810971.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 08-Aug-2016 06:43:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-002
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:24:14 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 08:38:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.478	1.478	0.000	98	360861	50.0	49.9	
2 N-Nitrosodimethylamine	74	1.696	1.696	0.000	84	489316	50.0	51.2	
3 Pyridine	79	1.725	1.725	0.000	86	855770	50.0	51.3	
$ 4 2-Fluorophenol	112	2.813	2.813	0.000	94	849971	50.0	51.4	
$ 6 Phenol-d5	99	3.748	3.748	0.000	96	942300	50.0	51.1	
7 Phenol	94	3.766	3.766	0.000	88	1033748	50.0	51.2	
8 Aniline	93	3.766	3.766	0.000	87	1183980	50.0	52.0	
9 Bis(2-chloroethyl)ether	93	3.837	3.837	0.000	95	786102	50.0	51.2	
10 Benzonitrile	103	3.860	3.860	0.000	0	1405881	NC	NC	
11 2-Chlorophenol	128	3.890	3.890	0.000	95	867537	50.0	51.0	
12 n-Decane	43	3.948	3.948	0.000	91	1082020	50.0	50.6	
13 1,3-Dichlorobenzene	146	4.043	4.043	0.000	96	1003855	50.0	50.3	
* 14 1,4-Dichlorobenzene-d4	152	4.095	4.095	0.000	95	522465	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.113	4.113	0.000	95	1004311	50.0	50.2	
16 Benzyl alcohol	108	4.243	4.243	0.000	94	485247	50.0	55.8	
17 1,2-Dichlorobenzene	146	4.266	4.266	0.000	97	932503	50.0	50.8	
18 2-Methylphenol	108	4.366	4.366	0.000	89	693362	50.0	51.3	
19 2,2'-oxybis[1-chloropropan	45	4.384	4.384	0.000	94	1088794	50.0	50.2	
20 N-Methylaniline	106	4.501	4.501	0.000	0	1082793	NC	NC	
22 Acetophenone	105	4.513	4.513	0.000	94	949231	50.0	51.0	
21 N-Nitrosodi-n-propylamine	70	4.519	4.519	0.000	96	483945	50.0	51.8	
24 4-Methylphenol	108	4.531	4.531	0.000	94	702325	50.0	51.1	
23 3 & 4 Methylphenol	108	4.531	4.531	0.000	97	702325	50.0	51.1	
25 Hexachloroethane	117	4.607	4.607	0.000	94	373200	50.0	51.2	
$ 26 Nitrobenzene-d5	82	4.660	4.660	0.000	89	747189	50.0	51.1	
27 Nitrobenzene	77	4.684	4.684	0.000	92	1005213	50.0	52.2	
28 n,n'-Dimethylaniline	120	4.684	4.684	0.000	93	1165221	50.0	50.7	
31 Isophorone	82	4.931	4.931	0.000	98	1105499	50.0	51.1	
32 2-Nitrophenol	139	5.001	5.001	0.000	94	415741	50.0	52.0	
33 2,4-Dimethylphenol	122	5.060	5.060	0.000	92	632674	50.0	51.2	
34 Bis(2-chloroethoxy)methane	93	5.148	5.148	0.000	98	764552	50.0	51.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.219	5.219	0.000	88	343797	50.0	49.6	
36 2,4-Dichlorophenol	162	5.248	5.248	0.000	96	601394	50.0	51.0	
37 1,2,4-Trichlorobenzene	180	5.331	5.331	0.000	94	723131	50.0	51.8	
* 38 Naphthalene-d8	136	5.384	5.384	0.000	99	1643440	40.0	40.0	
39 Naphthalene	128	5.407	5.407	0.000	100	2127320	50.0	51.6	
40 4-Chloroaniline	127	5.466	5.466	0.000	97	783853	50.0	51.4	
41 Hexachlorobutadiene	225	5.542	5.542	0.000	97	432342	50.0	52.2	
43 4-Chloro-3-methylphenol	107	5.966	5.966	0.000	96	494122	50.0	52.0	
44 2-Methylnaphthalene	142	6.101	6.101	0.000	86	1329352	50.0	51.7	
45 1-Methylnaphthalene	142	6.195	6.195	0.000	93	1220233	50.0	51.6	
46 Hexachlorocyclopentadiene	237	6.266	6.266	0.000	97	451359	50.0	50.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.272	6.272	0.000	97	647203	50.0	50.0	
48 2-tertbutyl-4-methylphenol	149	6.319	6.319	0.000	93	874955	50.0	50.1	
49 2,4,6-Trichlorophenol	196	6.389	6.389	0.000	91	384624	50.0	51.8	
50 2,4,5-Trichlorophenol	196	6.425	6.425	0.000	98	378117	50.0	49.8	
$ 51 2-Fluorobiphenyl	172	6.472	6.472	0.000	98	1452832	50.0	50.7	
52 1,1'-Biphenyl	154	6.572	6.572	0.000	95	1537511	50.0	51.3	
53 2-Chloronaphthalene	162	6.584	6.584	0.000	99	1142375	50.0	50.5	
54 Phenyl ether	170	6.672	6.672	0.000	84	796598	50.0	49.2	
55 2-Nitroaniline	65	6.689	6.689	0.000	98	349759	50.0	52.0	
57 1,3-Dimethylnaphthalene	156	6.807	6.807	0.000	94	943613	50.0	49.6	
58 Dimethyl phthalate	163	6.884	6.884	0.000	99	1035182	50.0	51.4	
59 Coumarin	146	6.895	6.895	0.000	81	314681	50.0	51.7	
60 2,6-Dinitrotoluene	165	6.936	6.936	0.000	96	252049	50.0	53.1	
63 Acenaphthylene	152	6.995	6.995	0.000	98	1644608	50.0	50.6	
64 3-Nitroaniline	138	7.101	7.101	0.000	95	240416	50.0	50.6	
* 65 Acenaphthene-d10	164	7.136	7.136	0.000	92	713374	40.0	40.0	
67 Acenaphthene	154	7.172	7.172	0.000	94	1029736	50.0	51.4	
66 3,5-di-tert-butyl-4-hydrox	205	7.172	7.172	0.000	97	1122248	50.0	49.2	
68 2,4-Dinitrophenol	184	7.207	7.207	0.000	95	304437	100.0	103.1	
69 4-Nitrophenol	65	7.289	7.289	0.000	92	311689	100.0	107.0	
70 2,4-Dinitrotoluene	165	7.331	7.331	0.000	96	294595	50.0	53.4	
71 Dibenzofuran	168	7.342	7.342	0.000	96	1480534	50.0	51.1	
72 2,3,4,6-Tetrachlorophenol	232	7.466	7.466	0.000	96	293638	50.0	52.3	
73 Diethyl phthalate	149	7.578	7.578	0.000	99	935150	50.0	51.0	
74 Fluorene	166	7.678	7.678	0.000	97	1155671	50.0	51.6	
75 4-Chlorophenyl phenyl ethe	204	7.678	7.678	0.000	90	579365	50.0	51.4	
76 4-Nitroaniline	138	7.707	7.707	0.000	89	195201	50.0	48.7	
77 4,6-Dinitro-2-methylphenol	198	7.742	7.742	0.000	86	350012	100.0	101.1	
78 N-Nitrosodiphenylamine	169	7.801	7.801	0.000	67	777069	50.0	51.1	
79 1,2-Diphenylhydrazine	77	7.836	7.836	0.000	97	978717	50.0	50.8	
$ 80 2,4,6-Tribromophenol	330	7.919	7.919	0.000	94	174083	50.0	53.8	
81 4-Bromophenyl phenyl ether	248	8.160	8.160	0.000	94	321688	50.0	51.2	
82 Hexachlorobenzene	284	8.225	8.225	0.000	96	330650	50.0	52.9	
84 Pentachlorophenol	266	8.419	8.419	0.000	95	395553	100.0	103.8	
85 Pentachloronitrobenzene	237	8.436	8.436	0.000	91	114975	50.0	51.2	
86 n-Octadecane	57	8.513	8.513	0.000	92	790439	50.0	53.1	
* 87 Phenanthrene-d10	188	8.595	8.595	0.000	98	918263	40.0	40.0	
88 Phenanthrene	178	8.619	8.619	0.000	96	1285745	50.0	50.4	
89 Anthracene	178	8.672	8.672	0.000	98	1347102	50.0	51.0	
90 Carbazole	167	8.830	8.830	0.000	96	1031741	50.0	49.6	
91 Di-n-butyl phthalate	149	9.183	9.183	0.000	100	1230022	50.0	50.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.789	9.789	0.000	98	1101092	50.0	49.3	
93 Benzidine	184	9.925	9.925	0.000	99	431646	50.0	45.2	
94 Pyrene	202	10.013	10.013	0.000	98	1079329	50.0	51.8	
95 Bisphenol-A	213	10.066	10.066	0.000	99	358671	50.0	46.9	
$ 96 Terphenyl-d14	244	10.172	10.172	0.000	99	788253	50.0	52.0	
97 Butyl benzyl phthalate	149	10.689	10.689	0.000	96	373979	50.0	50.8	
98 2,3,7,8-TCDD	320	10.783	10.783	0.000	92	1231	0.5000	0.5000	
99 Carbamazepine	193	10.795	10.795	0.000	92	278125	50.0	51.0	
100 3,3'-Dichlorobenzidine	252	11.283	11.283	0.000	98	265761	50.0	49.5	
101 Benzo[a]anthracene	228	11.301	11.301	0.000	98	772425	50.0	50.9	
* 102 Chrysene-d12	240	11.319	11.319	0.000	99	516749	40.0	40.0	
103 Chrysene	228	11.348	11.348	0.000	99	719140	50.0	50.3	
104 Bis(2-ethylhexyl) phthalat	149	11.366	11.366	0.000	88	506270	50.0	51.3	
105 Di-n-octyl phthalate	149	12.195	12.195	0.000	97	767298	50.0	52.2	
106 Benzo[b]fluoranthene	252	12.671	12.671	0.000	99	642935	50.0	51.5	
107 Benzo[k]fluoranthene	252	12.707	12.707	0.000	99	638968	50.0	50.2	
108 Benzo[a]pyrene	252	13.101	13.101	0.000	97	594547	50.0	52.2	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	417930	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.630	14.630	0.000	99	558845	50.0	52.7	
111 Dibenz(a,h)anthracene	278	14.665	14.665	0.000	98	557293	50.0	52.8	
112 Benzo[g,h,i]perylene	276	15.018	15.018	0.000	98	558608	50.0	50.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00020 Amount Added: 1.00 Units: mL

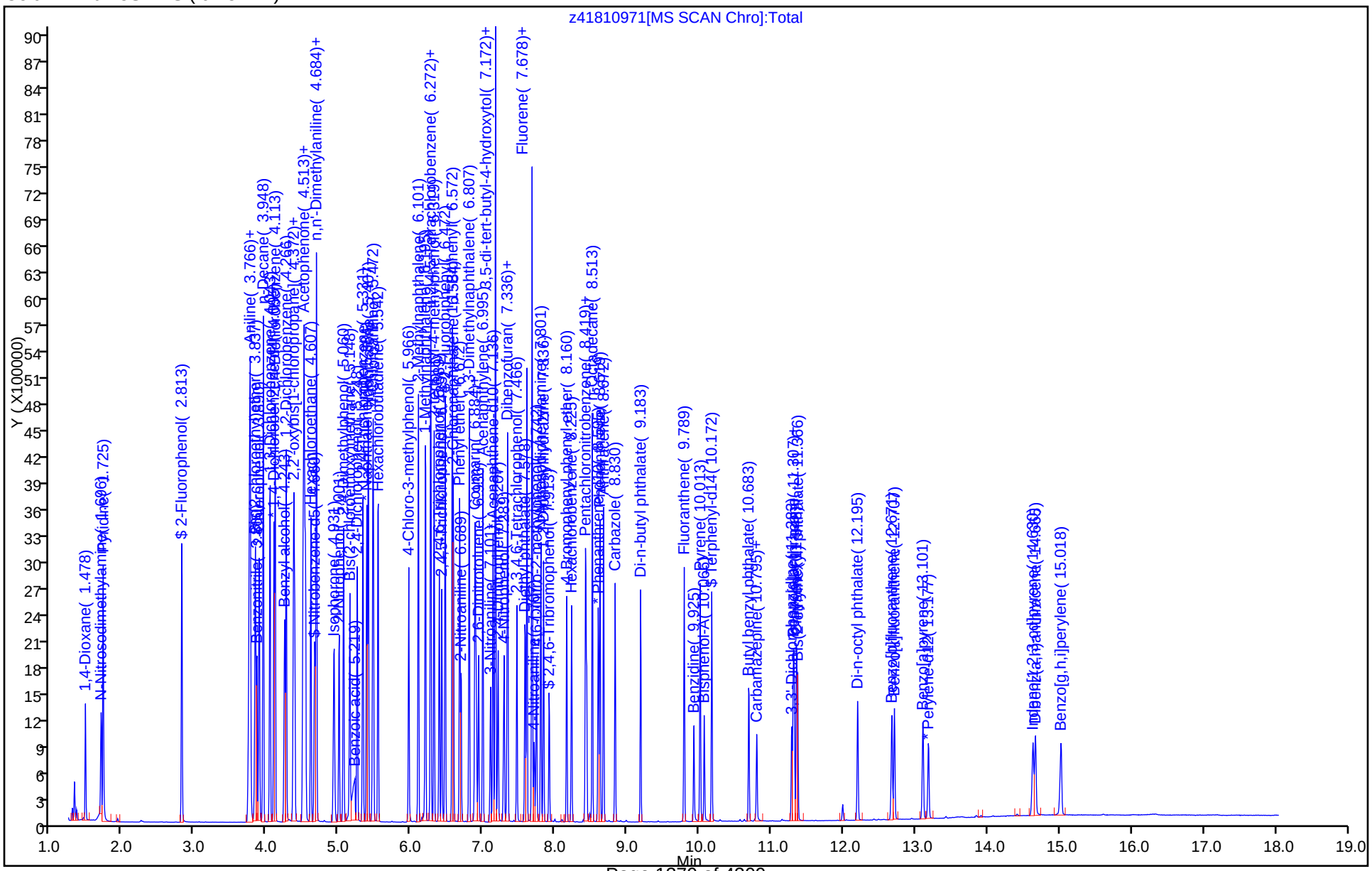
Report Date: 08-Aug-2016 14:24:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810971.D

Injection Date:	08-Aug-2016 06:43:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	icis			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810972.D
Lims ID: std120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 08-Aug-2016 07:11:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-003
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:24:25 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 08:45:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.472	1.478	-0.006	99	736650	120.0	124.0	
2 N-Nitrosodimethylamine	74	1.707	1.696	0.011	87	979390	120.0	124.6	
3 Pyridine	79	1.725	1.725	0.000	86	1667190	120.0	121.6	
$ 4 2-Fluorophenol	112	2.819	2.813	0.006	94	1671838	120.0	123.0	
$ 6 Phenol-d5	99	3.766	3.748	0.018	88	1786358	120.0	118.0	
7 Phenol	94	3.784	3.766	0.018	98	1941635	120.0	117.0	
8 Aniline	93	3.772	3.766	0.006	96	2243244	120.0	119.9	
9 Bis(2-chloroethyl)ether	93	3.848	3.837	0.011	95	1530353	120.0	121.3	
10 Benzonitrile	103	3.878	3.860	0.018	0	2684591	NC	NC	
11 2-Chlorophenol	128	3.901	3.890	0.011	96	1627540	120.0	116.4	
12 n-Decane	43	3.954	3.948	0.006	90	1993608	120.0	113.4	
13 1,3-Dichlorobenzene	146	4.048	4.043	0.005	96	1962831	120.0	119.6	
* 14 1,4-Dichlorobenzene-d4	152	4.095	4.095	0.000	95	429357	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.119	4.113	0.006	95	1946353	120.0	118.3	
16 Benzyl alcohol	108	4.260	4.243	0.017	94	910267	120.0	127.4	
17 1,2-Dichlorobenzene	146	4.272	4.266	0.006	96	1769712	120.0	117.4	
18 2-Methylphenol	108	4.378	4.366	0.012	90	1271780	120.0	114.6	
19 2,2'-oxybis[1-chloropropan	45	4.390	4.384	0.006	95	1952950	120.0	109.5	
20 N-Methylaniline	106	4.507	4.501	0.006	0	2174771	NC	NC	
22 Acetophenone	105	4.525	4.513	0.012	94	1740346	120.0	113.9	
21 N-Nitrosodi-n-propylamine	70	4.537	4.519	0.018	86	888848	120.0	115.9	M
24 4-Methylphenol	108	4.548	4.531	0.017	95	1264602	120.0	112.0	
23 3 & 4 Methylphenol	108	4.548	4.531	0.017	90	1264602	120.0	112.0	
25 Hexachloroethane	117	4.607	4.607	0.000	93	718758	120.0	120.1	
$ 26 Nitrobenzene-d5	82	4.672	4.660	0.012	90	1413317	120.0	121.1	
27 Nitrobenzene	77	4.695	4.684	0.011	81	1866970	120.0	121.6	
28 n,n'-Dimethylaniline	120	4.695	4.684	0.011	89	2189057	120.0	115.9	
31 Isophorone	82	4.948	4.931	0.017	98	2039616	120.0	118.1	
32 2-Nitrophenol	139	5.007	5.001	0.006	93	766698	120.0	120.2	
33 2,4-Dimethylphenol	122	5.072	5.060	0.012	92	1155381	120.0	117.1	
34 Bis(2-chloroethoxy)methane	93	5.154	5.148	0.006	98	1428099	120.0	120.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.254	5.219	0.035	87	732228	120.0	127.6	
36 2,4-Dichlorophenol	162	5.260	5.248	0.012	96	1109198	120.0	117.9	
37 1,2,4-Trichlorobenzene	180	5.337	5.331	0.006	94	1365147	120.0	122.5	
* 38 Naphthalene-d8	136	5.390	5.384	0.006	99	1311046	40.0	40.0	
39 Naphthalene	128	5.413	5.407	0.006	100	3895025	120.0	118.4	
40 4-Chloroaniline	127	5.478	5.466	0.012	97	1459149	120.0	119.9	
41 Hexachlorobutadiene	225	5.542	5.542	0.000	97	835978	120.0	126.5	
43 4-Chloro-3-methylphenol	107	5.972	5.966	0.006	96	905781	120.0	119.5	
44 2-Methylnaphthalene	142	6.107	6.101	0.006	86	2434798	120.0	118.6	
45 1-Methylnaphthalene	142	6.201	6.195	0.006	93	2246769	120.0	119.2	
46 Hexachlorocyclopentadiene	237	6.272	6.266	0.006	97	912953	120.0	131.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.278	6.272	0.006	98	1197399	120.0	119.3	
48 2-tertbutyl-4-methylphenol	149	6.325	6.319	0.006	92	1703945	120.0	122.2	
49 2,4,6-Trichlorophenol	196	6.395	6.389	0.006	92	723864	120.0	125.6	
50 2,4,5-Trichlorophenol	196	6.431	6.425	0.006	98	698873	120.0	118.6	
$ 51 2-Fluorobiphenyl	172	6.478	6.472	0.006	98	2717328	120.0	122.2	
52 1,1'-Biphenyl	154	6.578	6.572	0.006	95	2773059	120.0	119.3	
53 2-Chloronaphthalene	162	6.595	6.584	0.011	97	2089323	120.0	119.1	
54 Phenyl ether	170	6.678	6.672	0.006	84	1524827	120.0	121.5	
55 2-Nitroaniline	65	6.701	6.689	0.012	96	629122	120.0	120.6	
57 1,3-Dimethylnaphthalene	156	6.813	6.807	0.006	93	1790774	120.0	121.4	
58 Dimethyl phthalate	163	6.895	6.884	0.011	99	1866610	120.0	119.4	
59 Coumarin	146	6.901	6.895	0.006	78	575283	120.0	118.6	
60 2,6-Dinitrotoluene	165	6.948	6.936	0.012	95	447769	120.0	121.6	
63 Acenaphthylene	152	7.001	6.995	0.006	98	2978983	120.0	118.1	
64 3-Nitroaniline	138	7.113	7.101	0.012	96	435546	120.0	118.1	
* 65 Acenaphthene-d10	164	7.136	7.136	0.000	91	553493	40.0	40.0	
67 Acenaphthene	154	7.178	7.172	0.006	93	1808836	120.0	116.3	
66 3,5-di-tert-butyl-4-hydrox	205	7.178	7.172	0.006	96	2154400	120.0	121.6	
68 2,4-Dinitrophenol	184	7.219	7.207	0.012	95	586097	240.0	251.8	
69 4-Nitrophenol	65	7.301	7.289	0.012	91	559696	240.0	247.6	
70 2,4-Dinitrotoluene	165	7.342	7.331	0.011	94	522953	120.0	122.3	
71 Dibenzofuran	168	7.348	7.342	0.006	96	2640481	120.0	117.4	
72 2,3,4,6-Tetrachlorophenol	232	7.472	7.466	0.006	96	538880	120.0	123.6	
73 Diethyl phthalate	149	7.589	7.578	0.011	99	1699252	120.0	119.4	
74 Fluorene	166	7.683	7.678	0.005	95	2030546	120.0	116.9	
75 4-Chlorophenyl phenyl ethe	204	7.683	7.678	0.005	96	1032407	120.0	118.0	
76 4-Nitroaniline	138	7.725	7.707	0.018	89	378922	120.0	121.8	
77 4,6-Dinitro-2-methylphenol	198	7.754	7.742	0.012	89	642623	240.0	248.1	
78 N-Nitrosodiphenylamine	169	7.807	7.801	0.006	67	1400519	120.0	124.4	
79 1,2-Diphenylhydrazine	77	7.842	7.836	0.006	96	1761927	120.0	123.5	
$ 80 2,4,6-Tribromophenol	330	7.925	7.919	0.006	93	324531	120.0	129.3	
81 4-Bromophenyl phenyl ether	248	8.166	8.160	0.006	95	593388	120.0	127.4	
82 Hexachlorobenzene	284	8.230	8.225	0.005	96	612177	120.0	132.2	
84 Pentachlorophenol	266	8.430	8.419	0.011	95	729745	240.0	255.3	
85 Pentachloronitrobenzene	237	8.442	8.436	0.006	90	212190	120.0	127.7	
86 n-Octadecane	57	8.519	8.513	0.006	92	1403941	120.0	127.5	
* 87 Phenanthrene-d10	188	8.601	8.595	0.006	98	679917	40.0	40.0	
88 Phenanthrene	178	8.625	8.619	0.006	97	2271992	120.0	120.4	
89 Anthracene	178	8.678	8.672	0.006	99	2371221	120.0	121.3	
90 Carbazole	167	8.836	8.830	0.006	96	1834328	120.0	119.2	
91 Di-n-butyl phthalate	149	9.189	9.183	0.006	100	2204447	120.0	121.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.795	9.789	0.006	98	2010113	120.0	121.4	
93 Benzidine	184	9.930	9.925	0.005	99	885900	120.0	125.2	
94 Pyrene	202	10.019	10.013	0.006	97	1965622	120.0	113.1	
95 Bisphenol-A	213	10.072	10.066	0.006	99	743344	120.0	116.6	
$ 96 Terphenyl-d14	244	10.177	10.172	0.005	99	1487998	120.0	117.6	
97 Butyl benzyl phthalate	149	10.695	10.689	0.006	96	721372	120.0	117.4	
99 Carbamazepine	193	10.807	10.795	0.012	92	614513	120.0	135.1	
100 3,3'-Dichlorobenzidine	252	11.289	11.283	0.006	99	573311	120.0	128.0	
101 Benzo[a]anthracene	228	11.313	11.301	0.012	98	1533786	120.0	121.4	
* 102 Chrysene-d12	240	11.324	11.319	0.005	99	431098	40.0	40.0	
103 Chrysene	228	11.360	11.348	0.012	99	1426043	120.0	119.6	
104 Bis(2-ethylhexyl) phthalat	149	11.371	11.366	0.005	88	1002728	120.0	121.8	
105 Di-n-octyl phthalate	149	12.201	12.195	0.006	97	1588990	120.0	117.6	
106 Benzo[b]fluoranthene	252	12.683	12.671	0.012	99	1425344	120.0	124.3	
107 Benzo[k]fluoranthene	252	12.718	12.707	0.011	99	1379883	120.0	117.9	
108 Benzo[a]pyrene	252	13.113	13.101	0.012	98	1304639	120.0	124.5	
* 109 Perylene-d12	264	13.183	13.177	0.006	99	384177	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.648	14.630	0.018	99	1230499	120.0	126.2	
111 Dibenz(a,h)anthracene	278	14.683	14.665	0.018	98	1238403	120.0	127.7	
112 Benzo[g,h,i]perylene	276	15.036	15.018	0.018	98	1243062	120.0	120.1	
S 119 Total Cresols	1				0			226.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L8_00011 Amount Added: 1.00 Units: mL

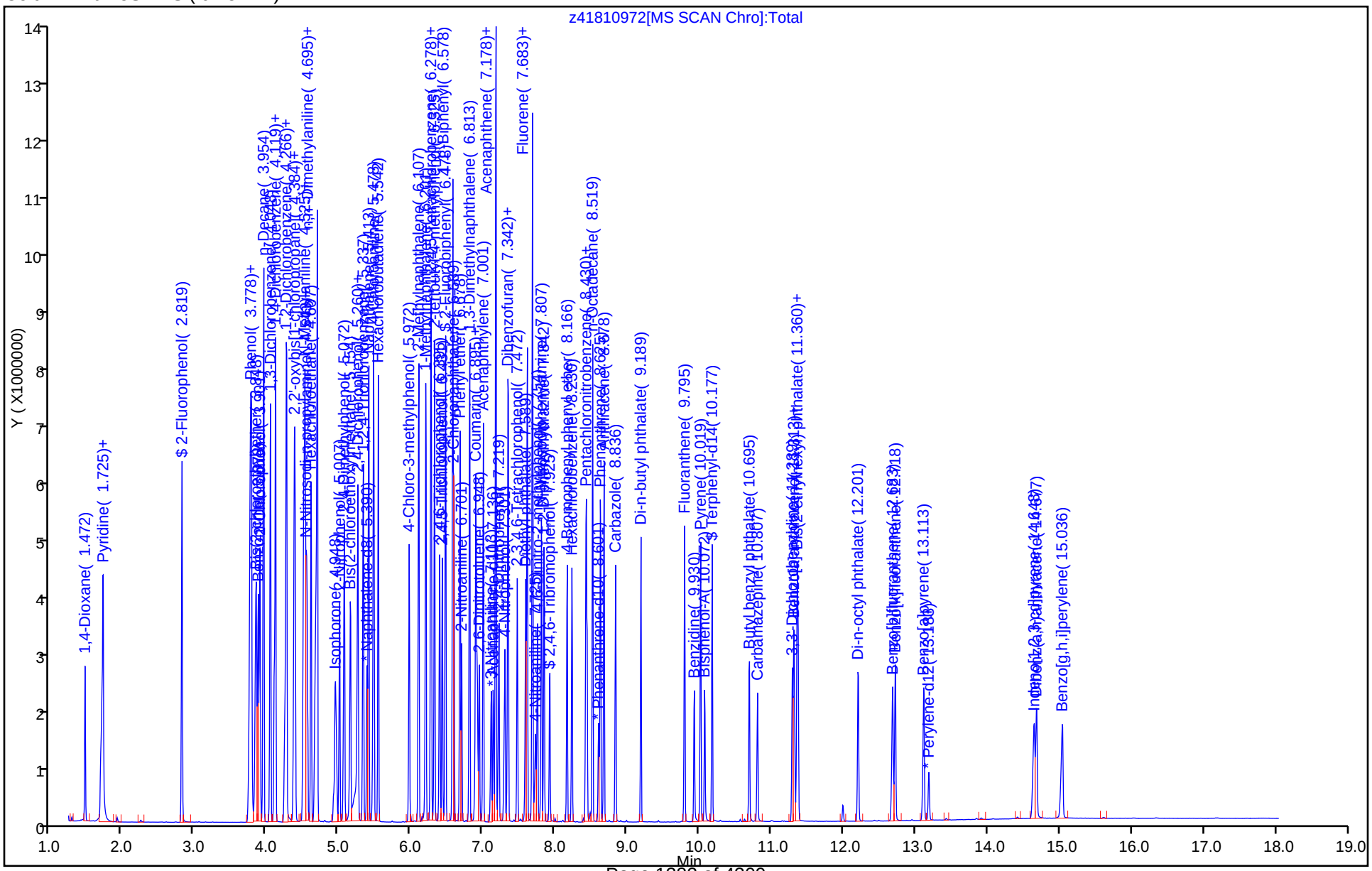
Report Date: 08-Aug-2016 14:24:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810972.D

Injection Date:	08-Aug-2016 07:11:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std120			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

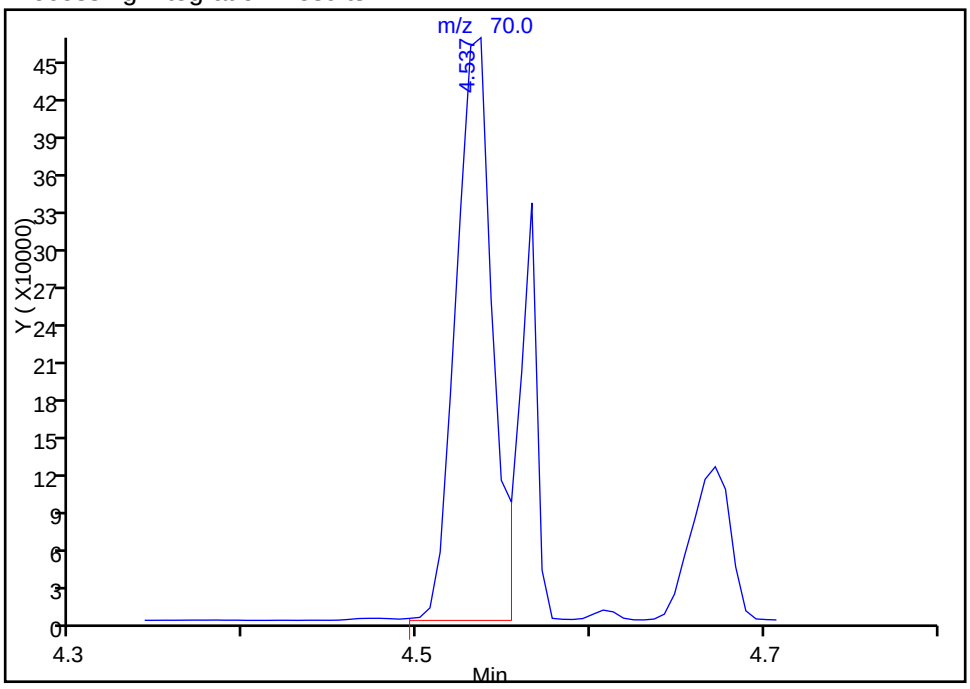
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810972.D				
Injection Date:	08-Aug-2016 07:11:30	Instrument ID:	CBNAMS11		
Lims ID:	std120				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

21 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

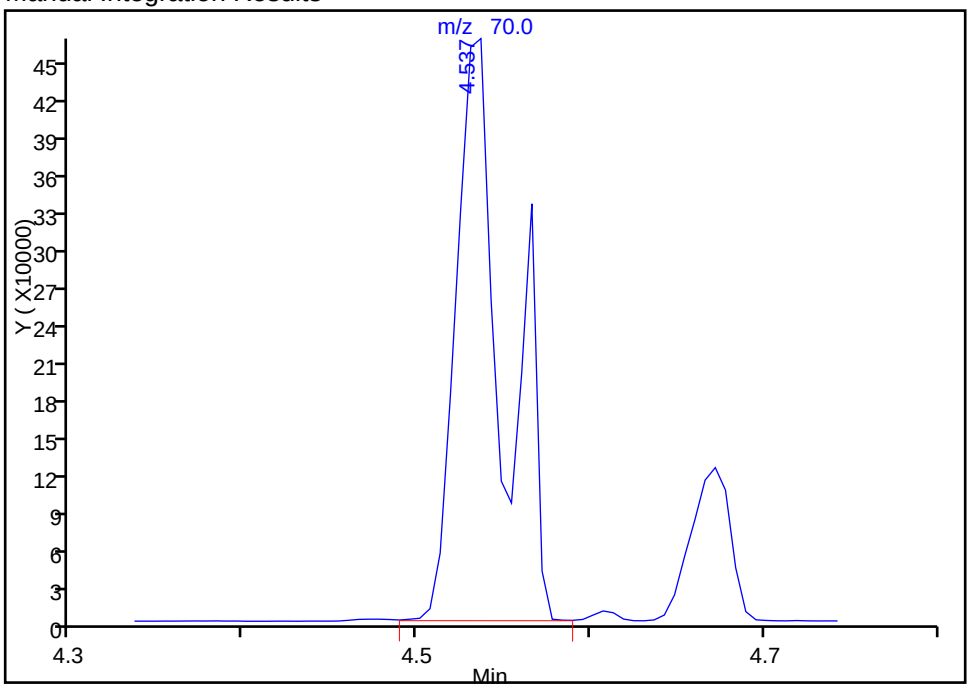
Processing Integration Results

RT: 4.54
Area: 689263
Amount: 96.172524
Amount Units: ug/ml



Manual Integration Results

RT: 4.54
Area: 888848
Amount: 115.8700
Amount Units: ug/ml



Reviewer: croccom, 08-Aug-2016 08:45:04

Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810972.D

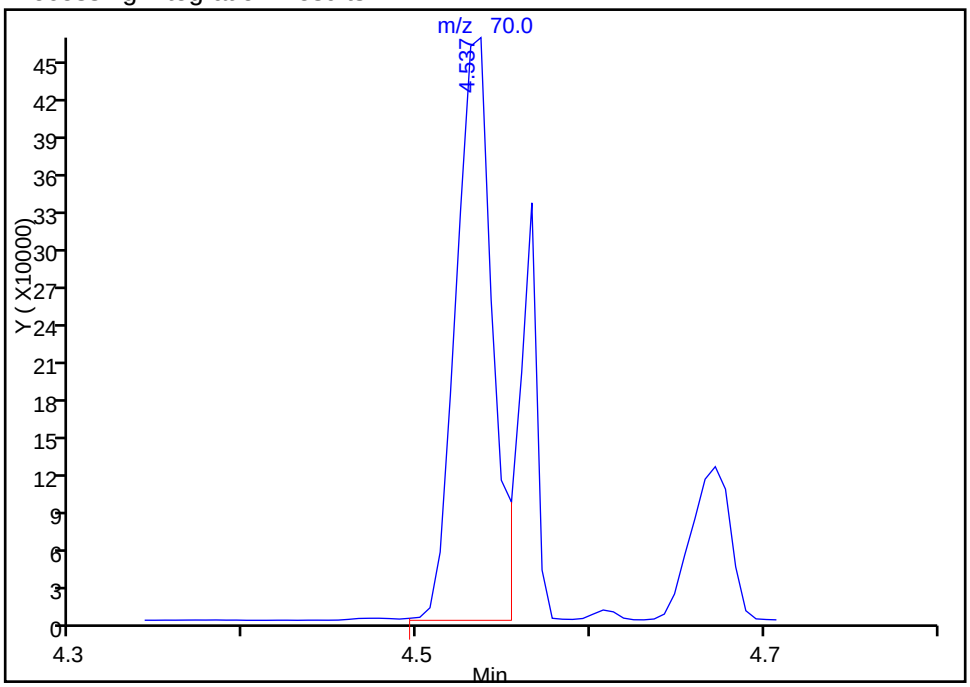
Injection Date:	08-Aug-2016 07:11:30	Instrument ID:	CBNAMS11		
Lims ID:	std120				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

21 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

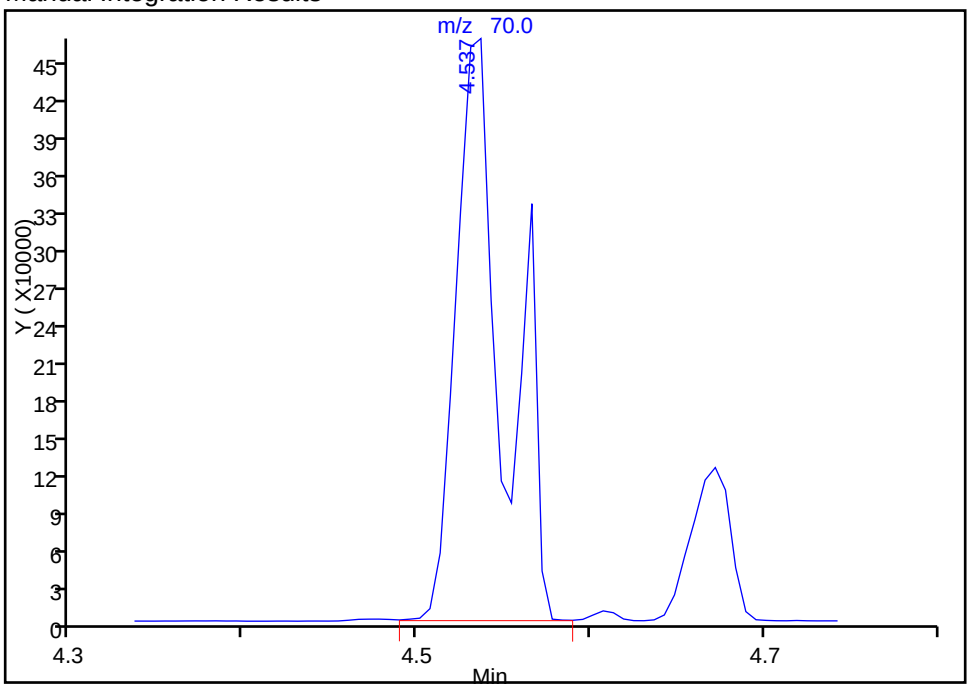
Processing Integration Results

RT: 4.54
Area: 689263
Amount: 96.172524
Amount Units: ug/ml



Manual Integration Results

RT: 4.54
Area: 888848
Amount: 115.8700
Amount Units: ug/ml



Reviewer: croccom, 08-Aug-2016 08:45:04

Audit Action: Manually Integrated Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810973.D
Lims ID: std80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 08-Aug-2016 07:35:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-004
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:24:35 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 08:46:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.472	1.478	-0.006	98	509332	80.0	81.6	
2 N-Nitrosodimethylamine	74	1.702	1.696	0.006	84	666102	80.0	80.7	
3 Pyridine	79	1.719	1.725	-0.006	86	1163731	80.0	80.8	
$ 4 2-Fluorophenol	112	2.819	2.813	0.006	94	1200876	80.0	84.1	
$ 6 Phenol-d5	99	3.760	3.748	0.012	90	1277393	80.0	80.3	
7 Phenol	94	3.772	3.766	0.006	94	1344680	80.0	77.1	
8 Aniline	93	3.772	3.766	0.006	96	1579026	80.0	80.3	
9 Bis(2-chloroethyl)ether	93	3.843	3.837	0.006	95	1042627	80.0	78.7	
10 Benzonitrile	103	3.866	3.860	0.006	0	1850395	NC	NC	
11 2-Chlorophenol	128	3.896	3.890	0.006	96	1159943	80.0	78.9	
12 n-Decane	43	3.948	3.948	0.000	90	1441000	80.0	78.0	
13 1,3-Dichlorobenzene	146	4.043	4.043	0.000	96	1385571	80.0	80.3	
* 14 1,4-Dichlorobenzene-d4	152	4.096	4.095	0.001	95	451082	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.113	4.113	0.000	95	1378221	80.0	79.8	
16 Benzyl alcohol	108	4.248	4.243	0.005	94	622960	80.0	83.0	
17 1,2-Dichlorobenzene	146	4.266	4.266	0.000	96	1261119	80.0	79.6	
18 2-Methylphenol	108	4.372	4.366	0.006	89	904685	80.0	77.6	
19 2,2'-oxybis[1-chloropropan	45	4.384	4.384	0.000	94	1398601	80.0	74.7	
20 N-Methylaniline	106	4.501	4.501	0.000	0	1512541	NC	NC	
22 Acetophenone	105	4.519	4.513	0.006	93	1244429	80.0	77.5	
21 N-Nitrosodi-n-propylamine	70	4.525	4.519	0.006	90	619712	80.0	76.9	
24 4-Methylphenol	108	4.537	4.531	0.006	94	895467	80.0	75.5	
23 3 & 4 Methylphenol	108	4.537	4.531	0.006	90	895467	80.0	75.5	
25 Hexachloroethane	117	4.607	4.607	0.000	93	510051	80.0	81.1	
$ 26 Nitrobenzene-d5	82	4.666	4.660	0.006	89	1009242	80.0	82.3	
27 Nitrobenzene	77	4.690	4.684	0.006	78	1316202	80.0	81.6	
28 n,n'-Dimethylaniline	120	4.690	4.684	0.006	91	1531829	80.0	77.2	
31 Isophorone	82	4.937	4.931	0.006	98	1411848	80.0	77.9	
32 2-Nitrophenol	139	5.001	5.001	0.000	93	537406	80.0	80.3	
33 2,4-Dimethylphenol	122	5.066	5.060	0.006	92	811503	80.0	78.3	
34 Bis(2-chloroethoxy)methane	93	5.148	5.148	0.000	98	987095	80.0	79.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.242	5.219	0.023	83	479019	80.0	80.6	
36 2,4-Dichlorophenol	162	5.254	5.248	0.006	96	779196	80.0	78.8	
37 1,2,4-Trichlorobenzene	180	5.331	5.331	0.000	94	965580	80.0	82.5	
* 38 Naphthalene-d8	136	5.384	5.384	0.000	99	1376904	40.0	40.0	
39 Naphthalene	128	5.407	5.407	0.000	100	2749234	80.0	79.6	
40 4-Chloroaniline	127	5.472	5.466	0.006	97	1021304	80.0	79.9	
41 Hexachlorobutadiene	225	5.542	5.542	0.000	97	579515	80.0	83.5	
43 4-Chloro-3-methylphenol	107	5.966	5.966	0.000	96	629285	80.0	79.0	
44 2-Methylnaphthalene	142	6.101	6.101	0.000	86	1703715	80.0	79.0	
45 1-Methylnaphthalene	142	6.201	6.195	0.006	93	1569164	80.0	79.3	
46 Hexachlorocyclopentadiene	237	6.272	6.266	0.006	98	631287	80.0	86.0	
47 1,2,4,5-Tetrachlorobenzene	216	6.278	6.272	0.006	99	853636	80.0	80.4	
48 2-tertbutyl-4-methylphenol	149	6.319	6.319	0.000	92	1177323	80.0	80.4	
49 2,4,6-Trichlorophenol	196	6.389	6.389	0.000	92	495510	80.0	81.4	
50 2,4,5-Trichlorophenol	196	6.425	6.425	0.000	98	496253	80.0	79.7	
$ 51 2-Fluorobiphenyl	172	6.472	6.472	0.000	98	1940756	80.0	82.6	
52 1,1'-Biphenyl	154	6.572	6.572	0.000	95	1936884	80.0	78.8	
53 2-Chloronaphthalene	162	6.589	6.584	0.005	97	1456670	80.0	78.5	
54 Phenyl ether	170	6.678	6.672	0.006	91	1069032	80.0	80.6	
55 2-Nitroaniline	65	6.695	6.689	0.006	94	387262	80.0	70.2	
57 1,3-Dimethylnaphthalene	156	6.807	6.807	0.000	93	1252642	80.0	80.3	
58 Dimethyl phthalate	163	6.889	6.884	0.005	99	1327178	80.0	80.3	
59 Coumarin	146	6.895	6.895	0.000	81	407564	80.0	80.0	
60 2,6-Dinitrotoluene	165	6.942	6.936	0.006	96	319667	80.0	82.1	
63 Acenaphthylene	152	6.995	6.995	0.000	98	2110438	80.0	79.1	
64 3-Nitroaniline	138	7.107	7.101	0.006	96	309914	80.0	79.5	
* 65 Acenaphthene-d10	164	7.136	7.136	0.000	92	585126	40.0	40.0	
67 Acenaphthene	154	7.172	7.172	0.000	94	1307832	80.0	79.5	
66 3,5-di-tert-butyl-4-hydrox	205	7.172	7.172	0.000	96	1533196	80.0	81.9	
68 2,4-Dinitrophenol	184	7.213	7.207	0.006	95	409809	160.0	167.5	
69 4-Nitrophenol	65	7.295	7.289	0.006	91	394982	160.0	165.3	
70 2,4-Dinitrotoluene	165	7.336	7.331	0.005	96	379085	80.0	83.9	
71 Dibenzofuran	168	7.342	7.342	0.000	96	1895477	80.0	79.7	
72 2,3,4,6-Tetrachlorophenol	232	7.472	7.466	0.006	97	376258	80.0	81.6	
73 Diethyl phthalate	149	7.584	7.578	0.006	99	1202511	80.0	79.9	
74 Fluorene	166	7.678	7.678	0.000	97	1459413	80.0	79.5	
75 4-Chlorophenyl phenyl ethe	204	7.684	7.678	0.006	92	740194	80.0	80.1	
76 4-Nitroaniline	138	7.713	7.707	0.006	87	253270	80.0	77.0	
77 4,6-Dinitro-2-methylphenol	198	7.748	7.742	0.006	92	460312	160.0	164.0	
78 N-Nitrosodiphenylamine	169	7.801	7.801	0.000	84	995200	80.0	81.3	
79 1,2-Diphenylhydrazine	77	7.842	7.836	0.006	96	1259515	80.0	81.2	
$ 80 2,4,6-Tribromophenol	330	7.919	7.919	0.000	94	233491	80.0	88.0	
81 4-Bromophenyl phenyl ether	248	8.160	8.160	0.000	94	421826	80.0	83.3	
82 Hexachlorobenzene	284	8.231	8.225	0.006	96	435225	80.0	86.4	
84 Pentachlorophenol	266	8.425	8.419	0.006	94	514643	160.0	166.4	
85 Pentachloronitrobenzene	237	8.436	8.436	0.000	90	151790	80.0	84.0	
86 n-Octadecane	57	8.519	8.513	0.006	92	1004662	80.0	83.9	
* 87 Phenanthrene-d10	188	8.595	8.595	0.000	98	739240	40.0	40.0	
88 Phenanthrene	178	8.625	8.619	0.006	97	1650147	80.0	80.4	
89 Anthracene	178	8.672	8.672	0.000	99	1715484	80.0	80.7	
90 Carbazole	167	8.830	8.830	0.000	96	1326510	80.0	79.3	
91 Di-n-butyl phthalate	149	9.189	9.183	0.006	100	1584607	80.0	80.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.789	9.789	0.000	98	1440990	80.0	80.1	
93 Benzidine	184	9.925	9.925	0.000	99	646186	80.0	84.0	
94 Pyrene	202	10.013	10.013	0.000	98	1419164	80.0	78.9	
95 Bisphenol-A	213	10.072	10.066	0.006	99	564770	80.0	85.6	
$ 96 Terphenyl-d14	244	10.172	10.172	0.000	99	1078134	80.0	82.4	
97 Butyl benzyl phthalate	149	10.689	10.689	0.000	96	507076	80.0	79.8	
99 Carbamazepine	193	10.801	10.795	0.006	92	410352	80.0	87.2	
100 3,3'-Dichlorobenzidine	252	11.283	11.283	0.000	99	389525	80.0	84.1	
101 Benzo[a]anthracene	228	11.307	11.301	0.006	98	1061136	80.0	81.1	
* 102 Chrysene-d12	240	11.319	11.319	0.000	99	445996	40.0	40.0	
103 Chrysene	228	11.354	11.348	0.006	99	984083	80.0	79.8	
104 Bis(2-ethylhexyl) phthalat	149	11.366	11.366	0.000	88	694368	80.0	81.5	
105 Di-n-octyl phthalate	149	12.201	12.195	0.006	97	1068633	80.0	78.2	
106 Benzo[b]fluoranthene	252	12.677	12.671	0.006	99	908952	80.0	78.4	
107 Benzo[k]fluoranthene	252	12.713	12.707	0.006	99	965660	80.0	81.6	
108 Benzo[a]pyrene	252	13.107	13.101	0.006	98	869997	80.0	82.1	
* 109 Perylene-d12	264	13.183	13.177	0.006	99	388557	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.636	14.630	0.006	99	845661	80.0	85.7	
111 Dibenz(a,h)anthracene	278	14.671	14.665	0.006	98	831671	80.0	84.8	
112 Benzo[g,h,i]perylene	276	15.024	15.018	0.006	98	827023	80.0	79.6	
S 119 Total Cresols	1				0			153.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L7_00011 Amount Added: 1.00 Units: mL

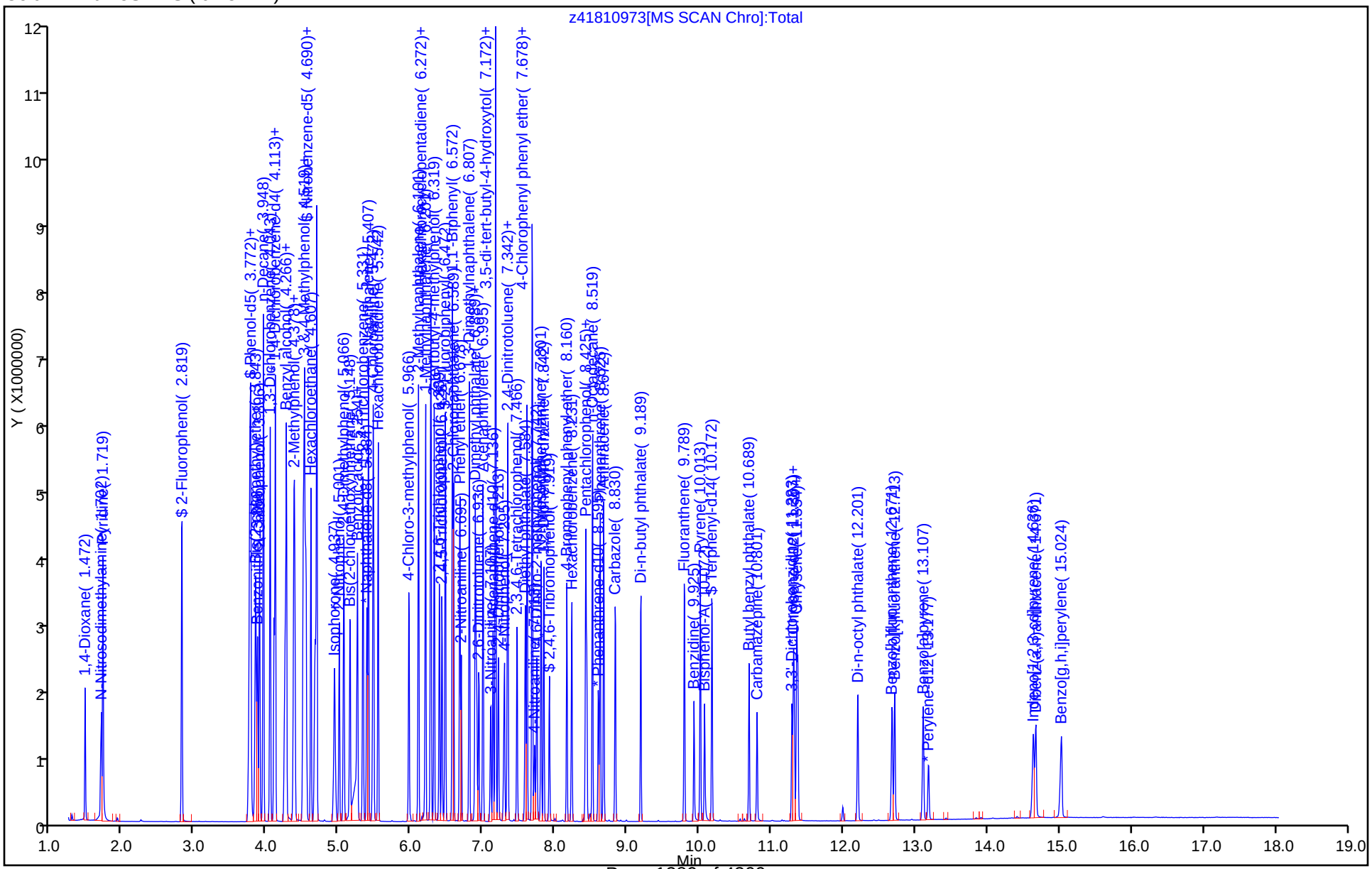
Report Date: 08-Aug-2016 14:24:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810973.D

Injection Date:	08-Aug-2016 07:35:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std80			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810974.D
Lims ID: std20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 08-Aug-2016 07:59:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-005
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:24:46 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 08:48:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.484	1.478	0.006	98	139594	20.0	19.6	
2 N-Nitrosodimethylamine	74	1.696	1.696	0.000	84	184708	20.0	19.6	
3 Pyridine	79	1.725	1.725	0.000	85	330756	20.0	20.1	
$ 4 2-Fluorophenol	112	2.813	2.813	0.000	94	314706	20.0	19.3	
$ 6 Phenol-d5	99	3.737	3.748	-0.011	87	348597	20.0	19.2	
7 Phenol	94	3.748	3.766	-0.018	93	406468	20.0	20.4	
8 Aniline	93	3.760	3.766	-0.006	93	455142	20.0	20.3	
9 Bis(2-chloroethyl)ether	93	3.825	3.837	-0.012	95	305539	20.0	20.2	
10 Benzonitrile	103	3.837	3.860	-0.023	0	542750	NC	NC	
11 2-Chlorophenol	128	3.884	3.890	-0.006	95	343307	20.0	20.5	
12 n-Decane	43	3.943	3.948	-0.006	91	433902	20.0	20.6	
13 1,3-Dichlorobenzene	146	4.037	4.043	-0.006	96	399513	20.0	20.3	
* 14 1,4-Dichlorobenzene-d4	152	4.090	4.095	-0.005	96	515323	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.107	4.113	-0.006	96	402537	20.0	20.4	
16 Benzyl alcohol	108	4.231	4.243	-0.012	94	161307	20.0	18.8	
17 1,2-Dichlorobenzene	146	4.260	4.266	-0.006	96	364540	20.0	20.2	
18 2-Methylphenol	108	4.360	4.366	-0.006	90	271051	20.0	20.3	
19 2,2'-oxybis[1-chloropropan	45	4.378	4.384	-0.006	94	441933	20.0	20.6	
20 N-Methylaniline	106	4.495	4.501	-0.006	0	438213	NC	NC	
22 Acetophenone	105	4.501	4.513	-0.012	93	375932	20.0	20.5	
21 N-Nitrosodi-n-propylamine	70	4.507	4.519	-0.012	92	182351	20.0	19.8	
24 4-Methylphenol	108	4.519	4.531	-0.012	96	275325	20.0	20.3	
23 3 & 4 Methylphenol	108	4.519	4.531	-0.012	92	275325	20.0	20.3	
25 Hexachloroethane	117	4.601	4.607	-0.006	94	148282	20.0	20.6	
$ 26 Nitrobenzene-d5	82	4.648	4.660	-0.012	90	271703	20.0	18.9	
27 Nitrobenzene	77	4.672	4.684	-0.012	94	386363	20.0	20.4	
28 n,n'-Dimethylaniline	120	4.678	4.684	-0.006	93	459847	20.0	20.3	
31 Isophorone	82	4.913	4.931	-0.018	98	426884	20.0	20.1	
32 2-Nitrophenol	139	4.995	5.001	-0.006	94	158608	20.0	20.2	
33 2,4-Dimethylphenol	122	5.054	5.060	-0.006	92	245296	20.0	20.2	
34 Bis(2-chloroethoxy)methane	93	5.142	5.148	-0.006	98	293874	20.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.166	5.219	-0.053	89	110757	20.0	18.2	
36 2,4-Dichlorophenol	162	5.242	5.248	-0.006	96	241013	20.0	20.8	
37 1,2,4-Trichlorobenzene	180	5.325	5.331	-0.006	94	285636	20.0	20.8	
* 38 Naphthalene-d8	136	5.378	5.384	-0.006	99	1614354	40.0	40.0	
39 Naphthalene	128	5.401	5.407	-0.006	99	822327	20.0	20.3	
40 4-Chloroaniline	127	5.460	5.466	-0.006	97	306607	20.0	20.5	
41 Hexachlorobutadiene	225	5.537	5.542	-0.006	96	168291	20.0	20.7	
43 4-Chloro-3-methylphenol	107	5.960	5.966	-0.006	95	185645	20.0	19.9	
44 2-Methylnaphthalene	142	6.095	6.101	-0.006	86	512142	20.0	20.3	
45 1-Methylnaphthalene	142	6.195	6.195	0.000	93	469708	20.0	20.2	
46 Hexachlorocyclopentadiene	237	6.266	6.266	0.000	97	171121	20.0	20.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.272	6.272	0.000	99	252791	20.0	20.5	
48 2-tertbutyl-4-methylphenol	149	6.313	6.319	-0.006	93	344061	20.0	20.0	
49 2,4,6-Trichlorophenol	196	6.384	6.389	-0.005	92	145077	20.0	20.5	
50 2,4,5-Trichlorophenol	196	6.419	6.425	-0.006	99	150741	20.0	20.8	
$ 51 2-Fluorobiphenyl	172	6.466	6.472	-0.006	98	522840	20.0	19.1	
52 1,1'-Biphenyl	154	6.566	6.572	-0.006	95	587396	20.0	20.6	
53 2-Chloronaphthalene	162	6.578	6.584	-0.006	98	444449	20.0	20.6	
54 Phenyl ether	170	6.672	6.672	0.000	86	312319	20.0	20.2	
55 2-Nitroaniline	65	6.683	6.689	-0.006	98	133799	20.0	20.9	
57 1,3-Dimethylnaphthalene	156	6.801	6.807	-0.006	93	366268	20.0	20.2	
58 Dimethyl phthalate	163	6.878	6.884	-0.006	99	388867	20.0	20.2	
59 Coumarin	146	6.883	6.895	-0.012	81	121465	20.0	20.3	
60 2,6-Dinitrotoluene	165	6.931	6.936	-0.005	95	94824	20.0	21.0	
63 Acenaphthylene	152	6.989	6.995	-0.006	98	640136	20.0	20.6	
64 3-Nitroaniline	138	7.095	7.101	-0.006	96	93564	20.0	20.7	
* 65 Acenaphthene-d10	164	7.131	7.136	-0.005	92	680211	40.0	40.0	
67 Acenaphthene	154	7.166	7.172	-0.006	94	392453	20.0	20.5	
66 3,5-di-tert-butyl-4-hydrox	205	7.166	7.172	-0.006	97	446232	20.0	20.5	
68 2,4-Dinitrophenol	184	7.195	7.207	-0.012	95	106895	40.0	39.7	
69 4-Nitrophenol	65	7.278	7.289	-0.011	92	114879	40.0	41.4	
70 2,4-Dinitrotoluene	165	7.325	7.331	-0.006	96	112200	20.0	21.3	
71 Dibenzofuran	168	7.336	7.342	-0.006	96	567251	20.0	20.5	
72 2,3,4,6-Tetrachlorophenol	232	7.466	7.466	0.000	98	110652	20.0	20.7	
73 Diethyl phthalate	149	7.572	7.578	-0.006	99	357381	20.0	20.4	
74 Fluorene	166	7.672	7.678	-0.006	97	440236	20.0	20.6	
75 4-Chlorophenyl phenyl ethe	204	7.678	7.678	0.000	93	221598	20.0	20.6	
76 4-Nitroaniline	138	7.695	7.707	-0.012	90	83122	20.0	21.7	
77 4,6-Dinitro-2-methylphenol	198	7.730	7.742	-0.012	91	131737	40.0	39.9	
78 N-Nitrosodiphenylamine	169	7.795	7.801	-0.006	69	297634	20.0	20.0	
79 1,2-Diphenylhydrazine	77	7.830	7.836	-0.006	97	373645	20.0	19.8	
$ 80 2,4,6-Tribromophenol	330	7.913	7.919	-0.006	93	61210	20.0	19.8	
81 4-Bromophenyl phenyl ether	248	8.154	8.160	-0.006	93	120415	20.0	19.5	
82 Hexachlorobenzene	284	8.225	8.225	0.000	96	124745	20.0	20.3	
84 Pentachlorophenol	266	8.419	8.419	0.000	95	139132	40.0	38.6	
85 Pentachloronitrobenzene	237	8.430	8.436	-0.006	89	43053	20.0	19.6	
86 n-Octadecane	57	8.513	8.513	0.000	93	288535	20.0	19.8	
* 87 Phenanthrene-d10	188	8.595	8.595	0.000	98	900242	40.0	40.0	
88 Phenanthrene	178	8.619	8.619	0.000	97	507113	20.0	20.3	
89 Anthracene	178	8.666	8.672	-0.006	99	526421	20.0	20.3	
90 Carbazole	167	8.825	8.830	-0.005	96	410999	20.0	20.2	
91 Di-n-butyl phthalate	149	9.183	9.183	0.000	100	485317	20.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.789	9.789	0.000	98	453319	20.0	20.7	
93 Benzidine	184	9.924	9.925	-0.001	99	206375	20.0	22.0	
94 Pyrene	202	10.007	10.013	-0.006	97	444843	20.0	20.0	
95 Bisphenol-A	213	10.072	10.066	0.006	99	162443	20.0	19.9	
$ 96 Terphenyl-d14	244	10.172	10.172	0.000	99	304689	20.0	18.8	
97 Butyl benzyl phthalate	149	10.683	10.689	-0.006	96	160296	20.0	20.4	
99 Carbamazepine	193	10.795	10.795	0.000	92	116039	20.0	20.0	
100 3,3'-Dichlorobenzidine	252	11.277	11.283	-0.006	99	121603	20.0	21.2	
101 Benzo[a]anthracene	228	11.301	11.301	0.000	98	330367	20.0	20.4	
* 102 Chrysene-d12	240	11.313	11.319	-0.006	99	550831	40.0	40.0	
103 Chrysene	228	11.342	11.348	-0.006	99	309810	20.0	20.3	
104 Bis(2-ethylhexyl) phthalat	149	11.366	11.366	0.000	87	215635	20.0	20.5	
105 Di-n-octyl phthalate	149	12.195	12.195	0.000	97	319288	20.0	20.7	
106 Benzo[b]fluoranthene	252	12.665	12.671	-0.006	99	268305	20.0	20.5	
107 Benzo[k]fluoranthene	252	12.701	12.707	-0.006	99	276842	20.0	20.7	
108 Benzo[a]pyrene	252	13.101	13.101	0.000	97	249312	20.0	20.8	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	439255	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.624	14.630	-0.006	99	231763	20.0	20.8	
111 Dibenz(a,h)anthracene	278	14.659	14.665	-0.006	97	230140	20.0	20.8	
112 Benzo[g,h,i]perylene	276	15.006	15.018	-0.012	98	233196	20.0	20.2	
S 119 Total Cresols	1				0			40.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L5_00011 Amount Added: 1.00 Units: mL

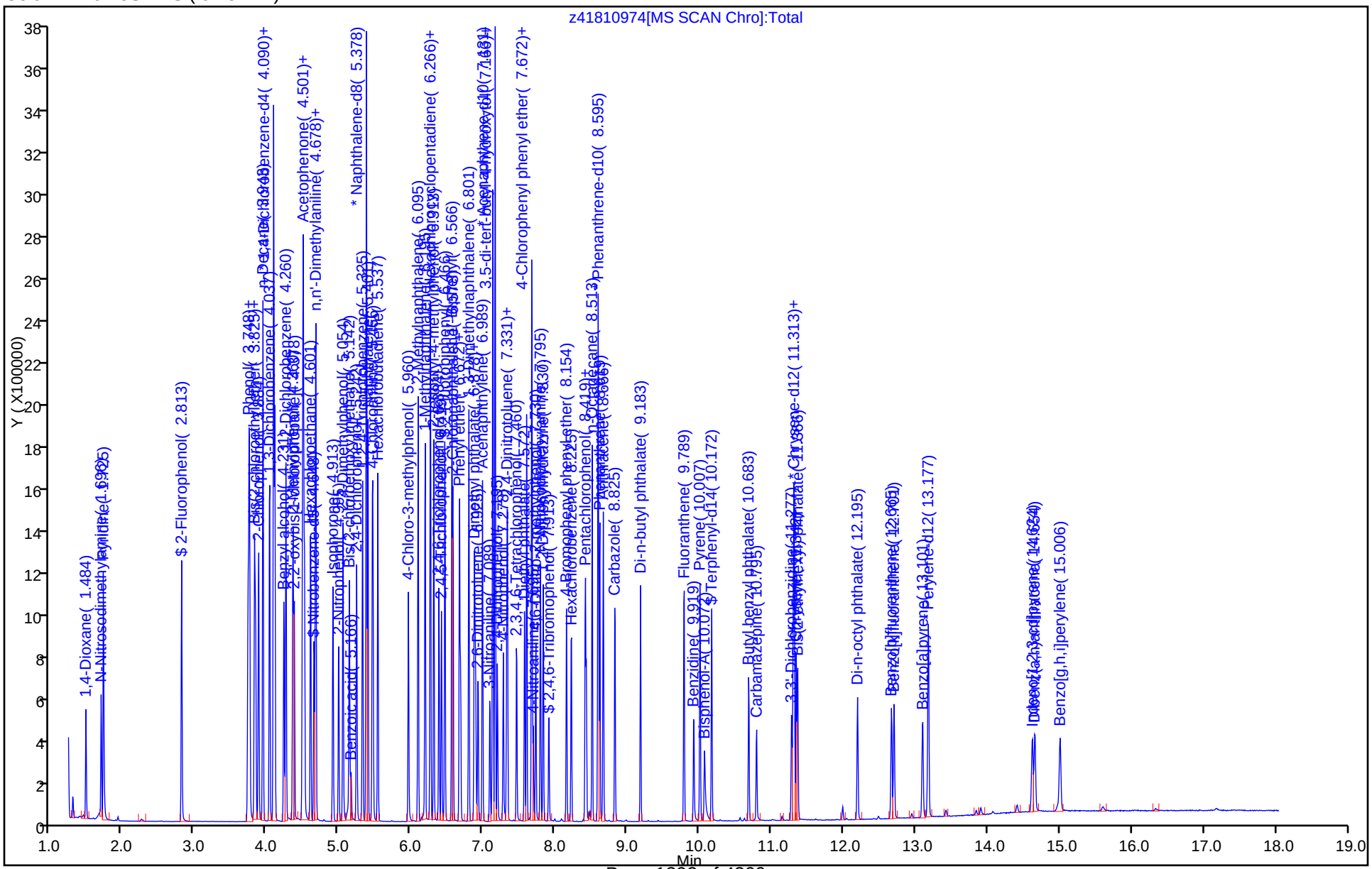
Report Date: 08-Aug-2016 14:24:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810974.D

Injection Date:	08-Aug-2016 07:59:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std20			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810975.D
Lims ID: std10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 08-Aug-2016 08:23:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-006
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:24:55 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 08:55:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.490	1.478	0.012	98	78828	10.0	9.98	
2 N-Nitrosodimethylamine	74	1.702	1.696	0.006	85	104729	10.0	10.0	
3 Pyridine	79	1.731	1.725	0.006	85	184441	10.0	10.1	
$ 4 2-Fluorophenol	112	2.813	2.813	0.000	93	178433	10.0	9.88	
$ 6 Phenol-d5	99	3.731	3.748	-0.017	85	198897	10.0	9.88	
7 Phenol	94	3.743	3.766	-0.023	98	228373	10.0	10.4	
8 Aniline	93	3.754	3.766	-0.012	94	251599	10.0	10.1	
9 Bis(2-chloroethyl)ether	93	3.819	3.837	-0.018	95	170542	10.0	10.2	
10 Benzonitrile	103	3.831	3.860	-0.029	0	310224	NC	NC	
11 2-Chlorophenol	128	3.878	3.890	-0.012	95	190353	10.0	10.2	
12 n-Decane	43	3.943	3.948	-0.005	91	242612	10.0	10.4	
13 1,3-Dichlorobenzene	146	4.031	4.043	-0.012	96	223197	10.0	10.2	
* 14 1,4-Dichlorobenzene-d4	152	4.090	4.095	-0.005	96	570582	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.107	4.113	-0.006	97	224205	10.0	10.3	
16 Benzyl alcohol	108	4.231	4.243	-0.012	93	87878	10.0	9.25	
17 1,2-Dichlorobenzene	146	4.260	4.266	-0.006	97	206536	10.0	10.3	
18 2-Methylphenol	108	4.354	4.366	-0.012	90	157075	10.0	10.6	
19 2,2'-oxybis[1-chloropropan	45	4.372	4.384	-0.012	94	254989	10.0	10.8	
20 N-Methylaniline	106	4.490	4.501	-0.011	0	253866	NC	NC	
22 Acetophenone	105	4.496	4.513	-0.017	93	213230	10.0	10.5	
21 N-Nitrosodi-n-propylamine	70	4.501	4.519	-0.018	92	106791	10.0	10.5	
24 4-Methylphenol	108	4.513	4.531	-0.018	94	163428	10.0	10.9	
23 3 & 4 Methylphenol	108	4.513	4.531	-0.018	90	163428	10.0	10.9	
25 Hexachloroethane	117	4.601	4.607	-0.006	94	83105	10.0	10.4	
$ 26 Nitrobenzene-d5	82	4.649	4.660	-0.011	89	159543	10.0	9.90	
27 Nitrobenzene	77	4.666	4.684	-0.018	94	216840	10.0	10.2	
28 n,n'-Dimethylaniline	120	4.678	4.684	-0.006	93	261948	10.0	10.4	
31 Isophorone	82	4.907	4.931	-0.024	98	242464	10.0	10.2	
32 2-Nitrophenol	139	4.990	5.001	-0.011	93	88362	10.0	10.0	
33 2,4-Dimethylphenol	122	5.048	5.060	-0.012	92	140987	10.0	10.3	
34 Bis(2-chloroethoxy)methane	93	5.137	5.148	-0.011	98	166776	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.148	5.219	-0.071	88	58499	10.0	10.1	
36 2,4-Dichlorophenol	162	5.243	5.248	-0.005	96	135915	10.0	10.5	
37 1,2,4-Trichlorobenzene	180	5.325	5.331	-0.006	94	160707	10.0	10.4	
* 38 Naphthalene-d8	136	5.378	5.384	-0.006	99	1810999	40.0	40.0	
39 Naphthalene	128	5.396	5.407	-0.011	99	461882	10.0	10.2	
40 4-Chloroaniline	127	5.460	5.466	-0.006	97	169647	10.0	10.1	
41 Hexachlorobutadiene	225	5.537	5.542	-0.005	96	93500	10.0	10.2	
43 4-Chloro-3-methylphenol	107	5.960	5.966	-0.006	96	106355	10.0	10.2	
44 2-Methylnaphthalene	142	6.095	6.101	-0.006	86	287594	10.0	10.1	
45 1-Methylnaphthalene	142	6.190	6.195	-0.005	93	264177	10.0	10.1	
46 Hexachlorocyclopentadiene	237	6.266	6.266	0.000	98	92794	10.0	9.70	
47 1,2,4,5-Tetrachlorobenzene	216	6.266	6.272	-0.006	98	141492	10.0	10.2	
48 2-tertbutyl-4-methylphenol	149	6.313	6.319	-0.006	93	196908	10.0	10.2	
49 2,4,6-Trichlorophenol	196	6.384	6.389	-0.005	92	81412	10.0	10.3	
50 2,4,5-Trichlorophenol	196	6.419	6.425	-0.006	98	83113	10.0	10.2	
$ 51 2-Fluorobiphenyl	172	6.466	6.472	-0.006	98	302836	10.0	9.89	
52 1,1'-Biphenyl	154	6.560	6.572	-0.012	95	326686	10.0	10.2	
53 2-Chloronaphthalene	162	6.578	6.584	-0.006	98	247604	10.0	10.2	
54 Phenyl ether	170	6.672	6.672	0.000	86	178004	10.0	10.3	
55 2-Nitroaniline	65	6.684	6.689	-0.005	97	75954	10.0	10.6	
57 1,3-Dimethylnaphthalene	156	6.801	6.807	-0.006	94	205794	10.0	10.1	
58 Dimethyl phthalate	163	6.872	6.884	-0.012	99	217468	10.0	10.1	
59 Coumarin	146	6.884	6.895	-0.011	80	67471	10.0	10.1	
60 2,6-Dinitrotoluene	165	6.925	6.936	-0.011	96	53625	10.0	10.6	
63 Acenaphthylene	152	6.990	6.995	-0.005	97	353374	10.0	10.2	
64 3-Nitroaniline	138	7.090	7.101	-0.011	96	52002	10.0	10.2	
* 65 Acenaphthene-d10	164	7.131	7.136	-0.005	92	762398	40.0	40.0	
67 Acenaphthene	154	7.160	7.172	-0.012	94	218798	10.0	10.2	
66 3,5-di-tert-butyl-4-hydrox	205	7.166	7.172	-0.006	96	250000	10.0	10.2	
68 2,4-Dinitrophenol	184	7.195	7.207	-0.012	95	51159	20.0	18.6	
69 4-Nitrophenol	65	7.272	7.289	-0.017	94	61311	20.0	19.7	
70 2,4-Dinitrotoluene	165	7.325	7.331	-0.006	97	62448	10.0	10.6	
71 Dibenzofuran	168	7.331	7.342	-0.011	96	315420	10.0	10.2	
72 2,3,4,6-Tetrachlorophenol	232	7.460	7.466	-0.006	96	57692	10.0	9.61	
73 Diethyl phthalate	149	7.572	7.578	-0.006	99	197745	10.0	10.1	
74 Fluorene	166	7.672	7.678	-0.006	97	242489	10.0	10.1	
75 4-Chlorophenyl phenyl ethe	204	7.672	7.678	-0.006	91	120676	10.0	10.0	
76 4-Nitroaniline	138	7.689	7.707	-0.018	89	45130	10.0	10.5	
77 4,6-Dinitro-2-methylphenol	198	7.725	7.742	-0.017	90	67598	20.0	19.5	
78 N-Nitrosodiphenylamine	169	7.789	7.801	-0.012	67	162492	10.0	9.88	
79 1,2-Diphenylhydrazine	77	7.831	7.836	-0.005	97	210074	10.0	10.1	
$ 80 2,4,6-Tribromophenol	330	7.907	7.919	-0.012	95	33537	10.0	9.70	
81 4-Bromophenyl phenyl ether	248	8.154	8.160	-0.006	94	67041	10.0	9.85	
82 Hexachlorobenzene	284	8.219	8.225	-0.006	97	67610	10.0	9.99	
84 Pentachlorophenol	266	8.419	8.419	0.000	95	69837	20.0	18.7	
85 Pentachloronitrobenzene	237	8.431	8.436	-0.005	90	24082	10.0	9.91	
86 n-Octadecane	57	8.513	8.513	0.000	93	153076	10.0	9.51	
* 87 Phenanthrene-d10	188	8.595	8.595	0.000	98	993601	40.0	40.0	
88 Phenanthrene	178	8.613	8.619	-0.006	97	275184	10.0	9.98	
89 Anthracene	178	8.666	8.672	-0.006	99	286956	10.0	10.0	
90 Carbazole	167	8.825	8.830	-0.005	95	231815	10.0	10.3	
91 Di-n-butyl phthalate	149	9.184	9.183	0.001	100	272157	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.783	9.789	-0.006	98	242226	10.0	10.0	
93 Benzidine	184	9.919	9.925	-0.006	99	98362	10.0	9.52	
94 Pyrene	202	10.007	10.013	-0.006	97	239790	10.0	10.5	
95 Bisphenol-A	213	10.078	10.066	0.012	99	83270	10.0	9.97	
$ 96 Terphenyl-d14	244	10.172	10.172	0.000	99	165357	10.0	9.98	
97 Butyl benzyl phthalate	149	10.683	10.689	-0.006	96	81590	10.0	10.1	
99 Carbamazepine	193	10.789	10.795	-0.006	92	56188	10.0	9.43	
100 3,3'-Dichlorobenzidine	252	11.277	11.283	-0.006	98	56232	10.0	9.59	
101 Benzo[a]anthracene	228	11.301	11.301	0.000	98	168201	10.0	10.1	
* 102 Chrysene-d12	240	11.313	11.319	-0.006	99	564491	40.0	40.0	
103 Chrysene	228	11.342	11.348	-0.006	99	158327	10.0	10.1	
104 Bis(2-ethylhexyl) phthalat	149	11.366	11.366	0.000	88	106140	10.0	9.84	
105 Di-n-octyl phthalate	149	12.195	12.195	0.000	97	157120	10.0	10.1	
106 Benzo[b]fluoranthene	252	12.666	12.671	-0.005	99	135809	10.0	10.3	
107 Benzo[k]fluoranthene	252	12.701	12.707	-0.006	99	134684	10.0	10.0	
108 Benzo[a]pyrene	252	13.095	13.101	-0.006	98	122614	10.0	10.2	
* 109 Perylene-d12	264	13.177	13.177	0.000	98	440494	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.618	14.630	-0.012	99	110638	10.0	9.89	
111 Dibenz(a,h)anthracene	278	14.654	14.665	-0.011	98	113932	10.0	10.2	
112 Benzo[g,h,i]perylene	276	15.007	15.018	-0.011	98	114629	10.0	10.0	
S 119 Total Cresols	1				0			21.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L4_00011 Amount Added: 1.00 Units: mL

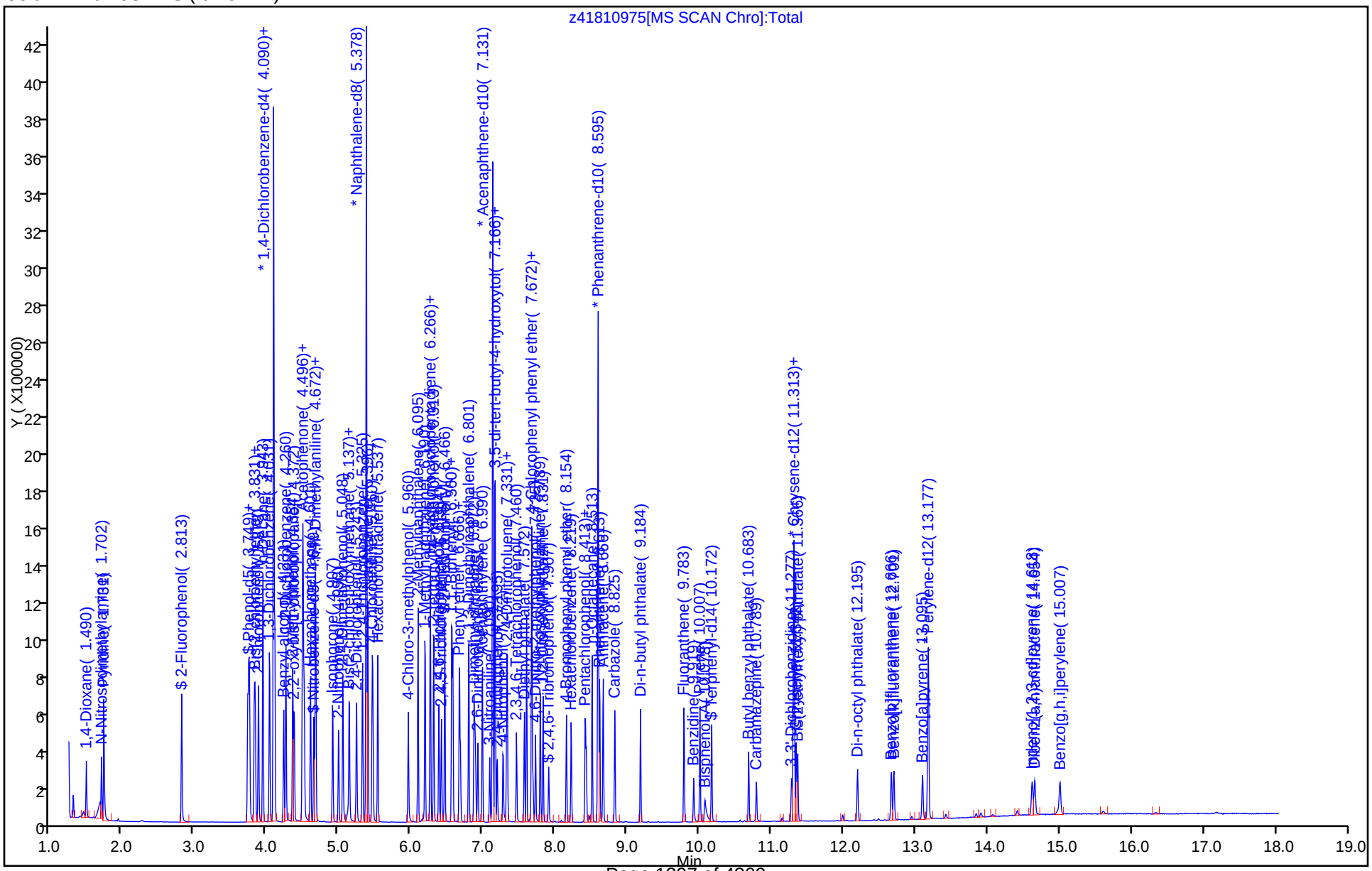
Report Date: 08-Aug-2016 14:24:56 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810975.D

Injection Date:	08-Aug-2016 08:23:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std10			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810976.D
Lims ID: std5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-Aug-2016 08:47:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-007
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:25:05 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 09:17:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.496	1.478	0.018	98	38177	5.00	4.85	
2 N-Nitrosodimethylamine	74	1.701	1.696	0.005	84	49351	5.00	4.74	
3 Pyridine	79	1.737	1.725	0.012	84	84606	5.00	4.66	
$ 4 2-Fluorophenol	112	2.813	2.813	0.000	93	86966	5.00	4.83	
$ 6 Phenol-d5	99	3.725	3.748	-0.023	85	98847	5.00	4.93	
7 Phenol	94	3.743	3.766	-0.023	97	107895	5.00	4.91	
8 Aniline	93	3.754	3.766	-0.012	99	115553	5.00	4.66	
9 Bis(2-chloroethyl)ether	93	3.819	3.837	-0.018	95	81019	5.00	4.85	
10 Benzonitrile	103	3.831	3.860	-0.029	0	145262	NC	NC	
11 2-Chlorophenol	128	3.878	3.890	-0.012	95	90462	5.00	4.89	
12 n-Decane	43	3.943	3.948	-0.005	92	116672	5.00	5.01	
13 1,3-Dichlorobenzene	146	4.031	4.043	-0.012	95	104047	5.00	4.79	
* 14 1,4-Dichlorobenzene-d4	152	4.090	4.095	-0.005	95	568343	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.107	4.113	-0.006	92	105386	5.00	4.84	
16 Benzyl alcohol	108	4.231	4.243	-0.012	94	43449	5.00	4.59	
17 1,2-Dichlorobenzene	146	4.260	4.266	-0.006	96	96841	5.00	4.85	
18 2-Methylphenol	108	4.354	4.366	-0.012	89	71083	5.00	4.84	
19 2,2'-oxybis[1-chloropropan	45	4.372	4.384	-0.012	94	123030	5.00	5.21	
20 N-Methylaniline	106	4.490	4.501	-0.011	0	116492	NC	NC	
22 Acetophenone	105	4.495	4.513	-0.018	94	99847	5.00	4.94	
21 N-Nitrosodi-n-propylamine	70	4.501	4.519	-0.018	92	50258	5.00	4.95	
24 4-Methylphenol	108	4.513	4.531	-0.018	98	74227	5.00	4.97	
23 3 & 4 Methylphenol	108	4.513	4.531	-0.018	95	74227	5.00	4.97	
25 Hexachloroethane	117	4.601	4.607	-0.006	93	38816	5.00	4.90	
$ 26 Nitrobenzene-d5	82	4.648	4.660	-0.012	89	79022	5.00	4.87	
27 Nitrobenzene	77	4.666	4.684	-0.018	94	105119	5.00	4.92	
28 n,n'-Dimethylaniline	120	4.672	4.684	-0.012	93	121999	5.00	4.88	
31 Isophorone	82	4.907	4.931	-0.024	98	119606	5.00	4.98	
32 2-Nitrophenol	139	4.990	5.001	-0.011	92	41755	5.00	4.71	
33 2,4-Dimethylphenol	122	5.048	5.060	-0.012	92	67028	5.00	4.88	
34 Bis(2-chloroethoxy)methane	93	5.137	5.148	-0.011	99	78895	5.00	4.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.119	5.219	-0.100	85	17606	5.00	5.07	
36 2,4-Dichlorophenol	162	5.237	5.248	-0.011	95	64029	5.00	4.89	
37 1,2,4-Trichlorobenzene	180	5.325	5.331	-0.006	94	76550	5.00	4.94	
* 38 Naphthalene-d8	136	5.378	5.384	-0.006	99	1824131	40.0	40.0	
39 Naphthalene	128	5.395	5.407	-0.012	99	218902	5.00	4.78	
40 4-Chloroaniline	127	5.454	5.466	-0.012	97	79859	5.00	4.72	
41 Hexachlorobutadiene	225	5.537	5.542	-0.005	97	45121	5.00	4.91	
43 4-Chloro-3-methylphenol	107	5.960	5.966	-0.006	95	50925	5.00	4.83	
44 2-Methylnaphthalene	142	6.095	6.101	-0.006	86	137687	5.00	4.82	
45 1-Methylnaphthalene	142	6.189	6.195	-0.006	93	125356	5.00	4.78	
46 Hexachlorocyclopentadiene	237	6.260	6.266	-0.006	97	41529	5.00	4.24	
47 1,2,4,5-Tetrachlorobenzene	216	6.266	6.272	-0.006	98	67494	5.00	4.76	
48 2-tertbutyl-4-methylphenol	149	6.313	6.319	-0.006	93	92253	5.00	4.76	
49 2,4,6-Trichlorophenol	196	6.384	6.389	-0.005	91	38343	5.00	4.72	
50 2,4,5-Trichlorophenol	196	6.419	6.425	-0.006	98	39644	5.00	4.77	
$ 51 2-Fluorobiphenyl	172	6.466	6.472	-0.006	98	154722	5.00	4.93	
52 1,1'-Biphenyl	154	6.560	6.572	-0.012	95	155427	5.00	4.74	
53 2-Chloronaphthalene	162	6.578	6.584	-0.006	99	118862	5.00	4.80	
54 Phenyl ether	170	6.666	6.672	-0.006	87	84576	5.00	4.77	
55 2-Nitroaniline	65	6.678	6.689	-0.011	97	35987	5.00	4.89	
57 1,3-Dimethylnaphthalene	156	6.795	6.807	-0.012	94	100774	5.00	4.84	
58 Dimethyl phthalate	163	6.872	6.884	-0.012	99	105259	5.00	4.77	
59 Coumarin	146	6.884	6.895	-0.011	79	32219	5.00	4.77	
60 2,6-Dinitrotoluene	165	6.925	6.936	-0.011	96	25669	5.00	4.94	
63 Acenaphthylene	152	6.984	6.995	-0.011	97	171989	5.00	4.83	
64 3-Nitroaniline	138	7.089	7.101	-0.012	95	24797	5.00	4.77	
* 65 Acenaphthene-d10	164	7.131	7.136	-0.005	92	781231	40.0	40.0	
67 Acenaphthene	154	7.160	7.172	-0.012	95	105526	5.00	4.81	
66 3,5-di-tert-butyl-4-hydrox	205	7.166	7.172	-0.006	97	116189	5.00	4.65	
68 2,4-Dinitrophenol	184	7.195	7.207	-0.012	94	20701	10.0	9.00	
69 4-Nitrophenol	65	7.272	7.289	-0.017	91	27000	10.0	8.46	
70 2,4-Dinitrotoluene	165	7.325	7.331	-0.006	96	29142	5.00	4.83	
71 Dibenzofuran	168	7.331	7.342	-0.011	96	152521	5.00	4.80	
72 2,3,4,6-Tetrachlorophenol	232	7.460	7.466	-0.006	97	28022	5.00	4.55	
73 Diethyl phthalate	149	7.566	7.578	-0.012	99	95887	5.00	4.77	
74 Fluorene	166	7.672	7.678	-0.006	97	117122	5.00	4.78	
75 4-Chlorophenyl phenyl ethe	204	7.672	7.678	-0.006	90	58977	5.00	4.78	
76 4-Nitroaniline	138	7.689	7.707	-0.018	90	19902	5.00	4.53	
77 4,6-Dinitro-2-methylphenol	198	7.725	7.742	-0.017	90	28999	10.0	9.26	
78 N-Nitrosodiphenylamine	169	7.789	7.801	-0.012	67	78209	5.00	4.69	
79 1,2-Diphenylhydrazine	77	7.831	7.836	-0.006	97	99521	5.00	4.71	
$ 80 2,4,6-Tribromophenol	330	7.907	7.919	-0.012	94	16956	5.00	4.79	
81 4-Bromophenyl phenyl ether	248	8.154	8.160	-0.006	93	31404	5.00	4.56	
82 Hexachlorobenzene	284	8.219	8.225	-0.006	97	32347	5.00	4.72	
84 Pentachlorophenol	266	8.413	8.419	-0.006	94	29398	10.0	9.06	
85 Pentachloronitrobenzene	237	8.430	8.436	-0.006	90	10977	5.00	4.46	
86 n-Octadecane	57	8.513	8.513	0.000	92	72267	5.00	4.43	
* 87 Phenanthrene-d10	188	8.595	8.595	0.000	98	1006246	40.0	40.0	
88 Phenanthrene	178	8.613	8.619	-0.006	97	135406	5.00	4.85	
89 Anthracene	178	8.666	8.672	-0.006	99	136001	5.00	4.70	
90 Carbazole	167	8.825	8.830	-0.005	96	112008	5.00	4.92	
91 Di-n-butyl phthalate	149	9.183	9.183	0.000	100	129146	5.00	4.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.783	9.789	-0.006	98	118356	5.00	4.83	
93 Benzidine	184	9.919	9.925	-0.006	99	49685	5.00	4.75	
94 Pyrene	202	10.007	10.013	-0.006	97	117226	5.00	4.90	
95 Bisphenol-A	213	10.083	10.066	0.017	99	44947	5.00	5.13	
$ 96 Terphenyl-d14	244	10.172	10.172	0.000	99	85284	5.00	4.90	
97 Butyl benzyl phthalate	149	10.683	10.689	-0.006	97	41102	5.00	4.86	
99 Carbamazepine	193	10.789	10.795	-0.006	91	25750	5.00	4.12	
100 3,3'-Dichlorobenzidine	252	11.277	11.283	-0.006	98	28119	5.00	4.56	
101 Benzo[a]anthracene	228	11.301	11.301	0.000	97	86640	5.00	4.90	
* 102 Chrysene-d12	240	11.313	11.319	-0.006	99	592925	40.0	40.0	
103 Chrysene	228	11.342	11.348	-0.006	99	79483	5.00	4.85	
104 Bis(2-ethylhexyl) phthalat	149	11.366	11.366	0.000	88	52712	5.00	4.65	
105 Di-n-octyl phthalate	149	12.195	12.195	0.000	97	77104	5.00	4.75	
106 Benzo[b]fluoranthene	252	12.665	12.671	-0.006	99	68337	5.00	4.95	
107 Benzo[k]fluoranthene	252	12.701	12.707	-0.006	99	66111	5.00	4.70	
108 Benzo[a]pyrene	252	13.095	13.101	-0.006	97	59665	5.00	4.73	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	462156	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.618	14.630	-0.012	99	54783	5.00	4.67	
111 Dibenz(a,h)anthracene	278	14.654	14.665	-0.011	98	54180	5.00	4.64	
112 Benzo[g,h,i]perylene	276	15.001	15.018	-0.017	99	55778	5.00	4.75	
S 119 Total Cresols	1				0			9.81	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L3_00013 Amount Added: 1.00 Units: mL

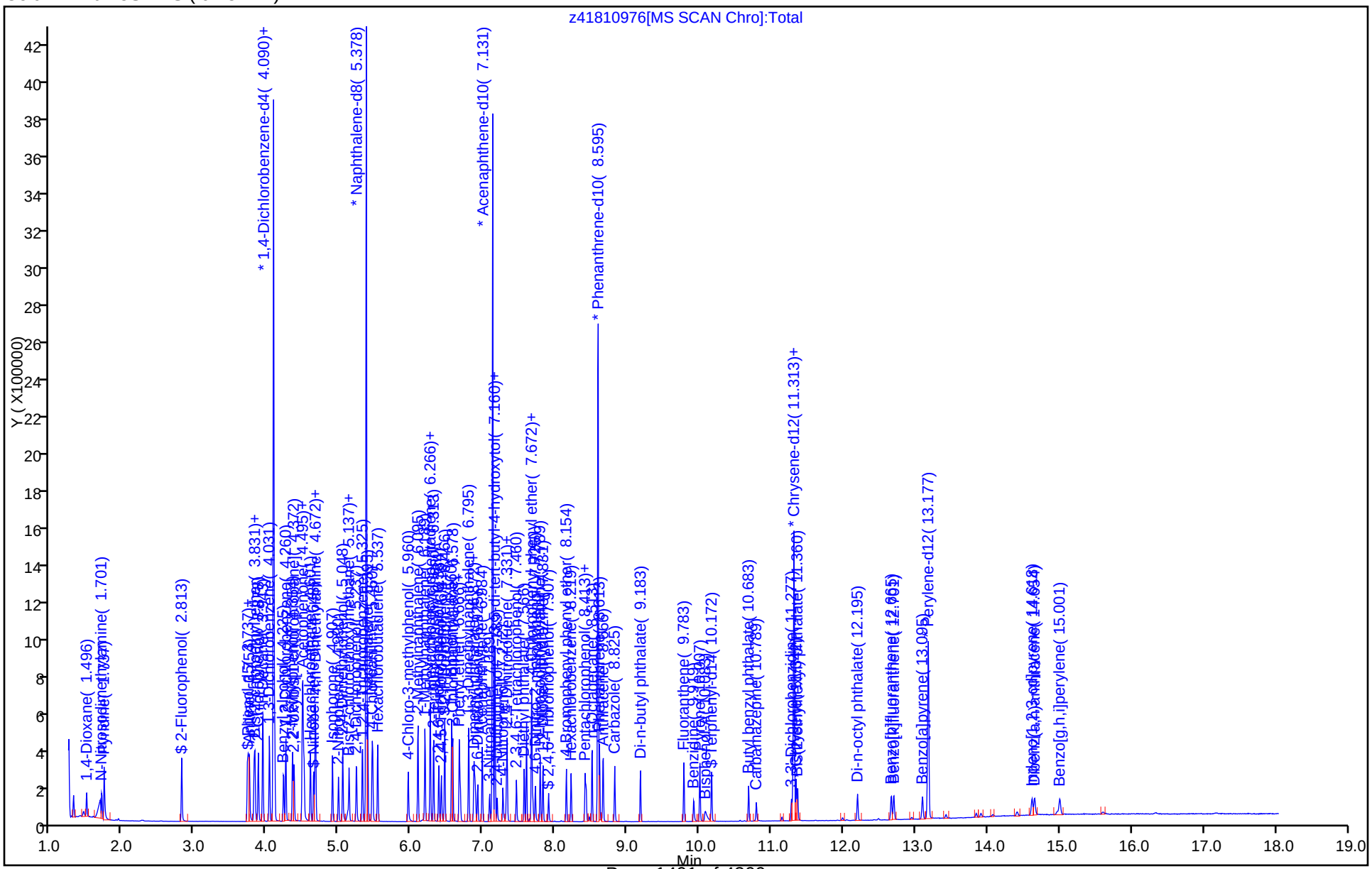
Report Date: 08-Aug-2016 14:25:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810976.D

Injection Date:	08-Aug-2016 08:47:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std5			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810977.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Aug-2016 09:11:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-008
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:25:15 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 09:51:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.813	2.813	0.000	94	36260	2.00	2.05	
$ 6 Phenol-d5	99	3.725	3.748	-0.023	85	40877	2.00	2.08	
9 Bis(2-chloroethyl)ether	93	3.819	3.837	-0.018	94	32043	2.00	1.95	
* 14 1,4-Dichlorobenzene-d4	152	4.090	4.095	-0.005	97	557949	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.495	4.519	-0.024	93	19967	2.00	2.00	
25 Hexachloroethane	117	4.601	4.607	-0.006	92	15483	2.00	1.99	
$ 26 Nitrobenzene-d5	82	4.643	4.660	-0.018	91	32550	2.00	2.01	
27 Nitrobenzene	77	4.666	4.684	-0.018	95	41041	2.00	1.93	
28 n,n'-Dimethylaniline	120	4.672	4.684	-0.012	94	50767	2.00	2.07	
31 Isophorone	82	4.907	4.931	-0.024	98	48115	2.00	2.01	
36 2,4-Dichlorophenol	162	5.237	5.248	-0.011	95	24769	2.00	1.90	
37 1,2,4-Trichlorobenzene	180	5.319	5.331	-0.012	94	30697	2.00	1.99	
* 38 Naphthalene-d8	136	5.378	5.384	-0.006	99	1818769	40.0	40.0	
41 Hexachlorobutadiene	225	5.537	5.542	-0.005	96	17468	2.00	1.90	
49 2,4,6-Trichlorophenol	196	6.384	6.389	-0.005	92	15021	2.00	1.81	
$ 51 2-Fluorobiphenyl	172	6.466	6.472	-0.006	98	63860	2.00	2.00	
60 2,6-Dinitrotoluene	165	6.925	6.936	-0.011	96	10200	2.00	1.93	
* 65 Acenaphthene-d10	164	7.131	7.136	-0.005	92	795734	40.0	40.0	
68 2,4-Dinitrophenol	184	7.195	7.207	-0.012	93	4851	4.00	4.21	
70 2,4-Dinitrotoluene	165	7.319	7.331	-0.012	96	11517	2.00	1.87	
77 4,6-Dinitro-2-methylphenol	198	7.725	7.742	-0.017	89	9535	4.00	4.13	
$ 80 2,4,6-Tribromophenol	330	7.907	7.919	-0.012	94	6907	2.00	1.91	
82 Hexachlorobenzene	284	8.219	8.225	-0.006	96	12999	2.00	1.84	
84 Pentachlorophenol	266	8.413	8.419	-0.006	94	8981	4.00	4.20	
* 87 Phenanthrene-d10	188	8.589	8.595	-0.006	98	1039809	40.0	40.0	
$ 96 Terphenyl-d14	244	10.166	10.172	-0.006	99	35616	2.00	2.05	
100 3,3'-Dichlorobenzidine	252	11.277	11.283	-0.006	97	11761	2.00	1.92	
101 Benzo[a]anthracene	228	11.301	11.301	0.000	98	35824	2.00	1.98	
* 102 Chrysene-d12	240	11.313	11.319	-0.006	99	590640	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.660	12.671	-0.011	98	25856	2.00	1.89	
107 Benzo[k]fluoranthene	252	12.695	12.707	-0.012	100	27364	2.00	1.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	13.095	13.101	-0.006	98	23977	2.00	1.92	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	458081	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.618	14.630	-0.012	99	21776	2.00	1.87	
111 Dibenz(a,h)anthracene	278	14.654	14.665	-0.011	95	22480	2.00	1.94	
112 Benzo[g,h,i]perylene	276	15.001	15.018	-0.017	98	22192	2.00	2.03	

Reagents:

SV_IC_BNA_L0_00009 Amount Added: 1.00 Units: mL

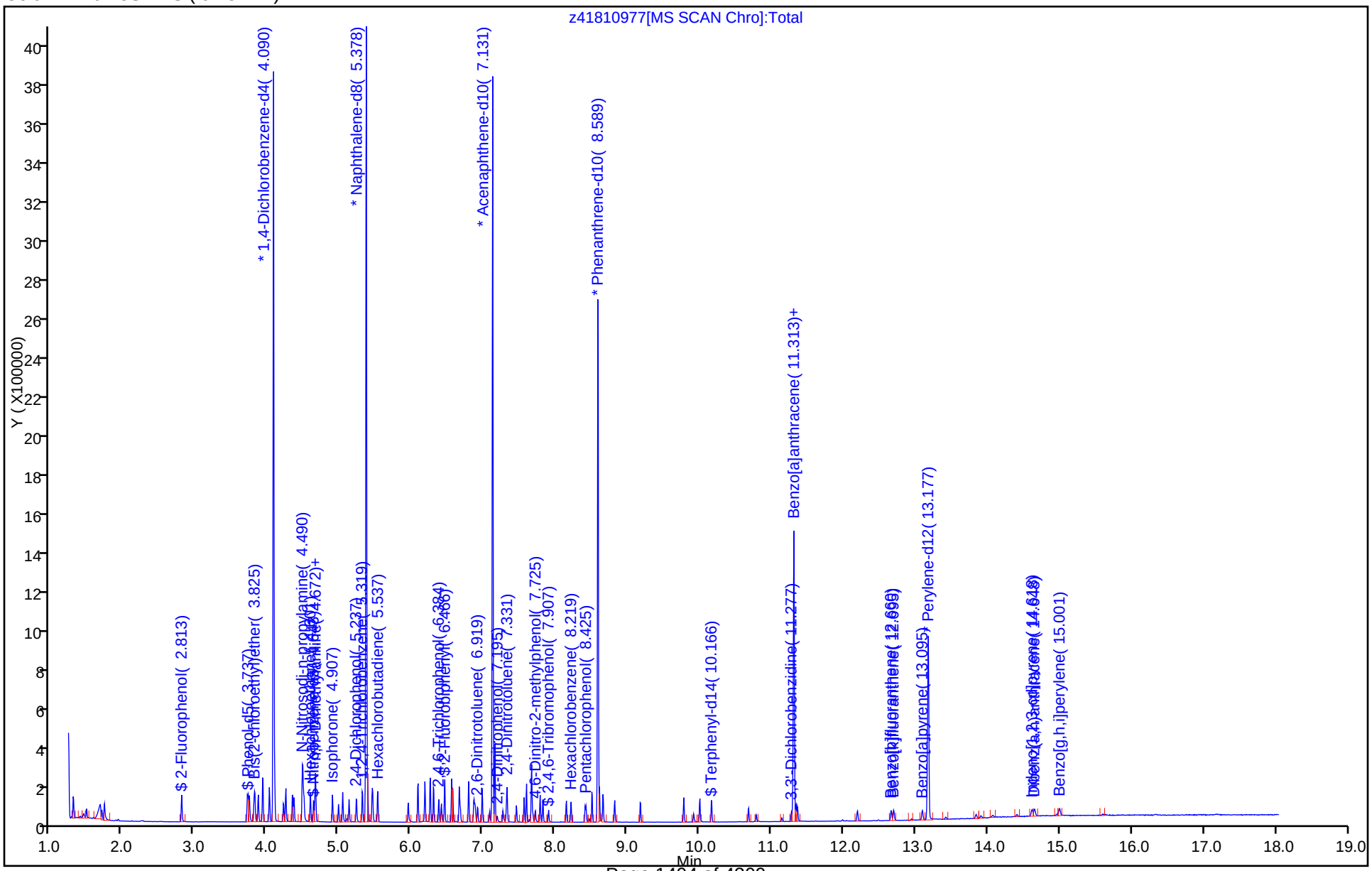
Report Date: 08-Aug-2016 14:25:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810977.D

Injection Date:	08-Aug-2016 09:11:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810978.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-Aug-2016 09:35:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-009
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:25:25 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 10:03:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.813	2.813	0.000	96	17264	1.00	0.9517	
$ 6 Phenol-d5	99	3.725	3.748	-0.023	88	20581	1.00	1.02	
9 Bis(2-chloroethyl)ether	93	3.819	3.837	-0.018	95	15993	1.00	0.9499	
* 14 1,4-Dichlorobenzene-d4	152	4.090	4.095	-0.005	96	572907	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.495	4.519	-0.024	93	9552	1.00	0.9332	
25 Hexachloroethane	117	4.601	4.607	-0.006	94	7431	1.00	0.9303	
$ 26 Nitrobenzene-d5	82	4.648	4.660	-0.012	88	16958	1.00	1.02	
27 Nitrobenzene	77	4.666	4.684	-0.018	93	20676	1.00	0.9471	
28 n,n'-Dimethylaniline	120	4.672	4.684	-0.012	97	24961	1.00	0.99	
37 1,2,4-Trichlorobenzene	180	5.325	5.331	-0.006	94	13549	1.00	0.8547	
* 38 Naphthalene-d8	136	5.378	5.384	-0.006	99	1864599	40.0	40.0	
41 Hexachlorobutadiene	225	5.536	5.542	-0.006	96	8161	1.00	0.8680	
$ 51 2-Fluorobiphenyl	172	6.466	6.472	-0.006	98	31894	1.00	0.99	
60 2,6-Dinitrotoluene	165	6.925	6.936	-0.011	96	4467	1.00	0.8416	
* 65 Acenaphthene-d10	164	7.131	7.136	-0.006	92	797866	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.319	7.331	-0.012	95	5141	1.00	0.8340	
$ 80 2,4,6-Tribromophenol	330	7.907	7.919	-0.012	92	3141	1.00	0.8683	
82 Hexachlorobenzene	284	8.219	8.225	-0.006	95	6075	1.00	0.8819	
* 87 Phenanthrene-d10	188	8.589	8.595	-0.006	98	1011221	40.0	40.0	
$ 96 Terphenyl-d14	244	10.166	10.172	-0.006	99	16877	1.00	1.02	
101 Benzo[a]anthracene	228	11.301	11.301	0.000	97	16431	1.00	0.9061	
* 102 Chrysene-d12	240	11.313	11.319	-0.006	100	564244	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.660	12.671	-0.011	99	11735	1.00	0.9140	
107 Benzo[k]fluoranthene	252	12.695	12.707	-0.012	97	12338	1.00	0.9419	
108 Benzo[a]pyrene	252	13.095	13.101	-0.006	97	10533	1.00	0.8981	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	430047	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.618	14.630	-0.012	97	9565	1.00	0.8760	
111 Dibenz(a,h)anthracene	278	14.654	14.665	-0.011	95	9574	1.00	0.8821	

Reagents:

SV_IC_BNA_L2_00011 Amount Added: 1.00 Units: mL

Report Date: 08-Aug-2016 14:25:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810978.D

Injection Date:	08-Aug-2016 09:35:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D
Lims ID: std05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-Aug-2016 09:59:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-010
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:25:34 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: croccom Date: 08-Aug-2016 10:28:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	3.819	3.837	-0.018	93	8924	0.5000	0.5296	
* 14 1,4-Dichlorobenzene-d4	152	4.090	4.095	-0.005	96	573408	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.495	4.519	-0.024	93	5501	0.5000	0.5370	
25 Hexachloroethane	117	4.601	4.607	-0.006	93	3916	0.5000	0.4898	
$ 26 Nitrobenzene-d5	82	4.648	4.660	-0.012	91	8472	0.5000	0.5029	
27 Nitrobenzene	77	4.666	4.684	-0.018	93	10872	0.5000	0.4907	
28 n,n'-Dimethylaniline	120	4.672	4.684	-0.012	93	12598	0.5000	0.4993	
37 1,2,4-Trichlorobenzene	180	5.319	5.331	-0.012	94	8001	0.5000	0.4973	
* 38 Naphthalene-d8	136	5.378	5.384	-0.006	99	1892340	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.466	6.472	-0.006	98	17180	0.5000	0.5056	
* 65 Acenaphthene-d10	164	7.131	7.136	-0.005	92	845736	40.0	40.0	
82 Hexachlorobenzene	284	8.219	8.225	-0.006	93	3865	0.5000	0.5008	
* 87 Phenanthrene-d10	188	8.589	8.595	-0.006	98	1132900	40.0	40.0	
$ 96 Terphenyl-d14	244	10.166	10.172	-0.006	99	9585	0.5000	0.4916	
101 Benzo[a]anthracene	228	11.301	11.301	0.000	97	11930	0.5000	0.5249	
* 102 Chrysene-d12	240	11.313	11.319	-0.006	99	664457	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.660	12.671	-0.011	98	7769	0.5000	0.5245	
107 Benzo[k]fluoranthene	252	12.695	12.707	-0.012	98	8261	0.5000	0.5467	
108 Benzo[a]pyrene	252	13.095	13.101	-0.006	97	6949	0.5000	0.5136	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	496089	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.612	14.630	-0.018	98	6611	0.5000	0.5249	
111 Dibenz(a,h)anthracene	278	14.654	14.665	-0.011	95	6092	0.5000	0.4865	

Reagents:

SV_IC_BNA_L1_00012 Amount Added: 1.00 Units: mL

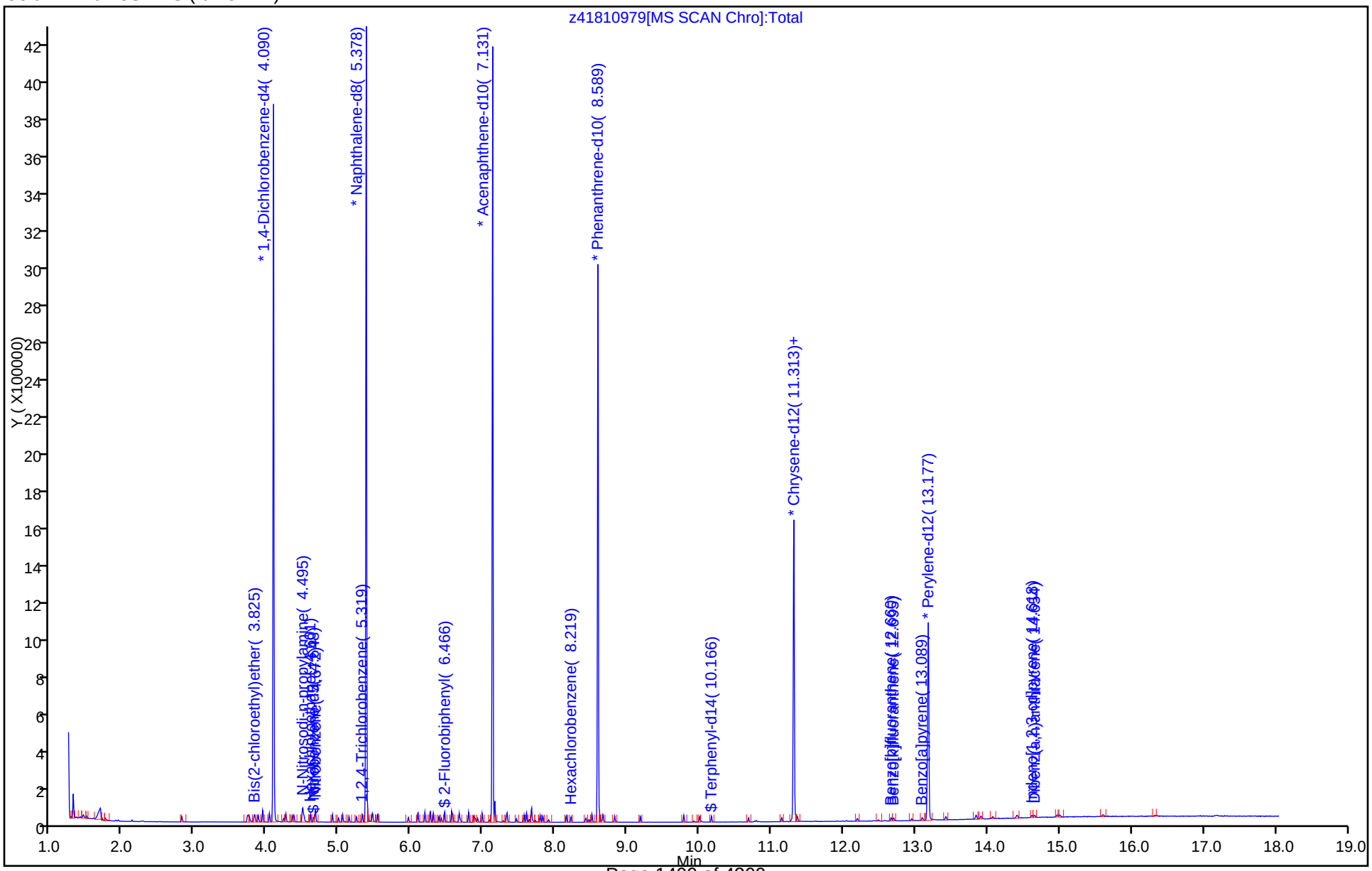
Report Date: 08-Aug-2016 14:25:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Injection Date:	08-Aug-2016 09:59:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std05			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-386446/10	z41811434.D
Level 2	STD1 460-386446/9	z41811433.D
Level 3	STD2 460-386446/8	z41811432.D
Level 4	STD5 460-386446/7	z41811431.D
Level 5	STD10 460-386446/6	z41811430.D
Level 6	STD20 460-386446/5	z41811429.D
Level 7	ICIS 460-386446/2	z41811426.D
Level 8	STD80 460-386446/4	z41811428.D
Level 9	STD120 460-386446/3	z41811427.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5058	0.4974	0.5221	0.4529 0.5445	0.4957	Ave		0.5031				6.1		20.0			
N-Nitrosodimethylamine	0.6550	0.6444	0.6688	0.5629 0.6819	0.6400	Ave		0.6422				6.5		20.0			
Pyridine	1.1863	1.1810	1.2145	1.0526 1.2372	1.1580	Ave		1.1716				5.5		20.0			
Aniline	1.6912	1.6456	1.6885	1.4717 1.7097	1.6686	Ave		1.6459				5.4		20.0			
Phenol	1.3474	1.2683	1.4508	1.1925 1.4771	1.3345	Ave		1.3451			0.8000	8.0		20.0			
Bis(2-chloroethyl)ether	1.0133 1.1054	0.8908 1.0952	0.9930 1.1026	0.9760 1.1511	1.0984	Ave		1.0473			0.7000	8.0		20.0			
2-Chlorophenol	1.2896	1.2681	1.2637	1.1932 1.2795	1.2881	Ave		1.2637			0.8000	2.9		20.0			
n-Decane	1.4051	1.3905	1.4100	1.2932 1.4286	1.3603	Ave		1.3813				3.5		20.0			
1,3-Dichlorobenzene	1.5559	1.5265	1.5396	1.3877 1.5794	1.5118	Ave		1.5168				4.4		20.0			
1,4-Dichlorobenzene	1.5489	1.5493	1.5457	1.4111 1.5612	1.5163	Ave		1.5221				3.7		20.0			
1,2-Dichlorobenzene	1.4423	1.4141	1.4204	1.3071 1.4342	1.4094	Ave		1.4046				3.5		20.0			
Benzyl alcohol	0.5834	0.6660	0.6857	0.4106 0.6879	0.4394	Lin2	-1.568	0.6809			0.0100				0.9930		0.9900
2,2'-oxybis[1-chloropropane]	1.4679	1.4170	1.4125	1.3896 1.3953	1.4965	Ave		1.4298			0.0100	3.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylphenol	1.0686	1.0258	1.0243	0.9712 1.0034	1.1045	Ave		1.0330			0.7000	4.6		20.0			
Acetophenone	1.4548	1.4184	1.4279	1.3451 1.3927	1.4735	Ave		1.4188			0.0100	3.2		20.0			
N-Nitrosodi-n-propylamine	0.6471 0.6821	0.6043 0.6567	0.6548 0.5875	0.6324 0.6728	0.7034	Ave		0.6490			0.5000	5.7		20.0			
3 & 4 Methylphenol	1.0938	1.0208	0.9874	0.9871 1.0140	1.1123	Ave		1.0359				5.2		20.0			
4-Methylphenol	1.0938	1.0208	0.9874	0.9871 1.0140	1.1123	Ave		1.0359			0.6000	5.2		20.0			
Hexachloroethane	0.5519 0.5488	0.4854 0.5533	0.5263 0.5576	0.5042 0.5616	0.5518	Ave		0.5379			0.3000	5.0		20.0			
Nitrobenzene	0.3916 0.4543	0.3817 0.4737	0.4248 0.4682	0.4032 0.4845	0.4553	Ave		0.4375			0.2000	8.7		20.0			
n,n'-Dimethylaniline	1.6095 1.7984	1.6628 1.7335	1.6667 1.7682	1.6984 1.7906	1.8356	Ave		1.7293				4.3		20.0			
Isophorone	0.5145	0.5100	0.4958 0.4986	0.4755 0.5072	0.5102	Ave		0.5017			0.4000	2.7		20.0			
2-Nitrophenol	0.1937	0.1938	0.1924	0.1733 0.1995	0.1945	Ave		0.1912			0.1000	4.8		20.0			
2,4-Dimethylphenol	0.2978	0.3074	0.2997	0.2630 0.2987	0.2995	Ave		0.2944			0.2000	5.3		20.0			
Bis(2-chloroethoxy)methane	0.3370	0.3533	0.3486	0.3095 0.3514	0.3404	Ave		0.3400			0.3000	4.8		20.0			
2,4-Dichlorophenol	0.3050	0.3069	0.2696 0.2990	0.2725 0.3021	0.3018	Ave		0.2939			0.2000	5.4		20.0			
Benzoic acid	0.1610	0.1691	0.1908	0.0769 0.1924	0.1548	Lin2	-0.552	0.1935			0.0100				0.9950		0.9900
1,2,4-Trichlorobenzene	0.3333 0.3555	0.3079 0.3725	0.3380 0.3604	0.3328 0.3681	0.3556	Ave		0.3471				6.0		20.0			
Naphthalene	1.0146	1.0411	1.0254	0.9248 1.0279	0.9972	Ave		1.0052			0.7000	4.2		20.0			
4-Chloroaniline	0.3881	0.3997	0.3911	0.3400 0.3929	0.3832	Ave		0.3825			0.0100	5.6		20.0			
Hexachlorobutadiene	0.2137	0.1799 0.2212	0.1898 0.2183	0.1975 0.2246	0.2119	Ave		0.2071			0.0100	7.8		20.0			
4-Chloro-3-methylphenol	0.2412	0.2467	0.2417	0.2252 0.2435	0.2414	Ave		0.2400			0.2000	3.1		20.0			
2-Methylnaphthalene	0.6569	0.6785	0.6608	0.6167 0.6646	0.6667	Ave		0.6574			0.4000	3.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.6068	0.6285	0.6080	0.5695 0.6179	0.6191	Ave		0.6083				3.4		20.0			
Hexachlorocyclopentadiene	0.3581	0.4026	0.4563	0.2236 0.4820	0.3079	Lin2	-1.233	0.4520			0.0500				0.9930		0.9900
1,2,4,5-Tetrachlorobenzene	0.6737	0.7109	0.7133	0.6170 0.7071	0.6624	Ave		0.6807			0.0100	5.5		20.0			
2-tertbutyl-4-methylphenol	0.4538	0.4372	0.4459	0.4152 0.4560	0.4463	Ave		0.4424				3.4		20.0			
2,4,6-Trichlorophenol	0.3899	0.4129	0.3232 0.4138	0.3412 0.4205	0.3734	Ave		0.3821			0.2000	10.0		20.0			
2,4,5-Trichlorophenol	0.4350	0.4382	0.4421	0.3931 0.4332	0.4191	Ave		0.4268			0.2000	4.3		20.0			
1,1'-Biphenyl	1.6226	1.6916	1.6752	1.4555 1.6437	1.6000	Ave		1.6148			0.0100	5.3		20.0			
2-Chloronaphthalene	1.2019	1.2568	1.2352	1.1096 1.2345	1.1984	Ave		1.2061			0.8000	4.3		20.0			
Phenyl ether	0.8602	0.8647	0.9039	0.8063 0.9183	0.8748	Ave		0.8714				4.5		20.0			
2-Nitroaniline	0.2928	0.2832	0.2909	0.2601 0.2825	0.2914	Ave		0.2835			0.0100	4.3		20.0			
1,3-Dimethylnaphthalene	1.0211	1.0266	1.0590	0.9344 1.0755	1.0339	Ave		1.0251				4.8		20.0			
Coumarin	0.1781	0.1733	0.1676	0.1661 0.1694	0.1783	Ave		0.1721				3.1		20.0			
Dimethyl phthalate	1.1937	1.1964	1.1620	1.0644 1.1739	1.1876	Ave		1.1630			0.0100	4.3		20.0			
2,6-Dinitrotoluene	0.2812	0.2255 0.2808	0.2610 0.2763	0.2602 0.2709	0.2732	Ave		0.2661			0.2000	6.9		20.0			
Acenaphthylene	1.7997	1.8299	1.8163	1.6396 1.8239	1.7940	Ave		1.7839			0.9000	4.0		20.0			
3-Nitroaniline	0.2807	0.2848	0.2763	0.2441 0.2845	0.2780	Ave		0.2747			0.0100	5.6		20.0			
Acenaphthene	1.1247	1.1481	1.1244	1.0031 1.1353	1.1051	Ave		1.1068			0.9000	4.8		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.2750	1.2668	1.2953	1.1660 1.3305	1.2642	Ave		1.2663				4.3		20.0			
2,4-Dinitrophenol	0.1633	0.1728	0.0656 0.1830	0.0887 +++++	0.1386	Qua	-0.568	0.1677	0.0001170		0.0100				1.0000		0.9900
Dibenzofuran	1.6412	1.6730	1.6465	1.4872 1.6544	1.6198	Ave		1.6203			0.8000	4.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Nitrophenol	0.1751	0.1846	0.1773	0.1269 0.1806	0.1629	Ave		0.1679			0.0100	12.7		20.0			
2,4-Dinitrotoluene	0.3368	0.2753 0.3307	0.2908 0.3278	0.2927 0.3274	0.3335	Ave		0.3144			0.2000	7.6		20.0			
2,3,4,6-Tetrachlorophenol	0.3236	0.3307	0.3306	0.2480 0.3194	0.3012	Ave		0.3089			0.0100	10.3		20.0			
Diethyl phthalate	1.0977	1.1013	1.0759	1.0008 1.0985	1.1056	Ave		1.0800			0.0100	3.7		20.0			
Fluorene	1.3082	1.3254	1.3012	1.1836 1.2859	1.2867	Ave		1.2818			0.9000	3.9		20.0			
4-Chlorophenyl phenyl ether	0.6695	0.6640	0.6518	0.6105 0.6413	0.6471	Ave		0.6474			0.4000	3.2		20.0			
4-Nitroaniline	0.2276	0.2338	0.2156	0.1879 0.2213	0.2288	Ave		0.2191			0.0100	7.6		20.0			
4,6-Dinitro-2-methylphenol	0.1444	0.1486	0.0915 0.1546	0.1030 +++++	0.1320	Lin2	-0.256	0.1478			0.0100				0.9930		0.9900
N-Nitrosodiphenylamine	0.6158	0.6334	0.6525	0.5611 0.6478	0.6051	Ave		0.6193			0.0100	5.5		20.0			
1,2-Diphenylhydrazine	0.7212	0.7433	0.7633	0.6411 0.8285	0.7021	Ave		0.7333				8.6		20.0			
4-Bromophenyl phenyl ether	0.2570	0.2693	0.2731	0.2370 0.2719	0.2483	Ave		0.2594			0.1000	5.6		20.0			
Hexachlorobenzene	0.2512 0.2772	0.2333 0.2835	0.2437 0.2914	0.2459 0.2938	0.2647	Ave		0.2650			0.1000	8.5		20.0			
Pentachlorophenol	0.1384	0.1578	0.0690 0.1615	0.0837 +++++	0.1210	QuaF		0.1367	0.0001616		0.0500				0.9980		0.9900
Pentachloronitrobenzene	0.0999	0.0994	0.1019	0.0889 0.1043	0.0979	Ave		0.0987			0.0100	5.4		20.0			
n-Octadecane	0.5447	0.5873	0.6040	0.4699 0.6222	0.5175	Ave		0.5576				10.4		20.0			
Phenanthrene	1.0963	1.1349	1.1085	0.9887 1.1013	1.0811	Ave		1.0851			0.7000	4.6		20.0			
Anthracene	1.1609	1.1618	1.1404	1.0410 1.1468	1.1584	Ave		1.1349			0.7000	4.1		20.0			
Carbazole	0.9228	0.9192	0.8949	0.8263 0.9049	0.9184	Ave		0.8978			0.0100	4.1		20.0			
Di-n-butyl phthalate	1.0780	1.1132	1.0815	1.0062 1.0942	1.0808	Ave		1.0757			0.0100	3.4		20.0			
Fluoranthene	1.0461	1.0545	0.9920	0.9650 1.0011	1.0355	Ave		1.0157			0.6000	3.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.4680	0.4643	0.4724	0.4031 0.4904	0.3988	Ave		0.4495				8.6		20.0			
Pyrene	1.6629	1.5713	1.5888	1.5471 1.5442	1.7515	Ave		1.6110			0.6000	5.0		20.0			
Bisphenol-A	0.3279	0.5017	0.5714	+++++ 0.5597	0.0957	Lin2	-5.252	0.6117							0.9980		0.9900
Butyl benzyl phthalate	0.5539	0.5567	0.5550	0.5366 0.5608	0.5952	Ave		0.5597			0.0100	3.4		20.0			
2,3,7,8-TCDD		0.2123				Ave		0.2123						20.0			
Carbamazepine	0.4065	0.4338	0.4424	0.3615 0.4615	0.3734	Ave		0.4132				9.6		20.0			
3,3'-Dichlorobenzidine	0.4412	0.4234	0.4044 0.4379	0.3716 0.4438	0.3869	Ave		0.4156			0.0100	6.9		20.0			
Benzo[a]anthracene	1.4361 1.2209	1.1796 1.1968	1.2089 1.1929	1.1265 1.1917	1.2017	Ave		1.2172			0.8000	7.1		20.0			
Chrysene	1.1262	1.1102	1.1168	1.0596 1.1161	1.1280	Ave		1.1095			0.7000	2.3		20.0			
Bis(2-ethylhexyl) phthalate	0.7915	0.7763	0.7821	0.7203 0.7927	0.7796	Ave		0.7737			0.0100	3.5		20.0			
Di-n-octyl phthalate	1.5321	1.5084	1.4819	1.5010 1.4930	1.6540	Ave		1.5284			0.0100	4.2		20.0			
Benzo[b]fluoranthene	1.0486 1.2835	1.0507 1.2616	1.0867 1.2323	1.1001 1.2977	1.2202	Ave		1.1757			0.7000	8.7		20.0			
Benzo[k]fluoranthene	1.3943 1.2555	1.1973 1.2907	1.3793 1.3052	1.3150 1.2569	1.3601	Ave		1.3060			0.7000	4.9		20.0			
Benzo[a]pyrene	1.1207 1.1197	1.0027 1.1549	1.0668 1.1397	1.0460 1.1604	1.1201	Ave		1.1034			0.7000	4.8		20.0			
Indeno[1,2,3-cd]pyrene	0.8430 0.9887	0.7053 1.0869	0.7561 1.1057	0.8600 1.1165	0.8967	Ave		0.9288			0.5000	16.5		20.0			
Dibenz(a,h)anthracene	0.7757 0.9780	0.7448 1.0551	0.8057 1.0532	0.8581 1.0801	0.9427	Ave		0.9215			0.4000	14.0		20.0			
Benzo[g,h,i]perylene	0.9461	1.0288	0.8220 1.0330	0.8364 1.0615	0.9139	Qua	-0.801	1.0056	0.0005178		0.5000				1.0000		0.9900
2-Fluorophenol (Surr)	1.0889	0.8814 1.2144	0.9363 1.2854	1.0473 1.2284	1.0987	Ave		1.0976				12.9		20.0			
Phenol-d5 (Surr)	1.2696	1.2795 1.3445	1.3037 1.3943	1.2983 1.3685	1.2855	Ave		1.3180				3.5		20.0			
Nitrobenzene-d5 (Surr)	0.3017 0.3070	0.3176 0.3407	0.3085 0.3461	0.3232 0.3527	0.3125	Ave		0.3233				5.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.4250 1.4650	1.4029 1.6009	1.4805 1.6614	1.5153 1.6317	1.4697	Ave		1.5169				6.1		20.0			
2,4,6-Tribromophenol (Surr)	 0.1772	0.1708 0.2046	0.1848 0.2072	0.1604 0.2021	0.1657	Ave		0.1841				10.1		20.0			
Terphenyl-d14 (Surr)	1.1927 1.1368	1.1201 1.1350	1.1674 1.2432	1.1813 1.1739	1.2369	Ave		1.1763				3.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-386446/10	z41811434.D
Level 2	STD1 460-386446/9	z41811433.D
Level 3	STD2 460-386446/8	z41811432.D
Level 4	STD5 460-386446/7	z41811431.D
Level 5	STD10 460-386446/6	z41811430.D
Level 6	STD20 460-386446/5	z41811429.D
Level 7	ICIS 460-386446/2	z41811426.D
Level 8	STD80 460-386446/4	z41811428.D
Level 9	STD120 460-386446/3	z41811427.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave	120565	290280	430535	28414 648287	66135	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd 4	Ave	156108	376102	551443	35315 811972	85383	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCBd 4	Ave	282758	689255	1001456	66033 1473150	154498	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCBd 4	Ave	403101	960404	1392254	92328 2035706	222617	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCBd 4	Ave	321160	740180	1196315	74810 1758779	178053	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	6259 263466	11984 639168	27122 909204	61233 1370631	146547	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd 4	Ave	307375	740053	1042003	74854 1523543	171859	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCBd 4	Ave	334899	811492	1162634	81131 1701039	181494	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	370833	890886	1269520	87059 1880612	201698	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	369172	904165	1274537	88528 1858974	202299	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	343767	825287	1171233	82003 1707731	188039	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCBd 4	Lin2	139052	388679	565425	25760 819038	58626	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	349859	826990	1164749	87178 1661338	199664	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCBd 4	Ave	254706	598679	844635	60927 1194800	147361	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetophenone	DCBd 4	Ave	346750	827816	1177450	84388 1658235	196598	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	3997 162574	8130 383242	17886 484460	39676 801071	93845	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
3 & 4 Methylphenol	DCBd 4	Ave	260709	595741	814205	61927 1207366	148401	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd 4	Ave	260709	595741	814205	61927 1207366	148401	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCBd 4	Ave	3409 130798	6530 322883	14374 459801	31633 668710	73619	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	8414 356307	17487 855488	39125 1219361	83353 1767530	202893	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd 4	Ave	9942 428636	22370 1011678	45523 1458012	106553 2132115	244900	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	403507	921082	45664 1298589	98294 1850058	227360	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	151935	349919	501126	35829 727924	86680	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	233533	555182	780706	54377 1089664	133448	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	264308	638121	907989	63973 1281921	151705	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	239165	554264	24834 778846	56324 1102187	134510	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	126235	305437	497083	15892 701839	69001	20.0	50.0	80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	7161 278771	14105 672625	31132 938799	68809 1342716	158483	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	795649	1880176	2670748	191193 3749787	444368	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	304338	721775	1018737	70284 1433322	170776	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	167560	8241 399505	17482 568544	40835 819275	94441	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	189116	445517	629588	46558 888362	107593	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	515130	1225247	1721099	127499 2424472	297111	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	475844	1135018	1583494	117740 2254064	275895	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Lin2	137232	345726	550047	23023 808964	68229	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	258159	610489	859822	63527 1186766	146809	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	355892	789546	1161339	85840 1663321	198872	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	149420	354575	15167 498768	35136 705819	82747	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	166689	376259	532890	40472 727037	92884	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	621805	1452606	2019254	149859 2758685	354608	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	460598	1079227	1488954	114246 2071959	265604	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	329640	742509	1089554	83022 1541145	193887	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	112201	243166	350663	26786 474075	64584	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	391320	881605	1276511	96208 1805026	229126	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	139632	312967	436490	34336 618137	79471	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	457454	1027360	1400692	109598 1970204	263190	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	107760	5236 241093	12245 333021	26788 454711	60544	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	689700	1571407	2189371	168823 3061092	397590	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	107569	244571	333077	25137 477455	61608	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	431008	985910	1355377	103284 1905324	244927	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	488620	1087844	1561406	120060 2233025	280166	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	125152	296723	6159 441204	18257 +++++	61449	40.0	100	4.00 160	10.0 +++++	20.0
Dibenzofuran	ANT	Ave	628962	1436634	1984653	153127 2776612	358990	20.0	50.0	80.0	5.00 120	10.0
4-Nitrophenol	ANT	Ave	134221	317054	427395	26142 606318	72219	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	129056	6393 283978	13647 395120	30134 549554	73917	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	124004	283969	398520	25537 535980	66763	20.0	50.0	80.0	5.00 120	10.0

FORM VI
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RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	420674	945688	1296913	103047 1843598	245026	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	501320	1138163	1568431	121871 2158096	285157	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	256557	570225	785713	62862 1076363	143419	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	87219	200738	259850	19342 371334	50703	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	159537	357550	12573 501856	30421 +++++	85204	40.0	100	4.00 160	10.0 +++++	20.0
N-Nitrosodiphenylamine	PHN	Ave	340172	762082	1059333	82818 1478349	195281	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	398405	894351	1239185	94637 1890706	226601	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	141998	323988	443419	34979 620400	80128	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	3899 153142	8081 341074	16747 473120	36292 670466	85428	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	QuaF	152935	379628	9483 524237	24722 +++++	78112	40.0	100	4.00 160	10.0 +++++	20.0
Pentachloronitrobenzene	PHN	Ave	55177	119595	165486	13119 238085	31606	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	300898	706587	980470	69369 1419959	167017	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	605620	1365392	1799552	145943 2513288	348918	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	641332	1397807	1851399	153668 2617075	373844	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	509769	1105962	1452821	121972 2064981	296404	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	595529	1339294	1755749	148531 2497133	348823	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	577897	1268744	1610368	142439 2284555	334191	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	258518	558565	766832	59508 1119247	128707	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	556968	1256554	1567801	143405 2230583	333693	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Lin2	109839	401243	563839	+++++ 808554	18231	20.0	50.0	80.0	+++++ 120	10.0
Butyl benzyl phthalate	CRY	Ave	185509	445232	547694	49742 810112	113402	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		1698					0.500			
Carbamazepine	CRY	Ave	136165	346912	436568	33512 666623	71146	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	147790	338602	17914 432140	34441 641026	73709	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	13595 408929	26361 957118	53545 1177135	104415 1721442	228948	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	377215	887818	1102029	98221 1612183	214910	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	265105	620788	771766	66769 1145008	148520	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	385175	950648	1161291	98977 1763277	211054	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	6825 322684	15696 795118	32131 965737	72541 1532664	155697	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	9075 315628	17886 813463	40783 1022830	86708 1484449	173554	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	7294 281498	14979 727870	31542 893164	68970 1370440	142923	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	5487 248560	10537 685001	22355 866504	56710 1318593	114416	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	5049 245871	11126 664931	23822 825368	56583 1275657	120290	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Qua	237855	648409	24303 809541	55154 1253603	116611	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd 4	Ave	259526	11858 708755	25575 1059915	65706 1462636	146594	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCBd 4	Ave	302603	17213 784683	35610 1149698	81448 1629431	171512	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	6483 240740	14551 615259	28413 901532	66814 1286613	139270	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	15502 561441	32578 1374698	69467 2002671	156018 2738547	325719	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	67897	3967 175694	8671 249792	16515 339144	36730	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	11291 380758	25031 907634	51708 1226706	109494 1695718	235641	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386446

SDG No.:

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

Calibration Start Date: 08/24/2016 07:03 Calibration End Date: 08/24/2016 10:00 Calibration ID: 57556

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811426.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 24-Aug-2016 07:03:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-002
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:16 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: nimerd Date: 24-Aug-2016 07:27:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.193	1.193	0.000	99	290280	50.0	49.4	
2 N-Nitrosodimethylamine	74	1.405	1.405	0.000	84	376102	50.0	50.2	
3 Pyridine	79	1.416	1.416	0.000	86	689255	50.0	50.4	
$ 4 2-Fluorophenol	112	2.475	2.475	0.000	96	708755	50.0	55.3	
8 Aniline	93	3.387	3.387	0.000	100	960404	50.0	50.0	
$ 6 Phenol-d5	99	3.410	3.410	0.000	93	784683	50.0	51.0	
7 Phenol	94	3.428	3.428	0.000	98	740180	50.0	47.1	
9 Bis(2-chloroethyl)ether	93	3.475	3.475	0.000	97	639168	50.0	52.3	
10 Benzonitrile	103	3.481	3.481	0.000	0	1175923	NC	NC	
11 2-Chlorophenol	128	3.516	3.516	0.000	97	740053	50.0	50.2	
12 n-Decane	43	3.587	3.587	0.000	90	811492	50.0	50.3	
13 1,3-Dichlorobenzene	146	3.663	3.663	0.000	97	890886	50.0	50.3	
* 14 1,4-Dichlorobenzene-d4	152	3.716	3.716	0.000	94	466885	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.740	3.740	0.000	96	904165	50.0	50.9	
16 Benzyl alcohol	108	3.893	3.893	0.000	94	388679	50.0	51.2	
17 1,2-Dichlorobenzene	146	3.893	3.893	0.000	97	825287	50.0	50.3	
19 2,2'-oxybis[1-chloropropan	45	4.028	4.028	0.000	94	826990	50.0	49.6	
18 2-Methylphenol	108	4.034	4.034	0.000	88	598679	50.0	49.7	
20 N-Methylaniline	106	4.146	4.146	0.000	0	931926	NC	NC	
22 Acetophenone	105	4.157	4.157	0.000	95	827816	50.0	50.0	
21 N-Nitrosodi-n-propylamine	70	4.175	4.175	0.000	89	383242	50.0	50.6	
24 4-Methylphenol	108	4.204	4.204	0.000	94	595741	50.0	49.3	
23 3 & 4 Methylphenol	108	4.204	4.204	0.000	97	595741	50.0	49.3	
25 Hexachloroethane	117	4.228	4.228	0.000	92	322883	50.0	51.4	
$ 26 Nitrobenzene-d5	82	4.304	4.304	0.000	89	615259	50.0	52.7	
27 Nitrobenzene	77	4.328	4.328	0.000	91	855488	50.0	54.1	
28 n,n'-Dimethylaniline	120	4.328	4.328	0.000	92	1011678	50.0	50.1	
31 Isophorone	82	4.581	4.581	0.000	98	921082	50.0	50.8	
32 2-Nitrophenol	139	4.646	4.646	0.000	93	349919	50.0	50.7	
33 2,4-Dimethylphenol	122	4.734	4.734	0.000	92	555182	50.0	52.2	
34 Bis(2-chloroethoxy)methane	93	4.810	4.810	0.000	99	638121	50.0	52.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.910	4.910	0.000	96	554264	50.0	52.2	
35 Benzoic acid	122	4.946	4.946	0.000	86	305437	50.0	46.6	M
37 1,2,4-Trichlorobenzene	180	4.975	4.975	0.000	94	672625	50.0	53.6	
* 38 Naphthalene-d8	136	5.022	5.022	0.000	99	1444747	40.0	40.0	
39 Naphthalene	128	5.046	5.046	0.000	100	1880176	50.0	51.8	
40 4-Chloroaniline	127	5.122	5.122	0.000	97	721775	50.0	52.2	
41 Hexachlorobutadiene	225	5.187	5.187	0.000	97	399505	50.0	53.4	
43 4-Chloro-3-methylphenol	107	5.645	5.645	0.000	95	445517	50.0	51.4	
44 2-Methylnaphthalene	142	5.745	5.745	0.000	86	1225247	50.0	51.6	
45 1-Methylnaphthalene	142	5.840	5.840	0.000	93	1135018	50.0	51.7	
46 Hexachlorocyclopentadiene	237	5.910	5.910	0.000	98	345726	50.0	47.3	
47 1,2,4,5-Tetrachlorobenzene	216	5.922	5.922	0.000	99	610489	50.0	52.2	
48 2-tertbutyl-4-methylphenol	149	5.993	5.993	0.000	92	789546	50.0	49.4	
49 2,4,6-Trichlorophenol	196	6.045	6.045	0.000	92	354575	50.0	54.0	
50 2,4,5-Trichlorophenol	196	6.087	6.087	0.000	99	376259	50.0	51.3	
$ 51 2-Fluorobiphenyl	172	6.122	6.122	0.000	98	1374698	50.0	52.8	
52 1,1'-Biphenyl	154	6.216	6.216	0.000	96	1452606	50.0	52.4	
53 2-Chloronaphthalene	162	6.228	6.228	0.000	99	1079227	50.0	52.1	
54 Phenyl ether	170	6.322	6.322	0.000	84	742509	50.0	49.6	
55 2-Nitroaniline	65	6.351	6.351	0.000	94	243166	50.0	49.9	
57 1,3-Dimethylnaphthalene	156	6.451	6.451	0.000	93	881605	50.0	50.1	
59 Coumarin	146	6.545	6.545	0.000	81	312967	50.0	50.3	
58 Dimethyl phthalate	163	6.551	6.551	0.000	99	1027360	50.0	51.4	
60 2,6-Dinitrotoluene	165	6.604	6.604	0.000	92	241093	50.0	52.8	
63 Acenaphthylene	152	6.634	6.634	0.000	97	1571407	50.0	51.3	
64 3-Nitroaniline	138	6.763	6.763	0.000	96	244571	50.0	51.8	
* 65 Acenaphthene-d10	164	6.775	6.775	0.000	93	686982	40.0	40.0	
67 Acenaphthene	154	6.804	6.804	0.000	94	985910	50.0	51.9	
66 3,5-di-tert-butyl-4-hydrox	205	6.834	6.834	0.000	96	1087844	50.0	50.0	
68 2,4-Dinitrophenol	184	6.875	6.875	0.000	96	296723	100.0	99.5	
69 4-Nitrophenol	65	6.981	6.981	0.000	93	317054	100.0	109.9	
71 Dibenzofuran	168	6.981	6.981	0.000	99	1436634	50.0	51.6	
70 2,4-Dinitrotoluene	165	6.998	6.998	0.000	97	283978	50.0	52.6	
72 2,3,4,6-Tetrachlorophenol	232	7.116	7.116	0.000	96	283969	50.0	53.5	
73 Diethyl phthalate	149	7.245	7.245	0.000	99	945688	50.0	51.0	
74 Fluorene	166	7.316	7.316	0.000	95	1138163	50.0	51.7	
75 4-Chlorophenyl phenyl ethe	204	7.328	7.328	0.000	93	570225	50.0	51.3	
76 4-Nitroaniline	138	7.369	7.369	0.000	86	200738	50.0	53.3	
77 4,6-Dinitro-2-methylphenol	198	7.410	7.410	0.000	91	357550	100.0	102.2	
78 N-Nitrosodiphenylamine	169	7.451	7.451	0.000	67	762082	50.0	51.1	
79 1,2-Diphenylhydrazine	77	7.487	7.487	0.000	96	894351	50.0	50.7	
$ 80 2,4,6-Tribromophenol	330	7.557	7.557	0.000	93	175694	50.0	55.6	
81 4-Bromophenyl phenyl ether	248	7.798	7.798	0.000	94	323988	50.0	51.9	
82 Hexachlorobenzene	284	7.863	7.863	0.000	96	341074	50.0	53.5	
84 Pentachlorophenol	266	8.063	8.063	0.000	94	379628	100.0	102.9	
85 Pentachloronitrobenzene	237	8.075	8.075	0.000	89	119595	50.0	50.3	
86 n-Octadecane	57	8.181	8.181	0.000	92	706587	50.0	52.7	
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	962512	40.0	40.0	
88 Phenanthrene	178	8.245	8.245	0.000	97	1365392	50.0	52.3	
89 Anthracene	178	8.298	8.298	0.000	99	1397807	50.0	51.2	
90 Carbazole	167	8.469	8.469	0.000	96	1105962	50.0	51.2	
91 Di-n-butyl phthalate	149	8.839	8.839	0.000	100	1339294	50.0	51.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.410	9.410	0.000	98	1268744	50.0	51.9	
93 Benzidine	184	9.557	9.557	0.000	99	558565	50.0	51.6	
94 Pyrene	202	9.622	9.622	0.000	98	1256554	50.0	48.8	
95 Bisphenol-A	213	9.716	9.716	0.000	99	401243	50.0	49.6	
$ 96 Terphenyl-d14	244	9.798	9.798	0.000	99	907634	50.0	48.2	
97 Butyl benzyl phthalate	149	10.298	10.298	0.000	96	445232	50.0	49.7	
98 2,3,7,8-TCDD	320	10.375	10.375	0.000	92	1698	0.5000	0.5000	
99 Carbamazepine	193	10.386	10.386	0.000	92	346912	50.0	52.5	
100 3,3'-Dichlorobenzidine	252	10.822	10.822	0.000	99	338602	50.0	50.9	
101 Benzo[a]anthracene	228	10.828	10.828	0.000	98	957118	50.0	49.2	
* 102 Chrysene-d12	240	10.839	10.839	0.000	99	639767	40.0	40.0	
103 Chrysene	228	10.869	10.869	0.000	99	887818	50.0	50.0	
104 Bis(2-ethylhexyl) phthalat	149	10.916	10.916	0.000	87	620788	50.0	50.2	
105 Di-n-octyl phthalate	149	11.675	11.675	0.000	97	950648	50.0	49.3	
106 Benzo[b]fluoranthene	252	12.074	12.074	0.000	98	795118	50.0	53.7	
107 Benzo[k]fluoranthene	252	12.104	12.104	0.000	99	813463	50.0	49.4	
108 Benzo[a]pyrene	252	12.469	12.469	0.000	98	727870	50.0	52.3	
* 109 Perylene-d12	264	12.539	12.539	0.000	99	504189	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.892	13.892	0.000	99	685001	50.0	58.5	
111 Dibenz(a,h)anthracene	278	13.921	13.921	0.000	97	664931	50.0	57.2	
112 Benzo[g,h,i]perylene	276	14.216	14.216	0.000	98	648409	50.0	50.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L6_00020 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2016 16:11:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811426.D

Injection Date: 24-Aug-2016 07:03:30 Instrument ID: CBNAMS11 Operator ID:

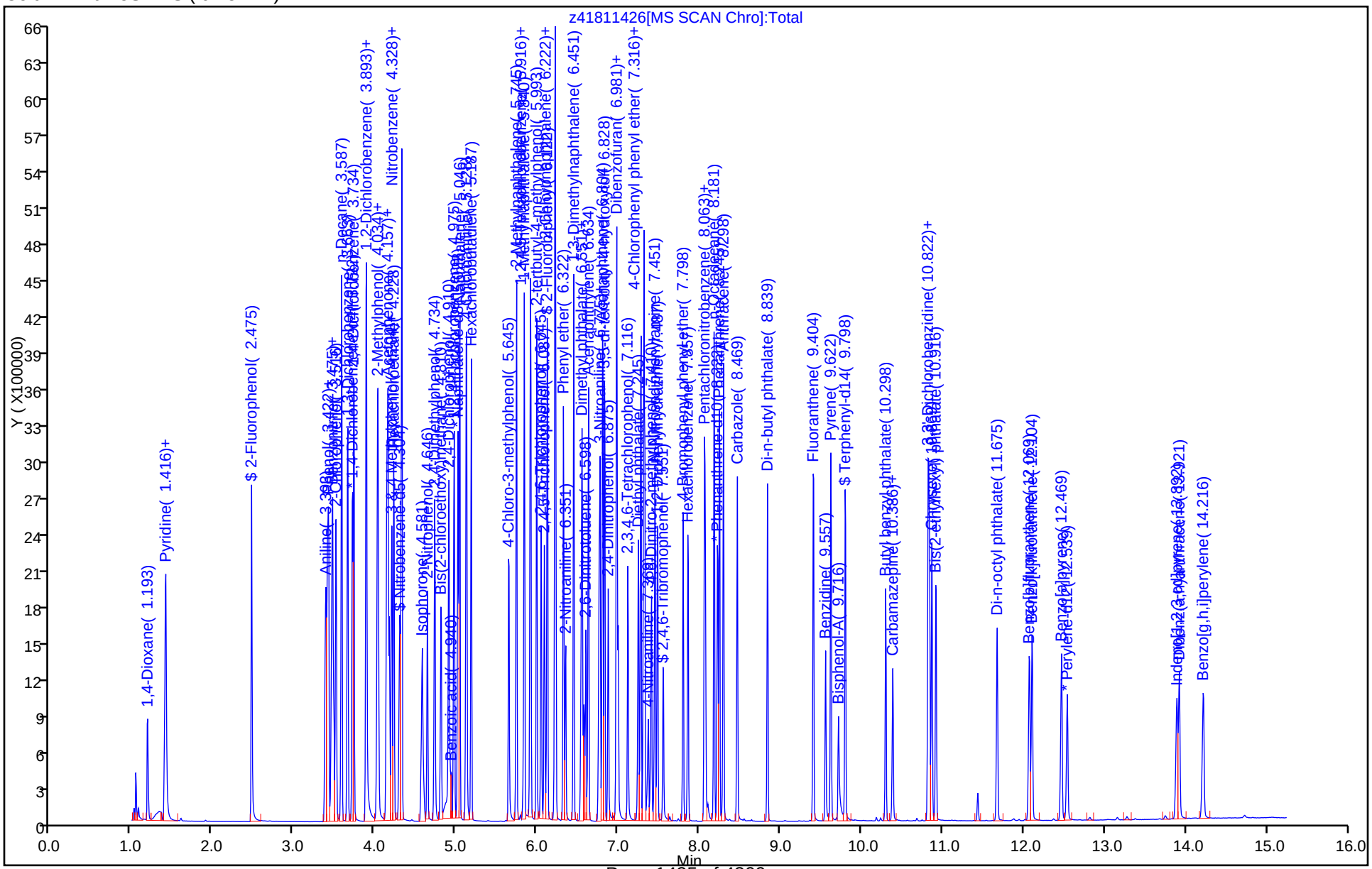
Lims ID: icis Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_11R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

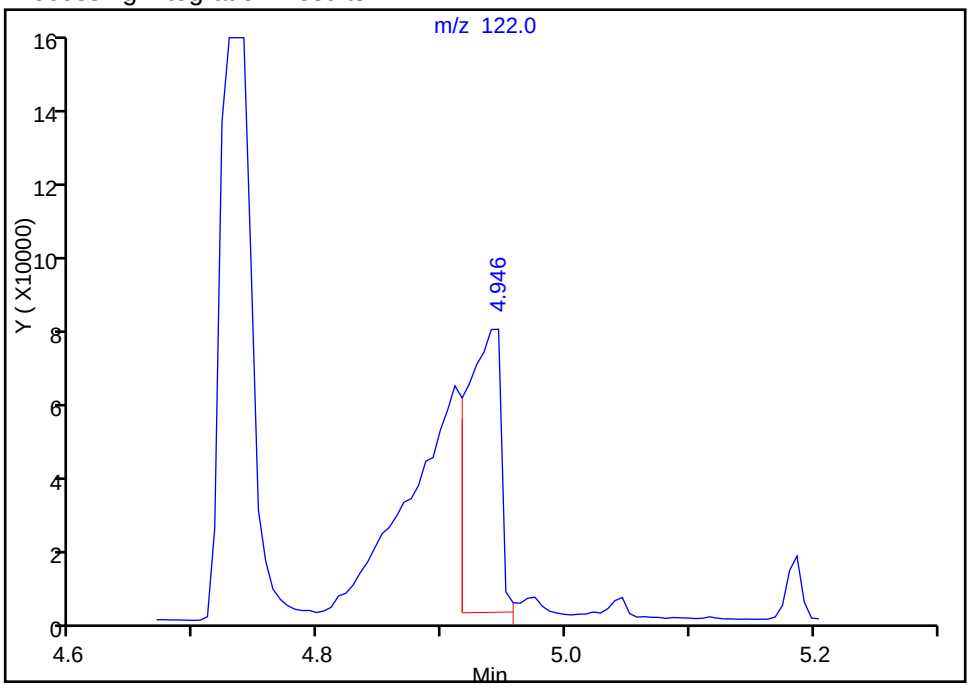
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811426.D				
Injection Date:	24-Aug-2016 07:03:30	Instrument ID:	CBNAMS11		
Lims ID:	icis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

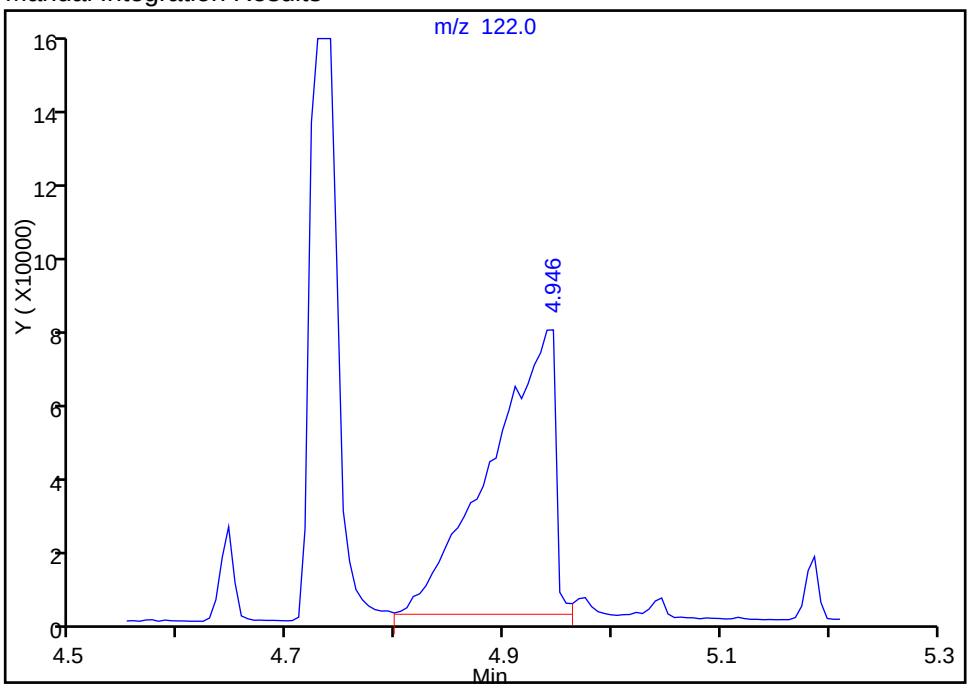
Processing Integration Results

RT: 4.95
Area: 141071
Amount: 27.043858
Amount Units: ug/ml



Manual Integration Results

RT: 4.95
Area: 305437
Amount: 46.560443
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 09:50:38

Audit Action: Manually Integrated Audit Reason: Split Peak

Report Date: 24-Aug-2016 16:11:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811427.D
Lims ID: std120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 24-Aug-2016 07:25:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-003
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:22 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 09:56:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.193	1.193	0.000	98	648287	120.0	129.9	
2 N-Nitrosodimethylamine	74	1.416	1.405	0.011	85	811972	120.0	127.4	
3 Pyridine	79	1.416	1.416	0.000	87	1473150	120.0	126.7	
$ 4 2-Fluorophenol	112	2.481	2.475	0.006	94	1462636	120.0	134.3	
8 Aniline	93	3.404	3.387	0.017	100	2035706	120.0	124.7	
$ 6 Phenol-d5	99	3.434	3.410	0.024	93	1629431	120.0	124.6	
7 Phenol	94	3.451	3.428	0.023	98	1758779	120.0	131.8	
9 Bis(2-chloroethyl)ether	93	3.493	3.475	0.018	98	1370631	120.0	131.9	
10 Benzonitrile	103	3.516	3.481	0.035	0	2440744	NC	NC	
11 2-Chlorophenol	128	3.534	3.516	0.018	97	1523543	120.0	121.5	
12 n-Decane	43	3.598	3.587	0.011	89	1701039	120.0	124.1	
13 1,3-Dichlorobenzene	146	3.669	3.663	0.006	97	1880612	120.0	125.0	
* 14 1,4-Dichlorobenzene-d4	152	3.728	3.716	0.012	94	396900	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.745	3.740	0.005	94	1858974	120.0	123.1	
16 Benzyl alcohol	108	3.916	3.893	0.023	94	819038	120.0	123.5	
17 1,2-Dichlorobenzene	146	3.898	3.893	0.005	96	1707731	120.0	122.5	
19 2,2'-oxybis[1-chloropropan	45	4.040	4.028	0.012	92	1661338	120.0	117.1	
18 2-Methylphenol	108	4.045	4.034	0.011	92	1194800	120.0	116.6	
20 N-Methylaniline	106	4.157	4.146	0.011	0	2021466	NC	NC	
22 Acetophenone	105	4.175	4.157	0.018	95	1658235	120.0	117.8	
21 N-Nitrosodi-n-propylamine	70	4.198	4.175	0.023	88	801071	120.0	124.4	M
24 4-Methylphenol	108	4.234	4.204	0.030	97	1207366	120.0	117.5	
23 3 & 4 Methylphenol	108	4.234	4.204	0.030	98	1207366	120.0	117.5	
25 Hexachloroethane	117	4.234	4.228	0.006	94	668710	120.0	125.3	
$ 26 Nitrobenzene-d5	82	4.322	4.304	0.018	89	1286613	120.0	130.9	
27 Nitrobenzene	77	4.345	4.328	0.017	93	1767530	120.0	132.9	
28 n,n'-Dimethylaniline	120	4.345	4.328	0.017	93	2132115	120.0	124.3	
31 Isophorone	82	4.604	4.581	0.023	96	1850058	120.0	121.3	M
32 2-Nitrophenol	139	4.657	4.646	0.011	94	727924	120.0	125.2	
33 2,4-Dimethylphenol	122	4.751	4.734	0.017	92	1089664	120.0	121.8	
34 Bis(2-chloroethoxy)methane	93	4.828	4.810	0.018	99	1281921	120.0	124.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.922	4.910	0.012	96	1102187	120.0	123.4	
35 Benzoic acid	122	5.004	4.946	0.058	83	701839	120.0	122.2	M
37 1,2,4-Trichlorobenzene	180	4.981	4.975	0.006	94	1342716	120.0	127.2	
* 38 Naphthalene-d8	136	5.028	5.022	0.006	99	1215969	40.0	40.0	
39 Naphthalene	128	5.051	5.046	0.005	100	3749787	120.0	122.7	
40 4-Chloroaniline	127	5.139	5.122	0.017	96	1433322	120.0	123.3	
41 Hexachlorobutadiene	225	5.192	5.187	0.005	96	819275	120.0	130.1	
43 4-Chloro-3-methylphenol	107	5.657	5.645	0.012	96	888362	120.0	121.8	
44 2-Methylnaphthalene	142	5.751	5.745	0.006	86	2424472	120.0	121.3	
45 1-Methylnaphthalene	142	5.845	5.840	0.005	93	2254064	120.0	121.9	
46 Hexachlorocyclopentadiene	237	5.916	5.910	0.006	97	808964	120.0	130.7	
47 1,2,4,5-Tetrachlorobenzene	216	5.928	5.922	0.006	98	1186766	120.0	124.7	
48 2-tertbutyl-4-methylphenol	149	6.004	5.993	0.011	92	1663321	120.0	123.7	
49 2,4,6-Trichlorophenol	196	6.057	6.045	0.012	92	705819	120.0	132.1	
50 2,4,5-Trichlorophenol	196	6.098	6.087	0.011	99	727037	120.0	121.8	
$ 51 2-Fluorobiphenyl	172	6.134	6.122	0.012	98	2738547	120.0	129.1	
52 1,1'-Biphenyl	154	6.228	6.216	0.012	95	2758685	120.0	122.2	
53 2-Chloronaphthalene	162	6.239	6.228	0.011	99	2071959	120.0	122.8	
54 Phenyl ether	170	6.334	6.322	0.012	84	1541145	120.0	126.5	
55 2-Nitroaniline	65	6.363	6.351	0.012	94	474075	120.0	119.6	
57 1,3-Dimethylnaphthalene	156	6.457	6.451	0.006	93	1805026	120.0	125.9	
59 Coumarin	146	6.563	6.545	0.018	80	618137	120.0	118.1	
58 Dimethyl phthalate	163	6.575	6.551	0.024	99	1970204	120.0	121.1	
60 2,6-Dinitrotoluene	165	6.616	6.604	0.012	95	454711	120.0	122.2	
63 Acenaphthylene	152	6.639	6.634	0.005	97	3061092	120.0	122.7	
64 3-Nitroaniline	138	6.775	6.763	0.012	87	477455	120.0	124.3	
* 65 Acenaphthene-d10	164	6.781	6.775	0.006	94	559442	40.0	40.0	
67 Acenaphthene	154	6.816	6.804	0.012	94	1905324	120.0	123.1	
66 3,5-di-tert-butyl-4-hydrox	205	6.839	6.834	0.005	96	2233025	120.0	126.1	
68 2,4-Dinitrophenol	184	6.892	6.875	0.017	95	612125	240.0	228.1	
69 4-Nitrophenol	65	7.004	6.981	0.023	87	606318	240.0	258.2	
71 Dibenzofuran	168	6.986	6.981	0.005	98	2776612	120.0	122.5	
70 2,4-Dinitrotoluene	165	7.016	6.998	0.018	97	549554	120.0	125.0	
72 2,3,4,6-Tetrachlorophenol	232	7.128	7.116	0.012	96	535980	120.0	124.1	
73 Diethyl phthalate	149	7.263	7.245	0.018	99	1843598	120.0	122.1	
74 Fluorene	166	7.322	7.316	0.006	96	2158096	120.0	120.4	
75 4-Chlorophenyl phenyl ethe	204	7.333	7.328	0.005	97	1076363	120.0	118.9	
76 4-Nitroaniline	138	7.398	7.369	0.029	85	371334	120.0	121.2	
77 4,6-Dinitro-2-methylphenol	198	7.433	7.410	0.023	93	701285	240.0	251.2	
78 N-Nitrosodiphenylamine	169	7.469	7.451	0.018	72	1478349	120.0	125.5	
79 1,2-Diphenylhydrazine	77	7.492	7.487	0.005	96	1890706	120.0	135.6	
$ 80 2,4,6-Tribromophenol	330	7.569	7.557	0.012	93	339144	120.0	131.7	
81 4-Bromophenyl phenyl ether	248	7.810	7.798	0.012	94	620400	120.0	125.7	
82 Hexachlorobenzene	284	7.869	7.863	0.006	97	670466	120.0	133.1	
84 Pentachlorophenol	266	8.075	8.063	0.012	94	751761	240.0	227.8	
85 Pentachloronitrobenzene	237	8.086	8.075	0.011	90	238085	120.0	126.8	
86 n-Octadecane	57	8.186	8.181	0.005	92	1419959	120.0	133.9	
* 87 Phenanthrene-d10	188	8.228	8.222	0.006	98	760694	40.0	40.0	
88 Phenanthrene	178	8.257	8.245	0.012	97	2513288	120.0	121.8	
89 Anthracene	178	8.310	8.298	0.012	99	2617075	120.0	121.3	
90 Carbazole	167	8.475	8.469	0.006	96	2064981	120.0	121.0	
91 Di-n-butyl phthalate	149	8.845	8.839	0.006	100	2497133	120.0	122.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.416	9.410	0.006	98	2284555	120.0	118.3	
93 Benzidine	184	9.563	9.557	0.006	99	1119247	120.0	130.9	
94 Pyrene	202	9.627	9.622	0.005	97	2230583	120.0	115.0	
95 Bisphenol-A	213	9.722	9.716	0.006	99	808554	120.0	118.4	
$ 96 Terphenyl-d14	244	9.810	9.798	0.012	99	1695718	120.0	119.8	
97 Butyl benzyl phthalate	149	10.304	10.298	0.006	96	810112	120.0	120.2	
99 Carbamazepine	193	10.398	10.386	0.012	92	666623	120.0	134.0	
100 3,3'-Dichlorobenzidine	252	10.833	10.822	0.011	99	641026	120.0	128.1	
101 Benzo[a]anthracene	228	10.833	10.828	0.005	98	1721442	120.0	117.5	
* 102 Chrysene-d12	240	10.845	10.839	0.006	99	481505	40.0	40.0	
103 Chrysene	228	10.880	10.869	0.011	99	1612183	120.0	120.7	
104 Bis(2-ethylhexyl) phthalat	149	10.921	10.916	0.005	87	1145008	120.0	122.9	
105 Di-n-octyl phthalate	149	11.680	11.675	0.006	97	1763277	120.0	117.2	
106 Benzo[b]fluoranthene	252	12.086	12.074	0.012	98	1532664	120.0	132.5	
107 Benzo[k]fluoranthene	252	12.115	12.104	0.011	99	1484449	120.0	115.5	
108 Benzo[a]pyrene	252	12.480	12.469	0.011	98	1370440	120.0	126.2	
* 109 Perylene-d12	264	12.545	12.539	0.006	99	393675	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.904	13.892	0.012	99	1318593	120.0	144.3	
111 Dibenz(a,h)anthracene	278	13.939	13.921	0.018	97	1275657	120.0	140.7	
112 Benzo[g,h,i]perylene	276	14.239	14.216	0.023	98	1253603	120.0	120.0	
S 119 Total Cresols	1				0			234.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L8_00011 Amount Added: 1.00 Units: mL

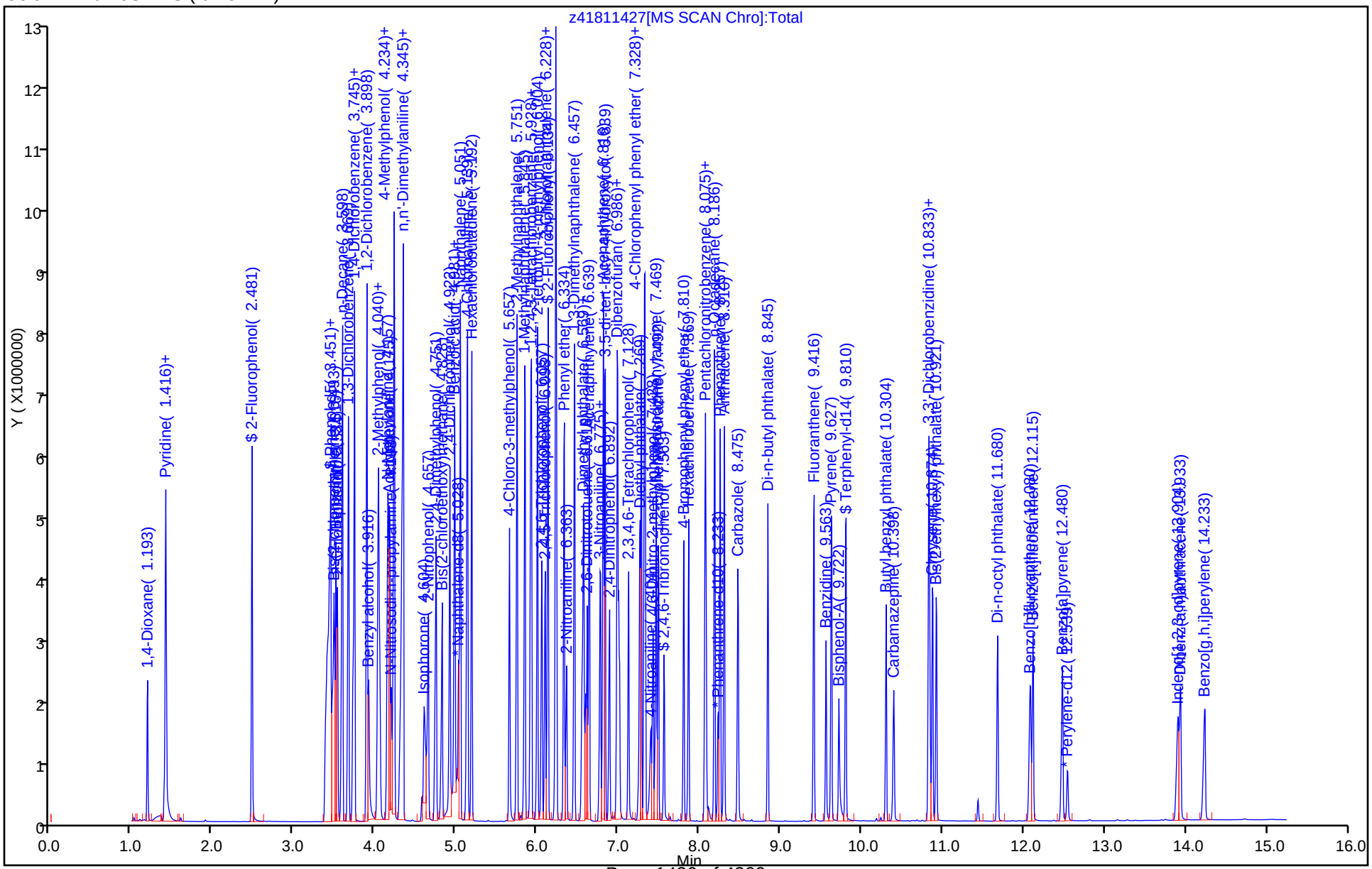
Report Date: 24-Aug-2016 16:11:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811427.D

Injection Date:	24-Aug-2016 07:25:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std120			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

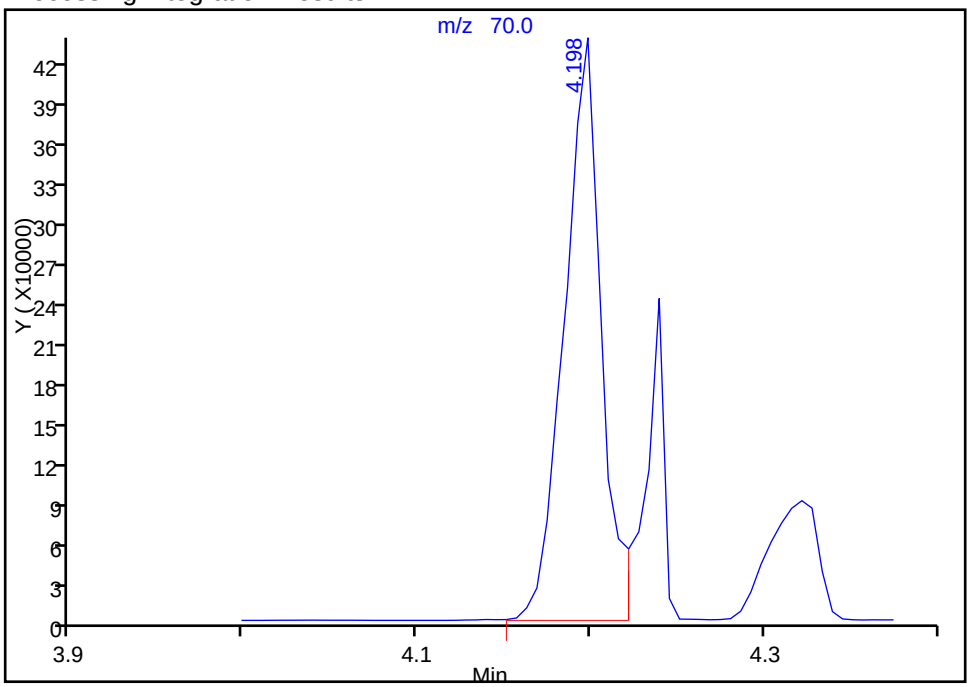
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811427.D				
Injection Date:	24-Aug-2016 07:25:30	Instrument ID:	CBNAMS11		
Lims ID:	std120				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

21 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

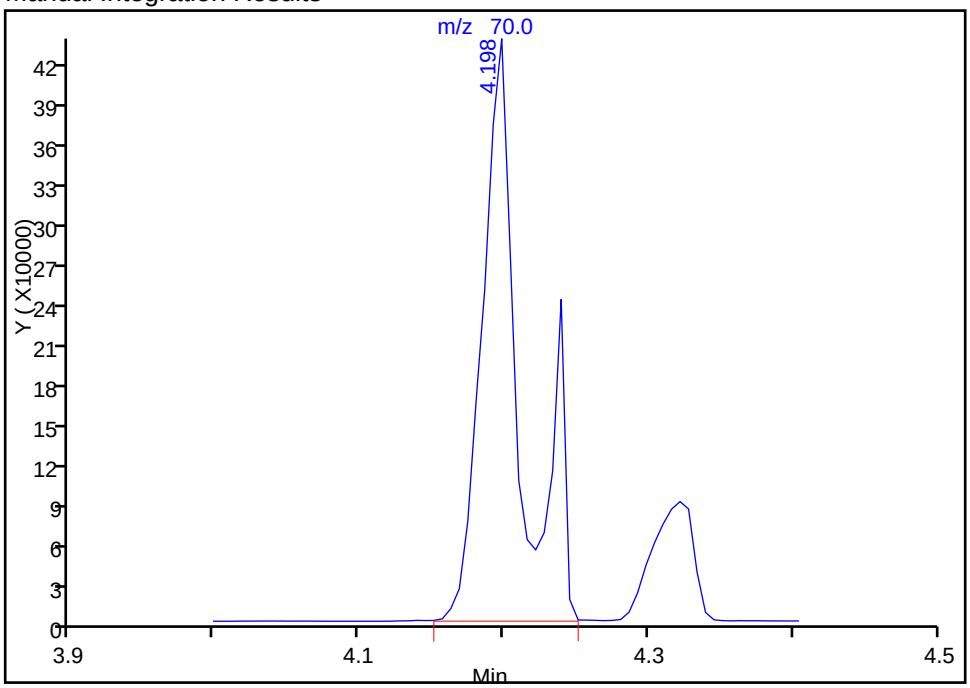
Processing Integration Results

RT: 4.20
Area: 646914
Amount: 102.3209
Amount Units: ug/ml



Manual Integration Results

RT: 4.20
Area: 801071
Amount: 124.3934
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 09:56:23

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

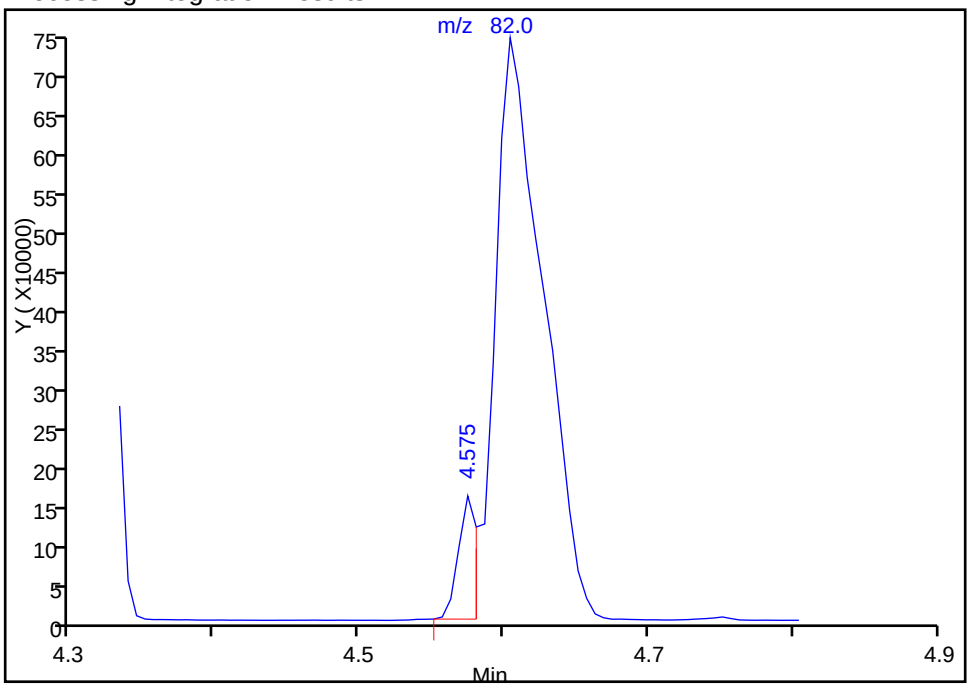
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811427.D
Injection Date: 24-Aug-2016 07:25:30 Instrument ID: CBNAMS11
Lims ID: std120
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

31 Isophorone, CAS: 78-59-1

Signal: 1

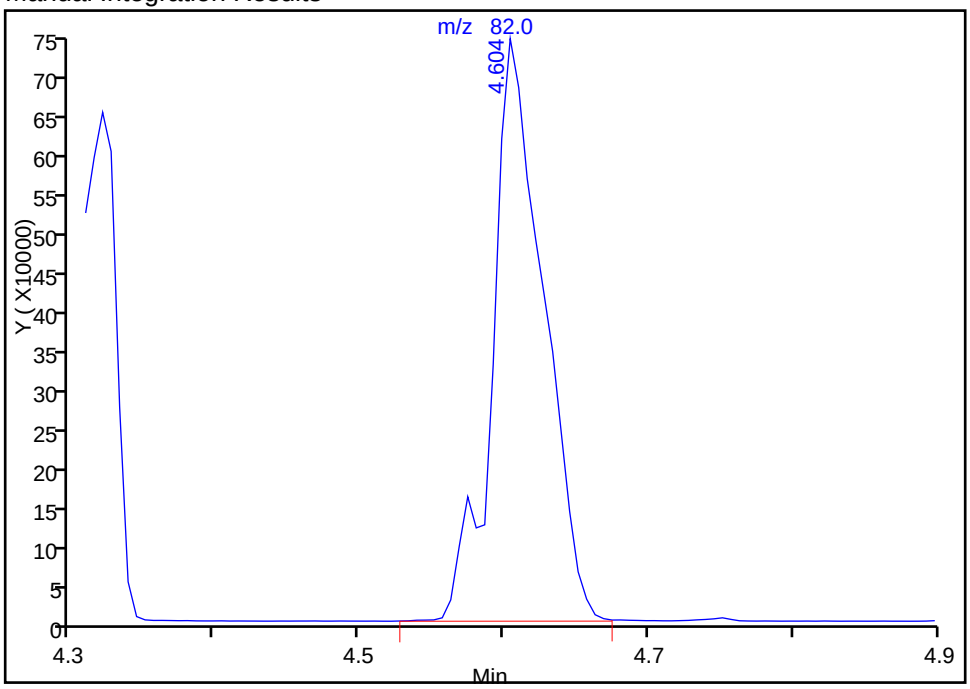
Processing Integration Results

RT: 4.57
Area: 141235
Amount: 10.686307
Amount Units: ug/ml



Manual Integration Results

RT: 4.60
Area: 1850058
Amount: 121.3092
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 09:56:23
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

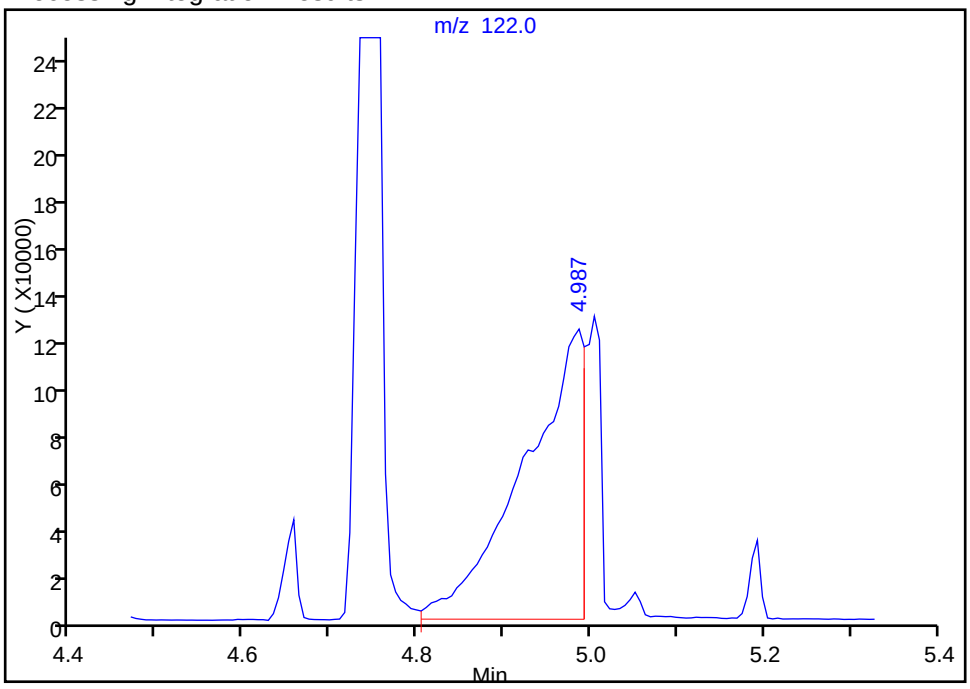
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811427.D				
Injection Date:	24-Aug-2016 07:25:30	Instrument ID:	CBNAMS11		
Lims ID:	std120				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

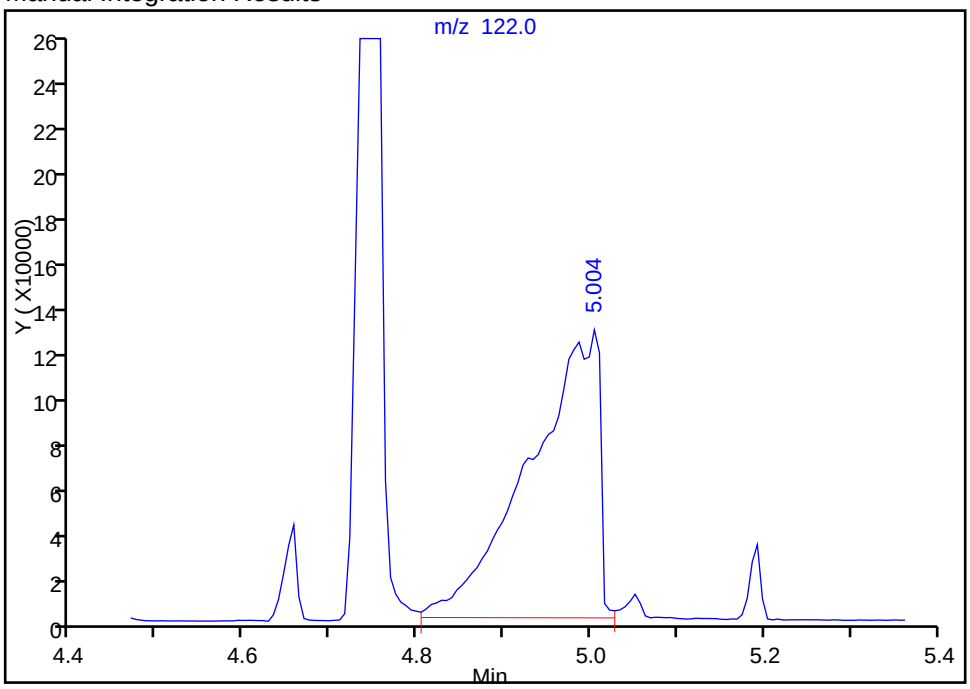
Processing Integration Results

RT: 4.99
Area: 584279
Amount: 117.5884
Amount Units: ug/ml



Manual Integration Results

RT: 5.00
Area: 701839
Amount: 122.1778
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 09:56:23

Audit Action: Manually Integrated Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811428.D
Lims ID: std80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Aug-2016 07:47:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-004
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:27 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 09:57:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.193	1.193	0.000	98	430535	80.0	83.0	
2 N-Nitrosodimethylamine	74	1.410	1.405	0.005	84	551443	80.0	83.3	
3 Pyridine	79	1.416	1.416	0.000	86	1001456	80.0	82.9	
$ 4 2-Fluorophenol	112	2.481	2.475	0.006	95	1059915	80.0	93.7	
8 Aniline	93	3.399	3.387	0.012	100	1392254	80.0	82.1	
$ 6 Phenol-d5	99	3.422	3.410	0.012	96	1149698	80.0	84.6	
7 Phenol	94	3.440	3.428	0.012	99	1196315	80.0	86.3	
9 Bis(2-chloroethyl)ether	93	3.481	3.475	0.006	97	909204	80.0	84.2	
10 Benzonitrile	103	3.499	3.481	0.018	0	1662415	NC	NC	
11 2-Chlorophenol	128	3.522	3.516	0.006	97	1042003	80.0	80.0	
12 n-Decane	43	3.593	3.587	0.006	89	1162634	80.0	81.7	
13 1,3-Dichlorobenzene	146	3.663	3.663	0.000	96	1269520	80.0	81.2	
* 14 1,4-Dichlorobenzene-d4	152	3.722	3.716	0.006	94	412287	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.740	3.740	0.000	94	1274537	80.0	81.2	
16 Benzyl alcohol	108	3.904	3.893	0.011	94	565425	80.0	82.9	
17 1,2-Dichlorobenzene	146	3.893	3.893	0.000	97	1171233	80.0	80.9	
19 2,2'-oxybis[1-chloropropan	45	4.034	4.028	0.006	94	1164749	80.0	79.0	
18 2-Methylphenol	108	4.046	4.034	0.012	87	844635	80.0	79.3	
20 N-Methylaniline	106	4.151	4.146	0.005	0	1404908	NC	NC	
22 Acetophenone	105	4.169	4.157	0.012	96	1177450	80.0	80.5	
21 N-Nitrosodi-n-propylamine	70	4.187	4.175	0.012	88	484460	80.0	72.4	
24 4-Methylphenol	108	4.216	4.204	0.012	94	814205	80.0	76.3	
23 3 & 4 Methylphenol	108	4.216	4.204	0.012	97	814205	80.0	76.3	
25 Hexachloroethane	117	4.234	4.228	0.006	92	459801	80.0	82.9	
$ 26 Nitrobenzene-d5	82	4.310	4.304	0.006	89	901532	80.0	85.6	
27 Nitrobenzene	77	4.340	4.328	0.012	95	1219361	80.0	85.6	
28 n,n'-Dimethylaniline	120	4.340	4.328	0.012	91	1458012	80.0	81.8	
31 Isophorone	82	4.593	4.581	0.012	98	1298589	80.0	79.5	
32 2-Nitrophenol	139	4.651	4.646	0.005	93	501126	80.0	80.5	
33 2,4-Dimethylphenol	122	4.746	4.734	0.012	92	780706	80.0	81.5	
34 Bis(2-chloroethoxy)methane	93	4.816	4.810	0.006	99	907989	80.0	82.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.916	4.910	0.006	96	778846	80.0	81.4	
35 Benzoic acid	122	4.975	4.946	0.029	88	497083	80.0	81.8	
37 1,2,4-Trichlorobenzene	180	4.975	4.975	0.000	94	938799	80.0	83.1	
* 38 Naphthalene-d8	136	5.022	5.022	0.000	99	1302312	40.0	40.0	
39 Naphthalene	128	5.045	5.046	-0.001	100	2670748	80.0	81.6	
40 4-Chloroaniline	127	5.128	5.122	0.006	97	1018737	80.0	81.8	
41 Hexachlorobutadiene	225	5.187	5.187	0.000	96	568544	80.0	84.3	
43 4-Chloro-3-methylphenol	107	5.651	5.645	0.006	96	629588	80.0	80.6	
44 2-Methylnaphthalene	142	5.745	5.745	0.000	86	1721099	80.0	80.4	
45 1-Methylnaphthalene	142	5.845	5.840	0.005	93	1583494	80.0	80.0	
46 Hexachlorocyclopentadiene	237	5.916	5.910	0.006	97	550047	80.0	83.5	
47 1,2,4,5-Tetrachlorobenzene	216	5.922	5.922	0.000	98	859822	80.0	83.8	
48 2-tertbutyl-4-methylphenol	149	5.998	5.993	0.005	92	1161339	80.0	80.6	
49 2,4,6-Trichlorophenol	196	6.051	6.045	0.006	92	498768	80.0	86.6	
50 2,4,5-Trichlorophenol	196	6.092	6.087	0.005	99	532890	80.0	82.9	
$ 51 2-Fluorobiphenyl	172	6.128	6.122	0.006	98	2002671	80.0	87.6	
52 1,1'-Biphenyl	154	6.222	6.216	0.006	96	2019254	80.0	83.0	
53 2-Chloronaphthalene	162	6.234	6.228	0.006	99	1488954	80.0	81.9	
54 Phenyl ether	170	6.328	6.322	0.006	84	1089554	80.0	83.0	
55 2-Nitroaniline	65	6.357	6.351	0.006	94	350663	80.0	82.1	
57 1,3-Dimethylnaphthalene	156	6.457	6.451	0.006	93	1276511	80.0	82.6	
59 Coumarin	146	6.551	6.545	0.006	81	436490	80.0	77.9	
58 Dimethyl phthalate	163	6.563	6.551	0.012	99	1400692	80.0	79.9	
60 2,6-Dinitrotoluene	165	6.610	6.604	0.006	92	333021	80.0	83.1	
63 Acenaphthylene	152	6.634	6.634	0.000	97	2189371	80.0	81.5	
64 3-Nitroaniline	138	6.769	6.763	0.006	96	333077	80.0	80.5	
* 65 Acenaphthene-d10	164	6.775	6.775	0.000	94	602699	40.0	40.0	
67 Acenaphthene	154	6.810	6.804	0.006	94	1355377	80.0	81.3	
66 3,5-di-tert-butyl-4-hydrox	205	6.834	6.834	0.000	97	1561406	80.0	81.8	
68 2,4-Dinitrophenol	184	6.887	6.875	0.012	94	441204	160.0	160.1	
69 4-Nitrophenol	65	6.992	6.981	0.011	91	427395	160.0	168.9	
71 Dibenzofuran	168	6.987	6.981	0.006	99	1984653	80.0	81.3	
70 2,4-Dinitrotoluene	165	7.004	6.998	0.006	97	395120	80.0	83.4	
72 2,3,4,6-Tetrachlorophenol	232	7.122	7.116	0.006	96	398520	80.0	85.6	
73 Diethyl phthalate	149	7.257	7.245	0.012	99	1296913	80.0	79.7	
74 Fluorene	166	7.316	7.316	0.000	96	1568431	80.0	81.2	
75 4-Chlorophenyl phenyl ethe	204	7.328	7.328	0.000	91	785713	80.0	80.5	
76 4-Nitroaniline	138	7.387	7.369	0.018	86	259850	80.0	78.7	
77 4,6-Dinitro-2-methylphenol	198	7.416	7.410	0.006	92	501856	160.0	169.0	
78 N-Nitrosodiphenylamine	169	7.457	7.451	0.006	86	1059333	80.0	84.3	
79 1,2-Diphenylhydrazine	77	7.487	7.487	-0.001	96	1239185	80.0	83.3	
$ 80 2,4,6-Tribromophenol	330	7.563	7.557	0.006	93	249792	80.0	90.0	
81 4-Bromophenyl phenyl ether	248	7.804	7.798	0.006	94	443419	80.0	84.2	
82 Hexachlorobenzene	284	7.863	7.863	0.000	96	473120	80.0	88.0	
84 Pentachlorophenol	266	8.069	8.063	0.006	95	524237	160.0	159.1	
85 Pentachloronitrobenzene	237	8.081	8.075	0.006	89	165486	80.0	82.6	
86 n-Octadecane	57	8.186	8.181	0.005	92	980470	80.0	86.7	
* 87 Phenanthrene-d10	188	8.228	8.222	0.006	98	811701	40.0	40.0	
88 Phenanthrene	178	8.251	8.245	0.006	97	1799552	80.0	81.7	
89 Anthracene	178	8.304	8.298	0.006	99	1851399	80.0	80.4	
90 Carbazole	167	8.475	8.469	0.006	96	1452821	80.0	79.7	
91 Di-n-butyl phthalate	149	8.845	8.839	0.006	100	1755749	80.0	80.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.410	9.410	0.000	98	1610368	80.0	78.1	
93 Benzidine	184	9.563	9.557	0.006	99	766832	80.0	84.1	
94 Pyrene	202	9.628	9.622	0.006	98	1567801	80.0	78.9	
95 Bisphenol-A	213	9.722	9.716	0.006	99	563839	80.0	83.3	
$ 96 Terphenyl-d14	244	9.804	9.798	0.006	99	1226706	80.0	84.5	
97 Butyl benzyl phthalate	149	10.304	10.298	0.006	96	547694	80.0	79.3	
99 Carbamazepine	193	10.392	10.386	0.006	92	436568	80.0	85.7	
100 3,3'-Dichlorobenzidine	252	10.827	10.822	0.005	99	432140	80.0	84.3	
101 Benzo[a]anthracene	228	10.833	10.828	0.005	98	1177135	80.0	78.4	
* 102 Chrysene-d12	240	10.845	10.839	0.006	99	493379	40.0	40.0	
103 Chrysene	228	10.875	10.869	0.006	99	1102029	80.0	80.5	
104 Bis(2-ethylhexyl) phthalat	149	10.922	10.916	0.006	87	771766	80.0	80.9	
105 Di-n-octyl phthalate	149	11.680	11.675	0.006	97	1161291	80.0	77.6	
106 Benzo[b]fluoranthene	252	12.080	12.074	0.006	98	965737	80.0	83.9	
107 Benzo[k]fluoranthene	252	12.116	12.104	0.012	99	1022830	80.0	79.9	
108 Benzo[a]pyrene	252	12.474	12.469	0.005	98	893164	80.0	82.6	
* 109 Perylene-d12	264	12.539	12.539	0.000	99	391828	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.898	13.892	0.006	99	866504	80.0	95.2	
111 Dibenz(a,h)anthracene	278	13.927	13.921	0.006	98	825368	80.0	91.4	
112 Benzo[g,h,i]perylene	276	14.227	14.216	0.011	98	809541	80.0	79.7	
S 119 Total Cresols	1				0			155.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L7_00011 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2016 16:11:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811428.D

Injection Date: 24-Aug-2016 07:47:30 Instrument ID: CBNAMS11 Operator ID:

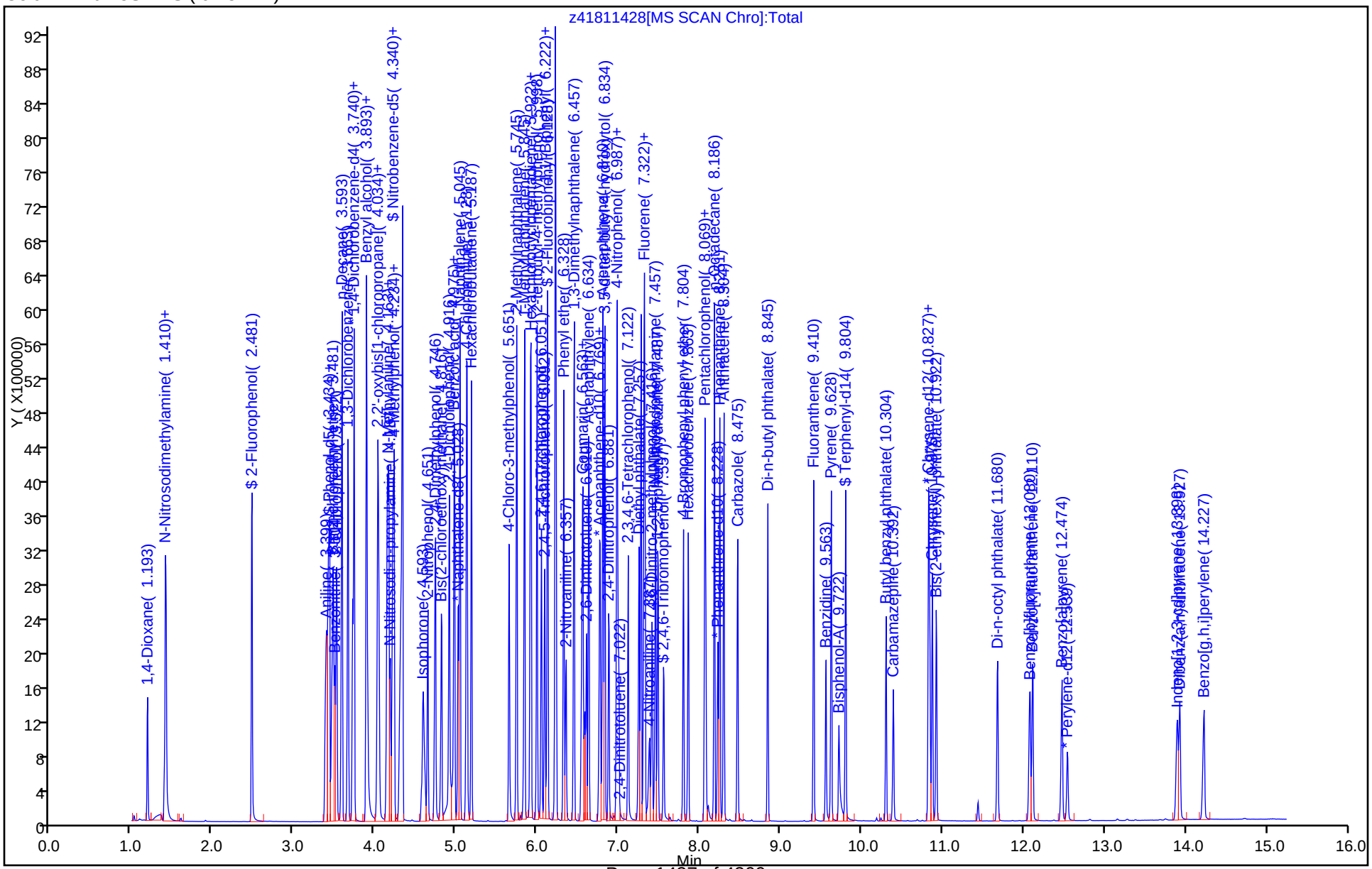
Lims ID: std80 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270_11R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811429.D
Lims ID: std20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Aug-2016 08:09:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-005
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:31 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 09:58:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.199	1.193	0.006	99	120565	20.0	20.1	
2 N-Nitrosodimethylamine	74	1.405	1.405	0.000	83	156108	20.0	20.4	
3 Pyridine	79	1.422	1.416	0.006	86	282758	20.0	20.3	
$ 4 2-Fluorophenol	112	2.475	2.475	0.000	96	259526	20.0	19.8	
8 Aniline	93	3.381	3.387	-0.006	100	403101	20.0	20.6	
$ 6 Phenol-d5	99	3.399	3.410	-0.012	94	302603	20.0	19.3	
7 Phenol	94	3.410	3.428	-0.018	98	321160	20.0	20.0	
9 Bis(2-chloroethyl)ether	93	3.463	3.475	-0.012	81	263466	20.0	21.1	
10 Benzonitrile	103	3.463	3.481	-0.018	0	490931	NC	NC	
11 2-Chlorophenol	128	3.510	3.516	-0.006	97	307375	20.0	20.4	
12 n-Decane	43	3.581	3.587	-0.006	90	334899	20.0	20.3	
13 1,3-Dichlorobenzene	146	3.657	3.663	-0.006	97	370833	20.0	20.5	
* 14 1,4-Dichlorobenzene-d4	152	3.716	3.716	0.000	96	476695	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.734	3.740	-0.006	96	369172	20.0	20.4	
16 Benzyl alcohol	108	3.881	3.893	-0.012	95	139052	20.0	19.4	
17 1,2-Dichlorobenzene	146	3.887	3.893	-0.006	97	343767	20.0	20.5	
19 2,2'-oxybis[1-chloropropan	45	4.022	4.028	-0.006	86	349859	20.0	20.5	
18 2-Methylphenol	108	4.028	4.034	-0.006	85	254706	20.0	20.7	
20 N-Methylaniline	106	4.134	4.146	-0.012	0	410873	NC	NC	
22 Acetophenone	105	4.146	4.157	-0.011	96	346750	20.0	20.5	
21 N-Nitrosodi-n-propylamine	70	4.157	4.175	-0.018	90	162574	20.0	21.0	
24 4-Methylphenol	108	4.193	4.204	-0.011	94	260709	20.0	21.1	
23 3 & 4 Methylphenol	108	4.193	4.204	-0.011	97	260709	20.0	21.1	
25 Hexachloroethane	117	4.228	4.228	0.000	92	130798	20.0	20.4	
$ 26 Nitrobenzene-d5	82	4.293	4.304	-0.011	89	240740	20.0	19.0	
27 Nitrobenzene	77	4.316	4.328	-0.012	95	356307	20.0	20.8	
28 n,n'-Dimethylaniline	120	4.322	4.328	-0.006	97	428636	20.0	20.8	
31 Isophorone	82	4.563	4.581	-0.018	98	403507	20.0	20.5	
32 2-Nitrophenol	139	4.640	4.646	-0.006	93	151935	20.0	20.3	
33 2,4-Dimethylphenol	122	4.728	4.734	-0.006	92	233533	20.0	20.2	
34 Bis(2-chloroethoxy)methane	93	4.804	4.810	-0.006	99	264308	20.0	19.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.904	4.910	-0.006	96	239165	20.0	20.8	
35 Benzoic acid	122	4.893	4.946	-0.053	89	126235	20.0	19.5	
37 1,2,4-Trichlorobenzene	180	4.969	4.975	-0.006	94	278771	20.0	20.5	
* 38 Naphthalene-d8	136	5.016	5.022	-0.006	99	1568433	40.0	40.0	
39 Naphthalene	128	5.040	5.046	-0.006	100	795649	20.0	20.2	
40 4-Chloroaniline	127	5.116	5.122	-0.006	97	304338	20.0	20.3	
41 Hexachlorobutadiene	225	5.181	5.187	-0.006	97	167560	20.0	20.6	
43 4-Chloro-3-methylphenol	107	5.645	5.645	0.000	95	189116	20.0	20.1	
44 2-Methylnaphthalene	142	5.740	5.745	-0.005	86	515130	20.0	20.0	
45 1-Methylnaphthalene	142	5.834	5.840	-0.006	92	475844	20.0	20.0	
46 Hexachlorocyclopentadiene	237	5.910	5.910	0.000	97	137232	20.0	18.6	
47 1,2,4,5-Tetrachlorobenzene	216	5.916	5.922	-0.006	98	258159	20.0	19.8	
48 2-tertbutyl-4-methylphenol	149	5.987	5.993	-0.006	92	355892	20.0	20.5	
49 2,4,6-Trichlorophenol	196	6.045	6.045	0.000	93	149420	20.0	20.4	
50 2,4,5-Trichlorophenol	196	6.087	6.087	0.000	99	166689	20.0	20.4	
$ 51 2-Fluorobiphenyl	172	6.122	6.122	0.000	98	561441	20.0	19.3	
52 1,1'-Biphenyl	154	6.216	6.216	0.000	96	621805	20.0	20.1	
53 2-Chloronaphthalene	162	6.222	6.228	-0.006	99	460598	20.0	19.9	
54 Phenyl ether	170	6.322	6.322	0.000	84	329640	20.0	19.7	
55 2-Nitroaniline	65	6.339	6.351	-0.012	92	112201	20.0	20.7	
57 1,3-Dimethylnaphthalene	156	6.445	6.451	-0.006	93	391320	20.0	19.9	
59 Coumarin	146	6.539	6.545	-0.006	81	139632	20.0	20.7	
58 Dimethyl phthalate	163	6.539	6.551	-0.012	99	457454	20.0	20.5	
60 2,6-Dinitrotoluene	165	6.592	6.604	-0.012	94	107760	20.0	21.1	
63 Acenaphthylene	152	6.628	6.634	-0.006	97	689700	20.0	20.2	
64 3-Nitroaniline	138	6.751	6.763	-0.012	95	107569	20.0	20.4	
* 65 Acenaphthene-d10	164	6.769	6.775	-0.006	92	766447	40.0	40.0	
67 Acenaphthene	154	6.798	6.804	-0.006	94	431008	20.0	20.3	
66 3,5-di-tert-butyl-4-hydrox	205	6.828	6.834	-0.006	97	488620	20.0	20.1	
68 2,4-Dinitrophenol	184	6.869	6.875	-0.006	94	125152	40.0	41.2	
69 4-Nitrophenol	65	6.975	6.981	-0.006	85	134221	40.0	41.7	
71 Dibenzofuran	168	6.975	6.981	-0.006	93	628962	20.0	20.3	
70 2,4-Dinitrotoluene	165	6.992	6.998	-0.006	94	129056	20.0	21.4	
72 2,3,4,6-Tetrachlorophenol	232	7.116	7.116	0.000	96	124004	20.0	20.9	
73 Diethyl phthalate	149	7.239	7.245	-0.006	99	420674	20.0	20.3	
74 Fluorene	166	7.310	7.316	-0.006	96	501320	20.0	20.4	
75 4-Chlorophenyl phenyl ethe	204	7.322	7.328	-0.006	93	256557	20.0	20.7	
76 4-Nitroaniline	138	7.357	7.369	-0.012	87	87219	20.0	20.8	
77 4,6-Dinitro-2-methylphenol	198	7.398	7.410	-0.012	93	159537	40.0	40.8	
78 N-Nitrosodiphenylamine	169	7.445	7.451	-0.006	68	340172	20.0	19.9	
79 1,2-Diphenylhydrazine	77	7.475	7.487	-0.012	96	398405	20.0	19.7	
$ 80 2,4,6-Tribromophenol	330	7.551	7.557	-0.006	93	67897	20.0	19.2	
81 4-Bromophenyl phenyl ether	248	7.798	7.798	0.000	95	141998	20.0	19.8	
82 Hexachlorobenzene	284	7.857	7.863	-0.006	96	153142	20.0	20.9	
84 Pentachlorophenol	266	8.063	8.063	0.000	94	152935	40.0	38.7	M
85 Pentachloronitrobenzene	237	8.069	8.075	-0.006	89	55177	20.0	20.2	
86 n-Octadecane	57	8.181	8.181	0.000	93	300898	20.0	19.5	
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	1104878	40.0	40.0	
88 Phenanthrene	178	8.245	8.245	0.000	97	605620	20.0	20.2	
89 Anthracene	178	8.292	8.298	-0.006	99	641332	20.0	20.5	
90 Carbazole	167	8.463	8.469	-0.006	96	509769	20.0	20.6	
91 Di-n-butyl phthalate	149	8.839	8.839	0.000	100	595529	20.0	20.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.404	9.410	-0.006	98	577897	20.0	20.6	
93 Benzidine	184	9.557	9.557	0.000	99	258518	20.0	20.8	
94 Pyrene	202	9.622	9.622	0.000	98	556968	20.0	20.6	
95 Bisphenol-A	213	9.739	9.716	0.023	99	109839	20.0	19.3	
$ 96 Terphenyl-d14	244	9.798	9.798	0.000	99	380758	20.0	19.3	
97 Butyl benzyl phthalate	149	10.298	10.298	0.000	95	185509	20.0	19.8	
99 Carbamazepine	193	10.380	10.386	-0.006	91	136165	20.0	19.7	
100 3,3'-Dichlorobenzidine	252	10.822	10.822	0.000	99	147790	20.0	21.2	
101 Benzo[a]anthracene	228	10.827	10.828	-0.001	98	408929	20.0	20.1	
* 102 Chrysene-d12	240	10.839	10.839	0.000	99	669879	40.0	40.0	
103 Chrysene	228	10.869	10.869	0.000	99	377215	20.0	20.3	
104 Bis(2-ethylhexyl) phthalat	149	10.922	10.916	0.006	87	265105	20.0	20.5	
105 Di-n-octyl phthalate	149	11.674	11.675	0.000	97	385175	20.0	20.0	
106 Benzo[b]fluoranthene	252	12.069	12.074	-0.005	98	322684	20.0	21.8	
107 Benzo[k]fluoranthene	252	12.098	12.104	-0.006	99	315628	20.0	19.2	
108 Benzo[a]pyrene	252	12.463	12.469	-0.006	98	281498	20.0	20.3	
* 109 Perylene-d12	264	12.539	12.539	0.000	99	502810	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.886	13.892	-0.006	99	248560	20.0	21.3	
111 Dibenz(a,h)anthracene	278	13.915	13.921	-0.006	96	245871	20.0	21.2	
112 Benzo[g,h,i]perylene	276	14.210	14.216	-0.006	98	237855	20.0	19.4	
S 119 Total Cresols	1				0			41.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L5_00011 Amount Added: 1.00 Units: mL

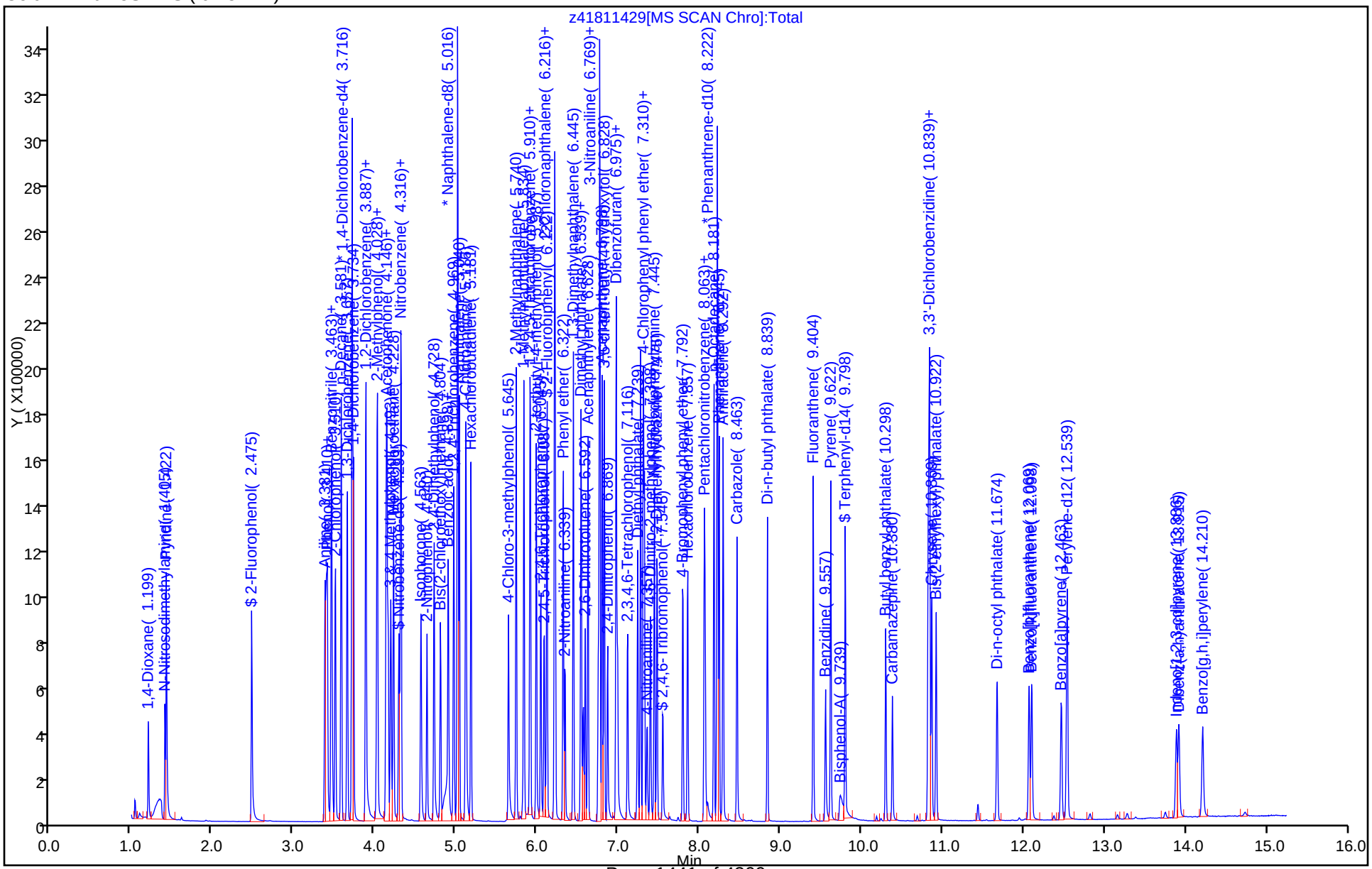
Report Date: 24-Aug-2016 16:11:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811429.D

Injection Date:	24-Aug-2016 08:09:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std20			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

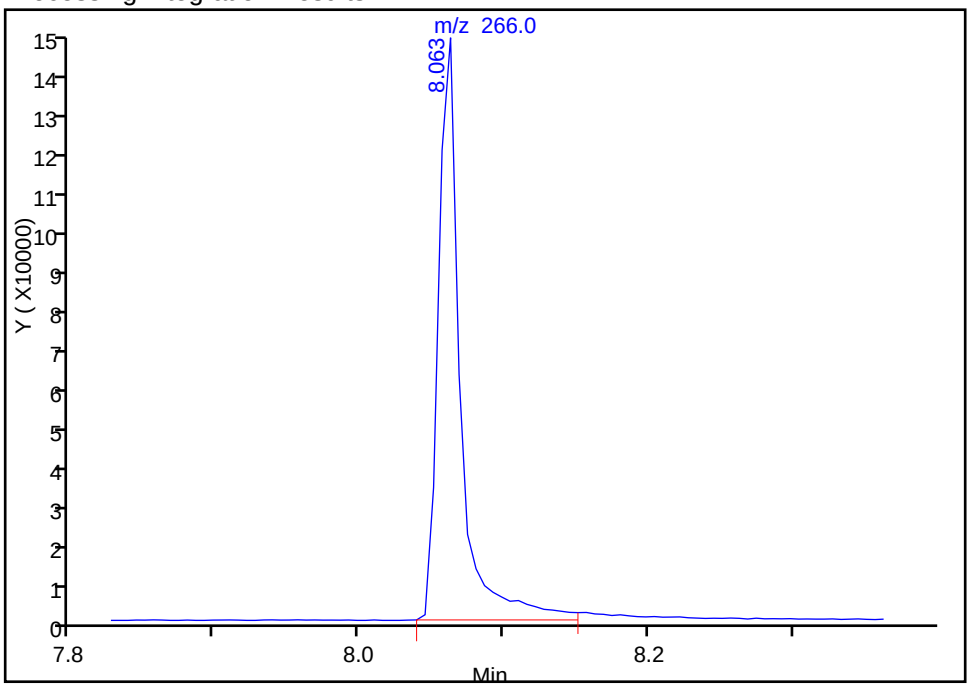
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811429.D				
Injection Date:	24-Aug-2016 08:09:30	Instrument ID:	CBNAMS11		
Lims ID:	std20				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

84 Pentachlorophenol, CAS: 87-86-5

Signal: 1

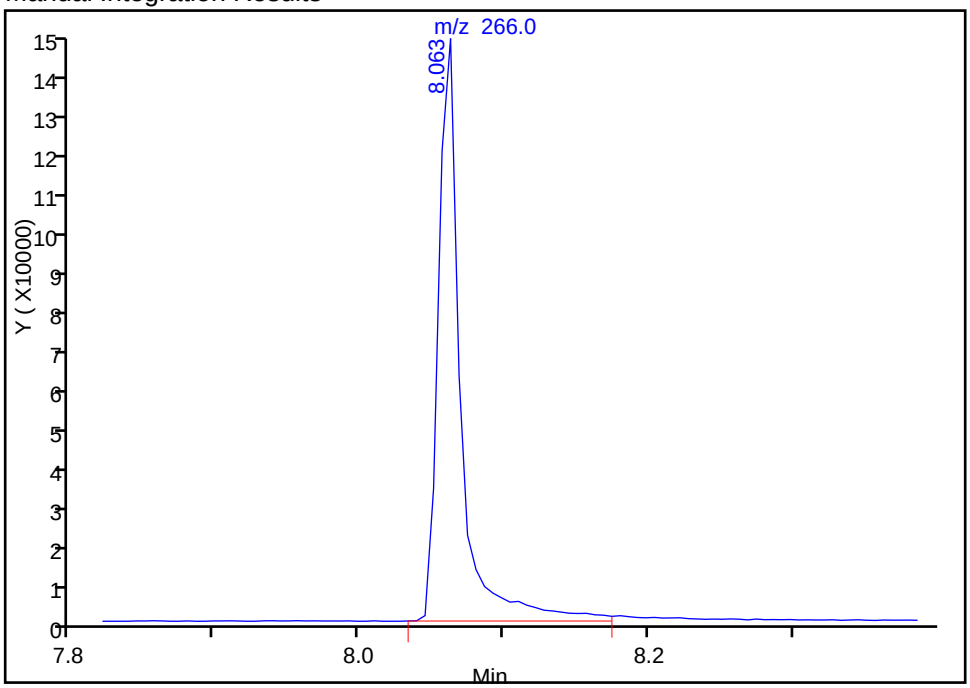
Processing Integration Results

RT: 8.06
Area: 150485
Amount: 42.663627
Amount Units: ug/ml



Manual Integration Results

RT: 8.06
Area: 152935
Amount: 38.734775
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 10:17:54

Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 24-Aug-2016 16:11:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811430.D
Lims ID: std10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Aug-2016 08:30:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-006
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:35 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 10:00:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.205	1.193	0.012	98	66135	10.0	9.85	
2 N-Nitrosodimethylamine	74	1.405	1.405	0.000	82	85383	10.0	9.97	
3 Pyridine	79	1.428	1.416	0.012	85	154498	10.0	9.88	
$ 4 2-Fluorophenol	112	2.481	2.475	0.006	95	146594	10.0	10.0	
8 Aniline	93	3.381	3.387	-0.006	100	222617	10.0	10.1	
$ 6 Phenol-d5	99	3.393	3.410	-0.017	91	171512	10.0	9.75	
7 Phenol	94	3.404	3.428	-0.024	98	178053	10.0	9.92	
9 Bis(2-chloroethyl)ether	93	3.457	3.475	-0.018	73	146547	10.0	10.5	
10 Benzonitrile	103	3.457	3.481	-0.024	0	277880	NC	NC	
11 2-Chlorophenol	128	3.504	3.516	-0.012	97	171859	10.0	10.2	
12 n-Decane	43	3.581	3.587	-0.006	90	181494	10.0	9.85	
13 1,3-Dichlorobenzene	146	3.651	3.663	-0.012	97	201698	10.0	9.97	
* 14 1,4-Dichlorobenzene-d4	152	3.716	3.716	0.000	95	533676	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.734	3.740	-0.006	96	202299	10.0	9.96	
16 Benzyl alcohol	108	3.881	3.893	-0.012	95	58626	10.0	8.76	
17 1,2-Dichlorobenzene	146	3.887	3.893	-0.006	96	188039	10.0	10.0	
19 2,2'-oxybis[1-chloropropan	45	4.022	4.028	-0.006	85	199664	10.0	10.5	
18 2-Methylphenol	108	4.022	4.034	-0.012	86	147361	10.0	10.7	
20 N-Methylaniline	106	4.134	4.146	-0.012	0	234371	NC	NC	
22 Acetophenone	105	4.140	4.157	-0.017	97	196598	10.0	10.4	
21 N-Nitrosodi-n-propylamine	70	4.151	4.175	-0.024	90	93845	10.0	10.8	
24 4-Methylphenol	108	4.187	4.204	-0.017	96	148401	10.0	10.7	
23 3 & 4 Methylphenol	108	4.187	4.204	-0.017	98	148401	10.0	10.7	
25 Hexachloroethane	117	4.228	4.228	0.000	92	73619	10.0	10.3	
$ 26 Nitrobenzene-d5	82	4.287	4.304	-0.017	89	139270	10.0	9.67	
27 Nitrobenzene	77	4.310	4.328	-0.018	93	202893	10.0	10.4	
28 n,n'-Dimethylaniline	120	4.316	4.328	-0.012	93	244900	10.0	10.6	
31 Isophorone	82	4.557	4.581	-0.024	98	227360	10.0	10.2	
32 2-Nitrophenol	139	4.640	4.646	-0.006	95	86680	10.0	10.2	
33 2,4-Dimethylphenol	122	4.722	4.734	-0.012	92	133448	10.0	10.2	
34 Bis(2-chloroethoxy)methane	93	4.804	4.810	-0.006	99	151705	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.898	4.910	-0.012	96	134510	10.0	10.3	
35 Benzoic acid	122	4.869	4.946	-0.077	89	69001	10.0	10.9	
37 1,2,4-Trichlorobenzene	180	4.969	4.975	-0.006	94	158483	10.0	10.2	
* 38 Naphthalene-d8	136	5.016	5.022	-0.006	99	1782535	40.0	40.0	
39 Naphthalene	128	5.034	5.046	-0.012	99	444368	10.0	9.92	
40 4-Chloroaniline	127	5.116	5.122	-0.006	97	170776	10.0	10.0	
41 Hexachlorobutadiene	225	5.181	5.187	-0.006	97	94441	10.0	10.2	
43 4-Chloro-3-methylphenol	107	5.645	5.645	0.000	95	107593	10.0	10.1	
44 2-Methylnaphthalene	142	5.740	5.745	-0.005	85	297111	10.0	10.1	
45 1-Methylnaphthalene	142	5.834	5.840	-0.006	93	275895	10.0	10.2	
46 Hexachlorocyclopentadiene	237	5.910	5.910	0.000	97	68229	10.0	9.54	
47 1,2,4,5-Tetrachlorobenzene	216	5.916	5.922	-0.006	99	146809	10.0	9.73	
48 2-tertbutyl-4-methylphenol	149	5.987	5.993	-0.006	93	198872	10.0	10.1	
49 2,4,6-Trichlorophenol	196	6.040	6.045	-0.005	93	82747	10.0	9.77	
50 2,4,5-Trichlorophenol	196	6.087	6.087	0.000	98	92884	10.0	9.82	
$ 51 2-Fluorobiphenyl	172	6.116	6.122	-0.006	98	325719	10.0	9.69	
52 1,1'-Biphenyl	154	6.210	6.216	-0.006	96	354608	10.0	9.91	
53 2-Chloronaphthalene	162	6.222	6.228	-0.006	98	265604	10.0	9.94	
54 Phenyl ether	170	6.316	6.322	-0.006	84	193887	10.0	10.0	
55 2-Nitroaniline	65	6.340	6.351	-0.011	94	64584	10.0	10.3	
57 1,3-Dimethylnaphthalene	156	6.445	6.451	-0.006	94	229126	10.0	10.1	
59 Coumarin	146	6.534	6.545	-0.011	82	79471	10.0	10.4	
58 Dimethyl phthalate	163	6.540	6.551	-0.011	100	263190	10.0	10.2	
60 2,6-Dinitrotoluene	165	6.587	6.604	-0.017	95	60544	10.0	10.3	
63 Acenaphthylene	152	6.622	6.634	-0.012	97	397590	10.0	10.1	
64 3-Nitroaniline	138	6.751	6.763	-0.012	96	61608	10.0	10.1	
* 65 Acenaphthene-d10	164	6.769	6.775	-0.006	92	886495	40.0	40.0	
67 Acenaphthene	154	6.798	6.804	-0.006	94	244927	10.0	9.99	
66 3,5-di-tert-butyl-4-hydrox	205	6.828	6.834	-0.006	96	280166	10.0	9.98	
68 2,4-Dinitrophenol	184	6.863	6.875	-0.012	95	61449	20.0	19.7	
69 4-Nitrophenol	65	6.975	6.981	-0.006	90	72219	20.0	19.4	
71 Dibenzofuran	168	6.969	6.981	-0.012	96	358990	10.0	10.0	
70 2,4-Dinitrotoluene	165	6.987	6.998	-0.011	97	73917	10.0	10.6	
72 2,3,4,6-Tetrachlorophenol	232	7.116	7.116	0.000	96	66763	10.0	9.75	
73 Diethyl phthalate	149	7.234	7.245	-0.011	99	245026	10.0	10.2	
74 Fluorene	166	7.304	7.316	-0.012	95	285157	10.0	10.0	
75 4-Chlorophenyl phenyl ethe	204	7.322	7.328	-0.006	92	143419	10.0	10.0	
76 4-Nitroaniline	138	7.351	7.369	-0.018	87	50703	10.0	10.4	
77 4,6-Dinitro-2-methylphenol	198	7.392	7.410	-0.018	91	85204	20.0	19.6	
78 N-Nitrosodiphenylamine	169	7.439	7.451	-0.012	68	195281	10.0	9.77	
79 1,2-Diphenylhydrazine	77	7.475	7.487	-0.012	96	226601	10.0	9.58	
$ 80 2,4,6-Tribromophenol	330	7.551	7.557	-0.006	93	36730	10.0	9.00	
81 4-Bromophenyl phenyl ether	248	7.798	7.798	0.000	94	80128	10.0	9.57	
82 Hexachlorobenzene	284	7.851	7.863	-0.012	96	85428	10.0	10.0	
84 Pentachlorophenol	266	8.063	8.063	0.000	94	78112	20.0	17.4	M
85 Pentachloronitrobenzene	237	8.069	8.075	-0.006	90	31606	10.0	9.92	
86 n-Octadecane	57	8.181	8.181	0.000	93	167017	10.0	9.28	
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	1290934	40.0	40.0	
88 Phenanthrene	178	8.239	8.245	-0.006	96	348918	10.0	9.96	
89 Anthracene	178	8.292	8.298	-0.006	99	373844	10.0	10.2	
90 Carbazole	167	8.463	8.469	-0.006	96	296404	10.0	10.2	
91 Di-n-butyl phthalate	149	8.839	8.839	0.000	100	348823	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.404	9.410	-0.006	98	334191	10.0	10.2	
93 Benzidine	184	9.557	9.557	0.000	99	128707	10.0	8.87	
94 Pyrene	202	9.622	9.622	0.000	98	333693	10.0	10.9	
95 Bisphenol-A	213	9.780	9.716	0.064	96	18231	10.0	10.1	
$ 96 Terphenyl-d14	244	9.798	9.798	0.000	99	235641	10.0	10.5	
97 Butyl benzyl phthalate	149	10.298	10.298	0.000	95	113402	10.0	10.6	
99 Carbamazepine	193	10.380	10.386	-0.006	91	71146	10.0	9.04	
100 3,3'-Dichlorobenzidine	252	10.822	10.822	0.000	99	73709	10.0	9.31	
101 Benzo[a]anthracene	228	10.827	10.828	-0.001	98	228948	10.0	9.87	
* 102 Chrysene-d12	240	10.839	10.839	0.000	99	762064	40.0	40.0	
103 Chrysene	228	10.863	10.869	-0.006	98	214910	10.0	10.2	
104 Bis(2-ethylhexyl) phthalat	149	10.922	10.916	0.006	87	148520	10.0	10.1	
105 Di-n-octyl phthalate	149	11.674	11.675	0.000	97	211054	10.0	10.8	
106 Benzo[b]fluoranthene	252	12.063	12.074	-0.011	98	155697	10.0	10.4	
107 Benzo[k]fluoranthene	252	12.098	12.104	-0.006	98	173554	10.0	10.4	
108 Benzo[a]pyrene	252	12.463	12.469	-0.006	98	142923	10.0	10.2	
* 109 Perylene-d12	264	12.539	12.539	0.000	99	510408	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.886	13.892	-0.006	99	114416	10.0	9.65	M
111 Dibenz(a,h)anthracene	278	13.915	13.921	-0.006	96	120290	10.0	10.2	
112 Benzo[g,h,i]perylene	276	14.204	14.216	-0.012	98	116611	10.0	9.83	
S 119 Total Cresols	1				0			21.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L4_00011 Amount Added: 1.00 Units: mL

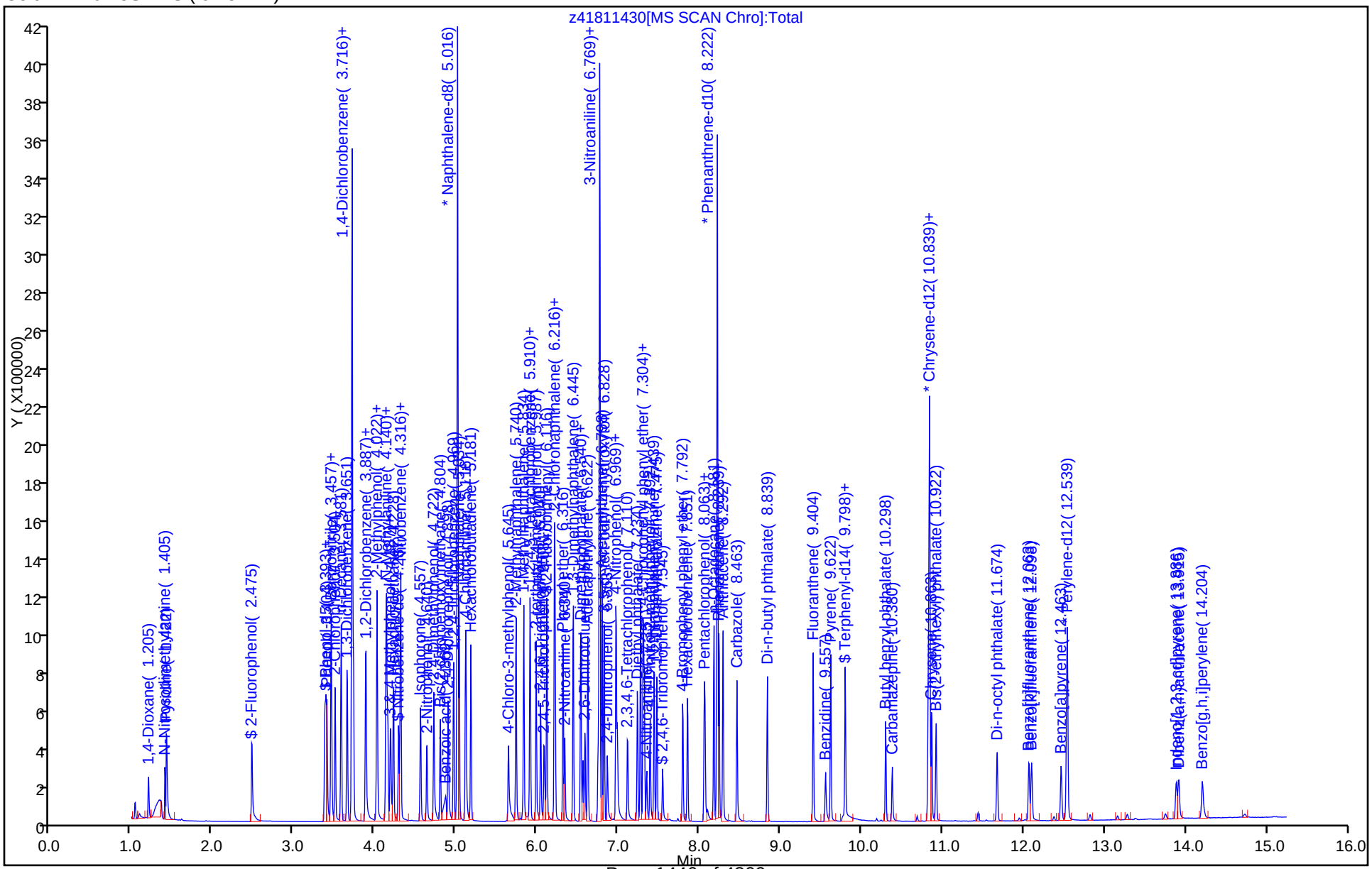
Report Date: 24-Aug-2016 16:11:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811430.D

Injection Date:	24-Aug-2016 08:30:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std10			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

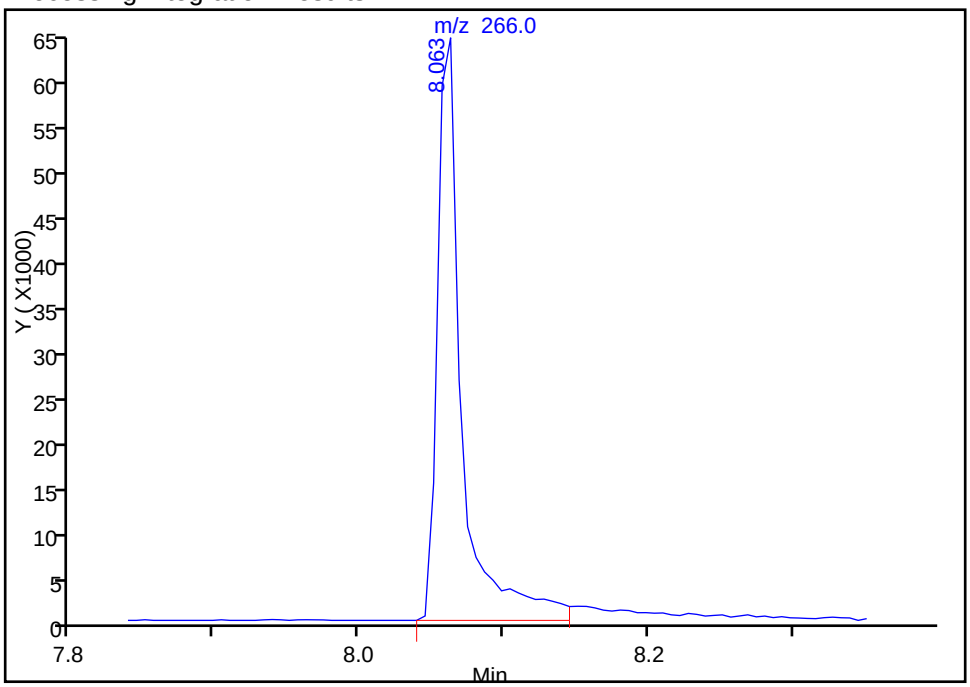
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811430.D				
Injection Date:	24-Aug-2016 08:30:30	Instrument ID:	CBNAMS11		
Lims ID:	std10				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

84 Pentachlorophenol, CAS: 87-86-5

Signal: 1

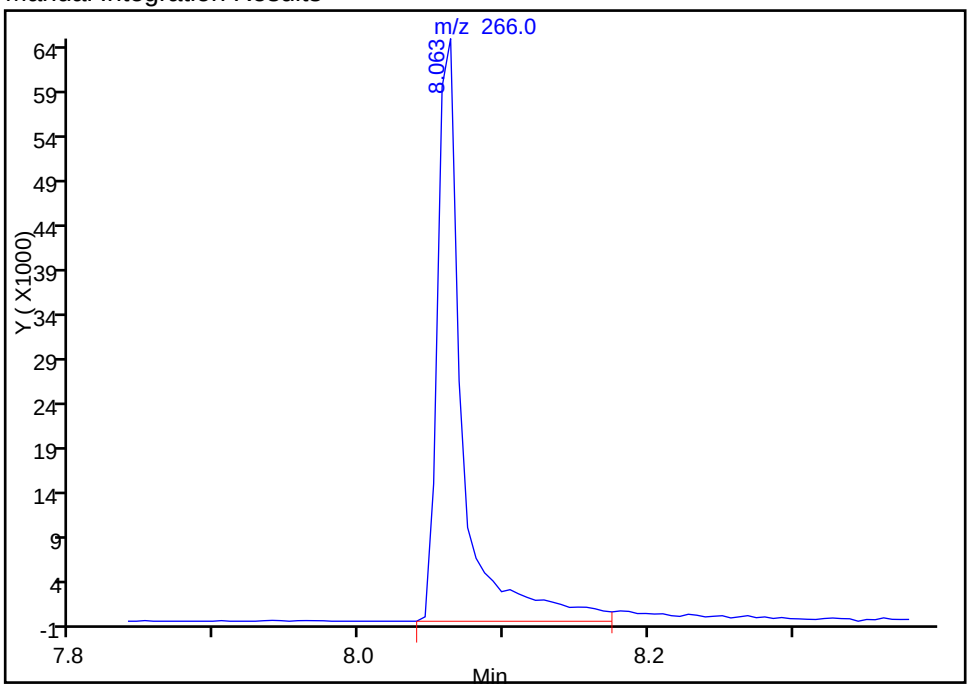
Processing Integration Results

RT: 8.06
Area: 75757
Amount: 18.457543
Amount Units: ug/ml



Manual Integration Results

RT: 8.06
Area: 78112
Amount: 17.352097
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 10:17:13

Audit Action: Manually Integrated Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

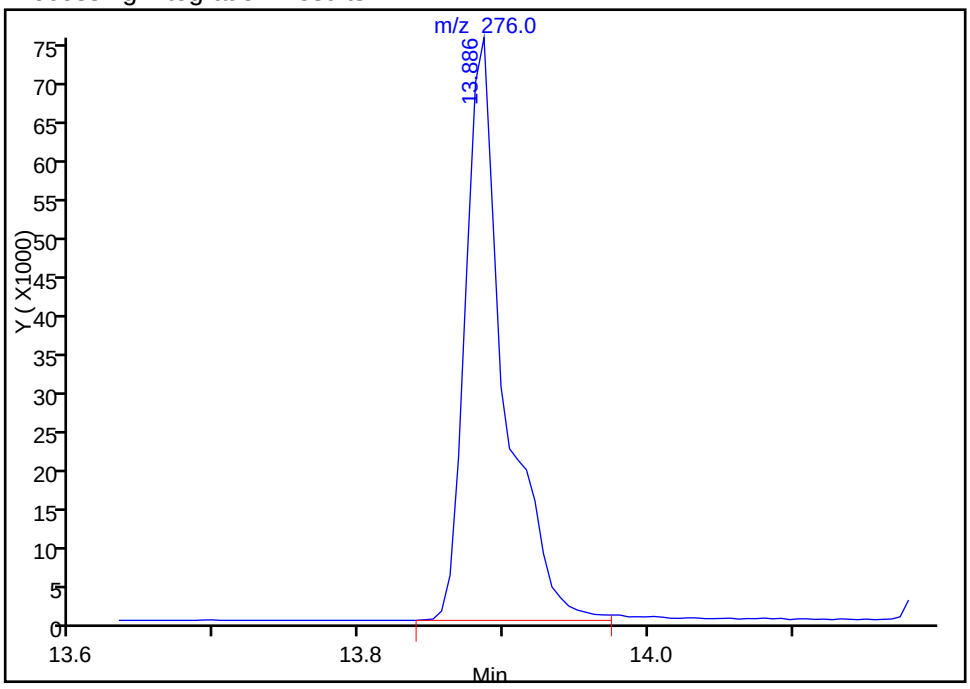
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811430.D				
Injection Date:	24-Aug-2016 08:30:30	Instrument ID:	CBNAMS11		
Lims ID:	std10				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

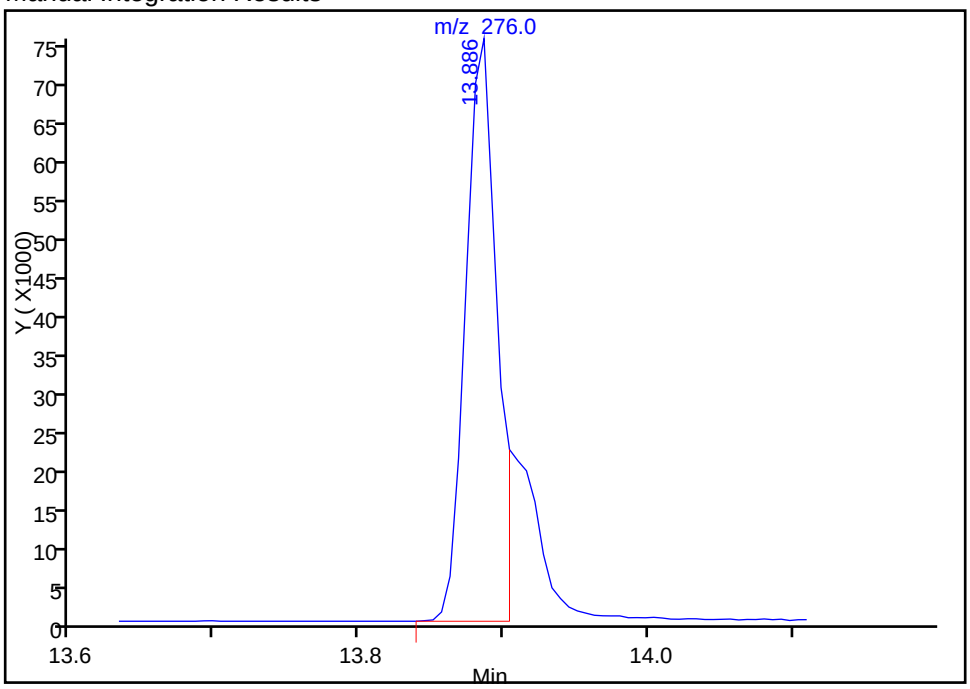
Processing Integration Results

RT: 13.89
Area: 141877
Amount: 10.467882
Amount Units: ug/ml



Manual Integration Results

RT: 13.89
Area: 114416
Amount: 9.654298
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 10:00:51

Audit Action: Manually Integrated Audit Reason: Shouldering

Report Date: 24-Aug-2016 16:11:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811431.D
Lims ID: std5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Aug-2016 08:52:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-007
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:39 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 10:03:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.204	1.193	0.011	99	28414	5.00	4.50	
2 N-Nitrosodimethylamine	74	1.410	1.405	0.005	83	35315	5.00	4.38	
3 Pyridine	79	1.428	1.416	0.012	85	66033	5.00	4.49	
$ 4 2-Fluorophenol	112	2.481	2.475	0.006	96	65706	5.00	4.77	
8 Aniline	93	3.375	3.387	-0.012	99	92328	5.00	4.47	
$ 6 Phenol-d5	99	3.387	3.410	-0.023	90	81448	5.00	4.93	
7 Phenol	94	3.404	3.428	-0.024	96	74810	5.00	4.43	
9 Bis(2-chloroethyl)ether	93	3.457	3.475	-0.018	71	61233	5.00	4.66	
10 Benzonitrile	103	3.457	3.481	-0.024	0	119068	NC	NC	
11 2-Chlorophenol	128	3.504	3.516	-0.012	96	74854	5.00	4.72	
12 n-Decane	43	3.581	3.587	-0.006	91	81131	5.00	4.68	
13 1,3-Dichlorobenzene	146	3.651	3.663	-0.012	97	87059	5.00	4.57	
* 14 1,4-Dichlorobenzene-d4	152	3.716	3.716	0.000	95	501889	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.728	3.740	-0.012	95	88528	5.00	4.64	
16 Benzyl alcohol	108	3.881	3.893	-0.012	96	25760	5.00	5.32	
17 1,2-Dichlorobenzene	146	3.887	3.893	-0.006	96	82003	5.00	4.65	
19 2,2'-oxybis[1-chloropropan	45	4.022	4.028	-0.006	86	87178	5.00	4.86	
18 2-Methylphenol	108	4.022	4.034	-0.012	85	60927	5.00	4.70	
20 N-Methylaniline	106	4.134	4.146	-0.012	0	100404	NC	NC	
22 Acetophenone	105	4.140	4.157	-0.017	96	84388	5.00	4.74	
21 N-Nitrosodi-n-propylamine	70	4.151	4.175	-0.024	87	39676	5.00	4.87	
24 4-Methylphenol	108	4.187	4.204	-0.017	95	61927	5.00	4.76	
23 3 & 4 Methylphenol	108	4.187	4.204	-0.017	97	61927	5.00	4.76	
25 Hexachloroethane	117	4.228	4.228	0.000	91	31633	5.00	4.69	
$ 26 Nitrobenzene-d5	82	4.287	4.304	-0.017	89	66814	5.00	5.00	
27 Nitrobenzene	77	4.310	4.328	-0.018	93	83353	5.00	4.61	
28 n,n'-Dimethylaniline	120	4.316	4.328	-0.012	93	106553	5.00	4.91	
31 Isophorone	82	4.557	4.581	-0.024	98	98294	5.00	4.74	
32 2-Nitrophenol	139	4.640	4.646	-0.006	94	35829	5.00	4.53	
33 2,4-Dimethylphenol	122	4.722	4.734	-0.012	91	54377	5.00	4.47	
34 Bis(2-chloroethoxy)methane	93	4.804	4.810	-0.006	99	63973	5.00	4.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.898	4.910	-0.012	96	56324	5.00	4.64	
35 Benzoic acid	122	4.834	4.946	-0.112	64	15892	5.00	4.84	
37 1,2,4-Trichlorobenzene	180	4.969	4.975	-0.006	95	68809	5.00	4.79	
* 38 Naphthalene-d8	136	5.016	5.022	-0.006	99	1653830	40.0	40.0	
39 Naphthalene	128	5.034	5.046	-0.012	99	191193	5.00	4.60	
40 4-Chloroaniline	127	5.110	5.122	-0.012	97	70284	5.00	4.44	
41 Hexachlorobutadiene	225	5.181	5.187	-0.006	96	40835	5.00	4.77	
43 4-Chloro-3-methylphenol	107	5.645	5.645	0.000	95	46558	5.00	4.69	
44 2-Methylnaphthalene	142	5.739	5.745	-0.006	85	127499	5.00	4.69	
45 1-Methylnaphthalene	142	5.834	5.840	-0.006	93	117740	5.00	4.68	
46 Hexachlorocyclopentadiene	237	5.910	5.910	0.000	97	23023	5.00	5.20	
47 1,2,4,5-Tetrachlorobenzene	216	5.916	5.922	-0.006	99	63527	5.00	4.53	
48 2-tertbutyl-4-methylphenol	149	5.986	5.993	-0.007	93	85840	5.00	4.69	
49 2,4,6-Trichlorophenol	196	6.039	6.045	-0.006	92	35136	5.00	4.46	
50 2,4,5-Trichlorophenol	196	6.086	6.087	-0.001	98	40472	5.00	4.61	
$ 51 2-Fluorobiphenyl	172	6.116	6.122	-0.006	98	156018	5.00	4.99	
52 1,1'-Biphenyl	154	6.210	6.216	-0.006	96	149859	5.00	4.51	
53 2-Chloronaphthalene	162	6.222	6.228	-0.006	99	114246	5.00	4.60	
54 Phenyl ether	170	6.316	6.322	-0.006	84	83022	5.00	4.63	
55 2-Nitroaniline	65	6.339	6.351	-0.012	94	26786	5.00	4.59	
57 1,3-Dimethylnaphthalene	156	6.445	6.451	-0.006	93	96208	5.00	4.56	
59 Coumarin	146	6.533	6.545	-0.012	63	34336	5.00	4.82	
58 Dimethyl phthalate	163	6.533	6.551	-0.018	99	109598	5.00	4.58	
60 2,6-Dinitrotoluene	165	6.586	6.604	-0.018	93	26788	5.00	4.89	
63 Acenaphthylene	152	6.622	6.634	-0.012	97	168823	5.00	4.60	
64 3-Nitroaniline	138	6.751	6.763	-0.012	93	25137	5.00	4.44	
* 65 Acenaphthene-d10	164	6.769	6.775	-0.006	92	823710	40.0	40.0	
67 Acenaphthene	154	6.798	6.804	-0.006	94	103284	5.00	4.53	
66 3,5-di-tert-butyl-4-hydrox	205	6.822	6.834	-0.012	96	120060	5.00	4.60	
68 2,4-Dinitrophenol	184	6.869	6.875	-0.006	94	18257	10.0	8.62	
69 4-Nitrophenol	65	6.975	6.981	-0.006	93	26142	10.0	7.56	
71 Dibenzofuran	168	6.969	6.981	-0.012	96	153127	5.00	4.59	
70 2,4-Dinitrotoluene	165	6.986	6.998	-0.012	97	30134	5.00	4.65	
72 2,3,4,6-Tetrachlorophenol	232	7.116	7.116	0.000	97	25537	5.00	4.01	
73 Diethyl phthalate	149	7.233	7.245	-0.012	99	103047	5.00	4.63	
74 Fluorene	166	7.304	7.316	-0.012	95	121871	5.00	4.62	
75 4-Chlorophenyl phenyl ethe	204	7.322	7.328	-0.006	93	62862	5.00	4.72	
76 4-Nitroaniline	138	7.345	7.369	-0.024	87	19342	5.00	4.29	
77 4,6-Dinitro-2-methylphenol	198	7.392	7.410	-0.018	94	30421	10.0	8.70	
78 N-Nitrosodiphenylamine	169	7.439	7.451	-0.012	68	82818	5.00	4.53	
79 1,2-Diphenylhydrazine	77	7.475	7.487	-0.012	96	94637	5.00	4.37	
$ 80 2,4,6-Tribromophenol	330	7.545	7.557	-0.012	94	16515	5.00	4.36	
81 4-Bromophenyl phenyl ether	248	7.798	7.798	0.000	95	34979	5.00	4.57	
82 Hexachlorobenzene	284	7.851	7.863	-0.012	95	36292	5.00	4.64	
84 Pentachlorophenol	266	8.063	8.063	0.000	94	24722	10.0	6.08	M
85 Pentachloronitrobenzene	237	8.069	8.075	-0.006	90	13119	5.00	4.50	
86 n-Octadecane	57	8.180	8.181	-0.001	93	69369	5.00	4.21	
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	1180877	40.0	40.0	
88 Phenanthrene	178	8.239	8.245	-0.006	97	145943	5.00	4.56	
89 Anthracene	178	8.292	8.298	-0.006	99	153668	5.00	4.59	
90 Carbazole	167	8.463	8.469	-0.006	96	121972	5.00	4.60	
91 Di-n-butyl phthalate	149	8.839	8.839	0.000	100	148531	5.00	4.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.404	9.410	-0.006	98	142439	5.00	4.75	
93 Benzidine	184	9.557	9.557	0.000	99	59508	5.00	4.48	
94 Pyrene	202	9.622	9.622	0.000	98	143405	5.00	4.80	
$ 96 Terphenyl-d14	244	9.798	9.798	0.000	99	109494	5.00	5.02	
97 Butyl benzyl phthalate	149	10.298	10.298	0.000	95	49742	5.00	4.79	
99 Carbamazepine	193	10.380	10.386	-0.006	92	33512	5.00	4.37	
100 3,3'-Dichlorobenzidine	252	10.821	10.822	-0.001	98	34441	5.00	4.47	
101 Benzo[a]anthracene	228	10.827	10.828	-0.001	98	104415	5.00	4.63	
* 102 Chrysene-d12	240	10.839	10.839	0.000	99	741546	40.0	40.0	
103 Chrysene	228	10.863	10.869	-0.006	98	98221	5.00	4.78	
104 Bis(2-ethylhexyl) phthalat	149	10.921	10.916	0.005	87	66769	5.00	4.65	
105 Di-n-octyl phthalate	149	11.674	11.675	0.000	97	98977	5.00	4.91	
106 Benzo[b]fluoranthene	252	12.068	12.074	-0.006	98	72541	5.00	4.68	
107 Benzo[k]fluoranthene	252	12.098	12.104	-0.006	98	86708	5.00	5.03	
108 Benzo[a]pyrene	252	12.463	12.469	-0.006	97	68970	5.00	4.74	
* 109 Perylene-d12	264	12.539	12.539	0.000	99	527513	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.880	13.892	-0.012	99	56710	5.00	4.63	M
111 Dibenz(a,h)anthracene	278	13.915	13.921	-0.006	95	56583	5.00	4.66	
112 Benzo[g,h,i]perylene	276	14.209	14.216	-0.007	98	55154	5.00	4.94	
S 119 Total Cresols	1				0			9.47	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L3_00013 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2016 16:11:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811431.D

Injection Date: 24-Aug-2016 08:52:30 Instrument ID: CBNAMS11 Operator ID:

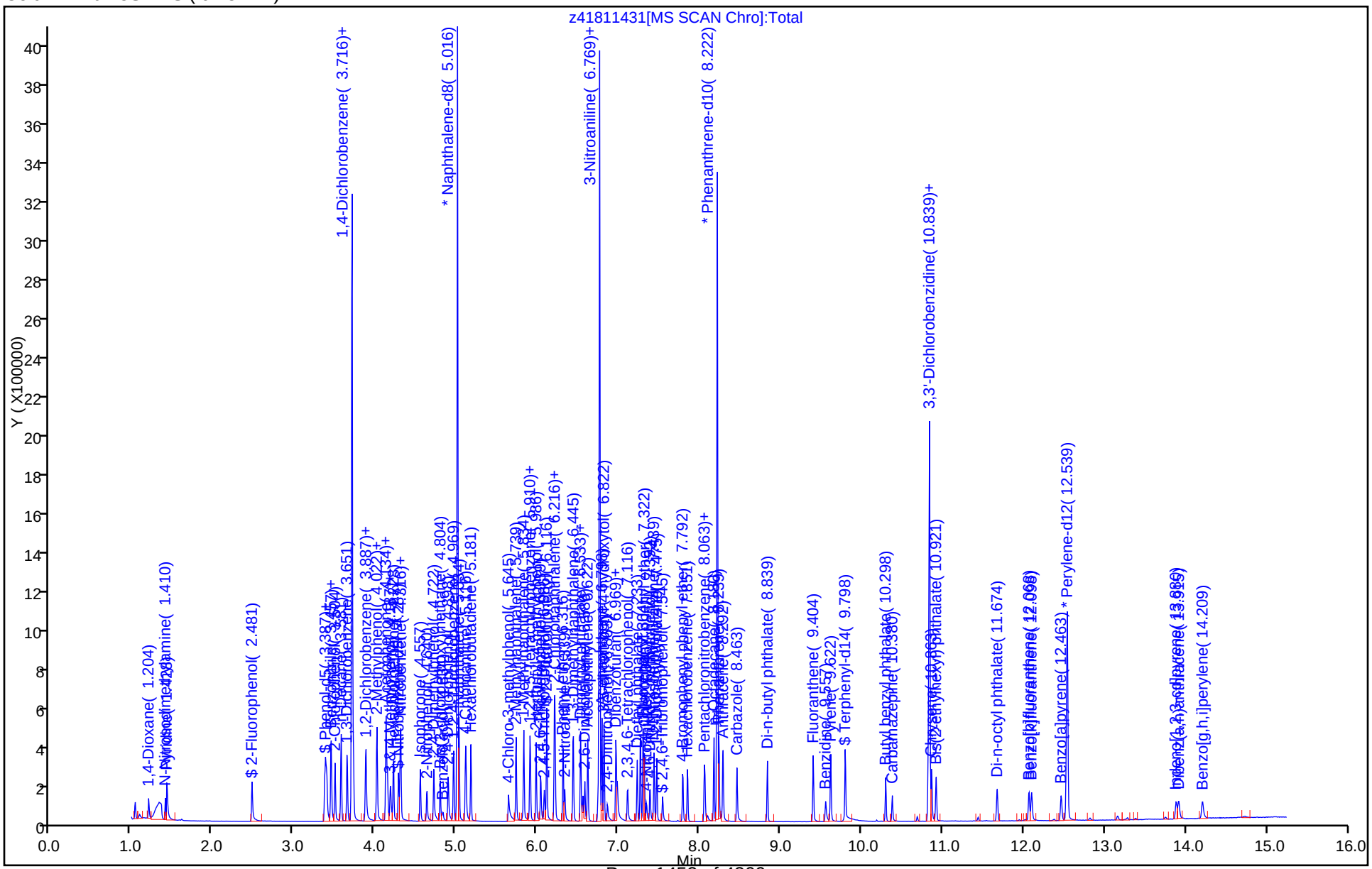
Lims ID: std5 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270_11R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

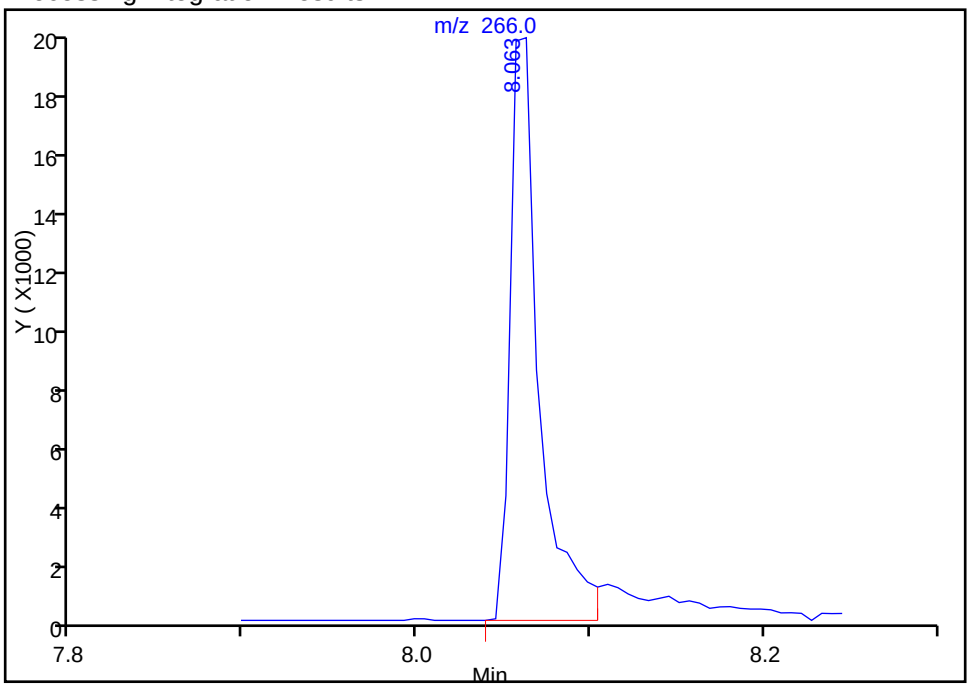
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811431.D				
Injection Date:	24-Aug-2016 08:52:30	Instrument ID:	CBNAMS11		
Lims ID:	std5				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

84 Pentachlorophenol, CAS: 87-86-5

Signal: 1

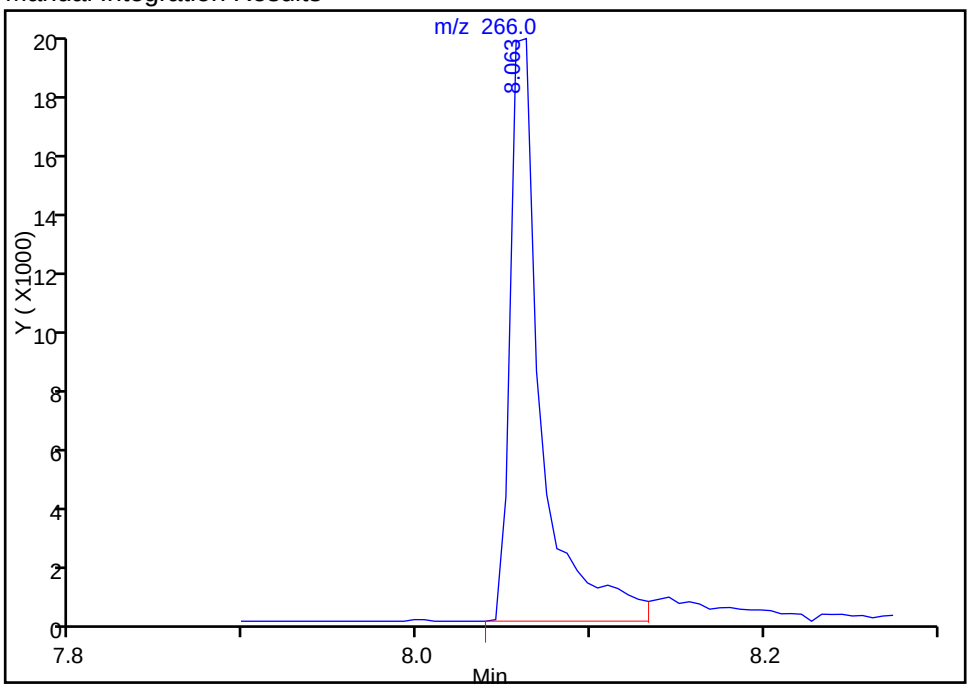
Processing Integration Results

RT: 8.06
Area: 23104
Amount: 6.191839
Amount Units: ug/ml



Manual Integration Results

RT: 8.06
Area: 24722
Amount: 6.083110
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 10:15:02

Audit Action: Manually Integrated Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

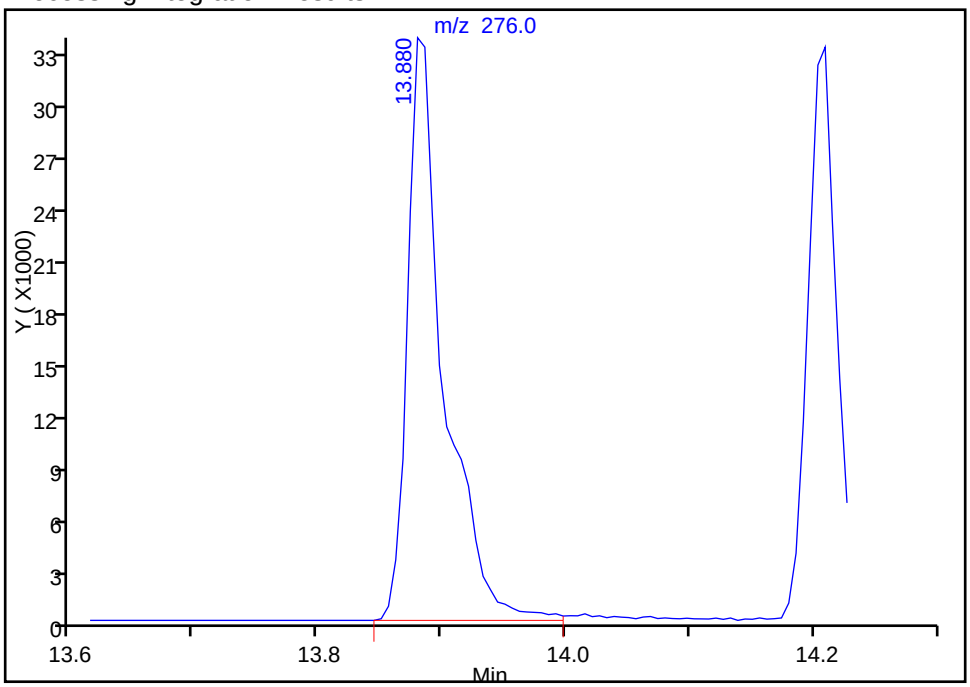
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811431.D				
Injection Date:	24-Aug-2016 08:52:30	Instrument ID:	CBNAMS11		
Lims ID:	std5				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

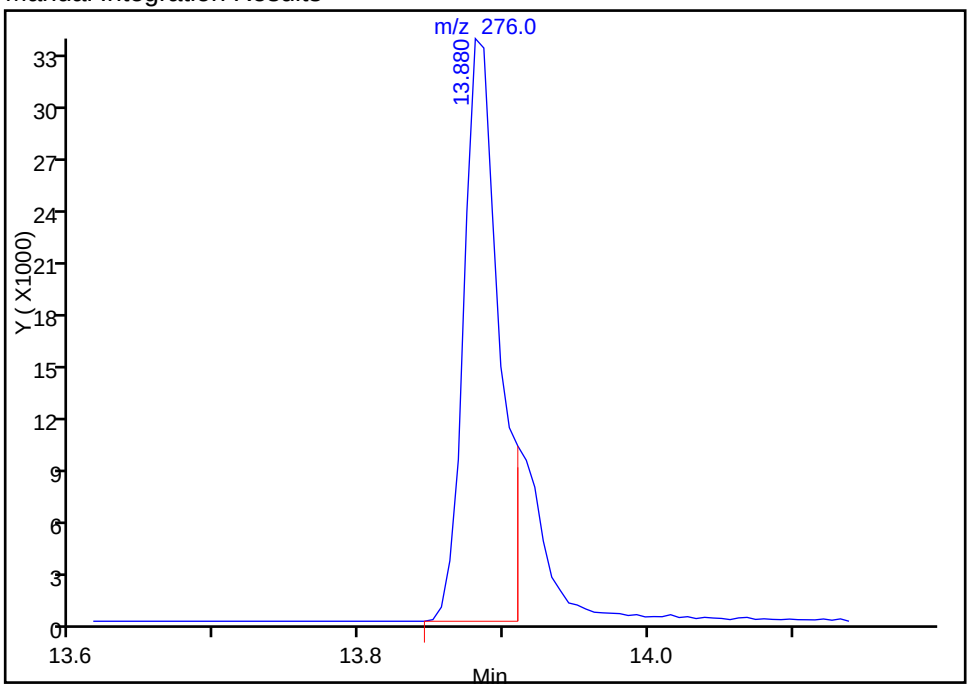
Processing Integration Results

RT: 13.88
Area: 67648
Amount: 4.892993
Amount Units: ug/ml



Manual Integration Results

RT: 13.88
Area: 56710
Amount: 4.629967
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 10:03:04

Audit Action: Manually Integrated Audit Reason: Shouldering

Report Date: 24-Aug-2016 16:11:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811432.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Aug-2016 09:13:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-008
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:44 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 10:05:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.481	2.475	0.006	96	25575	2.00	1.71	
$ 6 Phenol-d5	99	3.387	3.410	-0.023	90	35610	2.00	1.98	
9 Bis(2-chloroethyl)ether	93	3.457	3.475	-0.018	93	27122	2.00	1.90	
* 14 1,4-Dichlorobenzene-d4	152	3.716	3.716	0.000	96	546273	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.151	4.175	-0.024	91	17886	2.00	2.02	
25 Hexachloroethane	117	4.222	4.228	-0.006	92	14374	2.00	1.96	
$ 26 Nitrobenzene-d5	82	4.287	4.304	-0.017	90	28413	2.00	1.91	
27 Nitrobenzene	77	4.310	4.328	-0.018	94	39125	2.00	1.94	
28 n,n'-Dimethylaniline	120	4.316	4.328	-0.012	92	45523	2.00	1.93	
31 Isophorone	82	4.557	4.581	-0.024	98	45664	2.00	1.98	
36 2,4-Dichlorophenol	162	4.898	4.910	-0.012	96	24834	2.00	1.84	
37 1,2,4-Trichlorobenzene	180	4.969	4.975	-0.006	94	31132	2.00	1.95	
* 38 Naphthalene-d8	136	5.016	5.022	-0.006	99	1841971	40.0	40.0	
41 Hexachlorobutadiene	225	5.181	5.187	-0.006	96	17482	2.00	1.83	
49 2,4,6-Trichlorophenol	196	6.045	6.045	0.000	91	15167	2.00	1.69	
$ 51 2-Fluorobiphenyl	172	6.116	6.122	-0.006	97	69467	2.00	1.95	
60 2,6-Dinitrotoluene	165	6.586	6.604	-0.018	95	12245	2.00	1.96	
* 65 Acenaphthene-d10	164	6.769	6.775	-0.006	92	938456	40.0	40.0	
68 2,4-Dinitrophenol	184	6.869	6.875	-0.006	92	6159	4.00	4.93	
70 2,4-Dinitrotoluene	165	6.992	6.998	-0.006	97	13647	2.00	1.85	
77 4,6-Dinitro-2-methylphenol	198	7.392	7.410	-0.018	92	12573	4.00	4.21	
$ 80 2,4,6-Tribromophenol	330	7.545	7.557	-0.012	93	8671	2.00	2.01	
82 Hexachlorobenzene	284	7.851	7.863	-0.012	96	16747	2.00	1.84	
84 Pentachlorophenol	266	8.063	8.063	0.000	92	9483	4.00	2.01	M
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	1374658	40.0	40.0	
$ 96 Terphenyl-d14	244	9.798	9.798	0.000	99	51708	2.00	1.98	
100 3,3'-Dichlorobenzidine	252	10.821	10.822	-0.001	98	17914	2.00	1.95	
101 Benzo[a]anthracene	228	10.827	10.828	-0.001	98	53545	2.00	1.99	
* 102 Chrysene-d12	240	10.839	10.839	0.000	99	885876	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.068	12.074	-0.006	98	32131	2.00	1.85	
107 Benzo[k]fluoranthene	252	12.098	12.104	-0.006	98	40783	2.00	2.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	12.462	12.469	-0.007	98	31542	2.00	1.93	
* 109 Perylene-d12	264	12.539	12.539	0.000	99	591340	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.886	13.892	-0.006	98	22355	2.00	1.63	M
111 Dibenz(a,h)anthracene	278	13.915	13.921	-0.006	95	23822	2.00	1.75	
112 Benzo[g,h,i]perylene	276	14.209	14.216	-0.007	98	24303	2.00	2.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L0_00009 Amount Added: 1.00 Units: mL

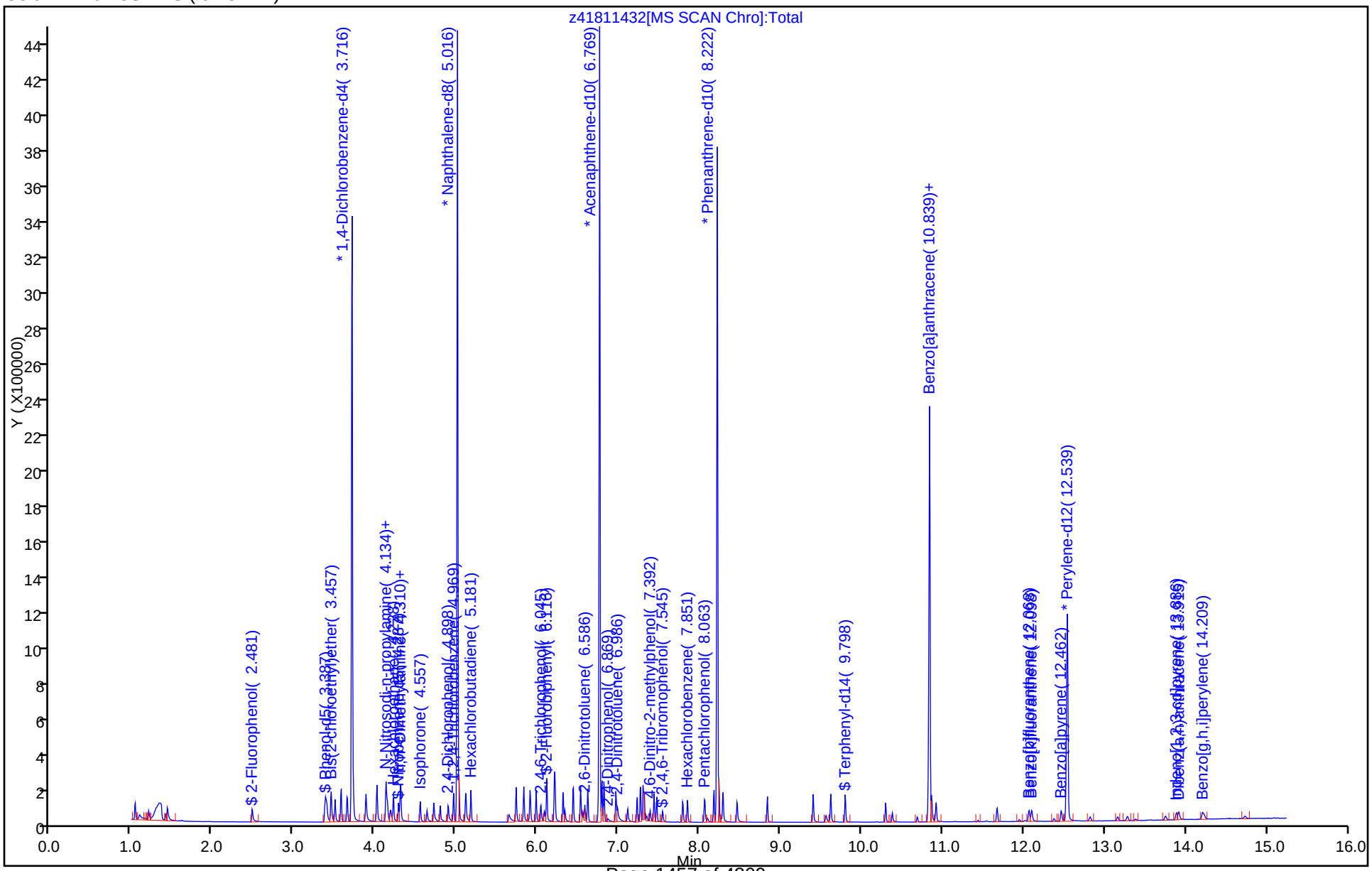
Report Date: 24-Aug-2016 16:11:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811432.D

Injection Date:	24-Aug-2016 09:13:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

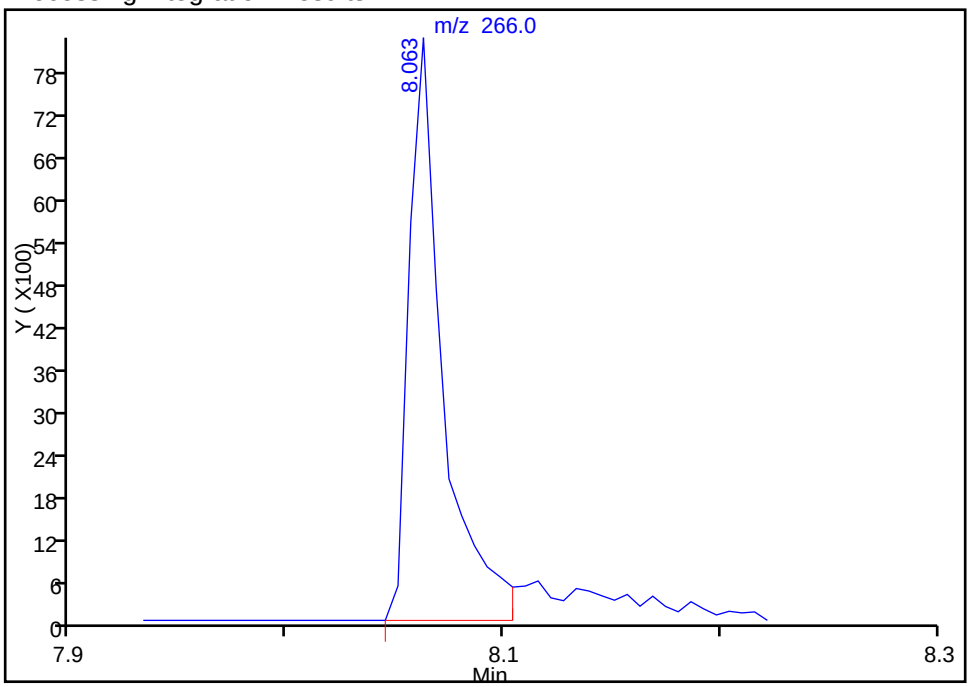
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811432.D				
Injection Date:	24-Aug-2016 09:13:30	Instrument ID:	CBNAMS11		
Lims ID:	std2				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

84 Pentachlorophenol, CAS: 87-86-5

Signal: 1

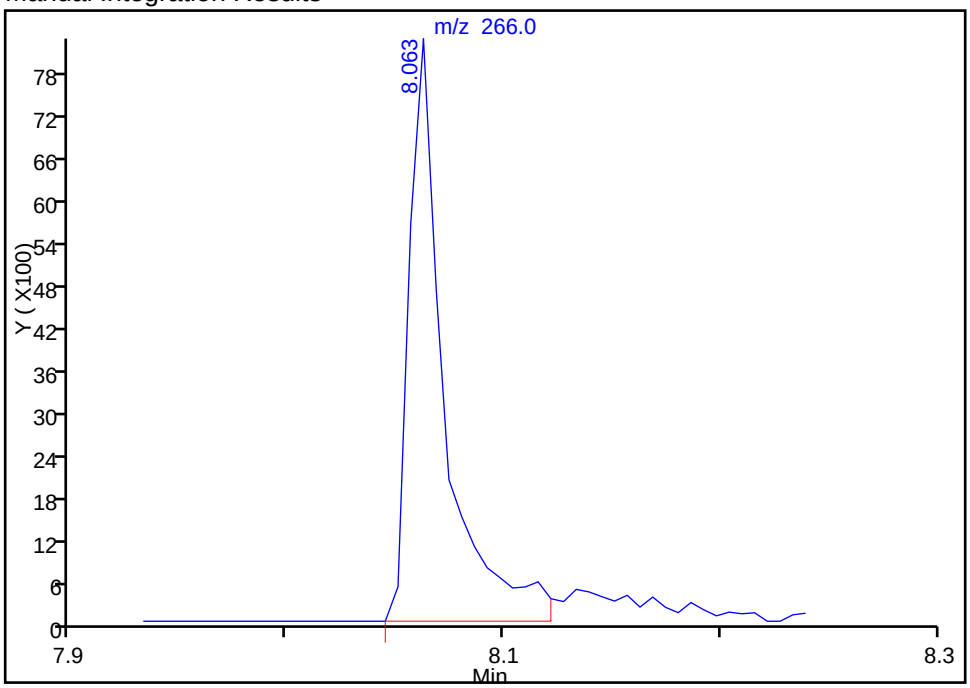
Processing Integration Results

RT: 8.06
Area: 9006
Amount: 2.081522
Amount Units: ug/ml



Manual Integration Results

RT: 8.06
Area: 9483
Amount: 2.014084
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 10:14:34

Audit Action: Manually Integrated Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

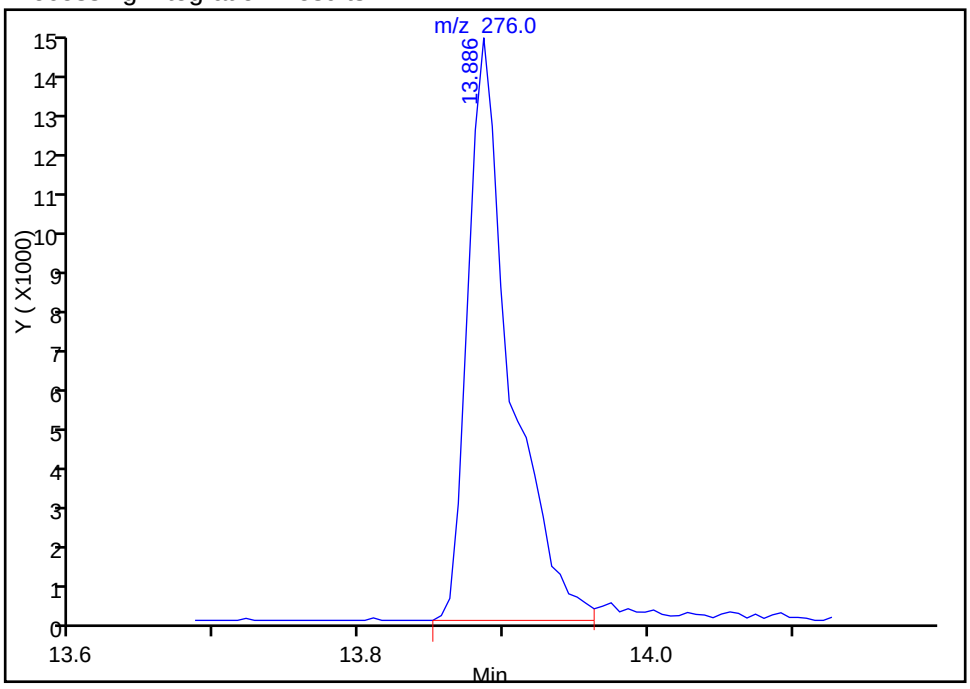
Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811432.D				
Injection Date:	24-Aug-2016 09:13:30	Instrument ID:	CBNAMS11		
Lims ID:	std2				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

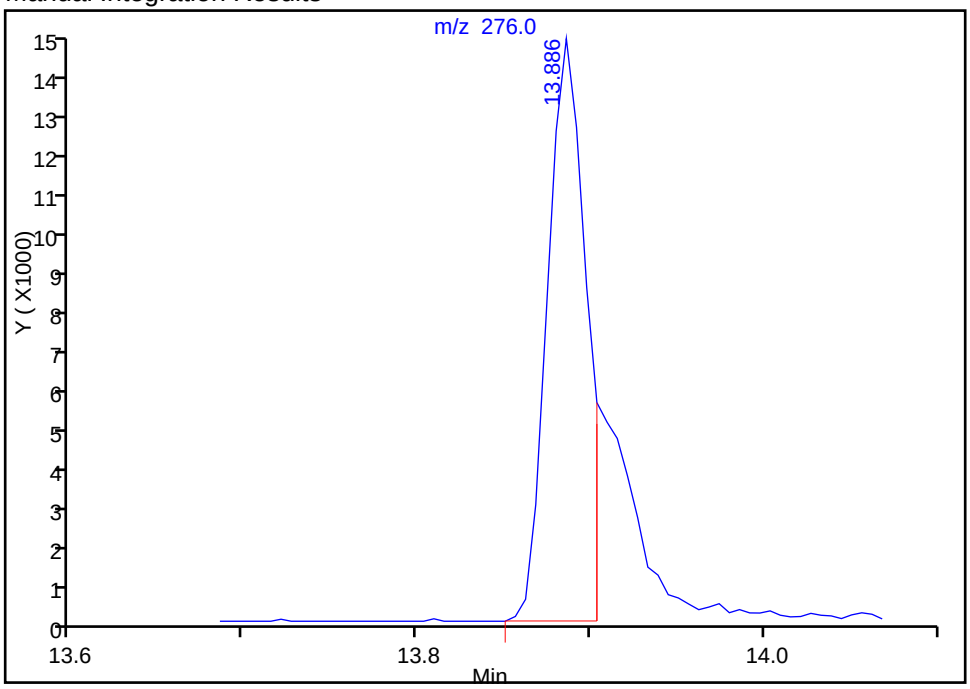
Processing Integration Results

RT: 13.89
Area: 29447
Amount: 1.907544
Amount Units: ug/ml



Manual Integration Results

RT: 13.89
Area: 22355
Amount: 1.628129
Amount Units: ug/ml



Reviewer: croccom, 24-Aug-2016 10:05:34

Audit Action: Manually Integrated Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811433.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Aug-2016 09:35:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-009
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:48 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 10:05:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.487	2.475	0.012	95	11858	1.00	0.8030	
$ 6 Phenol-d5	99	3.392	3.410	-0.018	91	17213	1.00	0.9708	
9 Bis(2-chloroethyl)ether	93	3.457	3.475	-0.018	97	11984	1.00	0.8506	
* 14 1,4-Dichlorobenzene-d4	152	3.716	3.716	0.000	95	538125	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.151	4.175	-0.024	88	8130	1.00	0.9311	
25 Hexachloroethane	117	4.222	4.228	-0.006	91	6530	1.00	0.9024	
$ 26 Nitrobenzene-d5	82	4.292	4.304	-0.012	88	14551	1.00	0.9822	
27 Nitrobenzene	77	4.310	4.328	-0.018	92	17487	1.00	0.8724	
28 n,n'-Dimethylaniline	120	4.316	4.328	-0.012	94	22370	1.00	0.9616	
37 1,2,4-Trichlorobenzene	180	4.969	4.975	-0.006	94	14105	1.00	0.8869	
* 38 Naphthalene-d8	136	5.016	5.022	-0.006	99	1832672	40.0	40.0	
41 Hexachlorobutadiene	225	5.181	5.187	-0.006	97	8241	1.00	0.8685	
$ 51 2-Fluorobiphenyl	172	6.116	6.122	-0.006	97	32578	1.00	0.9248	
60 2,6-Dinitrotoluene	165	6.586	6.604	-0.018	94	5236	1.00	0.8473	
* 65 Acenaphthene-d10	164	6.769	6.775	-0.006	92	928869	40.0	40.0	
70 2,4-Dinitrotoluene	165	6.992	6.998	-0.006	96	6393	1.00	0.8757	
$ 80 2,4,6-Tribromophenol	330	7.545	7.557	-0.012	92	3967	1.00	0.9279	
82 Hexachlorobenzene	284	7.851	7.863	-0.012	96	8081	1.00	0.8804	
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	1385671	40.0	40.0	
$ 96 Terphenyl-d14	244	9.798	9.798	0.000	99	25031	1.00	0.9522	
101 Benzo[a]anthracene	228	10.827	10.828	-0.001	98	26361	1.00	0.9691	
* 102 Chrysene-d12	240	10.839	10.839	0.000	99	893872	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.068	12.074	-0.006	99	15696	1.00	0.8936	
107 Benzo[k]fluoranthene	252	12.098	12.104	-0.006	98	17886	1.00	0.9167	
108 Benzo[a]pyrene	252	12.468	12.469	-0.001	98	14979	1.00	0.9087	
* 109 Perylene-d12	264	12.539	12.539	0.000	99	597553	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.886	13.892	-0.006	99	10537	1.00	0.7594	
111 Dibenz(a,h)anthracene	278	13.915	13.921	-0.006	95	11126	1.00	0.8082	

Reagents:

SV_IC_BNA_L2_00011 Amount Added: 1.00 Units: mL

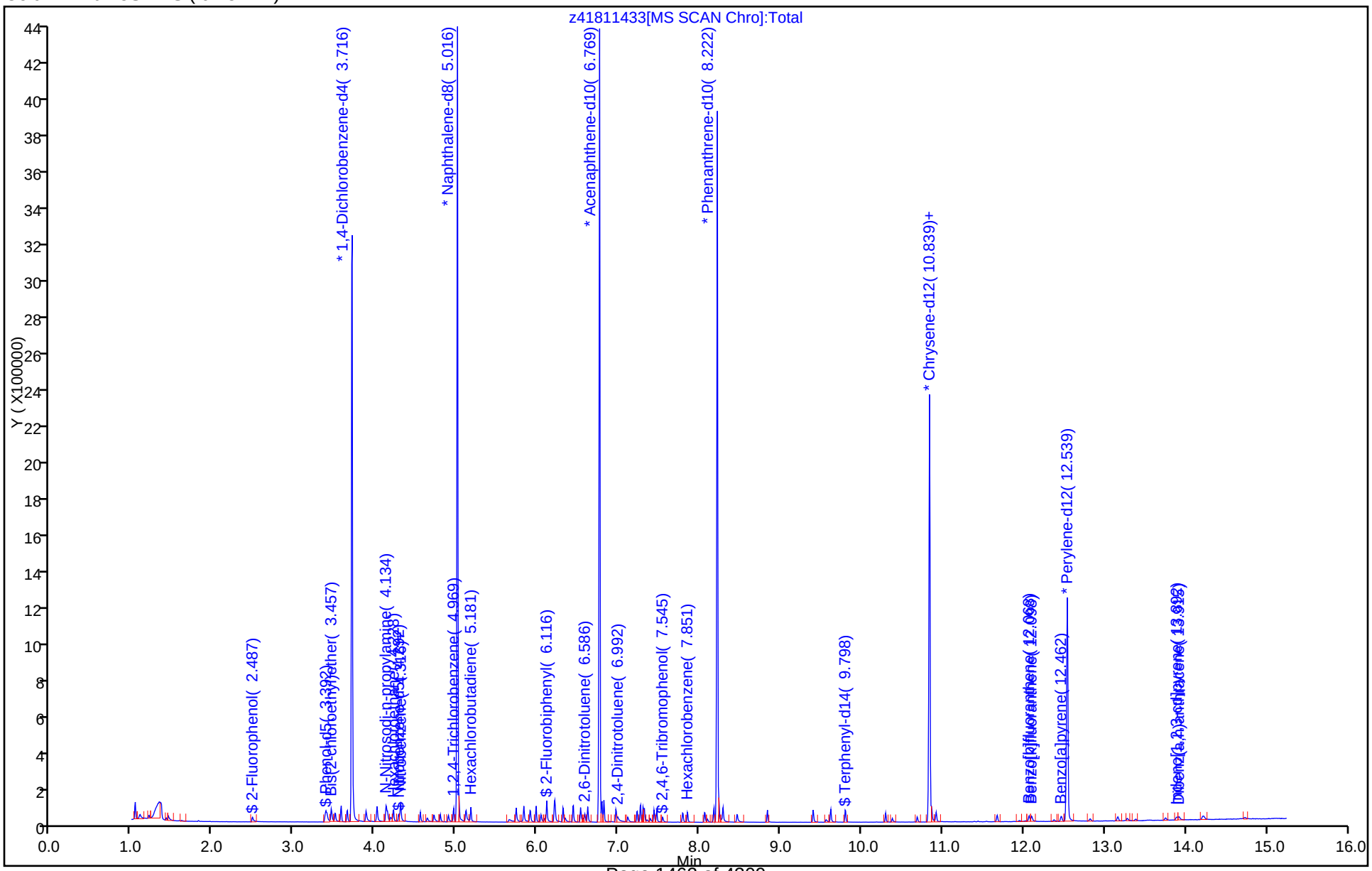
Report Date: 24-Aug-2016 16:11:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811433.D

Injection Date:	24-Aug-2016 09:35:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 24-Aug-2016 16:11:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D
Lims ID: std05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Aug-2016 10:00:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-010
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:51 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 10:24:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	3.457	3.475	-0.018	93	6259	0.5000	0.4837	
* 14 1,4-Dichlorobenzene-d4	152	3.710	3.716	-0.006	96	494168	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.151	4.175	-0.024	91	3997	0.5000	0.4985	
25 Hexachloroethane	117	4.222	4.228	-0.006	90	3409	0.5000	0.5130	
$ 26 Nitrobenzene-d5	82	4.292	4.304	-0.012	89	6483	0.5000	0.4666	
27 Nitrobenzene	77	4.316	4.328	-0.012	76	8414	0.5000	0.4475	
28 n,n'-Dimethylaniline	120	4.316	4.328	-0.012	92	9942	0.5000	0.4654	
37 1,2,4-Trichlorobenzene	180	4.969	4.975	-0.006	94	7161	0.5000	0.4800	
* 38 Naphthalene-d8	136	5.016	5.022	-0.006	99	1719013	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.116	6.122	-0.006	97	15502	0.5000	0.4697	
* 65 Acenaphthene-d10	164	6.769	6.775	-0.006	92	870318	40.0	40.0	
82 Hexachlorobenzene	284	7.857	7.863	-0.006	94	3899	0.5000	0.4740	
* 87 Phenanthrene-d10	188	8.222	8.222	0.000	98	1241948	40.0	40.0	
$ 96 Terphenyl-d14	244	9.804	9.798	0.006	98	11291	0.5000	0.5070	
101 Benzo[a]anthracene	228	10.827	10.828	-0.001	97	13595	0.5000	0.5899	
* 102 Chrysene-d12	240	10.839	10.839	0.000	99	757336	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.068	12.074	-0.006	97	6825	0.5000	0.4459	
107 Benzo[k]fluoranthene	252	12.104	12.104	0.000	98	9075	0.5000	0.5338	
108 Benzo[a]pyrene	252	12.468	12.469	-0.001	96	7294	0.5000	0.5078	
* 109 Perylene-d12	264	12.539	12.539	0.000	99	520690	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.892	13.892	0.000	96	5487	0.5000	0.4538	
111 Dibenz(a,h)anthracene	278	13.921	13.921	0.000	94	5049	0.5000	0.4209	

Reagents:

SV_IC_BNA_L1_00012 Amount Added: 1.00 Units: mL

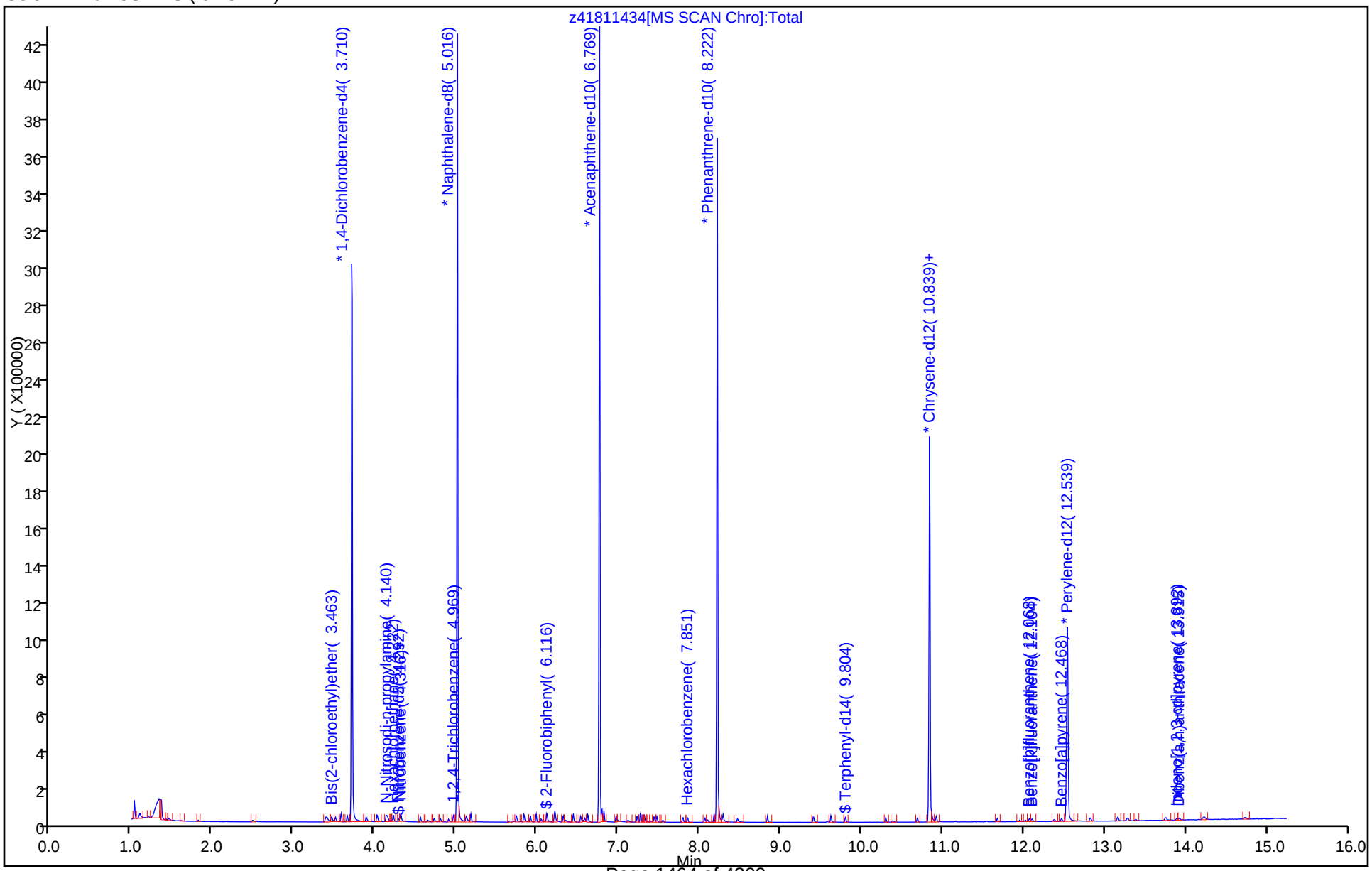
Report Date: 24-Aug-2016 16:11:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Injection Date:	24-Aug-2016 10:00:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	std05			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-384521/10	L1357567.D
Level 2	STD1 460-384521/9	L1357566.D
Level 3	STD2 460-384521/8	L1357565.D
Level 4	STD5 460-384521/7	L1357564.D
Level 5	STD10 460-384521/6	L1357563.D
Level 6	STD20 460-384521/5	L1357562.D
Level 7	ICIS 460-384521/2	L1357559.D
Level 8	STD80 460-384521/4	L1357561.D
Level 9	STD120 460-384521/3	L1357560.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.4272	0.4379	0.4425	0.4026 0.4295	0.4609	Ave		0.4334				4.5		20.0			
N-Nitrosodimethylamine	0.6409	0.6465	0.6360	0.6128 0.6565	0.6695	Ave		0.6437				3.0		20.0			
Pyridine	1.1599	1.1335	1.1333	1.1136 1.1515	1.1746	Ave		1.1444				1.9		20.0			
Phenol	1.2870	1.2724	1.2686	1.2089 1.3660	1.2846	Ave		1.2812			0.8000	3.9		20.0			
Aniline	1.6651	1.6251	1.6042	1.5957 1.6830	1.6871	Ave		1.6434				2.4		20.0			
Bis(2-chloroethyl)ether	1.1506 1.0383	0.9742 1.0014	1.0035 0.9797	0.9692 1.0168	1.0340	Ave		1.0186			0.7000	5.4		20.0			
2-Chlorophenol	1.2474	1.2155	1.2057	1.1425 1.2084	1.2699	Ave		1.2149			0.8000	3.6		20.0			
n-Decane	1.0806	1.0974	1.0839	1.0604 1.0788	1.1207	Ave		1.0870				1.9		20.0			
1,3-Dichlorobenzene	1.5130	1.4956	1.4906	1.4685 1.4821	1.5500	Ave		1.5000				1.9		20.0			
1,4-Dichlorobenzene	1.5224	1.5305	1.4893	1.4322 1.4849	1.5561	Ave		1.5026				2.9		20.0			
Benzyl alcohol	0.7132	0.7007	0.6772	0.6459 0.7221	0.6928	Ave		0.6920				4.0		20.0			
1,2-Dichlorobenzene	1.4487	1.4238	1.3839	1.3449 1.3980	1.4576	Ave		1.4095				3.0		20.0			
2-Methylphenol	0.9966	0.9637	0.9369	0.8990 0.9863	0.9493	Ave		0.9553			0.7000	3.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.1886	1.1608	1.0943	1.1412 1.1542	1.1853	Ave		1.1541			0.0100	3.0		20.0			
3 & 4 Methylphenol	1.1183	1.0932	1.0658	0.9780 1.1150	1.0721	Ave		1.0737				4.8		20.0			
4-Methylphenol	1.1183	1.0932	1.0658	0.9780 1.1150	1.0721	Ave		1.0737			0.6000	4.8		20.0			
N-Nitrosodi-n-propylamine	0.8634 0.7463	0.6993 0.7341	0.7058 0.6945	0.7132 0.6138	0.7145	Ave		0.7206			0.5000	9.1		20.0			
Acetophenone	1.5586	1.4622	1.4200	1.4375 1.4977	1.4742	Ave		1.4750			0.0100	3.3		20.0			
Hexachloroethane	0.5696 0.5422	0.4946 0.5405	0.5364 0.5267	0.5213 0.5415	0.5692	Ave		0.5380			0.3000	4.3		20.0			
Nitrobenzene	0.4735 0.4433	0.4277 0.4460	0.4170 0.4435	0.4267 0.4483	0.4490	Ave		0.4417			0.2000	3.7		20.0			
n,n'-Dimethylaniline	1.7833 1.8299	1.7055 1.7268	1.7272 1.7038	1.7434 1.7690	1.8371	Ave		1.7585				2.8		20.0			
Isophorone	0.5614	0.5452	0.5336 0.5164	0.5280 0.5440	0.5391	Ave		0.5383			0.4000	2.7		20.0			
2-Nitrophenol	0.1945	0.2003	0.1973	0.1778 0.1952	0.1940	Ave		0.1932			0.1000	4.1		20.0			
2,4-Dimethylphenol	0.2918	0.2961	0.2875	0.2597 0.2892	0.2873	Ave		0.2853			0.2000	4.5		20.0			
Bis(2-chloroethoxy)methane	0.3430	0.3434	0.3251	0.3232 0.3329	0.3389	Ave		0.3344			0.3000	2.6		20.0			
Benzoic acid	0.1648	0.1810	0.1965	0.0708 0.2113	0.1460	Lin2	-0.664	0.2050			0.0100				0.9970		0.9900
2,4-Dichlorophenol	0.3075	0.3175	0.2463 0.3050	0.2699 0.3075	0.2982	Ave		0.2931			0.2000	8.7		20.0			
1,2,4-Trichlorobenzene	0.3792 0.3804	0.3297 0.3847	0.3579 0.3753	0.3596 0.3572	0.3887	Ave		0.3681				5.1		20.0			
Naphthalene	1.0032	0.9996	0.9675	0.9250 0.9504	1.0011	Ave		0.9745			0.7000	3.3		20.0			
4-Chloroaniline	0.4152	0.4108	0.3951	0.3530 0.4066	0.3952	Ave		0.3960			0.0100	5.7		20.0			
Hexachlorobutadiene	0.2039	0.1690 0.2098	0.1910 0.2003	0.1965 0.1875	0.2073	Ave		0.1957			0.0100	6.8		20.0			
4-Chloro-3-methylphenol	0.2536	0.2472	0.2349	0.1953 0.2533	0.2279	Ave		0.2354			0.2000	9.4		20.0			
2-Methylnaphthalene	0.7013	0.6986	0.6742	0.6357 0.6809	0.6831	Ave		0.6790			0.4000	3.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.6617	0.6523	0.6249	0.6037 0.6370	0.6260	Ave		0.6343				3.3		20.0			
Hexachlorocyclopentadiene	0.4115	0.3981	0.4209	0.3733 0.3716	0.4442	Ave		0.4033			0.0500	7.0		20.0			
1,2,4,5-Tetrachlorobenzene	0.5888	0.5807	0.5652	0.5600 0.5034	0.6284	Ave		0.5711			0.0100	7.2		20.0			
2-tertbutyl-4-methylphenol	0.5022	0.4837	0.4745	0.4567 0.4892	0.4796	Ave		0.4810				3.2		20.0			
2,4,6-Trichlorophenol	0.3880	0.3993	0.3202 0.3873	0.3439 0.3732	0.3835	Ave		0.3708			0.2000	7.6		20.0			
2,4,5-Trichlorophenol	0.4028	0.4074	0.4011	0.3384 0.3705	0.4059	Ave		0.3877			0.2000	7.2		20.0			
1,1'-Biphenyl	1.5310	1.5315	1.5100	1.4442 1.4232	1.5499	Ave		1.4983			0.0100	3.5		20.0			
2-Chloronaphthalene	1.1881	1.1863	1.1618	1.1296 1.0951	1.2516	Ave		1.1688			0.8000	4.6		20.0			
Phenyl ether	0.8256	0.8086	0.8229	0.7936 0.7930	0.8630	Ave		0.8178				3.2		20.0			
2-Nitroaniline	0.3341	0.3233	0.3222	0.3106 0.3313	0.3355	Ave		0.3262			0.0100	2.9		20.0			
1,3-Dimethylnaphthalene	0.9920	0.9733	0.9886	0.9521 0.9640	1.0201	Ave		0.9817				2.4		20.0			
Dimethyl phthalate	1.2926	1.2382	1.1866	1.1665 1.1993	1.2644	Ave		1.2246			0.0100	4.0		20.0			
Coumarin	0.2380	0.2228	0.2065	0.2014 0.2335	0.2166	Ave		0.2198				6.6		20.0			
2,6-Dinitrotoluene	0.3067	0.2607 0.2968	0.2720 0.2841	0.2651 0.2948	0.2960	Ave		0.2845			0.2000	5.9		20.0			
Acenaphthylene	1.7701	1.7476	1.7160	1.6466 1.6737	1.8061	Ave		1.7267			0.9000	3.5		20.0			
3-Nitroaniline	0.3030	0.2930	0.2785	0.2673 0.2947	0.2803	Ave		0.2861			0.0100	4.6		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.1009	1.0591	1.0469	1.0620 0.9843	1.1352	Ave		1.0647				4.8		20.0			
Acenaphthene	1.2571	1.1131	1.1031	1.1326 1.0585	1.2284	Ave		1.1488			0.9000	6.7		20.0			
2,4-Dinitrophenol	0.1914	0.1987	0.0763 0.1970	0.1118 0.2121	0.1565	Qua	-0.469	0.1874	0.0001073		0.0100				0.9990		0.9900
4-Nitrophenol	0.1571	0.1600	0.1597	0.1026 0.1756	0.1415	Lin2	-0.666	0.1711			0.0100				0.9980		0.9900

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.4001	0.3118 0.3850	0.3177 0.3659	0.3412 0.3933	0.3761	Lin2	-0.083	0.3810			0.2000				0.9970		0.9900
Dibenzofuran	1.6976	1.6613	1.6191	1.5825 1.5848	1.7024	Ave		1.6413			0.8000	3.3		20.0			
2,3,4,6-Tetrachlorophenol	0.3226	0.3242	0.3086	0.2816 0.3235	0.3058	Ave		0.3111			0.0100	5.3		20.0			
Diethyl phthalate	1.2620	1.2066	1.1402	1.1198 1.2028	1.1977	Ave		1.1882			0.0100	4.3		20.0			
4-Chlorophenyl phenyl ether	0.6414	0.6259	0.5881	0.5833 0.5459	0.6429	Ave		0.6046			0.4000	6.4		20.0			
Fluorene	1.3886	1.3356	1.2750	1.2748 1.2501	1.3594	Ave		1.3139			0.9000	4.2		20.0			
4-Nitroaniline	0.2965	0.2903	0.2734	0.2530 0.2819	0.2894	Ave		0.2808			0.0100	5.6		20.0			
4,6-Dinitro-2-methylphenol	0.1574	0.1550	0.0987 0.1548	0.1207 0.1530	0.1455	Qua	-0.286	0.1616	-0.000031		0.0100				1.0000		0.9900
N-Nitrosodiphenylamine	0.6076	0.6011	0.5972	0.5530 0.5682	0.6143	Ave		0.5902			0.0100	4.1		20.0			
1,2-Diphenylhydrazine	0.6903	0.6767	0.6785	0.6584 0.6502	0.7098	Ave		0.6773				3.2		20.0			
4-Bromophenyl phenyl ether	0.2376	0.2404	0.2339	0.2157 0.2164	0.2387	Ave		0.2304			0.1000	4.9		20.0			
Hexachlorobenzene	0.2411 0.2594	0.2354 0.2615	0.2450 0.2587	0.2343 0.2435	0.2642	Ave		0.2492			0.1000	4.7		20.0			
Pentachlorophenol	0.1586	0.1617	0.1080 0.1571	0.1224 0.1519	0.1499	Lin2	-0.217	0.1581			0.0500				0.9970		0.9900
Pentachloronitrobenzene	0.1028	0.1005	0.0974	0.0908 0.0969	0.1037	Ave		0.0987			0.0100	4.8		20.0			
n-Octadecane	0.3574	0.3757	0.3717	0.3334 0.3624	0.3615	Ave		0.3603				4.1		20.0			
Phenanthrene	1.1759	1.1370	1.1080	1.0817 1.0565	1.1817	Ave		1.1235			0.7000	4.5		20.0			
Anthracene	1.2081	1.1860	1.1487	1.1230 1.0919	1.2242	Ave		1.1636			0.7000	4.4		20.0			
Carbazole	1.0332	0.9935	0.9691	0.9167 0.9669	1.0141	Ave		0.9822			0.0100	4.2		20.0			
Di-n-butyl phthalate	1.2517	1.2272	1.1610	1.1108 1.1615	1.2095	Ave		1.1870			0.0100	4.4		20.0			
Fluoranthene	1.2043	1.1800	1.1079	1.0903 1.0689	1.1674	Ave		1.1365			0.6000	4.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.8154	0.7249	0.7599	0.6544 0.7449	0.6767	Ave		0.7294				8.0		20.0			
Pyrene	1.4561	1.4207	1.3775	1.3816 1.4340	1.5157	Ave		1.4309			0.6000	3.6		20.0			
Bisphenol-A	0.5706	0.5393	0.6179	0.5671 0.6075	0.5486	Ave		0.5752				5.5		20.0			
Butyl benzyl phthalate	0.6204	0.6251	0.6025	0.5538 0.6544	0.6146	Ave		0.6118			0.0100	5.4		20.0			
2,3,7,8-TCDD		0.2226				Ave		0.2226						20.0			
Carbamazepine	0.5470	0.5463	0.5725	0.5047 0.5776	0.5322	Ave		0.5467				4.9		20.0			
3,3'-Dichlorobenzidine	0.5028	0.4724	0.3888 0.4920	0.4340 0.5027	0.4458	Ave		0.4626			0.0100	9.1		20.0			
Benzo[a]anthracene	1.3663 1.2130	1.1508 1.2054	1.1451 1.1885	1.1177 1.1960	1.2183	Ave		1.2001			0.8000	5.9		20.0			
Bis(2-ethylhexyl) phthalate	0.8910	0.9091	0.8567	0.8194 0.9252	0.8961	Ave		0.8829			0.0100	4.4		20.0			
Chrysene	1.1624	1.1446	1.0946	1.1126 1.0819	1.1869	Ave		1.1305			0.7000	3.6		20.0			
Di-n-octyl phthalate	1.6428	1.5915	1.4692	1.4588 1.5866	1.6404	Ave		1.5649			0.0100	5.2		20.0			
Benzo[b]fluoranthene	1.1498 1.2097	0.9596 1.2053	1.1037 1.1997	1.0923 1.2352	1.2124	Ave		1.1520			0.7000	7.6		20.0			
Benzo[k]fluoranthene	1.2064 1.3481	1.1196 1.2594	1.1576 1.1929	1.1573 1.1260	1.3052	Ave		1.2081			0.7000	6.6		20.0			
Benzo[a]pyrene	1.0636 1.1487	0.9746 1.1553	1.0552 1.1210	1.0396 1.1137	1.1539	Ave		1.0917			0.7000	5.7		20.0			
Indeno[1,2,3-cd]pyrene	1.1325 1.2956	1.1050 1.1389	1.1873 1.2108	1.1717 1.1454	1.3265	Ave		1.1904			0.5000	6.3		20.0			
Dibenz(a,h)anthracene	0.9324 1.0906	0.9130 1.1819	1.0263 1.1662	0.9769 1.0898	1.0868	QuaF		1.2332	-0.001138		0.4000				0.9990		0.9900
Benzo[g,h,i]perylene	1.0309	1.1243	0.9844 1.1137	0.9346 1.0566	1.0503	Ave		1.0421			0.5000	6.5		20.0			
2-Fluorophenol (Surr)	1.0507	1.1515 1.1155	1.0996 1.1538	1.1301 1.1381	1.0999	Ave		1.1174				3.1		20.0			
Phenol-d5 (Surr)	1.2207	1.2011 1.3058	1.2783 1.3313	1.3088 1.3543	1.2601	Ave		1.2826				4.1		20.0			
Nitrobenzene-d5 (Surr)	0.3850 0.3249	0.3493 0.3437	0.3610 0.3516	0.3546 0.3433	0.3396	Ave		0.3503				4.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.4711 1.3592	1.4642 1.4666	1.5133 1.4743	1.4625 1.3551	1.4532	Ave		1.4466				3.7		20.0			
2,4,6-Tribromophenol (Surr)	 0.2134	0.1835 0.2371	0.1925 0.2336	0.2101 0.2440	0.2121	Lin2	-0.052	0.2281			0.0100				0.9970		0.9900
Terphenyl-d14 (Surr)	1.1404 1.0110	1.0196 1.0596	1.1372 1.0414	1.0749 1.0535	1.0659	Ave		1.0670				4.3		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-384521/10	L1357567.D
Level 2	STD1 460-384521/9	L1357566.D
Level 3	STD2 460-384521/8	L1357565.D
Level 4	STD5 460-384521/7	L1357564.D
Level 5	STD10 460-384521/6	L1357563.D
Level 6	STD20 460-384521/5	L1357562.D
Level 7	ICIS 460-384521/2	L1357559.D
Level 8	STD80 460-384521/4	L1357561.D
Level 9	STD120 460-384521/3	L1357560.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave	85952	231636	323359	21124 514307	52966	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd 4	Ave	128951	341957	464747	32150 786239	76934	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCBd 4	Ave	233392	599573	828145	58425 1378939	134979	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCBd 4	Ave	258958	673045	927008	63423 1635853	147620	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCBd 4	Ave	335028	859628	1172246	83715 2015422	193876	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	6262 208924	9843 529703	22888 715897	50848 1217705	118820	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd 4	Ave	250989	642973	881067	59940 1447095	145933	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCBd 4	Ave	217419	580477	792081	55634 1291890	128789	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	304440	791100	1089292	77044 1774858	178112	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	306317	809560	1088339	75137 1778275	178818	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCBd 4	Ave	143497	370647	494858	33884 864756	79608	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	291486	753159	1011300	70557 1674139	167501	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCBd 4	Ave	200526	509757	684631	47163 1181117	109091	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	239158	614013	799695	59869 1382178	136202	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol	DCBd 4	Ave	225005	578245	778849	51309 1335258	123198	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd 4	Ave	225005	578245	778849	51309 1335258	123198	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	4699 150172	7066 388304	16097 507516	37416 735035	82110	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acetophenone	DCBd 4	Ave	313610	773471	1037644	75414 1793569	169406	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCBd 4	Ave	3100 109096	4997 285908	12235 384921	27347 648494	65407	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	9175 311169	14424 787428	31890 1065817	76266 1880447	172868	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd 4	Ave	9705 368199	17233 913445	39393 1245048	91464 2118433	211111	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	394132	962573	40811 1240945	94381 2281813	207535	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	136531	353613	474183	31786 818816	74688	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	204843	522718	690923	46423 1213227	110618	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	240766	606301	781307	57773 1396428	130471	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	115697	319454	472298	12662 886278	56199	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	215859	560563	18840 732833	48250 1289943	114778	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	7349 267015	11119 679211	27374 901941	64271 1498320	149651	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	704254	1764752	2325044	165334 3986537	385372	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	291451	725195	949328	63090 1705433	152146	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	143127	5699 370355	14604 481422	35121 786313	79804	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	178044	436417	564476	34904 1062598	87745	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	492316	1233270	1620126	113622 2856308	262989	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	464500	1151551	1501580	107902 2672135	240991	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	171010	406273	560260	37568 926847	91805	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	244651	592682	752284	56353 1255648	129861	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	352565	853831	1140169	81628 2051885	184644	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	161242	407547	13376 515460	34612 930835	79249	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	167370	415740	533878	34051 924147	83877	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	636176	1562930	2009692	145332 3550043	320293	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	493699	1210716	1546251	113678 2731531	258661	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	343064	825219	1095249	79864 1978113	178349	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	138833	329929	428873	31260 826367	69329	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	412201	993331	1315781	95818 2404729	210808	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	537103	1263660	1579349	117387 2991544	261301	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	167108	393322	496114	36001 979547	83375	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	127428	4764 302939	11361 378125	26673 735403	61170	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	735515	1783515	2283979	165702 4174853	373248	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	125897	298991	370734	26904 735091	57923	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	457449	1080882	1393354	106871 2455182	234595	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	522383	1135983	1468169	113973 2640287	253849	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	159071	405530	6373 524408	22502 1058339	64668	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Lin2	130590	326558	425228	20648 875840	58491	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Lin2	166242	5697 392864	13270 486948	34333 980983	77714	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	705398	1695467	2155009	159256 3953022	351823	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	134050	330814	410800	28343 807032	63188	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	524403	1231352	1517501	112692 3000159	247511	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	266530	638734	782723	58698 1361601	132864	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	577000	1363064	1696944	128289 3118280	280922	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	123201	296232	363846	25465 703218	59809	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Qua	213005	508332	12505 633201	38473 1279592	93577	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	411036	985927	1221801	88116 2376941	197521	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	466963	1109886	1388049	104915 2719717	228224	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	160722	394258	478564	34371 905138	76754	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	4246 175471	6652 428866	15514 529172	37332 1018629	84937	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Lin2	214585	530388	13686 642928	39000 1270864	96401	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	69573	164764	199364	14468 405484	33339	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	241787	616173	760342	53121 1516063	116225	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	795469	1864837	2266855	172359 4419535	379961	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	817261	1945231	2349998	178936 4567373	393618	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	698931	1629420	1982553	146076 4044660	326075	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	846745	2012849	2375261	176990 4858512	388915	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	814702	1935391	2266579	173735 4471361	375382	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	551617	1188971	1554722	104270 3115984	217580	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	822439	1928469	2262476	175146 4491687	373556	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	322277	732045	1014907	71886 1903025	135211	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	350412	848514	989546	70209 2049975	151468	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		3021					0.500			
Carbamazepine	CRY	Ave	308952	741599	940246	63982 1809372	131166	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	283996	641207	16538 808141	55015 1574762	109879	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	18406 685105	25375 1636172	48710 1952136	141696 3746447	300265	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	503256	1233923	1407154	103874 2898164	220840	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	656555	1553639	1797922	141046 3388899	292519	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	834229	2028015	2388307	165712 4757510	356644	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	13360 614282	19393 1535925	40387 1950273	124080 3703817	263580	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	14018 684591	22626 1604829	42357 1939188	131456 3376427	283773	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	12358 583353	19695 1472217	38610 1822319	118084 3339484	250867	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	13159 657903	22331 1451286	43446 1968246	133095 3434527	288394	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	QuaF	10834 553822	18451 1506110	37552 1895727	110971 3267664	236272	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	523499	1432660	36021 1810343	106160 3168208	228349	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd 4	Ave	211417	11635 590062	25079 843162	59291 1362928	126391	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCBd 4	Ave	245622	12136 690736	29156 972866	68666 1621866	144798	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	7460 228100	11778 606726	27606 844865	63383 1439953	130746	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	16411 564808	26754 1496796	63206 1962190	147179 3380226	300315	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Lin2	88683	3352 242021	8041 310951	21142 608694	43833	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	15362 571039	22481 1438230	48374 1710483	136272 3299984	262683	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 384521

SDG No.:

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

Calibration Start Date: 08/12/2016 12:30 Calibration End Date: 08/12/2016 16:00 Calibration ID: 57238

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357559.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 12-Aug-2016 12:30:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044338-002
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:46 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: zhaoc Date: 12-Aug-2016 13:23:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.799	1.799	0.000	91	231636	50.0	50.5	
2 N-Nitrosodimethylamine	74	2.040	2.040	0.000	82	341957	50.0	50.2	
3 Pyridine	79	2.075	2.075	0.000	95	599573	50.0	49.5	
$ 4 2-Fluorophenol	112	3.251	3.251	0.000	94	590062	50.0	49.9	
$ 6 Phenol-d5	99	4.175	4.175	0.000	85	690736	50.0	50.9	
7 Phenol	94	4.192	4.192	0.000	99	673045	50.0	49.7	
8 Aniline	93	4.222	4.222	0.000	18	859628	50.0	49.4	
9 Bis(2-chloroethyl)ether	93	4.287	4.287	0.000	98	529703	50.0	49.2	
10 2-Chlorophenol	128	4.345	4.345	0.000	92	642973	50.0	50.0	
11 n-Decane	43	4.398	4.398	0.000	88	580477	50.0	50.5	
12 1,3-Dichlorobenzene	146	4.504	4.504	0.000	96	791100	50.0	49.9	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	93	423174	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.575	4.575	0.000	96	809560	50.0	50.9	
15 Benzyl alcohol	108	4.687	4.687	0.000	91	370647	50.0	50.6	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	96	753159	50.0	50.5	
17 2-Methylphenol	108	4.798	4.798	0.000	87	509757	50.0	50.4	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.828	0.000	60	614013	50.0	50.3	
22 Acetophenone	105	4.957	4.957	0.000	83	773471	50.0	49.6	
19 4-Methylphenol	108	4.957	4.957	0.000	74	578245	50.0	50.9	
20 3 & 4 Methylphenol	108	4.957	4.957	0.000	76	578245	50.0	50.9	
21 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	73	388304	50.0	50.9	
25 Hexachloroethane	117	5.069	5.069	0.000	89	285908	50.0	50.2	
$ 26 Nitrobenzene-d5	82	5.110	5.110	0.000	87	606726	50.0	49.1	
27 Nitrobenzene	77	5.134	5.134	0.000	84	787428	50.0	50.5	
28 n,n'-Dimethylaniline	120	5.134	5.134	0.000	81	913445	50.0	49.1	
29 Isophorone	82	5.375	5.375	0.000	98	962573	50.0	50.6	
30 2-Nitrophenol	139	5.451	5.451	0.000	93	353613	50.0	51.8	
31 2,4-Dimethylphenol	122	5.492	5.492	0.000	91	522718	50.0	51.9	
32 Bis(2-chloroethoxy)methane	93	5.587	5.587	0.000	99	606301	50.0	51.3	
33 Benzoic acid	122	5.610	5.610	0.000	82	319454	50.0	47.4	
34 2,4-Dichlorophenol	162	5.692	5.692	0.000	96	560563	50.0	54.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	93	679211	50.0	52.3	
* 36 Naphthalene-d8	136	5.839	5.839	0.000	99	1412312	40.0	40.0	
37 Naphthalene	128	5.863	5.863	0.000	100	1764752	50.0	51.3	
38 4-Chloroaniline	127	5.910	5.910	0.000	96	725195	50.0	51.9	
39 Hexachlorobutadiene	225	5.992	5.992	0.000	93	370355	50.0	53.6	
41 4-Chloro-3-methylphenol	107	6.392	6.392	0.000	93	436417	50.0	52.5	
42 2-Methylnaphthalene	142	6.551	6.551	0.000	83	1233270	50.0	51.4	
43 1-Methylnaphthalene	142	6.651	6.651	0.000	92	1151551	50.0	51.4	
44 Hexachlorocyclopentadiene	237	6.722	6.722	0.000	91	406273	50.0	49.4	
45 1,2,4,5-Tetrachlorobenzene	216	6.728	6.728	0.000	97	592682	50.0	50.8	
46 2-tertbutyl-4-methylphenol	149	6.751	6.751	0.000	74	853831	50.0	50.3	
48 2,4,6-Trichlorophenol	196	6.833	6.833	0.000	92	407547	50.0	53.9	
49 2,4,5-Trichlorophenol	196	6.869	6.869	0.000	95	415740	50.0	52.5	
$ 50 2-Fluorobiphenyl	172	6.922	6.922	0.000	97	1496796	50.0	50.7	
51 1,1'-Biphenyl	154	7.022	7.022	0.000	95	1562930	50.0	51.1	
52 2-Chloronaphthalene	162	7.039	7.039	0.000	96	1210716	50.0	50.8	
53 Phenyl ether	170	7.122	7.122	0.000	83	825219	50.0	49.4	
54 2-Nitroaniline	65	7.139	7.139	0.000	93	329929	50.0	49.6	
55 1,3-Dimethylnaphthalene	156	7.257	7.257	0.000	93	993331	50.0	49.6	
58 Dimethyl phthalate	163	7.322	7.322	0.000	99	1263660	50.0	50.6	
59 Coumarin	146	7.345	7.345	0.000	76	393322	50.0	50.7	
60 2,6-Dinitrotoluene	165	7.381	7.381	0.000	1	302939	50.0	52.2	
61 Acenaphthylene	152	7.451	7.451	0.000	97	1783515	50.0	50.6	
62 3-Nitroaniline	138	7.545	7.545	0.000	95	298991	50.0	51.2	
* 63 Acenaphthene-d10	164	7.592	7.592	0.000	92	816444	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	89	1080882	50.0	49.7	
65 Acenaphthene	154	7.628	7.628	0.000	92	1135983	50.0	48.4	
66 2,4-Dinitrophenol	184	7.645	7.645	0.000	61	405530	100.0	102.5	
67 4-Nitrophenol	65	7.710	7.710	0.000	87	326558	100.0	97.4	
68 2,4-Dinitrotoluene	165	7.775	7.775	0.000	96	392864	50.0	50.7	
69 Dibenzofuran	168	7.798	7.798	0.000	84	1695467	50.0	50.6	
70 2,3,4,6-Tetrachlorophenol	232	7.916	7.916	0.000	93	330814	50.0	52.1	
71 Diethyl phthalate	149	8.022	8.022	0.000	98	1231352	50.0	50.8	
74 Fluorene	166	8.133	8.133	0.000	83	1363064	50.0	50.8	
73 4-Chlorophenyl phenyl ethe	204	8.133	8.133	0.000	72	638734	50.0	51.8	
75 4-Nitroaniline	138	8.157	8.157	0.000	83	296232	50.0	51.7	
76 4,6-Dinitro-2-methylphenol	198	8.186	8.186	0.000	78	508332	100.0	99.6	
77 N-Nitrosodiphenylamine	169	8.245	8.245	0.000	67	985927	50.0	50.9	
78 1,2-Diphenylhydrazine	77	8.286	8.286	0.000	97	1109886	50.0	50.0	
$ 79 2,4,6-Tribromophenol	330	8.375	8.375	0.000	91	242021	50.0	52.2	
80 4-Bromophenyl phenyl ether	248	8.616	8.616	0.000	94	394258	50.0	52.2	
81 Hexachlorobenzene	284	8.686	8.686	0.000	95	428866	50.0	52.5	
83 Pentachlorophenol	266	8.875	8.875	0.000	90	530388	100.0	103.7	
84 Pentachloronitrobenzene	237	8.892	8.892	0.000	88	164764	50.0	50.9	
72 n-Octadecane	57	8.945	8.945	0.000	96	616173	50.0	52.1	
* 85 Phenanthrene-d10	188	9.063	9.063	0.000	97	1312122	40.0	40.0	
86 Phenanthrene	178	9.086	9.086	0.000	96	1864837	50.0	50.6	
87 Anthracene	178	9.133	9.133	0.000	98	1945231	50.0	51.0	
88 Carbazole	167	9.286	9.286	0.000	82	1629420	50.0	50.6	
89 Di-n-butyl phthalate	149	9.622	9.622	0.000	99	2012849	50.0	51.7	
90 Fluoranthene	202	10.257	10.257	0.000	98	1935391	50.0	51.9	
91 Benzidine	184	10.380	10.380	0.000	99	1188971	50.0	49.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.486	10.486	0.000	97	1928469	50.0	49.6	
93 Bisphenol-A	213	10.527	10.527	0.000	86	732045	50.0	46.9	
$ 94 Terphenyl-d14	244	10.645	10.645	0.000	99	1438230	50.0	49.6	
95 Butyl benzyl phthalate	149	11.186	11.186	0.000	95	848514	50.0	51.1	
96 2,3,7,8-TCDD	320	11.310	11.310	0.000	31	3021	0.5000	0.5000	
97 Carbamazepine	193	11.321	11.321	0.000	90	741599	50.0	50.0	
98 3,3'-Dichlorobenzidine	252	11.833	11.833	0.000	99	641207	50.0	51.1	
99 Benzo[a]anthracene	228	11.868	11.868	0.000	98	1636172	50.0	50.2	
* 100 Chrysene-d12	240	11.886	11.886	0.000	97	1085897	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.898	11.898	0.000	71	1233923	50.0	51.5	
101 Chrysene	228	11.921	11.921	0.000	95	1553639	50.0	50.6	
103 Di-n-octyl phthalate	149	12.786	12.786	0.000	96	2028015	50.0	50.8	
104 Benzo[b]fluoranthene	252	13.321	13.321	0.000	98	1535925	50.0	52.3	
105 Benzo[k]fluoranthene	252	13.362	13.362	0.000	99	1604829	50.0	52.1	
106 Benzo[a]pyrene	252	13.774	13.774	0.000	96	1472217	50.0	52.9	
* 107 Perylene-d12	264	13.857	13.857	0.000	99	1019430	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.339	15.339	0.000	98	1451286	50.0	47.8	
109 Dibenz(a,h)anthracene	278	15.368	15.368	0.000	95	1506110	50.0	50.3	
110 Benzo[g,h,i]perylene	276	15.715	15.715	0.000	96	1432660	50.0	53.9	

Reagents:

SV_IC_BNA_L6_00020 Amount Added: 1.00 Units: mL

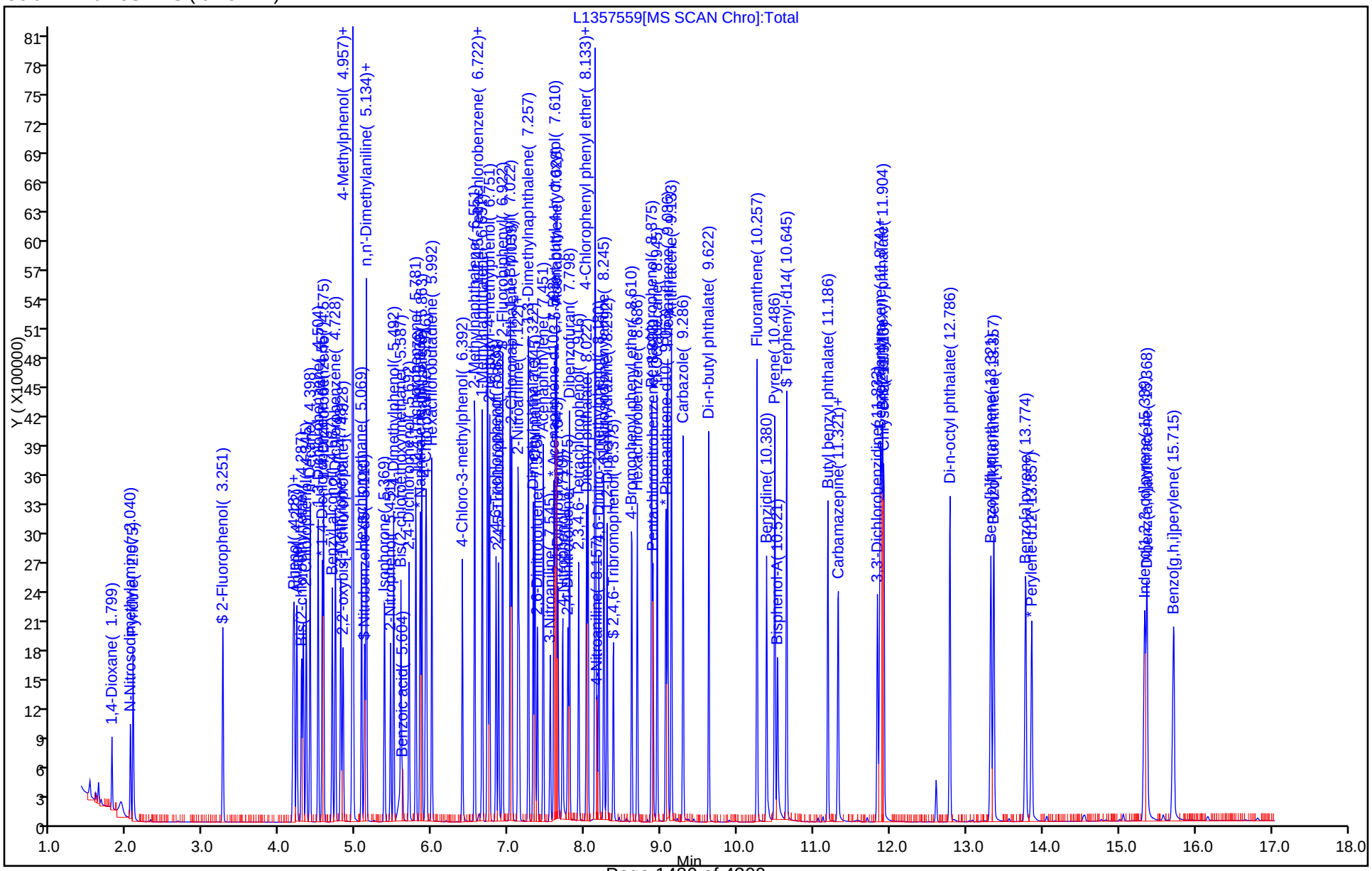
Report Date: 14-Aug-2016 21:56:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357559.D

Injection Date:	12-Aug-2016 12:30:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	ICIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357560.D
Lims ID: STD120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 12-Aug-2016 13:06:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044409-003
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:41 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: zhaoc Date: 12-Aug-2016 13:49:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.799	1.799	0.000	92	514307	120.0	118.9	
2 N-Nitrosodimethylamine	74	2.052	2.040	0.012	82	786239	120.0	122.4	
3 Pyridine	79	2.081	2.075	0.006	95	1378939	120.0	120.7	
$ 4 2-Fluorophenol	112	3.257	3.251	0.006	95	1362928	120.0	122.2	
$ 6 Phenol-d5	99	4.193	4.175	0.018	97	1621866	120.0	126.7	
7 Phenol	94	4.204	4.192	0.012	99	1635853	120.0	127.9	
8 Aniline	93	4.228	4.222	0.006	99	2015422	120.0	122.9	
9 Bis(2-chloroethyl)ether	93	4.293	4.287	0.006	98	1217705	120.0	119.8	
10 2-Chlorophenol	128	4.351	4.345	0.006	96	1447095	120.0	119.4	
11 n-Decane	43	4.399	4.398	0.001	89	1291890	120.0	119.1	
12 1,3-Dichlorobenzene	146	4.504	4.504	0.000	96	1774858	120.0	118.6	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	94	399180	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.575	4.575	0.000	94	1778275	120.0	118.6	
15 Benzyl alcohol	108	4.699	4.687	0.011	93	864756	120.0	125.2	
16 1,2-Dichlorobenzene	146	4.734	4.728	0.006	96	1674139	120.0	119.0	
17 2-Methylphenol	108	4.810	4.798	0.012	89	1181117	120.0	123.9	
18 2,2'-oxybis[1-chloropropan	45	4.834	4.828	0.006	90	1382178	120.0	120.0	
22 Acetophenone	105	4.969	4.957	0.012	96	1793569	120.0	121.8	
19 4-Methylphenol	108	4.975	4.957	0.018	84	1335258	120.0	124.6	
20 3 & 4 Methylphenol	108	4.975	4.957	0.018	83	1335258	120.0	124.6	
21 N-Nitrosodi-n-propylamine	70	4.975	4.963	0.012	90	735035	120.0	102.2	
25 Hexachloroethane	117	5.075	5.069	0.006	91	648494	120.0	120.8	
$ 26 Nitrobenzene-d5	82	5.122	5.110	0.012	89	1439953	120.0	117.6	
27 Nitrobenzene	77	5.146	5.134	0.012	94	1880447	120.0	121.8	
28 n,n'-Dimethylaniline	120	5.146	5.134	0.012	91	2118433	120.0	120.7	
29 Isophorone	82	5.387	5.375	0.012	98	2281813	120.0	121.3	
30 2-Nitrophenol	139	5.457	5.451	0.006	93	818816	120.0	121.2	
31 2,4-Dimethylphenol	122	5.504	5.492	0.012	91	1213227	120.0	121.7	
32 Bis(2-chloroethoxy)methane	93	5.598	5.587	0.011	99	1396428	120.0	119.5	
33 Benzoic acid	122	5.669	5.610	0.059	87	886278	120.0	126.9	
34 2,4-Dichlorophenol	162	5.704	5.692	0.012	96	1289943	120.0	125.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.787	5.781	0.006	94	1498320	120.0	116.4	
* 36 Naphthalene-d8	136	5.845	5.840	0.005	99	1398254	40.0	40.0	
37 Naphthalene	128	5.869	5.863	0.006	99	3986537	120.0	117.0	
38 4-Chloroaniline	127	5.922	5.910	0.012	99	1705433	120.0	123.2	
39 Hexachlorobutadiene	225	5.998	5.992	0.006	94	786313	120.0	115.0	
41 4-Chloro-3-methylphenol	107	6.398	6.392	0.006	93	1062598	120.0	129.1	
42 2-Methylnaphthalene	142	6.563	6.551	0.012	85	2856308	120.0	120.3	
43 1-Methylnaphthalene	142	6.657	6.651	0.006	93	2672135	120.0	120.5	
44 Hexachlorocyclopentadiene	237	6.728	6.722	0.006	95	926847	120.0	110.6	
45 1,2,4,5-Tetrachlorobenzene	216	6.734	6.728	0.006	95	1255648	120.0	105.8	
46 2-tertbutyl-4-methylphenol	149	6.757	6.751	0.006	92	2051885	120.0	122.0	
48 2,4,6-Trichlorophenol	196	6.840	6.833	0.007	92	930835	120.0	120.8	
49 2,4,5-Trichlorophenol	196	6.875	6.869	0.006	97	924147	120.0	114.7	
$ 50 2-Fluorobiphenyl	172	6.928	6.922	0.006	97	3380226	120.0	112.4	
51 1,1'-Biphenyl	154	7.028	7.022	0.006	95	3550043	120.0	114.0	
52 2-Chloronaphthalene	162	7.051	7.039	0.012	98	2731531	120.0	112.4	
53 Phenyl ether	170	7.128	7.122	0.006	84	1978113	120.0	116.4	
54 2-Nitroaniline	65	7.151	7.139	0.012	93	826367	120.0	121.9	
55 1,3-Dimethylnaphthalene	156	7.269	7.257	0.012	93	2404729	120.0	117.8	
58 Dimethyl phthalate	163	7.340	7.322	0.018	99	2991544	120.0	117.5	
59 Coumarin	146	7.357	7.345	0.012	75	979547	120.0	127.5	
60 2,6-Dinitrotoluene	165	7.392	7.381	0.011	94	735403	120.0	124.3	
61 Acenaphthylene	152	7.463	7.451	0.012	97	4174853	120.0	116.3	
62 3-Nitroaniline	138	7.557	7.545	0.012	96	735091	120.0	123.6	
* 63 Acenaphthene-d10	164	7.598	7.592	0.006	92	831470	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.622	7.610	0.012	97	2455182	120.0	110.9	
65 Acenaphthene	154	7.634	7.628	0.006	94	2640287	120.0	110.6	
66 2,4-Dinitrophenol	184	7.663	7.645	0.018	95	1058339	240.0	241.0	
67 4-Nitrophenol	65	7.728	7.710	0.018	88	875840	240.0	250.1	
68 2,4-Dinitrotoluene	165	7.792	7.775	0.017	97	980983	120.0	124.1	
69 Dibenzofuran	168	7.810	7.798	0.012	96	3953022	120.0	115.9	
70 2,3,4,6-Tetrachlorophenol	232	7.928	7.916	0.012	95	807032	120.0	124.8	
71 Diethyl phthalate	149	8.034	8.022	0.012	98	3000159	120.0	121.5	
74 Fluorene	166	8.145	8.133	0.012	95	3118280	120.0	114.2	
73 4-Chlorophenyl phenyl ethe	204	8.139	8.133	0.006	89	1361601	120.0	108.3	
75 4-Nitroaniline	138	8.181	8.157	0.024	84	703218	120.0	120.5	
76 4,6-Dinitro-2-methylphenol	198	8.204	8.186	0.018	91	1279592	240.0	240.1	
77 N-Nitrosodiphenylamine	169	8.263	8.245	0.018	68	2376941	120.0	115.5	
78 1,2-Diphenylhydrazine	77	8.298	8.286	0.012	97	2719717	120.0	115.2	
$ 79 2,4,6-Tribromophenol	330	8.387	8.375	0.011	93	608694	120.0	128.6	
80 4-Bromophenyl phenyl ether	248	8.622	8.616	0.006	89	905138	120.0	112.7	
81 Hexachlorobenzene	284	8.698	8.686	0.012	98	1018629	120.0	117.3	
83 Pentachlorophenol	266	8.886	8.875	0.011	92	1270864	240.0	232.0	
84 Pentachloronitrobenzene	237	8.898	8.892	0.006	88	405484	120.0	117.9	
72 n-Octadecane	57	8.951	8.945	0.006	95	1516063	120.0	120.7	
* 85 Phenanthrene-d10	188	9.069	9.057	0.012	98	1394337	40.0	40.0	
86 Phenanthrene	178	9.092	9.086	0.006	97	4419535	120.0	112.9	
87 Anthracene	178	9.145	9.133	0.012	98	4567373	120.0	112.6	
88 Carbazole	167	9.298	9.286	0.012	96	4044660	120.0	118.1	
89 Di-n-butyl phthalate	149	9.633	9.622	0.011	99	4858512	120.0	117.4	
90 Fluoranthene	202	10.263	10.257	0.006	97	4471361	120.0	112.9	
91 Benzidine	184	10.392	10.380	0.012	99	3115984	120.0	122.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.498	10.486	0.012	97	4491687	120.0	120.3	
93 Bisphenol-A	213	10.533	10.527	0.006	99	1903025	120.0	126.8	
$ 94 Terphenyl-d14	244	10.651	10.645	0.006	99	3299984	120.0	118.5	
95 Butyl benzyl phthalate	149	11.192	11.186	0.006	96	2049975	120.0	128.4	
97 Carbamazepine	193	11.333	11.321	0.012	91	1809372	120.0	126.8	
98 3,3'-Dichlorobenzidine	252	11.851	11.833	0.018	99	1574762	120.0	130.4	
99 Benzo[a]anthracene	228	11.880	11.868	0.012	99	3746447	120.0	119.6	
* 100 Chrysene-d12	240	11.898	11.880	0.018	99	1044125	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.910	11.898	0.012	86	2898164	120.0	125.8	
101 Chrysene	228	11.933	11.921	0.012	98	3388899	120.0	114.8	
103 Di-n-octyl phthalate	149	12.792	12.786	0.006	96	4757510	120.0	121.7	
104 Benzo[b]fluoranthene	252	13.339	13.321	0.018	98	3703817	120.0	128.7	
105 Benzo[k]fluoranthene	252	13.380	13.362	0.018	99	3376427	120.0	111.9	
106 Benzo[a]pyrene	252	13.798	13.774	0.024	97	3339484	120.0	122.4	
* 107 Perylene-d12	264	13.868	13.857	0.011	99	999505	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.357	15.339	0.018	98	3434527	120.0	115.5	
109 Dibenz(a,h)anthracene	278	15.386	15.368	0.018	98	3267664	120.0	119.1	
110 Benzo[g,h,i]perylene	276	15.745	15.715	0.030	98	3168208	120.0	121.7	
S 117 Total Cresols	1				0			248.5	

Reagents:

SV_IC_BNA_L8_00011 Amount Added: 1.00 Units: mL

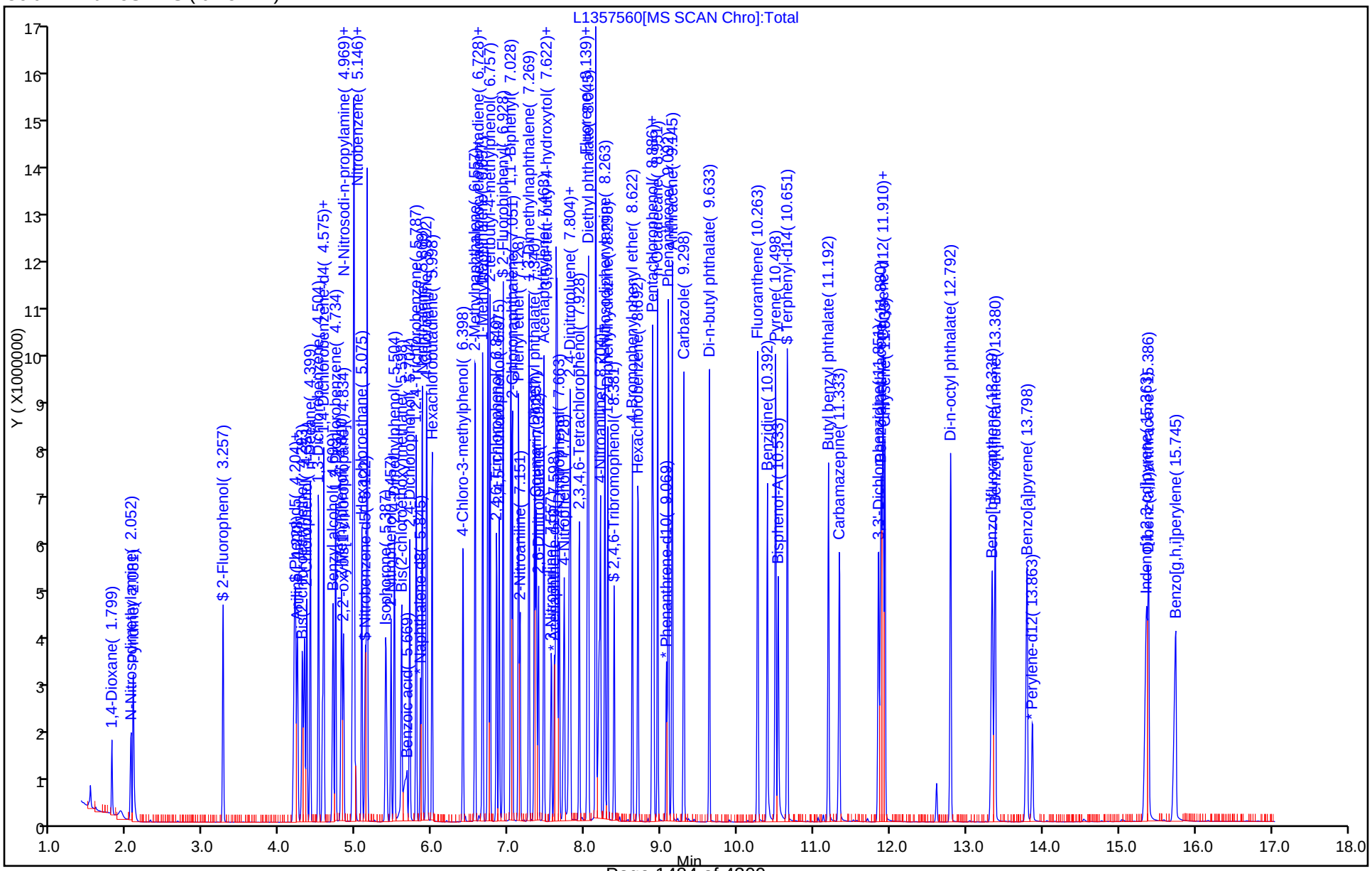
Report Date: 14-Aug-2016 21:56:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357560.D

Injection Date:	12-Aug-2016 13:06:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	STD120			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357561.D
Lims ID: STD80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Aug-2016 13:31:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044409-004
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:37 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: zhaoc Date: 12-Aug-2016 15:02:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.798	1.799	-0.001	92	323359	80.0	81.7	
2 N-Nitrosodimethylamine	74	2.045	2.040	0.005	82	464747	80.0	79.0	
3 Pyridine	79	2.075	2.075	0.000	95	828145	80.0	79.2	
$ 4 2-Fluorophenol	112	3.257	3.251	0.006	95	843162	80.0	82.6	
$ 6 Phenol-d5	99	4.181	4.175	0.006	93	972866	80.0	83.0	
7 Phenol	94	4.198	4.192	0.006	99	927008	80.0	79.2	
8 Aniline	93	4.228	4.222	0.006	97	1172246	80.0	78.1	
9 Bis(2-chloroethyl)ether	93	4.287	4.287	-0.001	99	715897	80.0	76.9	
10 2-Chlorophenol	128	4.351	4.345	0.006	96	881067	80.0	79.4	
11 n-Decane	43	4.398	4.398	0.000	89	792081	80.0	79.8	
12 1,3-Dichlorobenzene	146	4.504	4.504	0.000	96	1089292	80.0	79.5	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	94	365378	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.575	4.575	0.000	95	1088339	80.0	79.3	
15 Benzyl alcohol	108	4.692	4.687	0.005	93	494858	80.0	78.3	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	97	1011300	80.0	78.5	
17 2-Methylphenol	108	4.804	4.798	0.006	92	684631	80.0	78.5	
18 2,2'-oxybis[1-chloropropan	45	4.834	4.828	0.006	90	799695	80.0	75.9	
22 Acetophenone	105	4.963	4.957	0.006	92	1037644	80.0	77.0	
19 4-Methylphenol	108	4.963	4.957	0.006	85	778849	80.0	79.4	
20 3 & 4 Methylphenol	108	4.963	4.957	0.006	80	778849	80.0	79.4	
21 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	91	507516	80.0	77.1	
25 Hexachloroethane	117	5.075	5.069	0.006	90	384921	80.0	78.3	
$ 26 Nitrobenzene-d5	82	5.116	5.110	0.006	87	844865	80.0	80.3	
27 Nitrobenzene	77	5.139	5.134	0.005	80	1065817	80.0	80.3	
28 n,n'-Dimethylaniline	120	5.139	5.134	0.005	88	1245048	80.0	77.5	
29 Isophorone	82	5.375	5.375	0.000	98	1240945	80.0	76.8	
30 2-Nitrophenol	139	5.457	5.451	0.006	95	474183	80.0	81.7	
31 2,4-Dimethylphenol	122	5.498	5.492	0.006	92	690923	80.0	80.6	
32 Bis(2-chloroethoxy)methane	93	5.592	5.587	0.005	100	781307	80.0	77.8	
33 Benzoic acid	122	5.628	5.610	0.018	87	472298	80.0	79.9	M
34 2,4-Dichlorophenol	162	5.698	5.692	0.006	96	732833	80.0	83.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.786	5.781	0.005	94	901941	80.0	81.6	
* 36 Naphthalene-d8	136	5.839	5.840	-0.001	99	1201528	40.0	40.0	
37 Naphthalene	128	5.863	5.863	0.000	100	2325044	80.0	79.4	
38 4-Chloroaniline	127	5.916	5.910	0.006	98	949328	80.0	79.8	
39 Hexachlorobutadiene	225	5.992	5.992	0.000	94	481422	80.0	81.9	
41 4-Chloro-3-methylphenol	107	6.398	6.392	0.006	93	564476	80.0	79.8	
42 2-Methylnaphthalene	142	6.557	6.551	0.006	85	1620126	80.0	79.4	
43 1-Methylnaphthalene	142	6.657	6.651	0.006	93	1501580	80.0	78.8	
44 Hexachlorocyclopentadiene	237	6.722	6.722	0.000	95	560260	80.0	83.5	
45 1,2,4,5-Tetrachlorobenzene	216	6.728	6.728	0.000	96	752284	80.0	79.2	
46 2-tertbutyl-4-methylphenol	149	6.751	6.751	0.000	93	1140169	80.0	78.9	
48 2,4,6-Trichlorophenol	196	6.839	6.833	0.006	94	515460	80.0	83.6	
49 2,4,5-Trichlorophenol	196	6.869	6.869	0.000	98	533878	80.0	82.8	
$ 50 2-Fluorobiphenyl	172	6.922	6.922	0.000	97	1962190	80.0	81.5	
51 1,1'-Biphenyl	154	7.022	7.022	0.000	95	2009692	80.0	80.6	
52 2-Chloronaphthalene	162	7.045	7.039	0.006	99	1546251	80.0	79.5	
53 Phenyl ether	170	7.128	7.122	0.006	85	1095249	80.0	80.5	
54 2-Nitroaniline	65	7.139	7.139	0.000	95	428873	80.0	79.0	
55 1,3-Dimethylnaphthalene	156	7.263	7.257	0.006	94	1315781	80.0	80.6	
58 Dimethyl phthalate	163	7.327	7.322	0.005	99	1579349	80.0	77.5	
59 Coumarin	146	7.351	7.345	0.006	76	496114	80.0	75.1	
60 2,6-Dinitrotoluene	165	7.380	7.381	-0.001	94	378125	80.0	79.9	
61 Acenaphthylene	152	7.457	7.451	0.006	97	2283979	80.0	79.5	
62 3-Nitroaniline	138	7.551	7.545	0.006	95	370734	80.0	77.9	
* 63 Acenaphthene-d10	164	7.592	7.592	0.000	92	665482	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.616	7.610	0.006	97	1393354	80.0	78.7	
65 Acenaphthene	154	7.627	7.628	-0.001	93	1468169	80.0	76.8	
66 2,4-Dinitrophenol	184	7.651	7.645	0.006	93	524408	160.0	156.7	
67 4-Nitrophenol	65	7.716	7.710	0.006	87	425228	160.0	153.3	
68 2,4-Dinitrotoluene	165	7.780	7.775	0.005	97	486948	80.0	77.0	
69 Dibenzofuran	168	7.798	7.798	0.000	96	2155009	80.0	78.9	
70 2,3,4,6-Tetrachlorophenol	232	7.922	7.916	0.006	95	410800	80.0	79.4	
71 Diethyl phthalate	149	8.022	8.022	0.000	99	1517501	80.0	76.8	
74 Fluorene	166	8.139	8.133	0.006	95	1696944	80.0	77.6	
73 4-Chlorophenyl phenyl ethe	204	8.133	8.133	0.000	89	782723	80.0	77.8	
75 4-Nitroaniline	138	8.163	8.157	0.006	84	363846	80.0	77.9	
76 4,6-Dinitro-2-methylphenol	198	8.186	8.186	0.000	93	633201	160.0	159.9	
77 N-Nitrosodiphenylamine	169	8.251	8.245	0.006	68	1221801	80.0	80.9	
78 1,2-Diphenylhydrazine	77	8.292	8.286	0.006	96	1388049	80.0	80.1	
$ 79 2,4,6-Tribromophenol	330	8.374	8.375	-0.001	93	310951	80.0	82.2	
80 4-Bromophenyl phenyl ether	248	8.616	8.616	0.000	92	478564	80.0	81.2	
81 Hexachlorobenzene	284	8.686	8.686	0.000	97	529172	80.0	83.0	
83 Pentachlorophenol	266	8.874	8.875	-0.001	93	642928	160.0	160.4	
84 Pentachloronitrobenzene	237	8.892	8.892	0.000	87	199364	80.0	79.0	
72 n-Octadecane	57	8.951	8.945	0.006	95	760342	80.0	82.5	
* 85 Phenanthrene-d10	188	9.063	9.057	0.006	98	1022916	40.0	40.0	
86 Phenanthrene	178	9.086	9.086	0.000	97	2266855	80.0	78.9	
87 Anthracene	178	9.139	9.133	0.006	99	2349998	80.0	79.0	
88 Carbazole	167	9.292	9.286	0.006	96	1982553	80.0	78.9	
89 Di-n-butyl phthalate	149	9.627	9.622	0.005	99	2375261	80.0	78.3	
90 Fluoranthene	202	10.257	10.257	0.000	98	2266579	80.0	78.0	
91 Benzidine	184	10.386	10.380	0.006	99	1554722	80.0	83.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.492	10.486	0.006	98	2262476	80.0	77.0	
93 Bisphenol-A	213	10.527	10.527	0.000	99	1014907	80.0	85.9	
$ 94 Terphenyl-d14	244	10.645	10.645	0.000	99	1710483	80.0	78.1	
95 Butyl benzyl phthalate	149	11.186	11.186	0.000	96	989546	80.0	78.8	
97 Carbamazepine	193	11.321	11.321	0.000	91	940246	80.0	83.8	
98 3,3'-Dichlorobenzidine	252	11.839	11.833	0.006	99	808141	80.0	85.1	
99 Benzo[a]anthracene	228	11.874	11.868	0.006	98	1952136	80.0	79.2	
* 100 Chrysene-d12	240	11.886	11.880	0.006	99	821246	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.904	11.898	0.006	85	1407154	80.0	77.6	
101 Chrysene	228	11.921	11.921	0.000	98	1797922	80.0	77.5	
103 Di-n-octyl phthalate	149	12.786	12.786	0.000	96	2388307	80.0	75.1	
104 Benzo[b]fluoranthene	252	13.327	13.321	0.006	98	1950273	80.0	83.3	
105 Benzo[k]fluoranthene	252	13.362	13.362	0.000	99	1939188	80.0	79.0	
106 Benzo[a]pyrene	252	13.780	13.774	0.006	97	1822319	80.0	82.1	
* 107 Perylene-d12	264	13.856	13.857	-0.001	99	812795	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.345	15.339	0.006	98	1968246	80.0	81.4	
109 Dibenz(a,h)anthracene	278	15.374	15.368	0.006	98	1895727	80.0	81.8	
110 Benzo[g,h,i]perylene	276	15.727	15.715	0.012	98	1810343	80.0	85.5	
S 117 Total Cresols	1				0			157.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L7_00011 Amount Added: 1.00 Units: mL

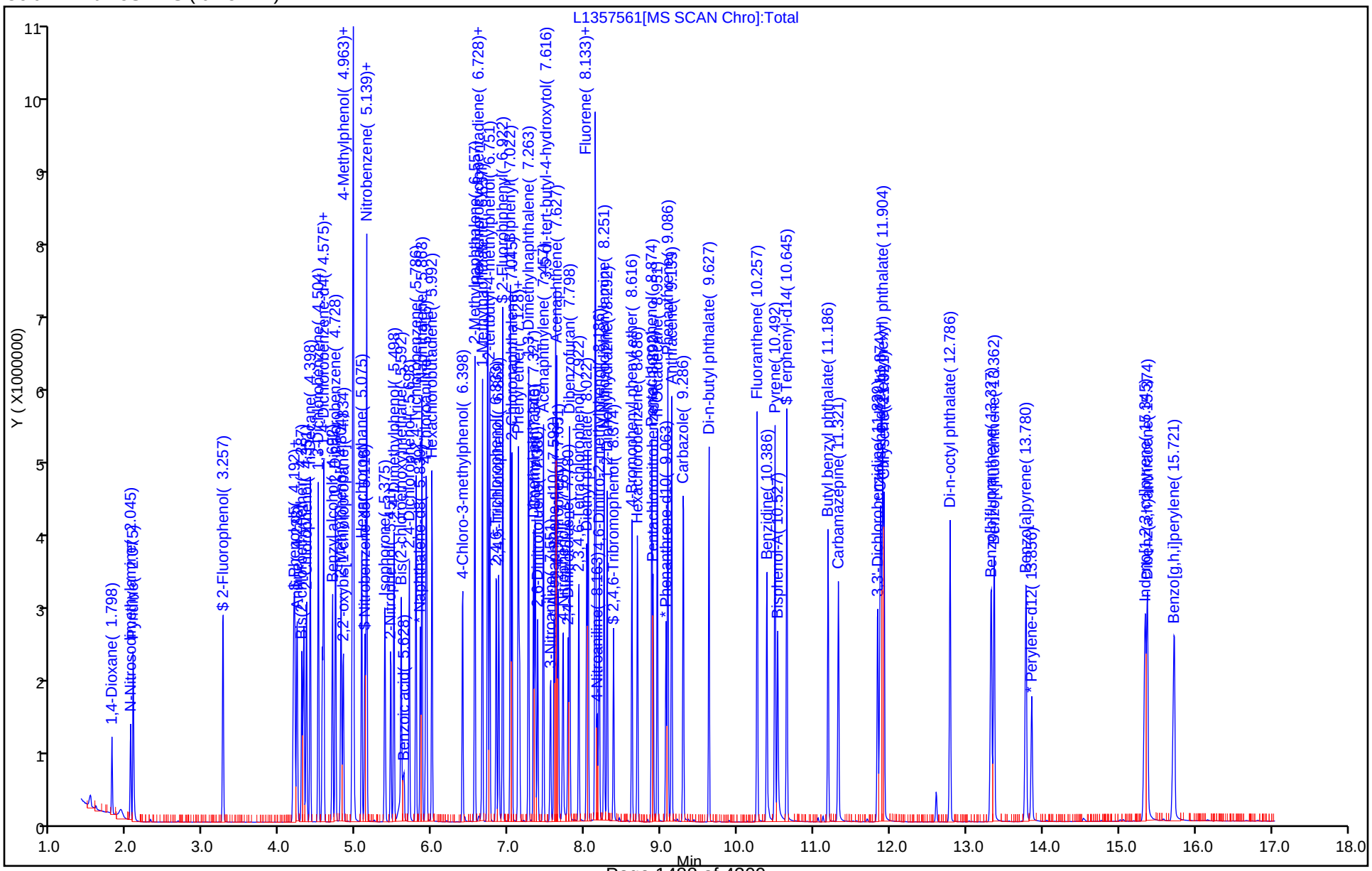
Report Date: 14-Aug-2016 21:56:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357561.D

Injection Date:	12-Aug-2016 13:31:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	STD80			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

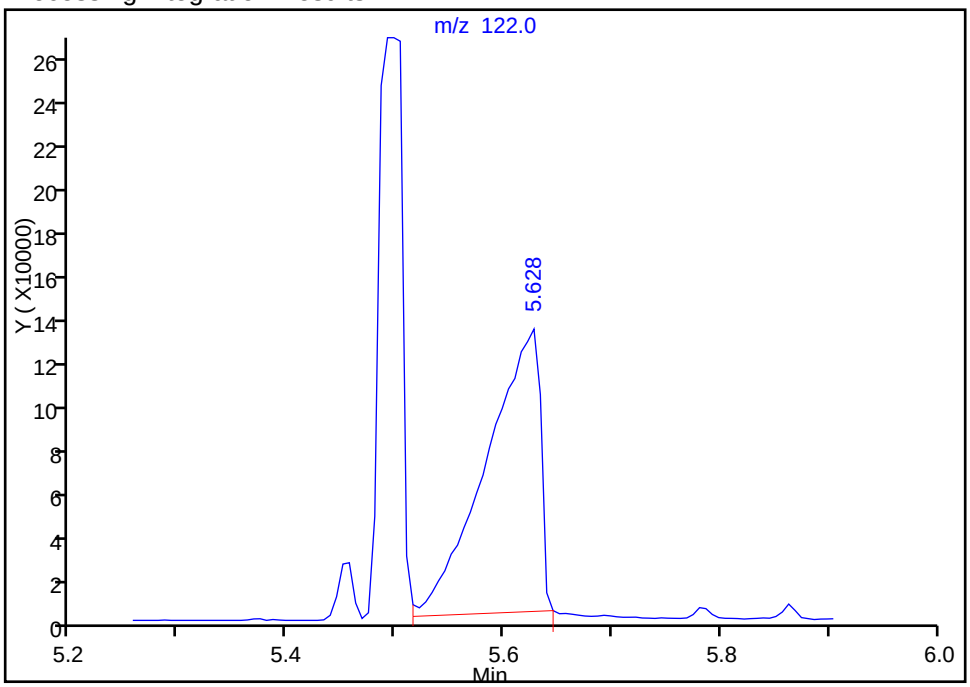
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357561.D
Injection Date: 12-Aug-2016 13:31:30 Instrument ID: CBNAMS12
Lims ID: STD80
Client ID:
Operator ID: BNA 12 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

33 Benzoic acid, CAS: 65-85-0

Signal: 1

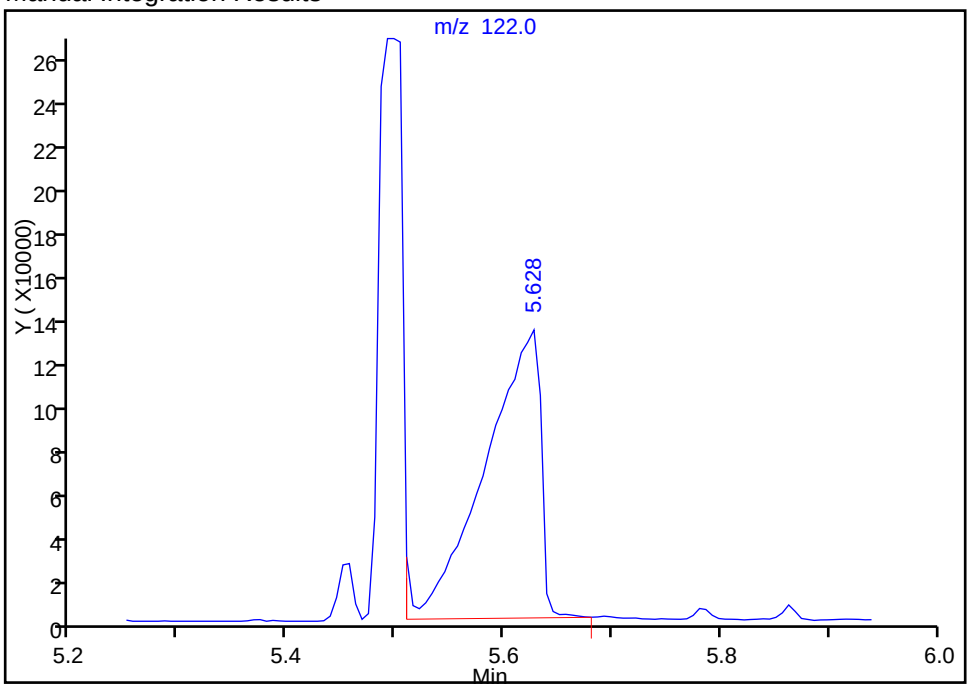
Processing Integration Results

RT: 5.63
Area: 445529
Amount: 76.705311
Amount Units: ug/ml



Manual Integration Results

RT: 5.63
Area: 472298
Amount: 79.944904
Amount Units: ug/ml



Reviewer: boykinc, 12-Aug-2016 17:36:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357562.D
Lims ID: STD20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 12-Aug-2016 13:56:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044409-005
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:30 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: zhaoc Date: 12-Aug-2016 15:02:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.799	1.799	0.000	91	85952	20.0	19.7	
2 N-Nitrosodimethylamine	74	2.040	2.040	0.000	82	128951	20.0	19.9	
3 Pyridine	79	2.075	2.075	0.000	95	233392	20.0	20.3	
$ 4 2-Fluorophenol	112	3.251	3.251	0.000	95	211417	20.0	18.8	
$ 6 Phenol-d5	99	4.169	4.175	-0.006	90	245622	20.0	19.0	
7 Phenol	94	4.181	4.192	-0.011	100	258958	20.0	20.1	
8 Aniline	93	4.222	4.222	0.000	98	335028	20.0	20.3	
9 Bis(2-chloroethyl)ether	93	4.281	4.287	-0.006	99	208924	20.0	20.4	
10 2-Chlorophenol	128	4.346	4.345	0.001	96	250989	20.0	20.5	
11 n-Decane	43	4.393	4.398	-0.005	89	217419	20.0	19.9	
12 1,3-Dichlorobenzene	146	4.498	4.504	-0.006	97	304440	20.0	20.2	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	94	402421	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.575	4.575	0.000	96	306317	20.0	20.3	
15 Benzyl alcohol	108	4.681	4.687	-0.006	93	143497	20.0	20.6	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	98	291486	20.0	20.6	
17 2-Methylphenol	108	4.793	4.798	-0.005	89	200526	20.0	20.9	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.828	0.000	90	239158	20.0	20.6	
22 Acetophenone	105	4.957	4.957	0.000	92	313610	20.0	21.1	
19 4-Methylphenol	108	4.951	4.957	-0.006	83	225005	20.0	20.8	
20 3 & 4 Methylphenol	108	4.951	4.957	-0.006	86	225005	20.0	20.8	
21 N-Nitrosodi-n-propylamine	70	4.957	4.963	-0.006	76	150172	20.0	20.7	
25 Hexachloroethane	117	5.069	5.069	0.000	90	109096	20.0	20.2	
$ 26 Nitrobenzene-d5	82	5.110	5.110	0.000	87	228100	20.0	18.6	
27 Nitrobenzene	77	5.128	5.134	-0.006	97	311169	20.0	20.1	
28 n,n'-Dimethylaniline	120	5.134	5.134	0.000	93	368199	20.0	20.8	
29 Isophorone	82	5.369	5.375	-0.006	98	394132	20.0	20.9	
30 2-Nitrophenol	139	5.451	5.451	0.000	93	136531	20.0	20.1	
31 2,4-Dimethylphenol	122	5.493	5.492	0.000	92	204843	20.0	20.5	
32 Bis(2-chloroethoxy)methane	93	5.587	5.587	0.000	99	240766	20.0	20.5	
33 Benzoic acid	122	5.569	5.610	-0.041	87	115697	20.0	19.3	
34 2,4-Dichlorophenol	162	5.692	5.692	0.000	96	215859	20.0	21.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	94	267015	20.0	20.7	
* 36 Naphthalene-d8	136	5.840	5.840	0.000	99	1404011	40.0	40.0	
37 Naphthalene	128	5.857	5.863	-0.006	100	704254	20.0	20.6	
38 4-Chloroaniline	127	5.910	5.910	0.000	98	291451	20.0	21.0	
39 Hexachlorobutadiene	225	5.992	5.992	0.000	94	143127	20.0	20.8	
41 4-Chloro-3-methylphenol	107	6.392	6.392	0.000	93	178044	20.0	21.6	
42 2-Methylnaphthalene	142	6.551	6.551	0.000	84	492316	20.0	20.7	
43 1-Methylnaphthalene	142	6.651	6.651	0.000	94	464500	20.0	20.9	
44 Hexachlorocyclopentadiene	237	6.722	6.722	0.000	97	171010	20.0	20.4	
45 1,2,4,5-Tetrachlorobenzene	216	6.722	6.728	-0.006	97	244651	20.0	20.6	
46 2-tertbutyl-4-methylphenol	149	6.745	6.751	-0.006	94	352565	20.0	20.9	
48 2,4,6-Trichlorophenol	196	6.834	6.833	0.001	93	161242	20.0	20.9	
49 2,4,5-Trichlorophenol	196	6.869	6.869	0.000	98	167370	20.0	20.8	
$ 50 2-Fluorobiphenyl	172	6.916	6.922	-0.006	97	564808	20.0	18.8	
51 1,1'-Biphenyl	154	7.016	7.022	-0.006	95	636176	20.0	20.4	
52 2-Chloronaphthalene	162	7.039	7.039	0.000	99	493699	20.0	20.3	
53 Phenyl ether	170	7.122	7.122	0.000	86	343064	20.0	20.2	
54 2-Nitroaniline	65	7.134	7.139	-0.005	95	138833	20.0	20.5	
55 1,3-Dimethylnaphthalene	156	7.257	7.257	0.000	95	412201	20.0	20.2	
58 Dimethyl phthalate	163	7.316	7.322	-0.006	99	537103	20.0	21.1	
59 Coumarin	146	7.339	7.345	-0.006	76	167108	20.0	21.7	
60 2,6-Dinitrotoluene	165	7.375	7.381	-0.006	94	127428	20.0	21.6	
61 Acenaphthylene	152	7.451	7.451	0.000	97	735515	20.0	20.5	
62 3-Nitroaniline	138	7.539	7.545	-0.006	96	125897	20.0	21.2	
* 63 Acenaphthene-d10	164	7.592	7.592	0.000	92	831060	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	96	457449	20.0	20.7	
65 Acenaphthene	154	7.622	7.628	-0.006	94	522383	20.0	21.9	
66 2,4-Dinitrophenol	184	7.639	7.645	-0.006	68	159071	40.0	42.3	
67 4-Nitrophenol	65	7.698	7.710	-0.012	87	130590	40.0	40.6	
68 2,4-Dinitrotoluene	165	7.775	7.775	0.000	97	166242	20.0	21.2	
69 Dibenzofuran	168	7.792	7.798	-0.006	97	705398	20.0	20.7	
70 2,3,4,6-Tetrachlorophenol	232	7.916	7.916	0.000	95	134050	20.0	20.7	
71 Diethyl phthalate	149	8.016	8.022	-0.006	99	524403	20.0	21.2	
74 Fluorene	166	8.134	8.133	0.001	95	577000	20.0	21.1	
73 4-Chlorophenyl phenyl ethe	204	8.128	8.133	-0.005	93	266530	20.0	21.2	
75 4-Nitroaniline	138	8.145	8.157	-0.012	85	123201	20.0	21.1	
76 4,6-Dinitro-2-methylphenol	198	8.175	8.186	-0.011	94	213005	40.0	41.1	
77 N-Nitrosodiphenylamine	169	8.245	8.245	0.000	69	411036	20.0	20.6	
78 1,2-Diphenylhydrazine	77	8.286	8.286	0.000	96	466963	20.0	20.4	
$ 79 2,4,6-Tribromophenol	330	8.369	8.375	-0.006	93	88683	20.0	18.9	
80 4-Bromophenyl phenyl ether	248	8.610	8.616	-0.006	93	160722	20.0	20.6	
81 Hexachlorobenzene	284	8.686	8.686	0.000	97	175471	20.0	20.8	
83 Pentachlorophenol	266	8.875	8.875	0.000	94	214585	40.0	41.5	
84 Pentachloronitrobenzene	237	8.892	8.892	0.000	88	69573	20.0	20.8	
72 n-Octadecane	57	8.945	8.945	0.000	95	241787	20.0	19.8	
* 85 Phenanthrene-d10	188	9.057	9.057	0.000	98	1352954	40.0	40.0	
86 Phenanthrene	178	9.081	9.086	-0.006	96	795469	20.0	20.9	
87 Anthracene	178	9.133	9.133	0.000	99	817261	20.0	20.8	
88 Carbazole	167	9.286	9.286	0.000	95	698931	20.0	21.0	
89 Di-n-butyl phthalate	149	9.622	9.622	0.000	99	846745	20.0	21.1	
90 Fluoranthene	202	10.251	10.257	-0.006	98	814702	20.0	21.2	
91 Benzidine	184	10.380	10.380	0.000	99	551617	20.0	22.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.486	10.486	0.000	98	822439	20.0	20.4	
93 Bisphenol-A	213	10.522	10.527	-0.005	99	322277	20.0	19.8	
$ 94 Terphenyl-d14	244	10.645	10.645	0.000	99	571039	20.0	18.9	
95 Butyl benzyl phthalate	149	11.180	11.186	-0.006	96	350412	20.0	20.3	
97 Carbamazepine	193	11.316	11.321	-0.005	91	308952	20.0	20.0	
98 3,3'-Dichlorobenzidine	252	11.833	11.833	0.000	99	283996	20.0	21.7	
99 Benzo[a]anthracene	228	11.869	11.868	0.001	99	685105	20.0	20.2	
* 100 Chrysene-d12	240	11.886	11.880	0.006	99	1129650	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.898	11.898	0.000	85	503256	20.0	20.2	
101 Chrysene	228	11.916	11.921	-0.005	99	656555	20.0	20.6	
103 Di-n-octyl phthalate	149	12.780	12.786	-0.006	96	834229	20.0	21.0	
104 Benzo[b]fluoranthene	252	13.316	13.321	-0.005	98	614282	20.0	21.0	
105 Benzo[k]fluoranthene	252	13.357	13.362	-0.005	99	684591	20.0	22.3	
106 Benzo[a]pyrene	252	13.774	13.774	0.000	98	583353	20.0	21.0	
* 107 Perylene-d12	264	13.857	13.857	0.000	99	1015635	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.327	15.339	-0.012	98	657903	20.0	21.8	
109 Dibenz(a,h)anthracene	278	15.357	15.368	-0.011	98	553822	20.0	18.0	
110 Benzo[g,h,i]perylene	276	15.709	15.715	-0.006	98	523499	20.0	19.8	
S 117 Total Cresols	1				0			41.7	

Reagents:

SV_IC_BNA_L5_00011 Amount Added: 1.00 Units: mL

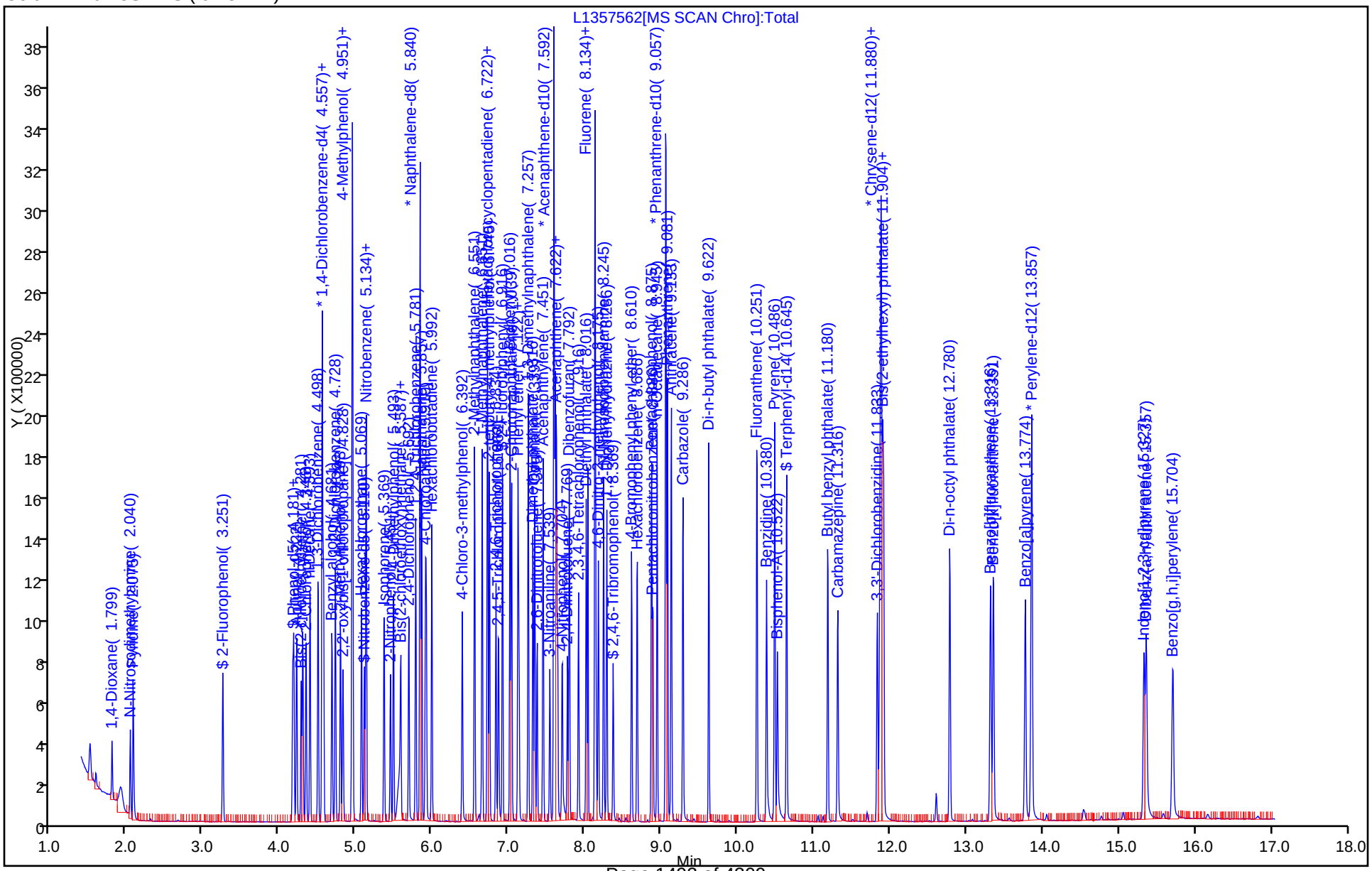
Report Date: 14-Aug-2016 21:56:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357562.D

Injection Date:	12-Aug-2016 13:56:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	STD20			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 14-Aug-2016 21:56:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357563.D
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Aug-2016 14:21:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044409-006
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:25 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: zhaoc Date: 12-Aug-2016 15:07:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.804	1.799	0.005	93	52966	10.0	10.6	
2 N-Nitrosodimethylamine	74	2.045	2.040	0.005	85	76934	10.0	10.4	
3 Pyridine	79	2.081	2.075	0.006	95	134979	10.0	10.3	
$ 4 2-Fluorophenol	112	3.257	3.251	0.006	96	126391	10.0	9.84	
$ 6 Phenol-d5	99	4.169	4.175	-0.006	87	144798	10.0	9.82	
7 Phenol	94	4.181	4.192	-0.011	99	147620	10.0	10.0	
8 Aniline	93	4.222	4.222	0.000	98	193876	10.0	10.3	
9 Bis(2-chloroethyl)ether	93	4.281	4.287	-0.006	99	118820	10.0	10.2	
10 2-Chlorophenol	128	4.345	4.345	0.000	96	145933	10.0	10.5	
11 n-Decane	43	4.398	4.398	0.000	89	128789	10.0	10.3	
12 1,3-Dichlorobenzene	146	4.504	4.504	0.000	97	178112	10.0	10.3	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	95	459656	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.575	4.575	0.000	96	178818	10.0	10.4	
15 Benzyl alcohol	108	4.681	4.687	-0.006	93	79608	10.0	10.0	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	97	167501	10.0	10.3	
17 2-Methylphenol	108	4.792	4.798	-0.006	87	109091	10.0	9.94	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.828	0.000	90	136202	10.0	10.3	
22 Acetophenone	105	4.951	4.957	-0.006	91	169406	10.0	10.0	
19 4-Methylphenol	108	4.951	4.957	-0.006	81	123198	10.0	9.98	
20 3 & 4 Methylphenol	108	4.951	4.957	-0.006	83	123198	10.0	9.98	
21 N-Nitrosodi-n-propylamine	70	4.951	4.963	-0.012	75	82110	10.0	9.92	
25 Hexachloroethane	117	5.069	5.069	0.000	91	65407	10.0	10.6	
$ 26 Nitrobenzene-d5	82	5.110	5.110	0.000	86	130746	10.0	9.69	
27 Nitrobenzene	77	5.128	5.134	-0.006	96	172868	10.0	10.2	
28 n,n'-Dimethylaniline	120	5.134	5.134	0.000	95	211111	10.0	10.4	
29 Isophorone	82	5.363	5.375	-0.012	98	207535	10.0	10.0	
30 2-Nitrophenol	139	5.451	5.451	0.000	94	74688	10.0	10.0	
31 2,4-Dimethylphenol	122	5.486	5.492	-0.006	93	110618	10.0	10.1	
32 Bis(2-chloroethoxy)methane	93	5.586	5.587	-0.001	98	130471	10.0	10.1	
33 Benzoic acid	122	5.551	5.610	-0.059	87	56199	10.0	10.4	
34 2,4-Dichlorophenol	162	5.692	5.692	0.000	96	114778	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	93	149651	10.0	10.6	
* 36 Naphthalene-d8	136	5.839	5.840	-0.001	99	1539863	40.0	40.0	
37 Naphthalene	128	5.857	5.863	-0.006	100	385372	10.0	10.3	
38 4-Chloroaniline	127	5.910	5.910	0.000	98	152146	10.0	9.98	
39 Hexachlorobutadiene	225	5.992	5.992	0.000	95	79804	10.0	10.6	
41 4-Chloro-3-methylphenol	107	6.392	6.392	0.000	93	87745	10.0	9.68	
42 2-Methylnaphthalene	142	6.551	6.551	0.000	86	262989	10.0	10.1	
43 1-Methylnaphthalene	142	6.651	6.651	0.000	92	240991	10.0	9.87	
44 Hexachlorocyclopentadiene	237	6.722	6.722	0.000	97	91805	10.0	11.0	
45 1,2,4,5-Tetrachlorobenzene	216	6.722	6.728	-0.006	97	129861	10.0	11.0	
46 2-tertbutyl-4-methylphenol	149	6.745	6.751	-0.006	94	184644	10.0	9.97	
48 2,4,6-Trichlorophenol	196	6.833	6.833	0.000	94	79249	10.0	10.3	
49 2,4,5-Trichlorophenol	196	6.869	6.869	0.000	97	83877	10.0	10.5	M
$ 50 2-Fluorobiphenyl	172	6.916	6.922	-0.006	97	300315	10.0	10.0	
51 1,1'-Biphenyl	154	7.016	7.022	-0.006	95	320293	10.0	10.3	
52 2-Chloronaphthalene	162	7.039	7.039	0.000	99	258661	10.0	10.7	
53 Phenyl ether	170	7.122	7.122	0.000	86	178349	10.0	10.6	
54 2-Nitroaniline	65	7.133	7.139	-0.006	94	69329	10.0	10.3	
55 1,3-Dimethylnaphthalene	156	7.257	7.257	0.000	94	210808	10.0	10.4	
58 Dimethyl phthalate	163	7.316	7.322	-0.006	99	261301	10.0	10.3	
59 Coumarin	146	7.339	7.345	-0.006	80	83375	10.0	9.85	
60 2,6-Dinitrotoluene	165	7.375	7.381	-0.006	94	61170	10.0	10.4	
61 Acenaphthylene	152	7.451	7.451	0.000	97	373248	10.0	10.5	
62 3-Nitroaniline	138	7.539	7.545	-0.006	95	57923	10.0	9.80	
* 63 Acenaphthene-d10	164	7.592	7.592	0.000	93	826628	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	96	234595	10.0	10.7	
65 Acenaphthene	154	7.622	7.628	-0.006	94	253849	10.0	10.7	
66 2,4-Dinitrophenol	184	7.639	7.645	-0.006	58	64668	20.0	19.0	
67 4-Nitrophenol	65	7.698	7.710	-0.012	87	58491	20.0	20.4	
68 2,4-Dinitrotoluene	165	7.769	7.775	-0.006	97	77714	10.0	10.1	
69 Dibenzofuran	168	7.792	7.798	-0.006	96	351823	10.0	10.4	
70 2,3,4,6-Tetrachlorophenol	232	7.916	7.916	0.000	96	63188	10.0	9.83	
71 Diethyl phthalate	149	8.016	8.022	-0.006	98	247511	10.0	10.1	
74 Fluorene	166	8.133	8.133	0.000	95	280922	10.0	10.3	
73 4-Chlorophenyl phenyl ethe	204	8.127	8.133	-0.006	94	132864	10.0	10.6	
75 4-Nitroaniline	138	8.139	8.157	-0.018	84	59809	10.0	10.3	
76 4,6-Dinitro-2-methylphenol	198	8.175	8.186	-0.012	94	93577	20.0	19.9	
77 N-Nitrosodiphenylamine	169	8.245	8.245	0.000	68	197521	10.0	10.4	
78 1,2-Diphenylhydrazine	77	8.286	8.286	0.000	96	228224	10.0	10.5	
$ 79 2,4,6-Tribromophenol	330	8.369	8.375	-0.006	92	43833	10.0	9.53	
80 4-Bromophenyl phenyl ether	248	8.610	8.616	-0.006	93	76754	10.0	10.4	
81 Hexachlorobenzene	284	8.686	8.686	0.000	96	84937	10.0	10.6	
83 Pentachlorophenol	266	8.874	8.875	-0.001	94	96401	20.0	20.3	
84 Pentachloronitrobenzene	237	8.892	8.892	0.000	89	33339	10.0	10.5	
72 n-Octadecane	57	8.945	8.945	0.000	95	116225	10.0	10.0	
* 85 Phenanthrene-d10	188	9.057	9.057	0.000	98	1286162	40.0	40.0	
86 Phenanthrene	178	9.080	9.086	-0.006	97	379961	10.0	10.5	
87 Anthracene	178	9.133	9.133	0.000	99	393618	10.0	10.5	
88 Carbazole	167	9.286	9.286	0.000	96	326075	10.0	10.3	
89 Di-n-butyl phthalate	149	9.621	9.622	-0.001	99	388915	10.0	10.2	
90 Fluoranthene	202	10.251	10.257	-0.006	98	375382	10.0	10.3	
91 Benzidine	184	10.380	10.380	0.000	99	217580	10.0	9.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.486	10.486	0.000	98	373556	10.0	10.6	
93 Bisphenol-A	213	10.521	10.527	-0.006	99	135211	10.0	9.54	
$ 94 Terphenyl-d14	244	10.645	10.645	0.000	99	262683	10.0	9.99	
95 Butyl benzyl phthalate	149	11.180	11.186	-0.006	96	151468	10.0	10.0	
97 Carbamazepine	193	11.310	11.321	-0.011	92	131166	10.0	9.73	
98 3,3'-Dichlorobenzidine	252	11.833	11.833	0.000	99	109879	10.0	9.64	
99 Benzo[a]anthracene	228	11.868	11.868	0.000	98	300265	10.0	10.2	
* 100 Chrysene-d12	240	11.880	11.880	0.000	99	985810	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.898	11.898	0.000	87	220840	10.0	10.1	
101 Chrysene	228	11.910	11.921	-0.011	99	292519	10.0	10.5	
103 Di-n-octyl phthalate	149	12.780	12.786	-0.006	96	356644	10.0	10.5	
104 Benzo[b]fluoranthene	252	13.315	13.321	-0.006	98	263580	10.0	10.5	
105 Benzo[k]fluoranthene	252	13.351	13.362	-0.011	99	283773	10.0	10.8	
106 Benzo[a]pyrene	252	13.768	13.774	-0.006	98	250867	10.0	10.6	
* 107 Perylene-d12	264	13.856	13.857	-0.001	99	869639	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.327	15.339	-0.012	99	288394	10.0	11.1	
109 Dibenz(a,h)anthracene	278	15.356	15.368	-0.012	96	236272	10.0	8.89	
110 Benzo[g,h,i]perylene	276	15.703	15.715	-0.012	98	228349	10.0	10.1	
S 117 Total Cresols	1				0			19.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L4_00011 Amount Added: 1.00 Units: mL

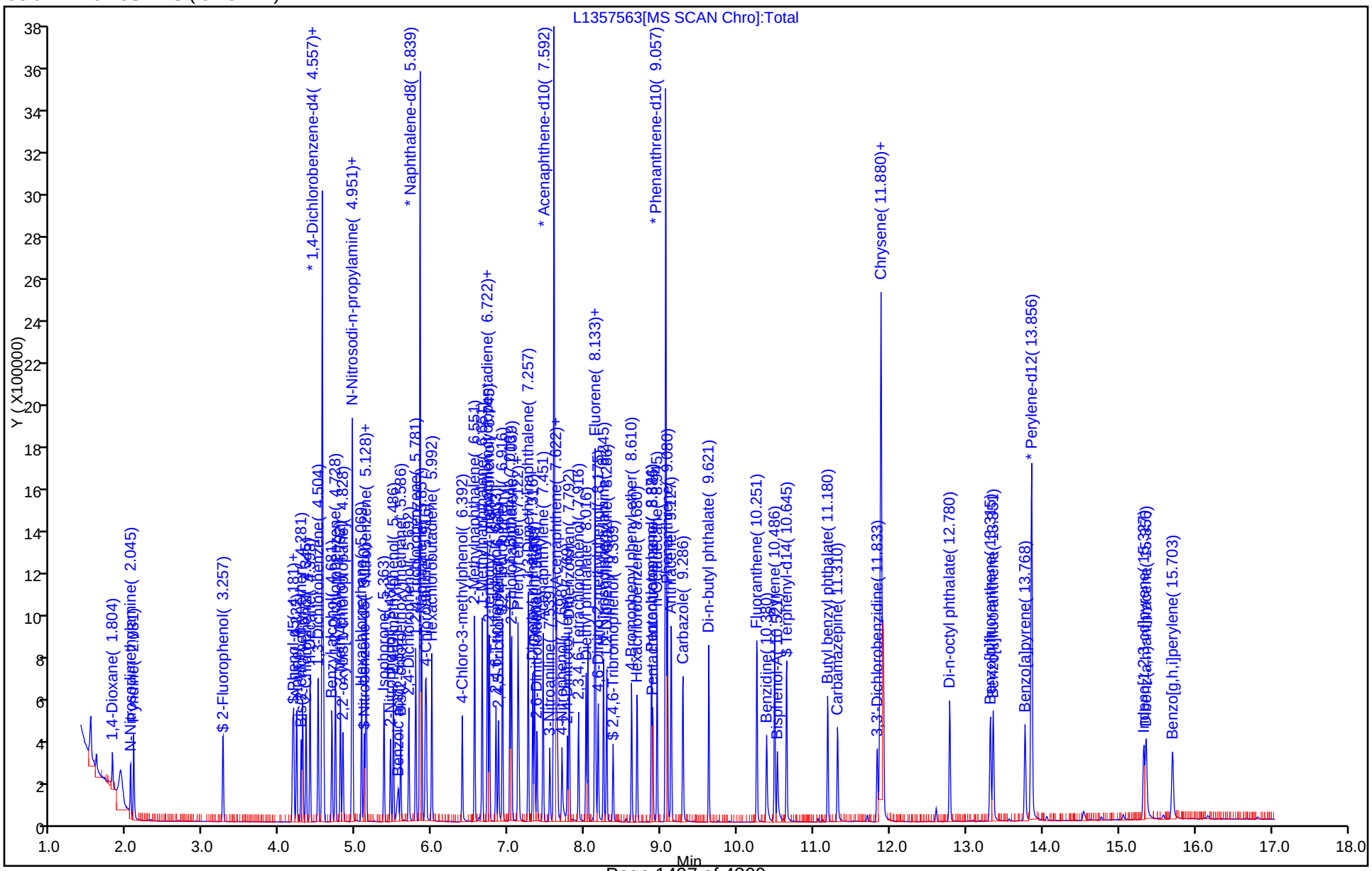
Report Date: 14-Aug-2016 21:56:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357563.D

Injection Date:	12-Aug-2016 14:21:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	STD10			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

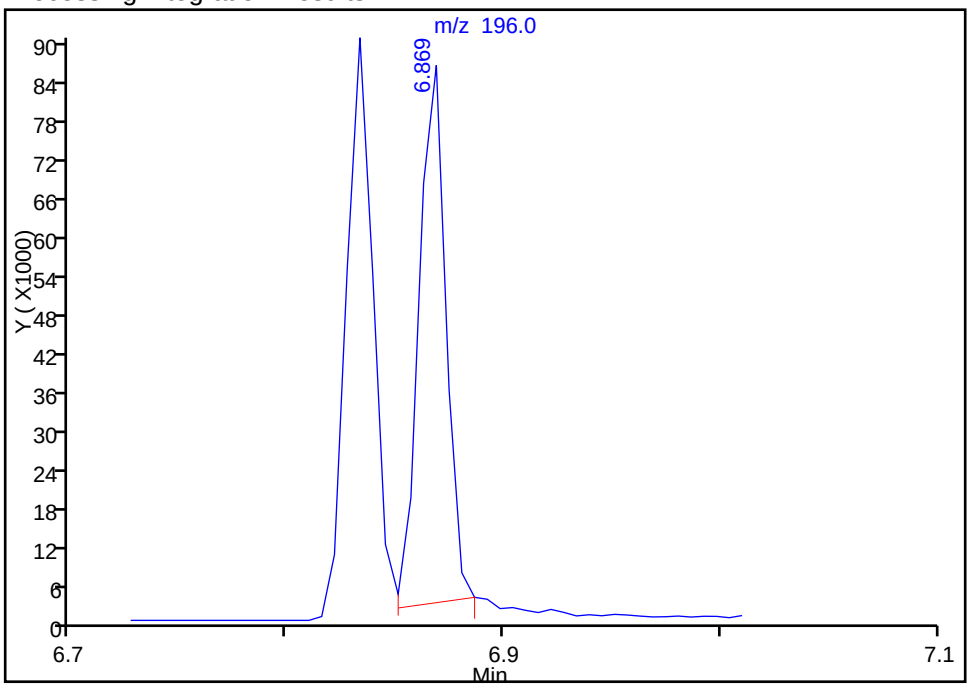
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357563.D				
Injection Date:	12-Aug-2016 14:21:30	Instrument ID:	CBNAMS12		
Lims ID:	STD10				
Client ID:					
Operator ID:	BNA 12	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

49 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

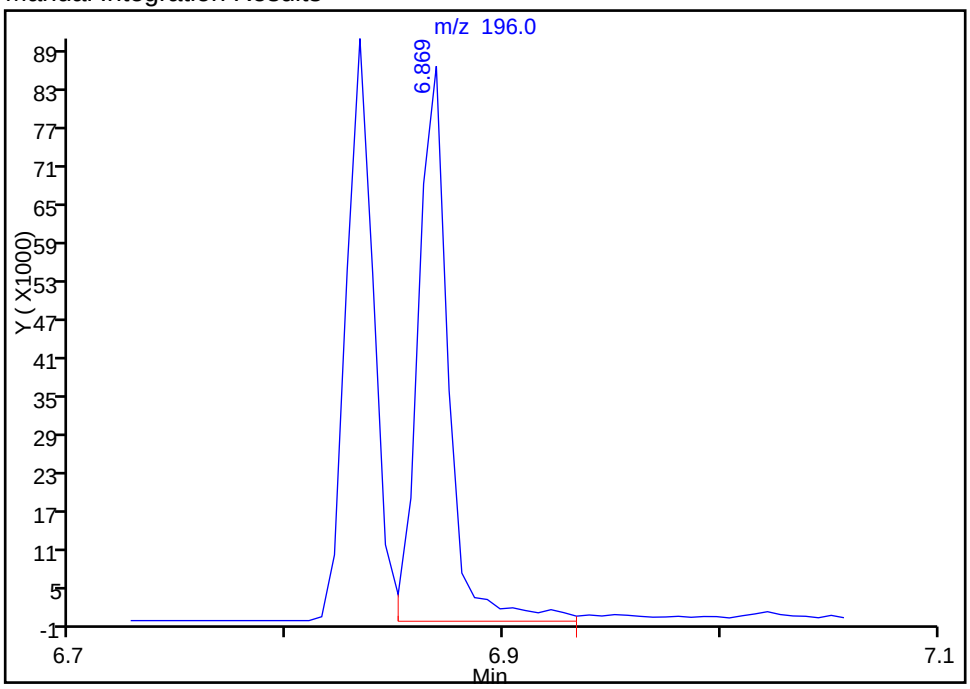
Processing Integration Results

RT: 6.87
Area: 71871
Amount: 9.415489
Amount Units: ug/ml



Manual Integration Results

RT: 6.87
Area: 83877
Amount: 10.469683
Amount Units: ug/ml



Reviewer: boykinc, 12-Aug-2016 17:40:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357564.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Aug-2016 14:46:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044409-007
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:19 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: zhaoc Date: 12-Aug-2016 15:07:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.804	1.799	0.005	93	21124	5.00	4.64	
2 N-Nitrosodimethylamine	74	2.046	2.040	0.006	81	32150	5.00	4.76	
3 Pyridine	79	2.087	2.075	0.012	96	58425	5.00	4.87	
$ 4 2-Fluorophenol	112	3.257	3.251	0.006	96	59291	5.00	5.06	
$ 6 Phenol-d5	99	4.169	4.175	-0.006	92	68666	5.00	5.10	
7 Phenol	94	4.181	4.192	-0.011	99	63423	5.00	4.72	
8 Aniline	93	4.222	4.222	0.000	98	83715	5.00	4.85	
9 Bis(2-chloroethyl)ether	93	4.281	4.287	-0.006	99	50848	5.00	4.76	
10 2-Chlorophenol	128	4.345	4.345	0.000	96	59940	5.00	4.70	
11 n-Decane	43	4.392	4.398	-0.006	90	55634	5.00	4.88	
12 1,3-Dichlorobenzene	146	4.498	4.504	-0.006	98	77044	5.00	4.90	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	94	419707	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.575	4.575	0.000	84	75137	5.00	4.77	
15 Benzyl alcohol	108	4.681	4.687	-0.006	94	33884	5.00	4.67	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	97	70557	5.00	4.77	
17 2-Methylphenol	108	4.792	4.798	-0.006	87	47163	5.00	4.71	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.828	0.000	89	59869	5.00	4.94	
22 Acetophenone	105	4.951	4.957	-0.006	91	75414	5.00	4.87	
19 4-Methylphenol	108	4.945	4.957	-0.012	91	51309	5.00	4.55	
20 3 & 4 Methylphenol	108	4.945	4.957	-0.012	88	51309	5.00	4.55	
21 N-Nitrosodi-n-propylamine	70	4.951	4.963	-0.012	88	37416	5.00	4.95	
25 Hexachloroethane	117	5.069	5.069	0.000	90	27347	5.00	4.84	
$ 26 Nitrobenzene-d5	82	5.104	5.110	-0.006	86	63383	5.00	5.06	
27 Nitrobenzene	77	5.128	5.134	-0.006	96	76266	5.00	4.83	
28 n,n'-Dimethylaniline	120	5.134	5.134	0.000	93	91464	5.00	4.96	
29 Isophorone	82	5.363	5.375	-0.012	99	94381	5.00	4.90	
30 2-Nitrophenol	139	5.451	5.451	0.000	94	31786	5.00	4.60	
31 2,4-Dimethylphenol	122	5.486	5.492	-0.006	93	46423	5.00	4.55	
32 Bis(2-chloroethoxy)methane	93	5.581	5.587	-0.006	98	57773	5.00	4.83	
33 Benzoic acid	122	5.534	5.610	-0.076	89	12662	5.00	4.97	
34 2,4-Dichlorophenol	162	5.692	5.692	0.000	96	48250	5.00	4.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	93	64271	5.00	4.88	
* 36 Naphthalene-d8	136	5.839	5.840	-0.001	99	1429990	40.0	40.0	
37 Naphthalene	128	5.857	5.863	-0.006	99	165334	5.00	4.75	
38 4-Chloroaniline	127	5.910	5.910	0.000	98	63090	5.00	4.46	
39 Hexachlorobutadiene	225	5.992	5.992	0.000	95	35121	5.00	5.02	
41 4-Chloro-3-methylphenol	107	6.392	6.392	0.000	92	34904	5.00	4.15	
42 2-Methylnaphthalene	142	6.551	6.551	0.000	86	113622	5.00	4.68	
43 1-Methylnaphthalene	142	6.651	6.651	0.000	93	107902	5.00	4.76	
44 Hexachlorocyclopentadiene	237	6.722	6.722	0.000	96	37568	5.00	4.63	
45 1,2,4,5-Tetrachlorobenzene	216	6.722	6.728	-0.006	98	56353	5.00	4.90	
46 2-tertbutyl-4-methylphenol	149	6.745	6.751	-0.006	94	81628	5.00	4.75	
48 2,4,6-Trichlorophenol	196	6.833	6.833	0.000	92	34612	5.00	4.64	
49 2,4,5-Trichlorophenol	196	6.869	6.869	0.000	98	34051	5.00	4.36	M
$ 50 2-Fluorobiphenyl	172	6.916	6.922	-0.006	97	147179	5.00	5.05	
51 1,1'-Biphenyl	154	7.016	7.022	-0.006	94	145332	5.00	4.82	
52 2-Chloronaphthalene	162	7.039	7.039	0.000	98	113678	5.00	4.83	
53 Phenyl ether	170	7.122	7.122	0.000	86	79864	5.00	4.85	
54 2-Nitroaniline	65	7.133	7.139	-0.006	93	31260	5.00	4.76	
55 1,3-Dimethylnaphthalene	156	7.257	7.257	0.000	94	95818	5.00	4.85	
58 Dimethyl phthalate	163	7.316	7.322	-0.006	99	117387	5.00	4.76	
59 Coumarin	146	7.339	7.345	-0.006	76	36001	5.00	4.58	
60 2,6-Dinitrotoluene	165	7.369	7.381	-0.012	96	26673	5.00	4.66	
61 Acenaphthylene	152	7.451	7.451	0.000	98	165702	5.00	4.77	
62 3-Nitroaniline	138	7.539	7.545	-0.006	96	26904	5.00	4.67	
* 63 Acenaphthene-d10	164	7.592	7.592	0.000	92	805067	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	95	106871	5.00	4.99	
65 Acenaphthene	154	7.622	7.628	-0.006	93	113973	5.00	4.93	
66 2,4-Dinitrophenol	184	7.639	7.645	-0.006	52	22502	10.0	8.43	
67 4-Nitrophenol	65	7.698	7.710	-0.012	89	20648	10.0	9.89	
68 2,4-Dinitrotoluene	165	7.769	7.775	-0.006	97	34333	5.00	4.70	
69 Dibenzofuran	168	7.792	7.798	-0.006	96	159256	5.00	4.82	
70 2,3,4,6-Tetrachlorophenol	232	7.916	7.916	0.000	95	28343	5.00	4.53	
71 Diethyl phthalate	149	8.010	8.022	-0.012	98	112692	5.00	4.71	
74 Fluorene	166	8.133	8.133	0.000	95	128289	5.00	4.85	
73 4-Chlorophenyl phenyl ethe	204	8.128	8.133	-0.006	92	58698	5.00	4.82	
75 4-Nitroaniline	138	8.139	8.157	-0.018	84	25465	5.00	4.51	
76 4,6-Dinitro-2-methylphenol	198	8.175	8.186	-0.011	93	38473	10.0	9.26	
77 N-Nitrosodiphenylamine	169	8.245	8.245	0.000	68	88116	5.00	4.68	
78 1,2-Diphenylhydrazine	77	8.286	8.286	0.000	96	104915	5.00	4.86	
$ 79 2,4,6-Tribromophenol	330	8.369	8.375	-0.006	92	21142	5.00	4.83	
80 4-Bromophenyl phenyl ether	248	8.610	8.616	-0.006	92	34371	5.00	4.68	
81 Hexachlorobenzene	284	8.680	8.686	-0.006	97	37332	5.00	4.70	
83 Pentachlorophenol	266	8.875	8.875	-0.001	94	39000	10.0	9.12	
84 Pentachloronitrobenzene	237	8.886	8.892	-0.006	86	14468	5.00	4.60	
72 n-Octadecane	57	8.945	8.945	0.000	95	53121	5.00	4.63	
* 85 Phenanthrene-d10	188	9.057	9.057	0.000	98	1274731	40.0	40.0	
86 Phenanthrene	178	9.080	9.086	-0.006	96	172359	5.00	4.81	
87 Anthracene	178	9.127	9.133	-0.006	99	178936	5.00	4.83	
88 Carbazole	167	9.286	9.286	0.000	96	146076	5.00	4.67	
89 Di-n-butyl phthalate	149	9.622	9.622	0.000	99	176990	5.00	4.68	
90 Fluoranthene	202	10.251	10.257	-0.006	98	173735	5.00	4.80	
91 Benzidine	184	10.380	10.380	0.000	99	104270	5.00	4.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.486	10.486	0.000	98	175146	5.00	4.83	
93 Bisphenol-A	213	10.521	10.527	-0.006	99	71886	5.00	4.93	
$ 94 Terphenyl-d14	244	10.645	10.645	0.000	99	136272	5.00	5.04	
95 Butyl benzyl phthalate	149	11.180	11.186	-0.006	96	70209	5.00	4.53	
97 Carbamazepine	193	11.310	11.321	-0.011	91	63982	5.00	4.62	
98 3,3'-Dichlorobenzidine	252	11.833	11.833	0.000	99	55015	5.00	4.69	
99 Benzo[a]anthracene	228	11.863	11.868	-0.005	98	141696	5.00	4.66	
* 100 Chrysene-d12	240	11.880	11.880	0.000	99	1014171	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.898	11.898	0.000	86	103874	5.00	4.64	
101 Chrysene	228	11.910	11.921	-0.011	99	141046	5.00	4.92	
103 Di-n-octyl phthalate	149	12.780	12.786	-0.006	96	165712	5.00	4.66	
104 Benzo[b]fluoranthene	252	13.315	13.321	-0.006	98	124080	5.00	4.74	
105 Benzo[k]fluoranthene	252	13.351	13.362	-0.011	99	131456	5.00	4.79	
106 Benzo[a]pyrene	252	13.768	13.774	-0.006	98	118084	5.00	4.76	
* 107 Perylene-d12	264	13.857	13.857	0.000	99	908728	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.327	15.339	-0.012	99	133095	5.00	4.92	
109 Dibenz(a,h)anthracene	278	15.356	15.368	-0.012	96	110971	5.00	3.98	
110 Benzo[g,h,i]perylene	276	15.698	15.715	-0.017	98	106160	5.00	4.48	
S 117 Total Cresols	1				0			9.26	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L3_00013 Amount Added: 1.00 Units: mL

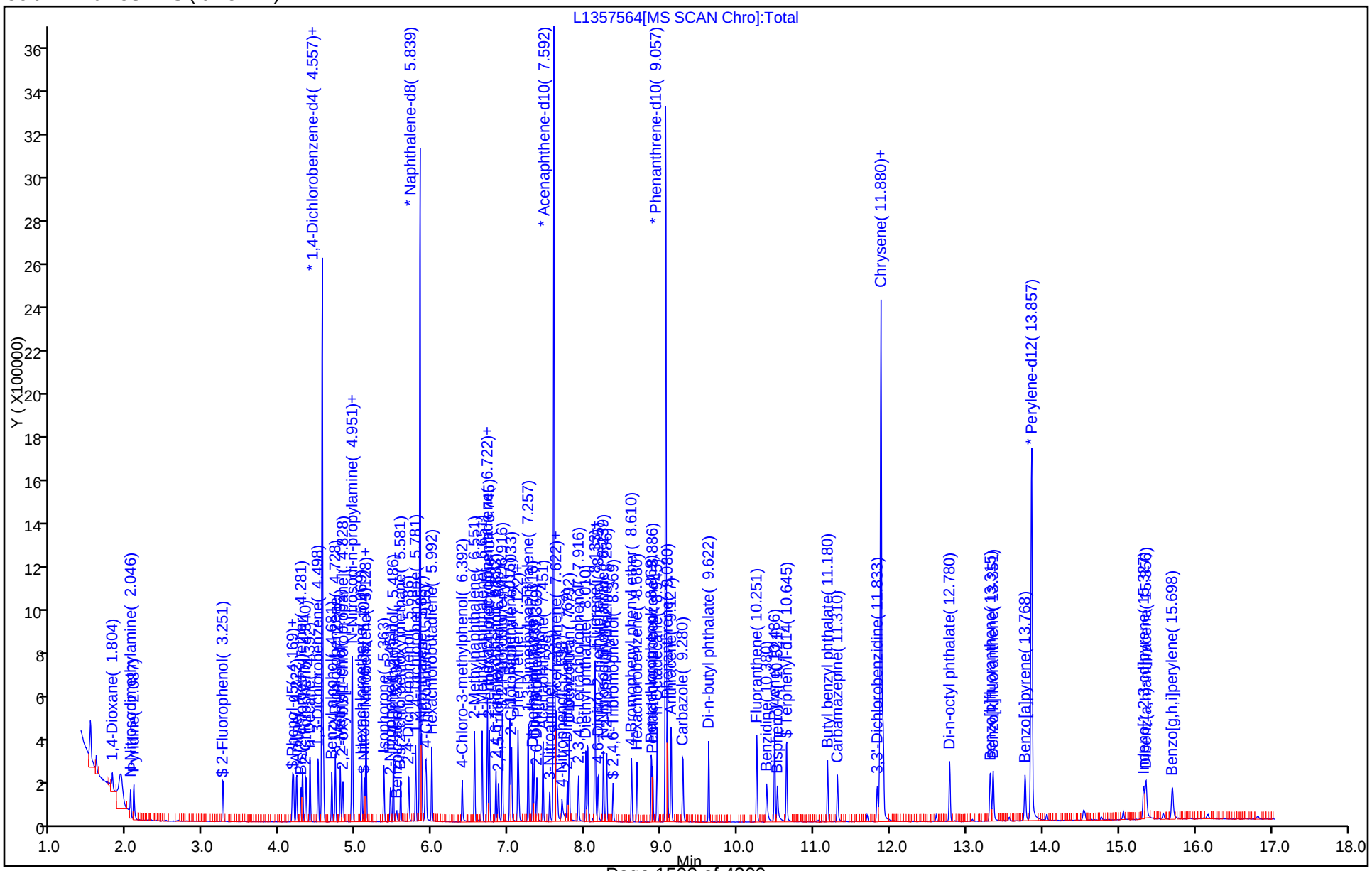
Report Date: 14-Aug-2016 21:56:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357564.D

Injection Date:	12-Aug-2016 14:46:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	STD5			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

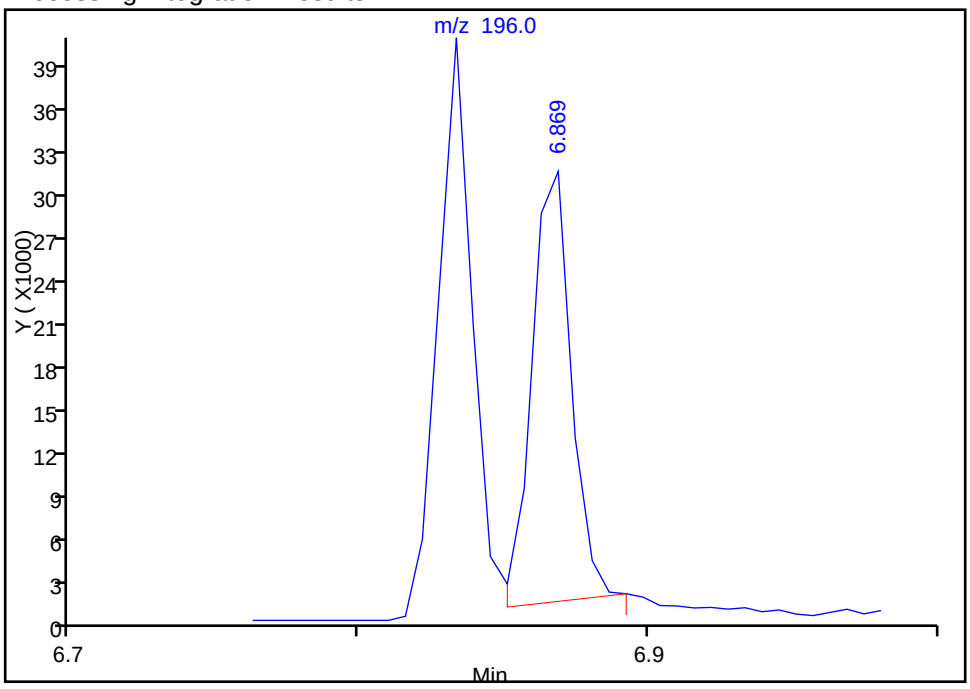
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357564.D				
Injection Date:	12-Aug-2016 14:46:30	Instrument ID:	CBNAMS12		
Lims ID:	STD5				
Client ID:					
Operator ID:	BNA 12	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

49 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

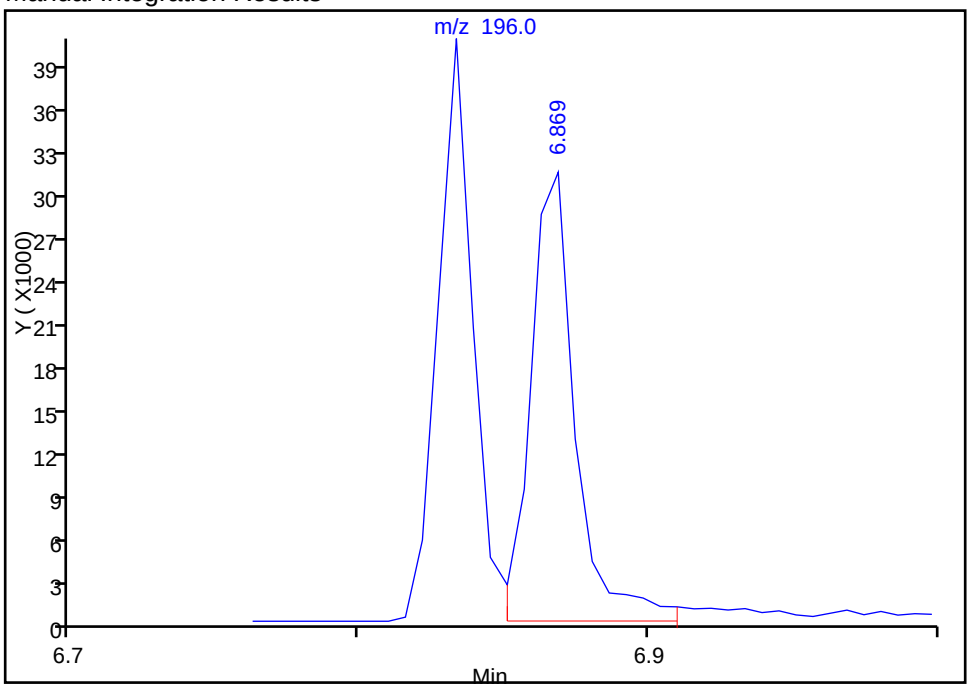
Processing Integration Results

RT: 6.87
Area: 28849
Amount: 3.781464
Amount Units: ug/ml



Manual Integration Results

RT: 6.87
Area: 34051
Amount: 4.364139
Amount Units: ug/ml



Reviewer: boykinc, 12-Aug-2016 17:42:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357565.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Aug-2016 15:11:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044409-008
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:15 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: zhaoc Date: 12-Aug-2016 15:47:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.257	3.251	0.006	96	25079	2.00	1.97	
$ 6 Phenol-d5	99	4.169	4.175	-0.006	93	29156	2.00	1.99	
9 Bis(2-chloroethyl)ether	93	4.281	4.287	-0.006	99	22888	2.00	1.97	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	95	456154	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.951	4.963	-0.012	89	16097	2.00	1.96	
25 Hexachloroethane	117	5.069	5.069	0.000	90	12235	2.00	1.99	
$ 26 Nitrobenzene-d5	82	5.104	5.110	-0.006	87	27606	2.00	2.06	
27 Nitrobenzene	77	5.128	5.134	-0.006	95	31890	2.00	1.89	
28 n,n'-Dimethylaniline	120	5.134	5.134	0.000	94	39393	2.00	1.96	
29 Isophorone	82	5.363	5.375	-0.012	98	40811	2.00	1.98	
34 2,4-Dichlorophenol	162	5.692	5.692	0.000	96	18840	2.00	1.68	
35 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	93	27374	2.00	1.94	
* 36 Naphthalene-d8	136	5.840	5.840	0.000	99	1529539	40.0	40.0	
39 Hexachlorobutadiene	225	5.992	5.992	0.000	94	14604	2.00	1.95	
48 2,4,6-Trichlorophenol	196	6.834	6.833	0.001	92	13376	2.00	1.73	
$ 50 2-Fluorobiphenyl	172	6.916	6.922	-0.006	97	63206	2.00	2.09	
60 2,6-Dinitrotoluene	165	7.369	7.381	-0.012	95	11361	2.00	1.91	
* 63 Acenaphthene-d10	164	7.592	7.592	0.000	93	835353	40.0	40.0	
66 2,4-Dinitrophenol	184	7.639	7.645	-0.006	21	6373	4.00	4.12	
68 2,4-Dinitrotoluene	165	7.769	7.775	-0.006	96	13270	2.00	1.89	
76 4,6-Dinitro-2-methylphenol	198	8.175	8.186	-0.011	92	12505	4.00	4.22	
$ 79 2,4,6-Tribromophenol	330	8.369	8.375	-0.006	92	8041	2.00	1.92	
81 Hexachlorobenzene	284	8.681	8.686	-0.006	96	15514	2.00	1.97	
83 Pentachlorophenol	266	8.875	8.875	0.000	94	13686	4.00	4.11	
* 85 Phenanthrene-d10	188	9.057	9.057	0.000	98	1266647	40.0	40.0	
$ 94 Terphenyl-d14	244	10.645	10.645	0.000	99	48374	2.00	2.13	
98 3,3'-Dichlorobenzidine	252	11.833	11.833	0.000	97	16538	2.00	1.68	
99 Benzo[a]anthracene	228	11.863	11.868	-0.005	98	48710	2.00	1.91	
* 100 Chrysene-d12	240	11.880	11.880	0.000	99	850752	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.310	13.321	-0.011	98	40387	2.00	1.92	
105 Benzo[k]fluoranthene	252	13.351	13.362	-0.011	99	42357	2.00	1.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Benzo[a]pyrene	252	13.768	13.774	-0.006	97	38610	2.00	1.93	
* 107 Perylene-d12	264	13.851	13.857	-0.006	99	731826	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.321	15.339	-0.018	99	43446	2.00	1.99	
109 Dibenz(a,h)anthracene	278	15.357	15.368	-0.011	95	37552	2.00	1.67	
110 Benzo[g,h,i]perylene	276	15.704	15.715	-0.011	98	36021	2.00	1.89	

Reagents:

SV_IC_BNA_L0_00009 Amount Added: 1.00 Units: mL

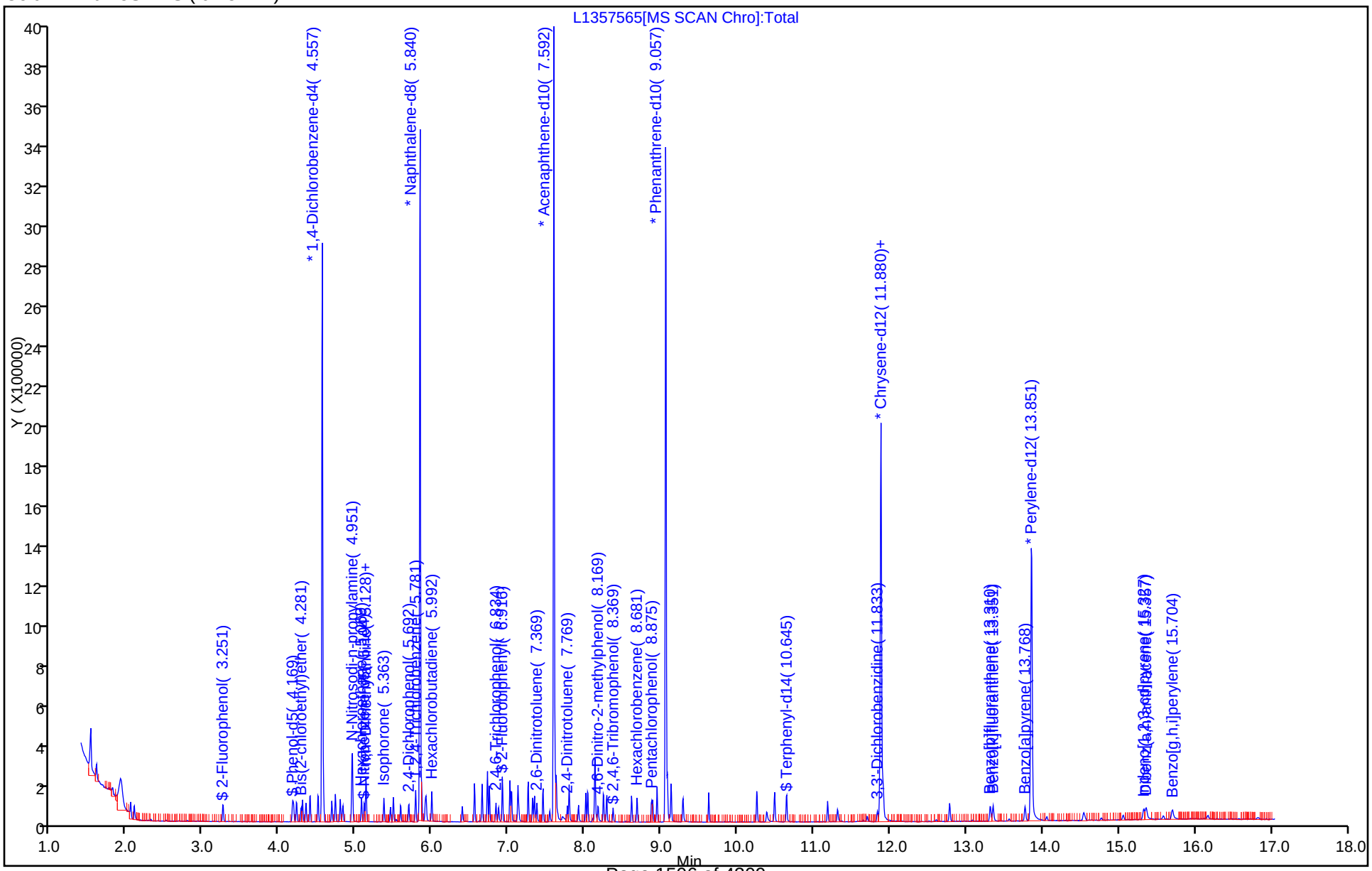
Report Date: 14-Aug-2016 21:56:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357565.D

Injection Date:	12-Aug-2016 15:11:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	STD2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 14-Aug-2016 21:56:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357566.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Aug-2016 15:36:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044409-009
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:09 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: boykinc Date: 12-Aug-2016 16:59:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.257	3.251	0.006	95	11635	1.00	1.03	
$ 6 Phenol-d5	99	4.169	4.175	-0.006	88	12136	1.00	0.9365	
9 Bis(2-chloroethyl)ether	93	4.281	4.287	-0.006	99	9843	1.00	0.9563	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	95	404165	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.951	4.963	-0.012	72	7066	1.00	0.9705	
25 Hexachloroethane	117	5.069	5.069	0.000	89	4997	1.00	0.9192	
$ 26 Nitrobenzene-d5	82	5.110	5.110	0.000	86	11778	1.00	1.00	
27 Nitrobenzene	77	5.128	5.134	-0.006	95	14424	1.00	0.9685	
28 n,n'-Dimethylaniline	120	5.134	5.134	0.000	94	17233	1.00	0.9699	
35 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	94	11119	1.00	0.8958	
* 36 Naphthalene-d8	136	5.840	5.840	0.000	99	1348829	40.0	40.0	
39 Hexachlorobutadiene	225	5.993	5.992	0.001	93	5699	1.00	0.8638	
$ 50 2-Fluorobiphenyl	172	6.916	6.922	-0.006	97	26754	1.00	1.01	
60 2,6-Dinitrotoluene	165	7.369	7.381	-0.012	94	4764	1.00	0.9164	
* 63 Acenaphthene-d10	164	7.592	7.592	0.000	93	730872	40.0	40.0	
68 2,4-Dinitrotoluene	165	7.769	7.775	-0.006	96	5697	1.00	1.04	
$ 79 2,4,6-Tribromophenol	330	8.369	8.375	-0.006	91	3352	1.00	1.03	
81 Hexachlorobenzene	284	8.686	8.686	0.000	96	6652	1.00	0.9447	
* 85 Phenanthrene-d10	188	9.057	9.057	0.000	98	1130117	40.0	40.0	
$ 94 Terphenyl-d14	244	10.645	10.645	0.000	99	22481	1.00	0.9555	
99 Benzo[a]anthracene	228	11.863	11.868	-0.005	97	25375	1.00	0.9589	
* 100 Chrysene-d12	240	11.880	11.880	0.000	99	881972	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.316	13.321	-0.005	96	19393	1.00	0.8330	
105 Benzo[k]fluoranthene	252	13.351	13.362	-0.011	98	22626	1.00	0.9268	
106 Benzo[a]pyrene	252	13.768	13.774	-0.006	98	19695	1.00	0.8927	
* 107 Perylene-d12	264	13.857	13.857	0.000	99	808364	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.327	15.339	-0.012	98	22331	1.00	0.9282	
109 Dibenz(a,h)anthracene	278	15.357	15.368	-0.011	94	18451	1.00	0.7409	

Reagents:

SV_IC_BNA_L2_00011 Amount Added: 1.00 Units: mL

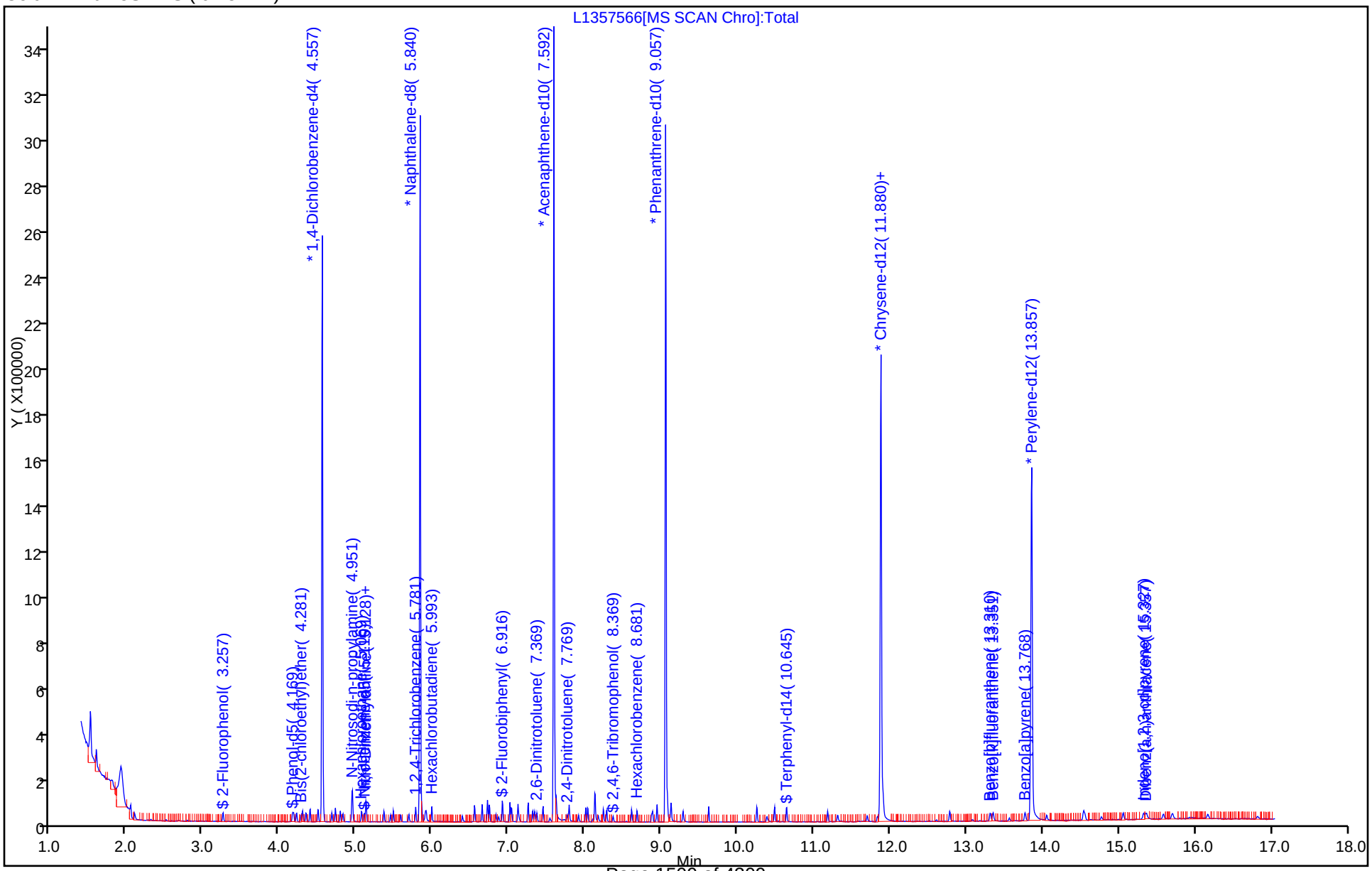
Report Date: 14-Aug-2016 21:56:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357566.D

Injection Date:	12-Aug-2016 15:36:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	STD1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Aug-2016 16:00:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044409-010
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:04 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: boykinc Date: 12-Aug-2016 17:00:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.281	4.287	-0.006	98	6262	0.5000	0.5648	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.557	0.000	95	435372	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.951	4.963	-0.012	85	4699	0.5000	0.5992	
25 Hexachloroethane	117	5.069	5.069	0.000	90	3100	0.5000	0.5294	
$ 26 Nitrobenzene-d5	82	5.110	5.110	0.000	88	7460	0.5000	0.5494	
27 Nitrobenzene	77	5.128	5.134	-0.006	96	9175	0.5000	0.5360	
28 n,n'-Dimethylaniline	120	5.134	5.134	0.000	92	9705	0.5000	0.5071	
35 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	92	7349	0.5000	0.5151	
* 36 Naphthalene-d8	136	5.839	5.840	-0.001	99	1550316	40.0	40.0	
$ 50 2-Fluorobiphenyl	172	6.916	6.922	-0.006	97	16411	0.5000	0.5085	
* 63 Acenaphthene-d10	164	7.592	7.592	0.000	93	892440	40.0	40.0	
81 Hexachlorobenzene	284	8.680	8.686	-0.006	94	4246	0.5000	0.4837	
* 85 Phenanthrene-d10	188	9.057	9.057	0.000	98	1408910	40.0	40.0	
$ 94 Terphenyl-d14	244	10.645	10.645	0.000	99	15362	0.5000	0.5344	
99 Benzo[a]anthracene	228	11.868	11.868	0.000	97	18406	0.5000	0.5692	
* 100 Chrysene-d12	240	11.880	11.880	0.000	99	1077675	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.315	13.321	-0.006	97	13360	0.5000	0.4991	
105 Benzo[k]fluoranthene	252	13.351	13.362	-0.011	99	14018	0.5000	0.4993	
106 Benzo[a]pyrene	252	13.768	13.774	-0.006	94	12358	0.5000	0.4871	
* 107 Perylene-d12	264	13.857	13.857	0.000	98	929544	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.327	15.339	-0.012	99	13159	0.5000	0.4757	
109 Dibenz(a,h)anthracene	278	15.357	15.368	-0.012	95	10834	0.5000	0.3782	

Reagents:

SV_IC_BNA_L1_00012 Amount Added: 1.00 Units: mL

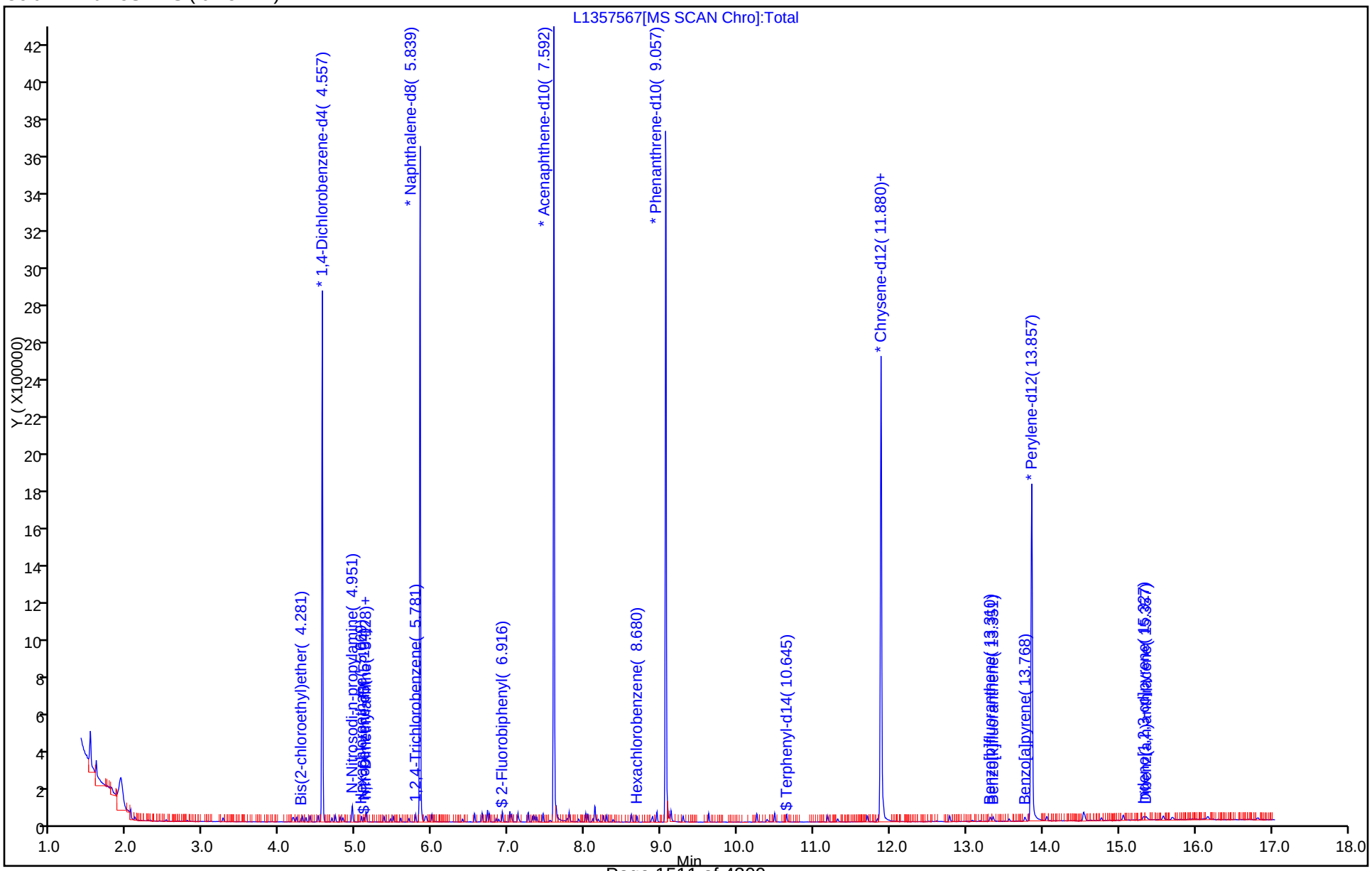
Report Date: 14-Aug-2016 21:56:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Injection Date:	12-Aug-2016 16:00:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	STD05			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-386065/10	x17313.D
Level 2	STD1 460-386065/9	x17312.D
Level 3	STD2 460-386065/8	x17311.D
Level 4	STD5 460-386065/7	x17310.D
Level 5	STD10 460-386065/6	x17309.D
Level 6	STD20 460-386065/5	x17308.D
Level 7	ICIS 460-386065/2	x17305.D
Level 8	STD80 460-386065/4	x17307.D
Level 9	STD120 460-386065/3	x17306.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.6255	0.6400	0.6143	0.5831 0.6336	0.6361	Ave		0.6221				3.4		20.0			
N-Nitrosodimethylamine	0.8476	0.8743	0.8384	0.7789 0.8698	0.8620	Ave		0.8452				4.2		20.0			
Pyridine	1.5084	1.5206	1.4694	1.3927 1.5264	1.5394	Ave		1.4928				3.7		20.0			
Phenol	1.5690	1.6507	1.6095	1.4003 1.6526	1.5492	Ave		1.5719			0.8000	6.0		20.0			
Aniline	2.0115	2.0730	2.0105	1.8900 2.0369	2.0650	Ave		2.0145				3.3		20.0			
Bis(2-chloroethyl)ether	1.3027 1.2709	1.1503 1.2779	1.2571 1.2471	1.2093 1.3477	1.2832	Ave		1.2607			0.7000	4.5		20.0			
2-Chlorophenol	1.3971	1.3957	1.3481	1.2991 1.3449	1.3908	Ave		1.3626			0.8000	2.9		20.0			
n-Decane	1.4957	1.5185	1.4064	1.4598 1.4093	1.5917	Ave		1.4802				4.8		20.0			
1,3-Dichlorobenzene	1.6155	1.5807	1.5438	1.5026 1.5030	1.6135	Ave		1.5599				3.3		20.0			
1,4-Dichlorobenzene	1.6407	1.5843	1.5111	1.5149 1.4809	1.6258	Ave		1.5596				4.3		20.0			
Benzyl alcohol	0.6451	0.7809	0.7810	0.5792 0.8162	0.5854	Ave		0.6980				15.3		20.0			
1,2-Dichlorobenzene	1.5155	1.4803	1.4198	1.4018 1.3817	1.4954	Ave		1.4491				3.8		20.0			
2-Methylphenol	1.1263	1.1417	1.1288	1.0461 1.1428	1.1487	Ave		1.1224			0.7000	3.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.5231	1.5491	1.4575	1.4997 1.4919	1.6144	Ave		1.5226			0.0100	3.6		20.0			
3 & 4 Methylphenol	1.2721	1.2090	1.1759	1.1722 1.1720	1.2477	Ave		1.2081				3.6		20.0			
4-Methylphenol	1.2721	1.2090	1.1759	1.1722 1.1720	1.2477	Ave		1.2081			0.6000	3.6		20.0			
Acetophenone	1.6607	1.5481	1.4962	1.5827 1.4877	1.7041	Ave		1.5799			0.0100	5.6		20.0			
N-Nitrosodi-n-propylamine	0.9176 0.8591	0.7939 0.8537	0.9029 0.8282	0.8292 0.8481	0.9130	Ave		0.8606			0.5000	4.9		20.0			
Hexachloroethane	0.6054 0.5939	0.5122 0.5905	0.5668 0.5672	0.5477 0.5664	0.5972	Ave		0.5719			0.3000	5.1		20.0			
Nitrobenzene	0.5551 0.5704	0.5139 0.5484	0.5545 0.5305	0.5409 0.4957	0.5949	Ave		0.5449			0.2000	5.4		20.0			
n,n'-Dimethylaniline	1.9312 1.9741	1.8956 1.8159	1.9377 1.7839	1.9099 1.7674	2.0492	Ave		1.8961				4.9		20.0			
Isophorone	0.6626	0.6664	0.6365 0.6405	0.6219 0.6418	0.6752	Ave		0.6492			0.4000	2.9		20.0			
2-Nitrophenol	0.2049	0.2112	0.2077	0.1841 0.2040	0.2034	Ave		0.2026			0.1000	4.7		20.0			
2,4-Dimethylphenol	0.3207	0.3318	0.3168	0.2616 0.3056	0.3027	Ave		0.3065			0.2000	8.0		20.0			
Bis(2-chloroethoxy)methane	0.4070	0.4073	0.3995	0.3839 0.3959	0.4172	Ave		0.4018			0.3000	2.9		20.0			
Benzoic acid	0.2038	0.1990	0.2000	0.1599 0.1996	0.2315	Ave		0.1990				11.5		20.0			
2,4-Dichlorophenol	0.3103	0.3130	0.2269 0.3077	0.2469 0.2981	0.2962	Ave		0.2856			0.2000	12.0		20.0			
1,2,4-Trichlorobenzene	0.3578 0.3665	0.3022 0.3603	0.3416 0.3550	0.3406 0.3354	0.3627	Ave		0.3469				5.8		20.0			
Naphthalene	1.1074	1.0666	1.0119	1.0322 0.9469	1.1160	Ave		1.0468			0.7000	6.1		20.0			
4-Chloroaniline	0.4353	0.4266	0.4144	0.4017 0.3856	0.4409	Ave		0.4174			0.0100	5.1		20.0			
Hexachlorobutadiene	0.2179	0.1762 0.2146	0.1915 0.2075	0.1947 0.1948	0.2114	Ave		0.2011			0.0100	7.0		20.0			
4-Chloro-3-methylphenol	0.2701	0.2691	0.2637	0.2140 0.2574	0.2517	Ave		0.2543			0.2000	8.2		20.0			
2-Methylnaphthalene	0.6909	0.6640	0.6415	0.6453 0.5985	0.7013	Ave		0.6569			0.4000	5.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.6383	0.6098	0.5881	0.5936 0.5499	0.6447	Ave		0.6041				5.8		20.0			
Hexachlorocyclopentadiene	0.4484	0.4440	0.4585	0.3455 0.4538	0.4122	Ave		0.4271			0.0500	10.1		20.0			
1,2,4,5-Tetrachlorobenzene	0.7125	0.6924	0.6385	0.6472 0.5901	0.7016	Ave		0.6637			0.0100	7.1		20.0			
2-tertbutyl-4-methylphenol	0.4671	0.4504	0.4544	0.4412 0.4186	0.4651	Ave		0.4495				4.0		20.0			
2,4,6-Trichlorophenol	0.4172	0.4313	0.3718 0.4205	0.3801 0.4411	0.4186	Ave		0.4115			0.2000	6.3		20.0			
2,4,5-Trichlorophenol	0.4132	0.4217	0.4173	0.3449 0.4131	0.3934	Ave		0.4006			0.2000	7.2		20.0			
1,1'-Biphenyl	1.6487	1.5697	1.4923	1.5510 1.4579	1.6518	Ave		1.5619			0.0100	5.1		20.0			
2-Chloronaphthalene	1.2665	1.2312	1.2061	1.1636 1.1615	1.2852	Ave		1.2190			0.8000	4.2		20.0			
Phenyl ether	0.9032	0.8592	0.8664	0.8499 0.8638	0.9060	Ave		0.8747				2.7		20.0			
2-Nitroaniline	0.4202	0.4161	0.3995	0.3834 0.3989	0.4425	Ave		0.4101			0.0100	5.0		20.0			
1,3-Dimethylnaphthalene	1.0820	1.0170	0.9940	1.0294 0.9609	1.0980	Ave		1.0302				5.1		20.0			
Dimethyl phthalate	1.2202	1.1900	1.1419	1.1205 1.1143	1.2095	Ave		1.1661			0.0100	4.0		20.0			
Coumarin	0.1897	0.1792	0.1749	0.1731 0.1646	0.1891	Ave		0.1784				5.5		20.0			
2,6-Dinitrotoluene	0.2885	0.2070 0.2854	0.2512 0.2784	0.2522 0.2720	0.2894	Ave		0.2655			0.2000	10.6		20.0			
Acenaphthylene	1.8406	1.7526	1.7000	1.7123 1.6192	1.8633	Ave		1.7480			0.9000	5.2		20.0			
3-Nitroaniline	0.2966	0.2895	0.2809	0.2613 0.2774	0.2929	Ave		0.2831			0.0100	4.6		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.3180	1.2170	1.2405	1.1846 1.1995	1.2947	Ave		1.2424				4.3		20.0			
Acenaphthene	1.3058	1.1294	1.0950	1.1721 1.0106	1.2907	Ave		1.1673			0.9000	9.8		20.0			
2,4-Dinitrophenol	0.1734	0.1840	0.0720 0.1800	0.1100 0.1818	0.1433	Lin2	-0.469	0.1790			0.0100				0.9940		0.9900
4-Nitrophenol	0.1902	0.2004	0.1900	0.1633 0.1892	0.1871	Ave		0.1867			0.0100	6.6		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3530	0.2399 0.3441	0.2960 0.3244	0.3048 0.3181	0.3390	Ave		0.3149			0.2000	11.4		20.0			
Dibenzofuran	1.7097	1.6355	1.5681	1.5771 1.4977	1.7150	Ave		1.6172			0.8000	5.3		20.0			
2,3,4,6-Tetrachlorophenol	0.3388	0.3398	0.3289	0.2897 0.3278	0.3264	Ave		0.3252			0.0100	5.6		20.0			
Diethyl phthalate	1.1198	1.0877	1.0210	1.0391 0.9419	1.1279	Ave		1.0562			0.0100	6.7		20.0			
4-Chlorophenyl phenyl ether	0.6873	0.6486	0.6009	0.6157 0.5486	0.6780	Ave		0.6298			0.4000	8.3		20.0			
Fluorene	1.3509	1.2612	1.1482	1.2430 1.0515	1.3595	Ave		1.2357			0.9000	9.6		20.0			
4-Nitroaniline	0.2700	0.2563	0.2430	0.2247 0.1970	0.2611	Ave		0.2420			0.0100	11.2		20.0			
4,6-Dinitro-2-methylphenol	0.1538	0.1575	0.0886 0.1612	0.1106 0.1641	0.1415	Lin2	-0.312	0.1595			0.0100				0.9960		0.9900
N-Nitrosodiphenylamine	0.6556	0.6712	0.6662	0.5899 0.6557	0.6646	Ave		0.6505			0.0100	4.7		20.0			
1,2-Diphenylhydrazine	0.9199	0.9625	0.9545	0.8440 0.9545	0.9967	Ave		0.9387				5.6		20.0			
4-Bromophenyl phenyl ether	0.2916	0.3014	0.3091	0.2450 0.3068	0.2834	Ave		0.2896			0.1000	8.2		20.0			
Hexachlorobenzene	0.2606 0.3064	0.2356 0.3245	0.2587 0.3270	0.2578 0.3307	0.2952	Ave		0.2885			0.1000	12.5		20.0			
Pentachlorophenol	0.1796	0.2015	0.1274 0.1995	0.1502 0.1977	0.1658	Ave		0.1745			0.0500	16.2		20.0			
Pentachloronitrobenzene	0.0994	0.1037	0.1049	0.0857 0.1053	0.0976	Ave		0.0994			0.0100	7.5		20.0			
n-Octadecane	0.5234	0.5829	0.5644	0.4701 0.5821	0.5559	Ave		0.5465				7.9		20.0			
Phenanthrene	1.1591	1.1475	1.1203	1.0704 1.0786	1.1916	Ave		1.1279			0.7000	4.2		20.0			
Anthracene	1.2011	1.2033	1.1462	1.0834 1.1046	1.2153	Ave		1.1590			0.7000	4.8		20.0			
Carbazole	0.9595	0.9279	0.9118	0.8853 0.8738	0.9807	Ave		0.9232			0.0100	4.5		20.0			
Di-n-butyl phthalate	1.1056	1.1097	1.0450	1.0037 1.0201	1.1182	Ave		1.0670			0.0100	4.7		20.0			
Fluoranthene	1.0328	1.0029	0.9360	0.9459 0.8896	1.0303	Ave		0.9729			0.6000	6.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.4430	0.3886	0.4227	0.3302 0.4170	0.3543	Ave		0.3926				11.1		20.0			
Pyrene	1.6486	1.6492	1.5709	1.4627 1.5288	1.6903	Ave		1.5918			0.6000	5.4		20.0			
Bisphenol-A	0.0518	0.3821	0.5342	+++++ 0.5177	+++++	Lin2	-11.77	0.6388							0.9950		0.9900
Butyl benzyl phthalate	0.5649	0.5737	0.5529	0.4967 0.5571	0.5783	Ave		0.5539			0.0100	5.3		20.0			
2,3,7,8-TCDD		0.2090				Ave		0.2090						20.0			
Carbamazepine	0.3709	0.3757	0.4283	0.2888 0.4307	0.3445	Ave		0.3731				14.3		20.0			
3,3'-Dichlorobenzidine	0.4096	0.3921	0.2678 0.4148	0.3151 0.4310	0.3396	Ave		0.3671			0.0100	16.5		20.0			
Benzo[a]anthracene	1.2387 1.1608	1.0140 1.1315	1.0955 1.1248	1.0777 1.1145	1.1928	Ave		1.1278			0.8000	5.8		20.0			
Bis(2-ethylhexyl) phthalate	0.7708	0.7784	0.7525	0.6666 0.7632	0.7819	Ave		0.7522			0.0100	5.8		20.0			
Chrysene	1.1103	1.0681	1.0755	1.0179 1.0660	1.1038	Ave		1.0736			0.7000	3.1		20.0			
Di-n-octyl phthalate	1.4788	1.4679	1.4147	1.1847 1.4576	1.4578	Ave		1.4102			0.0100	8.0		20.0			
Benzo[b]fluoranthene	0.9850 1.2607	0.8960 1.2156	1.0145 1.2374	1.0290 1.2308	1.1732	Ave		1.1158			0.7000	12.1		20.0			
Benzo[k]fluoranthene	1.2252 1.3508	1.0752 1.3497	1.1084 1.2886	1.2459 1.3215	1.3823	Ave		1.2609			0.7000	8.6		20.0			
Benzo[a]pyrene	0.8058 1.1034	0.7903 1.1497	0.8901 1.1415	0.9206 1.1378	1.0834	Ave		1.0025			0.7000	14.9		20.0			
Indeno[1,2,3-cd]pyrene	0.4611 0.7865	0.6928 0.9675	0.8391 0.9555	0.6770 +++++	0.7514	QuaF		0.8512	0.0014198		0.5000				0.9980		0.9900
Dibenz(a,h)anthracene	0.5317 0.8774	0.5788 0.9830	0.7048 0.9923	0.6769 +++++	0.8465	QuaF		0.8915	0.0013269		0.4000				0.9990		0.9900
Benzo[g,h,i]perylene	0.8946	0.9934	0.6722 1.0223	0.6909 1.0038	0.8673	Ave		0.8778			0.5000	16.6		20.0			
2-Fluorophenol (Surr)	1.3011	1.3688 1.4157	1.3888 1.3960	1.3569 1.3849	1.3106	Ave		1.3654				3.0		20.0			
Phenol-d5 (Surr)	1.4885	1.4459 1.6071	1.5037 1.5967	1.5623 1.5887	1.5277	Ave		1.5401				3.8		20.0			
Nitrobenzene-d5 (Surr)	0.4102 0.3948	0.4093 0.4203	0.4306 0.4279	0.4156 0.4005	0.4202	Ave		0.4144				2.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.5747 1.4871	1.5672 1.5416	1.6015 1.4949	1.5972 1.4243	1.5173	Ave		1.5340				3.8		20.0			
2,4,6-Tribromophenol (Surr)	 0.2086	0.1818 0.2296	0.1991 0.2446	0.2052 0.2365	0.1957	Ave		0.2126				10.3		20.0			
Terphenyl-d14 (Surr)	1.1412 1.2239	1.1309 1.2876	1.1883 1.2895	1.1818 1.2508	1.2490	Ave		1.2159				4.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-386065/10	x17313.D
Level 2	STD1 460-386065/9	x17312.D
Level 3	STD2 460-386065/8	x17311.D
Level 4	STD5 460-386065/7	x17310.D
Level 5	STD10 460-386065/6	x17309.D
Level 6	STD20 460-386065/5	x17308.D
Level 7	ICIS 460-386065/2	x17305.D
Level 8	STD80 460-386065/4	x17307.D
Level 9	STD120 460-386065/3	x17306.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave	163148	379574	512223	40224 821856	83049	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd 4	Ave	221093	518566	699068	53733 1128154	112531	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCBd 4	Ave	393463	901880	1225216	96075 1979846	200971	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCBd 4	Ave	409273	979055	1342008	96600 2143585	202250	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCBd 4	Ave	524697	1229523	1676337	130381 2642054	269590	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	9180 331505	14704 757932	32596 1039808	83424 1748103	167530	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd 4	Ave	364420	827834	1124009	89623 1744476	181579	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCBd 4	Ave	390159	900645	1172674	100706 1827981	207805	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	421406	937560	1287205	103660 1949502	210642	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	427971	939690	1259947	104504 1920843	212258	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCBd 4	Ave	168278	463157	651225	39960 1058619	76425	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	395320	878019	1183801	96704 1792228	195232	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCBd 4	Ave	293791	677137	941215	72167 1482349	149967	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	397289	918789	1215271	103458 1935107	210763	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol	DCBd 4	Ave	331822	717048	980472	80864 1520192	162890	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd 4	Ave	331822	717048	980472	80864 1520192	162890	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCBd 4	Ave	433182	918174	1247541	109185 1929645	222469	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	6466 224087	10149 506337	23411 690517	57202 1100116	119197	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCBd 4	Ave	4266 154916	6548 350218	14696 472936	37784 734613	77970	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	13103 485996	21726 1055438	47004 1435782	122193 2161137	250867	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd 4	Ave	13609 514935	24232 1077060	50245 1487415	131758 2292403	267529	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	564543	1282543	53951 1733476	140497 2797815	284693	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	174596	406393	562228	41589 889527	85785	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	273240	638640	857411	59109 1332343	127618	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	346796	783951	1081378	86731 1725865	175933	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Ave	173634	382906	541296	36119 870127	97637	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	264371	602291	19234 832812	55791 1299573	124878	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	8447 312305	12775 693331	28958 960825	76944 1462067	152952	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	943509	2052746	2738675	233198 4128190	470590	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	370840	821029	1121717	90747 1681103	185933	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	185618	7451 413044	16230 561641	43998 849012	89149	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	230139	517813	713681	48358 1121948	106147	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	588617	1277992	1736321	145780 2609218	295731	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	543841	1173505	1591715	134118 2397396	271858	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	187054	412182	599382	37857 907498	84245	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	297220	642754	834749	70919 1179956	143373	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	398016	866909	1229915	99675 1824861	196138	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	174041	400398	15241 549752	41652 882080	85542	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	172368	391478	545613	37790 825953	80389	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	687736	1457207	1950952	169957 2915218	337563	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	528335	1142893	1576777	127515 2322459	262635	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	376757	797565	1132689	93136 1727180	185143	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	175277	386230	522319	42013 797671	90435	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	451336	944051	1299485	112808 1921409	224382	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	509018	1104703	1492898	122789 2228034	247174	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	161657	344840	473382	39114 717481	79734	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	120354	4187 264976	10296 363951	27635 543980	59151	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	767783	1626959	2222457	187635 3237810	380792	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	123746	268706	367281	28631 554701	59856	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	549789	1129795	1621765	129814 2398451	264587	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	544692	1048425	1431562	128437 2020802	263762	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	144677	341557	5905 470607	24109 726980	58568	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	158676	372090	496674	35791 756460	76483	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	147256	4853 319441	12133 424160	33397 636049	69286	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	713190	1518264	2050108	172817 2994856	350478	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	141330	315472	429937	31751 655409	66707	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	467115	1009722	1334840	113865 1883389	230497	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	286725	602059	785574	67470 1097004	138552	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	563538	1170800	1501037	136212 2102544	277832	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	112636	237965	317700	24626 393884	53368	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	179284	383099	10277 532071	34329 795566	79371	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	382146	816107	1099636	91511 1589246	186352	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	536189	1170231	1575627	130930 2313441	279504	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	169955	366517	510279	38014 743531	79461	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	4175 178583	6805 394552	15010 539809	39986 801443	82781	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	209408	489890	14781 658508	46608 958549	92985	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	57920	126052	173131	13292 255258	27361	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	305072	708770	931691	72929 1410907	155895	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	675641	1395164	1849251	166061 2614230	334135	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	700106	1463111	1892061	168065 2677366	340800	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	559300	1128173	1505136	137343 2117887	275005	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	644453	1349219	1724949	155709 2472436	313562	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	602028	1219419	1545091	146739 2156313	288914	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	258244	472508	697785	51229 1010751	99338	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	583356	1179766	1504819	145216 2110200	283897	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Lin2	18330	273334	511731	+++++ 714541	+++++	20.0	50.0	80.0	+++++ 120	+++++
Butyl benzyl phthalate	CRY	Ave	199886	410397	529631	49316 768913	97130	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		1495					0.500			
Carbamazepine	CRY	Ave	131258	268776	410237	28670 594522	57853	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	144950	280501	9555 397323	31281 594905	57039	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	12395 410771	18874 809445	39085 1077510	106995 1538354	200330	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	272747	556861	720824	66180 1053491	131324	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	392890	764043	1030296	101055 1471421	185385	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	351606	762903	1028194	77469 1499790	161648	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	6436 299754	10857 631760	23884 899333	67286 1266443	130083	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	8006 321172	13028 701496	26096 936553	81472 1359747	153277	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	5265 262357	9576 597558	20956 829667	60202 1170747	120129	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	QuaF	3013 187000	8395 502858	19756 694435	44271 +++++	83319	0.500 20.0	1.00 50.0	2.00 80.0	5.00 +++++	10.0
Dibenz(a,h)anthracene	PRY	QuaF	3474 208623	7013 510905	16594 721206	44265 +++++	93862	0.500 20.0	1.00 50.0	2.00 80.0	5.00 +++++	10.0
Benzo[g,h,i]perylene	PRY	Ave	212703	516312	15825 743033	45177 1032897	96170	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd 4	Ave	339394	17498 839695	36011 1164012	93605 1796389	171106	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCBd 4	Ave	388260	18483 953202	38990 1331333	107779 2060613	199444	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	9683 336347	17303 808945	36498 1158263	93893 1745911	177175	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	18210 620347	31704 1431045	65646 1954299	175025 2848023	310079	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	87008	3677 213116	8161 319839	22486 472948	40001	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	11419 433091	21050 921083	42395 1235274	117329 1726508	209776	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386065

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2016 12:18 Calibration End Date: 08/22/2016 15:49 Calibration ID: 57434

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17305.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 22-Aug-2016 12:18:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-002
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:17:04 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 12:47:00

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.893	1.893	0.000	94	379574	50.0	51.4	
	2 N-Nitrosodimethylamine	74	2.134	2.134	0.000	85	518566	50.0	51.7	
	3 Pyridine	79	2.163	2.163	0.000	94	901880	50.0	50.9	
$	4 2-Fluorophenol	112	3.310	3.310	0.000	94	839695	50.0	51.8	
$	6 Phenol-d5	99	4.228	4.228	0.000	85	953202	50.0	52.2	
	7 Phenol	94	4.245	4.245	0.000	99	979055	50.0	52.5	
	8 Aniline	93	4.275	4.275	0.000	98	1229523	50.0	51.5	
	9 Bis(2-chloroethyl)ether	93	4.334	4.334	0.000	98	757932	50.0	50.7	
	10 Benzonitrile	103	4.363	4.363	0.000	66	1409985	NC	NC	
	11 2-Chlorophenol	128	4.398	4.398	0.000	95	827834	50.0	51.2	
	12 n-Decane	43	4.439	4.439	0.000	89	900645	50.0	51.3	
	13 1,3-Dichlorobenzene	146	4.551	4.551	0.000	95	937560	50.0	50.7	
*	14 1,4-Dichlorobenzene-d4	152	4.598	4.598	0.000	96	474493	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.616	4.616	0.000	94	939690	50.0	50.8	
	16 Benzyl alcohol	108	4.739	4.739	0.000	92	463157	50.0	55.9	
	17 1,2-Dichlorobenzene	146	4.775	4.775	0.000	95	878019	50.0	51.1	
	18 2-Methylphenol	108	4.845	4.845	0.000	89	677137	50.0	50.9	
	19 2,2'-oxybis[1-chloropropan	45	4.875	4.875	0.000	92	918789	50.0	50.9	
	20 N-Methylaniline	106	4.992	4.992	0.000	75	1052073	NC	NC	
	23 3 & 4 Methylphenol	108	5.004	5.004	0.000	79	717048	50.0	50.0	
	24 4-Methylphenol	108	5.004	5.004	0.000	83	717048	50.0	50.0	
	21 Acetophenone	105	5.010	5.010	0.000	91	918174	50.0	49.0	
	22 N-Nitrosodi-n-propylamine	70	5.010	5.010	0.000	91	506337	50.0	49.6	
	25 Hexachloroethane	117	5.116	5.116	0.000	92	350218	50.0	51.6	
$	26 Nitrobenzene-d5	82	5.157	5.157	0.000	87	808945	50.0	50.7	
	28 Nitrobenzene	77	5.181	5.181	0.000	95	1055438	50.0	50.3	
	27 n,n'-Dimethylaniline	120	5.181	5.181	0.000	91	1077060	50.0	47.9	
	31 Isophorone	82	5.422	5.422	0.000	99	1282543	50.0	51.3	
	32 2-Nitrophenol	139	5.492	5.492	0.000	91	406393	50.0	52.1	
	33 2,4-Dimethylphenol	122	5.534	5.534	0.000	91	638640	50.0	54.1	
	34 Bis(2-chloroethoxy)methane	93	5.628	5.628	0.000	100	783951	50.0	50.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.675	5.675	0.000	88	382906	50.0	50.0	
36 2,4-Dichlorophenol	162	5.739	5.739	0.000	96	602291	50.0	54.8	
37 1,2,4-Trichlorobenzene	180	5.822	5.822	0.000	94	693331	50.0	51.9	
* 38 Naphthalene-d8	136	5.881	5.881	0.000	100	1539639	40.0	40.0	
39 Naphthalene	128	5.904	5.904	0.000	100	2052746	50.0	50.9	
40 4-Chloroaniline	127	5.957	5.957	0.000	96	821029	50.0	51.1	
41 Hexachlorobutadiene	225	6.033	6.033	0.000	98	413044	50.0	53.4	
43 4-Chloro-3-methylphenol	107	6.433	6.433	0.000	96	517813	50.0	52.9	
44 2-Methylnaphthalene	142	6.592	6.592	0.000	85	1277992	50.0	50.5	
45 1-Methylnaphthalene	142	6.692	6.692	0.000	93	1173505	50.0	50.5	
46 Hexachlorocyclopentadiene	237	6.757	6.757	0.000	98	412182	50.0	52.0	
47 1,2,4,5-Tetrachlorobenzene	216	6.769	6.769	0.000	98	642754	50.0	52.2	
48 2-tertbutyl-4-methylphenol	149	6.786	6.786	0.000	91	866909	50.0	50.1	
49 2,4,6-Trichlorophenol	196	6.875	6.875	0.000	90	400398	50.0	52.4	
50 2,4,5-Trichlorophenol	196	6.910	6.910	0.000	98	391478	50.0	52.6	
$ 51 2-Fluorobiphenyl	172	6.957	6.957	0.000	98	1431045	50.0	50.2	
52 1,1'-Biphenyl	154	7.057	7.057	0.000	97	1457207	50.0	50.3	
53 2-Chloronaphthalene	162	7.080	7.080	0.000	98	1142893	50.0	50.5	
54 Phenyl ether	170	7.163	7.163	0.000	84	797565	50.0	49.1	
56 2-Nitroaniline	65	7.180	7.180	0.000	97	386230	50.0	50.7	
57 1,3-Dimethylnaphthalene	156	7.298	7.298	0.000	91	944051	50.0	49.4	
58 Dimethyl phthalate	163	7.363	7.363	0.000	98	1104703	50.0	51.0	
59 Coumarin	146	7.386	7.386	0.000	75	344840	50.0	50.2	
60 2,6-Dinitrotoluene	165	7.416	7.416	0.000	97	264976	50.0	53.8	
61 Acenaphthylene	152	7.492	7.492	0.000	97	1626959	50.0	50.1	
64 3-Nitroaniline	138	7.586	7.586	0.000	96	268706	50.0	51.1	
* 65 Acenaphthene-d10	164	7.633	7.633	0.000	93	742646	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.651	7.651	0.000	97	1129795	50.0	49.0	
67 Acenaphthene	154	7.669	7.669	0.000	94	1048425	50.0	48.4	
68 2,4-Dinitrophenol	184	7.686	7.686	0.000	96	341557	100.0	105.4	
69 4-Nitrophenol	65	7.745	7.745	0.000	93	372090	100.0	107.3	
70 2,4-Dinitrotoluene	165	7.816	7.816	0.000	97	319441	50.0	54.6	
71 Dibenzofuran	168	7.839	7.839	0.000	96	1518264	50.0	50.6	
72 2,3,4,6-Tetrachlorophenol	232	7.957	7.957	0.000	96	315472	50.0	52.2	
73 Diethyl phthalate	149	8.057	8.057	0.000	98	1009722	50.0	51.5	
74 4-Chlorophenyl phenyl ethe	204	8.169	8.169	0.000	90	602059	50.0	51.5	
75 Fluorene	166	8.175	8.175	0.000	96	1170800	50.0	51.0	
76 4-Nitroaniline	138	8.192	8.192	0.000	89	237965	50.0	53.0	
77 4,6-Dinitro-2-methylphenol	198	8.222	8.222	0.000	90	383099	100.0	100.7	
78 N-Nitrosodiphenylamine	169	8.286	8.286	0.000	66	816107	50.0	51.6	
79 1,2-Diphenylhydrazine	77	8.327	8.327	0.000	96	1170231	50.0	51.3	
$ 80 2,4,6-Tribromophenol	330	8.410	8.410	0.000	93	213116	50.0	54.0	
81 4-Bromophenyl phenyl ether	248	8.651	8.651	0.000	94	366517	50.0	52.1	
83 Hexachlorobenzene	284	8.727	8.727	0.000	95	394552	50.0	56.2	
85 Pentachlorophenol	266	8.916	8.916	0.000	96	489890	100.0	115.4	
86 Pentachloronitrobenzene	237	8.933	8.933	0.000	90	126052	50.0	52.1	
87 n-Octadecane	57	8.980	8.980	0.000	93	708770	50.0	53.3	
* 88 Phenanthrene-d10	188	9.098	9.098	0.000	99	972697	40.0	40.0	
89 Phenanthrene	178	9.122	9.122	0.000	97	1395164	50.0	50.9	
90 Anthracene	178	9.174	9.174	0.000	99	1463111	50.0	51.9	
91 Carbazole	167	9.327	9.327	0.000	96	1128173	50.0	50.3	
92 Di-n-butyl phthalate	149	9.663	9.663	0.000	100	1349219	50.0	52.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.298	10.298	0.000	98	1219419	50.0	51.5	
94 Benzidine	184	10.421	10.421	0.000	99	472508	50.0	49.5	
95 Pyrene	202	10.533	10.533	0.000	98	1179766	50.0	51.8	
82 Bisphenol-A	213	10.568	10.568	0.000	99	273334	50.0	48.3	
$ 96 Terphenyl-d14	244	10.686	10.686	0.000	98	921083	50.0	52.9	
97 Butyl benzyl phthalate	149	11.233	11.233	0.000	98	410397	50.0	51.8	
98 2,3,7,8-TCDD	320	11.351	11.351	0.000	93	1495	0.5000	0.5000	
99 Carbamazepine	193	11.363	11.363	0.000	92	268776	50.0	50.3	
100 3,3'-Dichlorobenzidine	252	11.886	11.886	0.000	99	280501	50.0	53.4	
101 Benzo[a]anthracene	228	11.921	11.921	0.000	98	809445	50.0	50.2	
* 102 Chrysene-d12	240	11.939	11.939	0.000	99	572280	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.951	11.951	0.000	90	556861	50.0	51.7	
103 Chrysene	228	11.968	11.968	0.000	99	764043	50.0	49.7	
105 Di-n-octyl phthalate	149	12.839	12.839	0.000	98	762903	50.0	52.0	
106 Benzo[b]fluoranthene	252	13.380	13.380	0.000	98	631760	50.0	54.5	
107 Benzo[k]fluoranthene	252	13.421	13.421	0.000	98	701496	50.0	53.5	
108 Benzo[a]pyrene	252	13.839	13.839	0.000	98	597558	50.0	57.3	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	415785	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.562	15.562	0.000	98	502858	50.0	52.3	
111 Dibenz(a,h)anthracene	278	15.598	15.598	0.000	98	510905	50.0	51.2	
112 Benzo[g,h,i]perylene	276	16.027	16.027	0.000	98	516312	50.0	56.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00020 Amount Added: 1.00 Units: mL

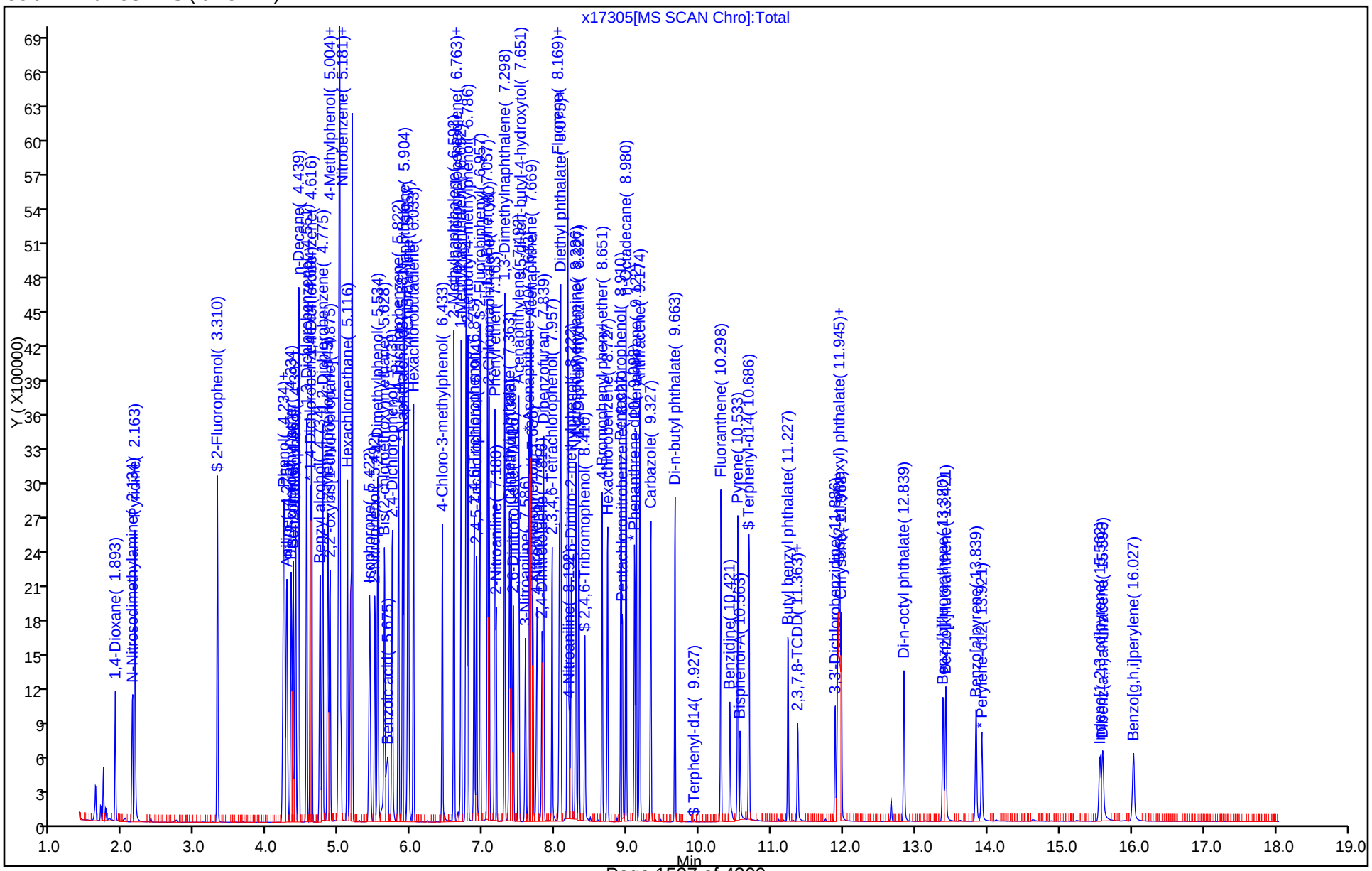
Report Date: 22-Aug-2016 20:17:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17305.D

Injection Date:	22-Aug-2016 12:18:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	icis			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 22-Aug-2016 20:17:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17306.D
Lims ID: std120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 22-Aug-2016 13:00:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-003
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:17:12 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 15:43:02

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.893	1.893	0.000	94	821856	120.0	122.2	
	2 N-Nitrosodimethylamine	74	2.146	2.134	0.012	86	1128154	120.0	123.5	
	3 Pyridine	79	2.169	2.163	0.006	94	1979846	120.0	122.7	
$	4 2-Fluorophenol	112	3.322	3.310	0.012	95	1796389	120.0	121.7	
$	6 Phenol-d5	99	4.251	4.228	0.023	97	2060613	120.0	123.8	
	7 Phenol	94	4.269	4.245	0.024	99	2143585	120.0	126.2	
	8 Aniline	93	4.292	4.275	0.017	100	2642054	120.0	121.3	
	9 Bis(2-chloroethyl)ether	93	4.345	4.334	0.011	98	1748103	120.0	128.3	
	10 Benzonitrile	103	4.387	4.363	0.024	66	3067412	NC	NC	
	11 2-Chlorophenol	128	4.410	4.398	0.012	95	1744476	120.0	118.4	
	12 n-Decane	43	4.445	4.439	0.006	88	1827981	120.0	114.2	
	13 1,3-Dichlorobenzene	146	4.557	4.551	0.006	95	1949502	120.0	115.6	
*	14 1,4-Dichlorobenzene-d4	152	4.604	4.598	0.006	96	432360	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.628	4.616	0.012	94	1920843	120.0	113.9	
	16 Benzyl alcohol	108	4.763	4.739	0.024	93	1058619	120.0	140.3	
	17 1,2-Dichlorobenzene	146	4.781	4.775	0.006	95	1792228	120.0	114.4	
	18 2-Methylphenol	108	4.857	4.845	0.012	90	1482349	120.0	122.2	
	19 2,2'-oxybis[1-chloropropan	45	4.881	4.875	0.006	91	1935107	120.0	117.6	
	20 N-Methylaniline	106	5.004	4.992	0.012	83	2408433	NC	NC	
	23 3 & 4 Methylphenol	108	5.034	5.004	0.030	83	1520192	120.0	116.4	
	24 4-Methylphenol	108	5.034	5.004	0.030	81	1520192	120.0	116.4	
	21 Acetophenone	105	5.028	5.010	0.018	95	1929645	120.0	113.0	
	22 N-Nitrosodi-n-propylamine	70	5.057	5.010	0.047	86	1100116	120.0	118.3	
	25 Hexachloroethane	117	5.116	5.116	0.000	95	734613	120.0	118.8	
$	26 Nitrobenzene-d5	82	5.175	5.157	0.018	88	1745911	120.0	116.0	
	28 Nitrobenzene	77	5.198	5.181	0.017	98	2161137	120.0	109.2	
	27 n,n'-Dimethylaniline	120	5.198	5.181	0.017	98	2292403	120.0	111.9	
	31 Isophorone	82	5.451	5.422	0.029	99	2797815	120.0	118.6	M
	32 2-Nitrophenol	139	5.504	5.492	0.012	92	889527	120.0	120.9	
	33 2,4-Dimethylphenol	122	5.551	5.534	0.017	91	1332343	120.0	119.6	
	34 Bis(2-chloroethoxy)methane	93	5.639	5.628	0.011	99	1725865	120.0	118.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.734	5.675	0.059	89	870127	120.0	120.4	
36 2,4-Dichlorophenol	162	5.751	5.739	0.012	96	1299573	120.0	125.3	
37 1,2,4-Trichlorobenzene	180	5.828	5.822	0.006	94	1462067	120.0	116.0	
* 38 Naphthalene-d8	136	5.886	5.881	0.005	99	1453164	40.0	40.0	
39 Naphthalene	128	5.910	5.904	0.006	99	4128190	120.0	108.5	
40 4-Chloroaniline	127	5.969	5.957	0.012	98	1681103	120.0	110.9	
41 Hexachlorobutadiene	225	6.034	6.033	0.001	97	849012	120.0	116.2	
43 4-Chloro-3-methylphenol	107	6.439	6.433	0.006	96	1121948	120.0	121.4	
44 2-Methylnaphthalene	142	6.598	6.592	0.006	85	2609218	120.0	109.3	
45 1-Methylnaphthalene	142	6.698	6.692	0.006	93	2397396	120.0	109.2	
46 Hexachlorocyclopentadiene	237	6.763	6.757	0.006	98	907498	120.0	127.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.775	6.769	0.006	97	1179956	120.0	106.7	
48 2-tertbutyl-4-methylphenol	149	6.798	6.786	0.012	92	1824861	120.0	111.8	
49 2,4,6-Trichlorophenol	196	6.881	6.875	0.005	91	882080	120.0	128.6	
50 2,4,5-Trichlorophenol	196	6.916	6.910	0.006	98	825953	120.0	123.7	
$ 51 2-Fluorobiphenyl	172	6.969	6.957	0.012	97	2848023	120.0	111.4	
52 1,1'-Biphenyl	154	7.069	7.057	0.012	96	2915218	120.0	112.0	
53 2-Chloronaphthalene	162	7.092	7.080	0.012	97	2322459	120.0	114.3	
54 Phenyl ether	170	7.169	7.163	0.006	85	1727180	120.0	118.5	
56 2-Nitroaniline	65	7.192	7.180	0.012	98	797671	120.0	116.7	
57 1,3-Dimethylnaphthalene	156	7.304	7.298	0.006	91	1921409	120.0	111.9	
58 Dimethyl phthalate	163	7.380	7.363	0.017	99	2228034	120.0	114.7	
59 Coumarin	146	7.410	7.386	0.024	78	717481	120.0	110.7	
60 2,6-Dinitrotoluene	165	7.433	7.416	0.017	96	543980	120.0	122.9	
61 Acenaphthylene	152	7.504	7.492	0.012	98	3237810	120.0	111.2	
64 3-Nitroaniline	138	7.598	7.586	0.012	97	554701	120.0	117.6	
* 65 Acenaphthene-d10	164	7.639	7.633	0.006	93	666525	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.657	7.651	0.006	97	2398451	120.0	115.9	
67 Acenaphthene	154	7.675	7.669	0.006	95	2020802	120.0	103.9	
68 2,4-Dinitrophenol	184	7.704	7.686	0.018	96	726980	240.0	246.3	
69 4-Nitrophenol	65	7.763	7.745	0.018	93	756460	240.0	243.2	
70 2,4-Dinitrotoluene	165	7.833	7.816	0.017	97	636049	120.0	121.2	
71 Dibenzofuran	168	7.845	7.839	0.006	96	2994856	120.0	111.1	
72 2,3,4,6-Tetrachlorophenol	232	7.963	7.957	0.006	96	655409	120.0	120.9	
73 Diethyl phthalate	149	8.069	8.057	0.012	99	1883389	120.0	107.0	
74 4-Chlorophenyl phenyl ethe	204	8.175	8.169	0.006	91	1097004	120.0	104.5	
75 Fluorene	166	8.186	8.175	0.011	96	2102544	120.0	102.1	
76 4-Nitroaniline	138	8.216	8.192	0.024	85	393884	120.0	97.7	
77 4,6-Dinitro-2-methylphenol	198	8.239	8.222	0.017	93	795566	240.0	249.0	
78 N-Nitrosodiphenylamine	169	8.298	8.286	0.012	67	1589246	120.0	121.0	
79 1,2-Diphenylhydrazine	77	8.339	8.327	0.012	96	2313441	120.0	122.0	
$ 80 2,4,6-Tribromophenol	330	8.422	8.410	0.012	92	472948	120.0	133.5	
81 4-Bromophenyl phenyl ether	248	8.657	8.651	0.006	94	743531	120.0	127.1	
83 Hexachlorobenzene	284	8.733	8.727	0.006	94	801443	120.0	137.5	
85 Pentachlorophenol	266	8.922	8.916	0.006	96	958549	240.0	271.9	
86 Pentachloronitrobenzene	237	8.939	8.933	0.006	91	255258	120.0	127.1	
87 n-Octadecane	57	8.986	8.980	0.006	91	1410907	120.0	127.8	
* 88 Phenanthrene-d10	188	9.104	9.098	0.006	99	807935	40.0	40.0	
89 Phenanthrene	178	9.133	9.122	0.011	98	2614230	120.0	114.8	
90 Anthracene	178	9.180	9.174	0.006	98	2677366	120.0	114.4	
91 Carbazole	167	9.333	9.327	0.006	96	2117887	120.0	113.6	
92 Di-n-butyl phthalate	149	9.669	9.663	0.006	100	2472436	120.0	114.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.310	10.298	0.012	97	2156313	120.0	109.7	
94 Benzidine	184	10.433	10.421	0.012	99	1010751	120.0	127.4	
95 Pyrene	202	10.545	10.533	0.012	97	2110200	120.0	115.3	
82 Bisphenol-A	213	10.574	10.568	0.006	99	714541	120.0	115.7	
$ 96 Terphenyl-d14	244	10.698	10.686	0.012	99	1726508	120.0	123.4	
97 Butyl benzyl phthalate	149	11.239	11.233	0.006	98	768913	120.0	120.7	
99 Carbamazepine	193	11.374	11.363	0.011	92	594522	120.0	138.5	
100 3,3'-Dichlorobenzidine	252	11.892	11.886	0.006	99	594905	120.0	140.9	
101 Benzo[a]anthracene	228	11.933	11.921	0.012	98	1538354	120.0	118.6	
* 102 Chrysene-d12	240	11.945	11.939	0.006	99	460090	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.957	11.951	0.006	89	1053491	120.0	121.8	
103 Chrysene	228	11.980	11.968	0.012	99	1471421	120.0	119.2	
105 Di-n-octyl phthalate	149	12.845	12.839	0.006	98	1499790	120.0	124.0	
106 Benzo[b]fluoranthene	252	13.392	13.380	0.012	98	1266443	120.0	132.4	
107 Benzo[k]fluoranthene	252	13.433	13.421	0.012	99	1359747	120.0	125.8	
108 Benzo[a]pyrene	252	13.851	13.839	0.012	98	1170747	120.0	136.2	
* 109 Perylene-d12	264	13.927	13.921	0.006	99	342986	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.574	15.562	0.012	99	1016973	120.0	116.6	
111 Dibenz(a,h)anthracene	278	15.615	15.598	0.017	98	1041517	120.0	116.2	
112 Benzo[g,h,i]perylene	276	16.051	16.027	0.023	98	1032897	120.0	137.2	
S 119 Total Cresols	1				0			238.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L8_00011 Amount Added: 1.00 Units: mL

Report Date: 22-Aug-2016 20:17:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17306.D

Injection Date: 22-Aug-2016 13:00:30 Instrument ID: CBNAMS5 Operator ID:

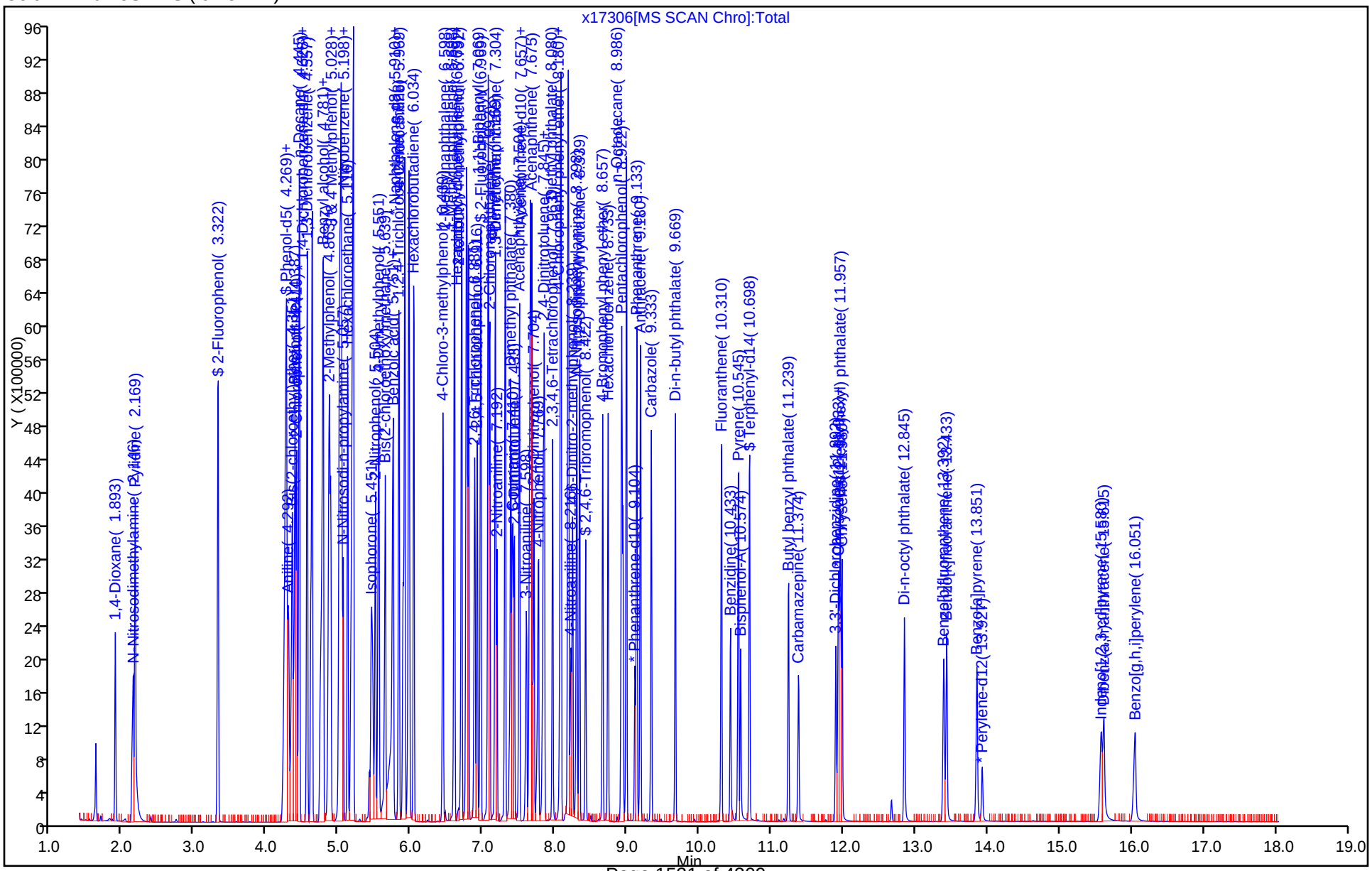
Lims ID: std120 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

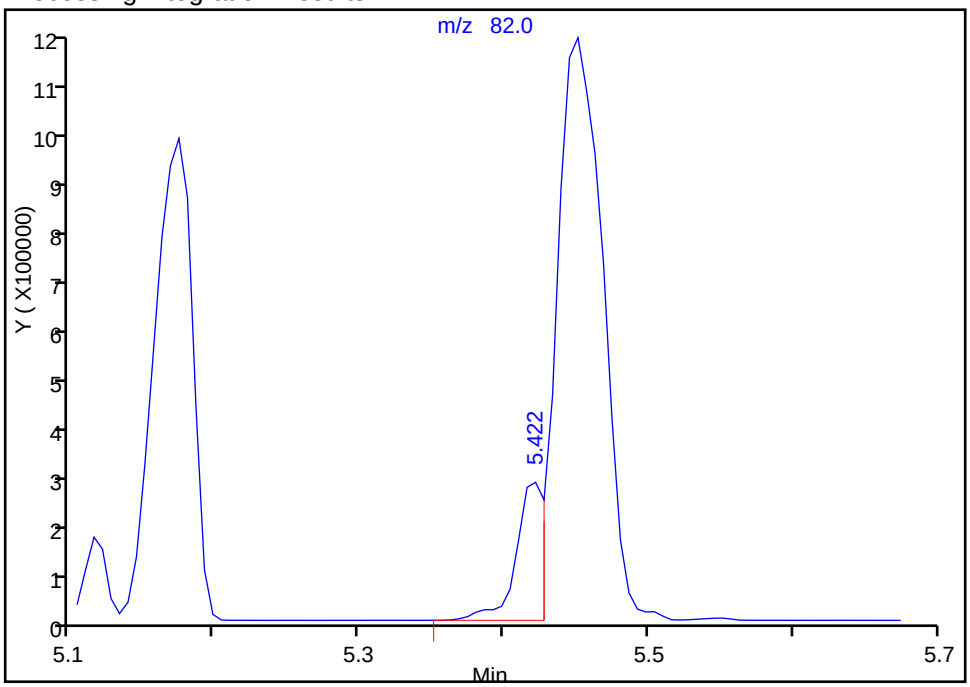
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17306.D				
Injection Date:	22-Aug-2016 13:00:30	Instrument ID:	CBNAMS5		
Lims ID:	std120				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

31 Isophorone, CAS: 78-59-1

Signal: 1

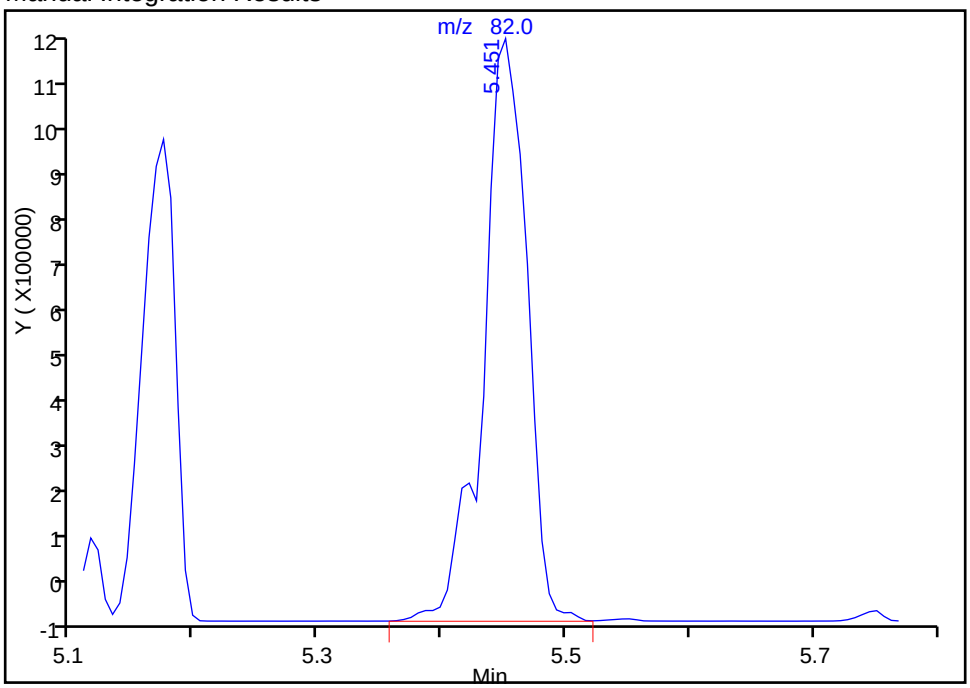
Processing Integration Results

RT: 5.42
Area: 380548
Amount: 18.376064
Amount Units: ug/ml



Manual Integration Results

RT: 5.45
Area: 2797815
Amount: 118.6189
Amount Units: ug/ml



Reviewer: croccom, 22-Aug-2016 15:43:02

Audit Action: Manually Integrated Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17307.D
Lims ID: std80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Aug-2016 13:24:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-004
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:17:19 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 15:45:16

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.899	1.893	0.006	93	512223	80.0	79.0	
	2 N-Nitrosodimethylamine	74	2.140	2.134	0.006	87	699068	80.0	79.4	
	3 Pyridine	79	2.169	2.163	0.006	94	1225216	80.0	78.7	
$	4 2-Fluorophenol	112	3.316	3.310	0.006	95	1164012	80.0	81.8	
$	6 Phenol-d5	99	4.240	4.228	0.012	98	1331333	80.0	82.9	
	7 Phenol	94	4.257	4.245	0.012	99	1342008	80.0	81.9	
	8 Aniline	93	4.281	4.275	0.006	99	1676337	80.0	79.8	
	9 Bis(2-chloroethyl)ether	93	4.345	4.334	0.011	100	1039808	80.0	79.1	
	10 Benzonitrile	103	4.375	4.363	0.012	68	1949060	NC	NC	
	11 2-Chlorophenol	128	4.404	4.398	0.006	96	1124009	80.0	79.1	
	12 n-Decane	43	4.445	4.439	0.006	88	1172674	80.0	76.0	
	13 1,3-Dichlorobenzene	146	4.551	4.551	0.000	95	1287205	80.0	79.2	
*	14 1,4-Dichlorobenzene-d4	152	4.604	4.598	0.006	96	416901	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.622	4.616	0.006	93	1259947	80.0	77.5	
	16 Benzyl alcohol	108	4.745	4.739	0.006	92	651225	80.0	89.5	
	17 1,2-Dichlorobenzene	146	4.775	4.775	0.000	95	1183801	80.0	78.4	
	18 2-Methylphenol	108	4.851	4.845	0.006	90	941215	80.0	80.5	
	19 2,2'-oxybis[1-chloropropan	45	4.881	4.875	0.006	92	1215271	80.0	76.6	
	20 N-Methylaniline	106	4.998	4.992	0.006	83	1537355	NC	NC	
	23 3 & 4 Methylphenol	108	5.016	5.004	0.012	92	980472	80.0	77.9	
	24 4-Methylphenol	108	5.016	5.004	0.012	88	980472	80.0	77.9	
	21 Acetophenone	105	5.016	5.010	0.006	96	1247541	80.0	75.8	
	22 N-Nitrosodi-n-propylamine	70	5.039	5.010	0.029	85	690517	80.0	77.0	
	25 Hexachloroethane	117	5.116	5.116	0.000	94	472936	80.0	79.3	
$	26 Nitrobenzene-d5	82	5.169	5.157	0.012	87	1158263	80.0	82.6	
	28 Nitrobenzene	77	5.187	5.181	0.006	94	1435782	80.0	77.9	
	27 n,n'-Dimethylaniline	120	5.192	5.181	0.011	89	1487415	80.0	75.3	
	31 Isophorone	82	5.434	5.422	0.012	99	1733476	80.0	78.9	
	32 2-Nitrophenol	139	5.498	5.492	0.006	92	562228	80.0	82.0	
	33 2,4-Dimethylphenol	122	5.545	5.534	0.011	92	857411	80.0	82.7	
	34 Bis(2-chloroethoxy)methane	93	5.634	5.628	0.006	99	1081378	80.0	79.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.698	5.675	0.023	87	541296	80.0	80.4	
36 2,4-Dichlorophenol	162	5.745	5.739	0.006	96	832812	80.0	86.2	
37 1,2,4-Trichlorobenzene	180	5.828	5.822	0.006	94	960825	80.0	81.9	
* 38 Naphthalene-d8	136	5.886	5.881	0.005	99	1353288	40.0	40.0	
39 Naphthalene	128	5.910	5.904	0.006	99	2738675	80.0	77.3	
40 4-Chloroaniline	127	5.963	5.957	0.006	96	1121717	80.0	79.4	
41 Hexachlorobutadiene	225	6.034	6.033	0.001	97	561641	80.0	82.6	
43 4-Chloro-3-methylphenol	107	6.439	6.433	0.006	96	713681	80.0	82.9	
44 2-Methylnaphthalene	142	6.598	6.592	0.006	86	1736321	80.0	78.1	
45 1-Methylnaphthalene	142	6.698	6.692	0.006	93	1591715	80.0	77.9	
46 Hexachlorocyclopentadiene	237	6.763	6.757	0.006	97	599382	80.0	85.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.769	6.769	0.000	97	834749	80.0	77.0	
48 2-tertbutyl-4-methylphenol	149	6.792	6.786	0.006	92	1229915	80.0	80.9	
49 2,4,6-Trichlorophenol	196	6.881	6.875	0.006	92	549752	80.0	81.7	
50 2,4,5-Trichlorophenol	196	6.910	6.910	0.000	98	545613	80.0	83.3	
$ 51 2-Fluorobiphenyl	172	6.963	6.957	0.006	97	1954299	80.0	78.0	
52 1,1'-Biphenyl	154	7.063	7.057	0.006	96	1950952	80.0	76.4	
53 2-Chloronaphthalene	162	7.086	7.080	0.006	97	1576777	80.0	79.2	
54 Phenyl ether	170	7.163	7.163	0.000	85	1132689	80.0	79.2	
56 2-Nitroaniline	65	7.186	7.180	0.006	97	522319	80.0	77.9	
57 1,3-Dimethylnaphthalene	156	7.298	7.298	0.000	92	1299485	80.0	77.2	
58 Dimethyl phthalate	163	7.369	7.363	0.006	99	1492898	80.0	78.3	
59 Coumarin	146	7.392	7.386	0.006	78	473382	80.0	78.4	
60 2,6-Dinitrotoluene	165	7.422	7.416	0.006	97	363951	80.0	83.9	
61 Acenaphthylene	152	7.498	7.492	0.006	97	2222457	80.0	77.8	
64 3-Nitroaniline	138	7.592	7.586	0.006	97	367281	80.0	79.4	
* 65 Acenaphthene-d10	164	7.633	7.633	0.000	92	653675	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.651	7.651	0.000	97	1621765	80.0	79.9	
67 Acenaphthene	154	7.669	7.669	0.000	94	1431562	80.0	75.0	
68 2,4-Dinitrophenol	184	7.698	7.686	0.012	95	470607	160.0	163.5	
69 4-Nitrophenol	65	7.757	7.745	0.012	92	496674	160.0	162.8	
70 2,4-Dinitrotoluene	165	7.822	7.816	0.006	96	424160	80.0	82.4	
71 Dibenzofuran	168	7.839	7.839	0.000	96	2050108	80.0	77.6	
72 2,3,4,6-Tetrachlorophenol	232	7.957	7.957	0.000	96	429937	80.0	80.9	
73 Diethyl phthalate	149	8.063	8.057	0.006	98	1334840	80.0	77.3	
74 4-Chlorophenyl phenyl ethe	204	8.169	8.169	0.000	91	785574	80.0	76.3	
75 Fluorene	166	8.180	8.175	0.005	95	1501037	80.0	74.3	
76 4-Nitroaniline	138	8.204	8.192	0.012	89	317700	80.0	80.3	
77 4,6-Dinitro-2-methylphenol	198	8.233	8.222	0.011	91	532071	160.0	163.7	
78 N-Nitrosodiphenylamine	169	8.292	8.286	0.006	66	1099636	80.0	81.9	
79 1,2-Diphenylhydrazine	77	8.333	8.327	0.006	96	1575627	80.0	81.4	
$ 80 2,4,6-Tribromophenol	330	8.416	8.410	0.006	92	319839	80.0	92.0	
81 4-Bromophenyl phenyl ether	248	8.657	8.651	0.006	96	510279	80.0	85.4	
83 Hexachlorobenzene	284	8.727	8.727	0.000	95	539809	80.0	90.7	
85 Pentachlorophenol	266	8.916	8.916	0.000	95	658508	160.0	182.9	
86 Pentachloronitrobenzene	237	8.933	8.933	0.000	91	173131	80.0	84.4	
87 n-Octadecane	57	8.986	8.980	0.006	92	931691	80.0	82.6	
* 88 Phenanthrene-d10	188	9.104	9.098	0.006	98	825338	40.0	40.0	
89 Phenanthrene	178	9.127	9.122	0.005	98	1849251	80.0	79.5	
90 Anthracene	178	9.175	9.174	0.001	98	1892061	80.0	79.1	
91 Carbazole	167	9.327	9.327	0.000	96	1505136	80.0	79.0	
92 Di-n-butyl phthalate	149	9.663	9.663	0.000	100	1724949	80.0	78.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.298	10.298	0.000	98	1545091	80.0	77.0	
94 Benzidine	184	10.427	10.421	0.006	99	697785	80.0	86.1	
95 Pyrene	202	10.539	10.533	0.006	98	1504819	80.0	79.0	
82 Bisphenol-A	213	10.569	10.568	0.001	99	511731	80.0	85.3	
$ 96 Terphenyl-d14	244	10.692	10.686	0.006	99	1235274	80.0	84.8	
97 Butyl benzyl phthalate	149	11.233	11.233	0.000	98	529631	80.0	79.8	
99 Carbamazepine	193	11.368	11.363	0.005	92	410237	80.0	91.8	
100 3,3'-Dichlorobenzidine	252	11.886	11.886	0.000	98	397323	80.0	90.4	
101 Benzo[a]anthracene	228	11.921	11.921	0.000	98	1077510	80.0	79.8	
* 102 Chrysene-d12	240	11.939	11.939	0.000	99	478968	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.951	11.951	0.000	89	720824	80.0	80.0	
103 Chrysene	228	11.974	11.968	0.006	99	1030296	80.0	80.1	
105 Di-n-octyl phthalate	149	12.839	12.839	0.000	98	1028194	80.0	80.3	
106 Benzo[b]fluoranthene	252	13.386	13.380	0.006	99	899333	80.0	88.7	
107 Benzo[k]fluoranthene	252	13.421	13.421	0.000	99	936553	80.0	81.8	
108 Benzo[a]pyrene	252	13.845	13.839	0.006	98	829667	80.0	91.1	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	363396	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.562	15.562	0.000	98	694435	80.0	79.3	M
111 Dibenz(a,h)anthracene	278	15.604	15.598	0.006	97	721206	80.0	79.6	
112 Benzo[g,h,i]perylene	276	16.033	16.027	0.006	98	743033	80.0	93.2	
S 119 Total Cresols	1				0			158.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L7_00011 Amount Added: 1.00 Units: mL

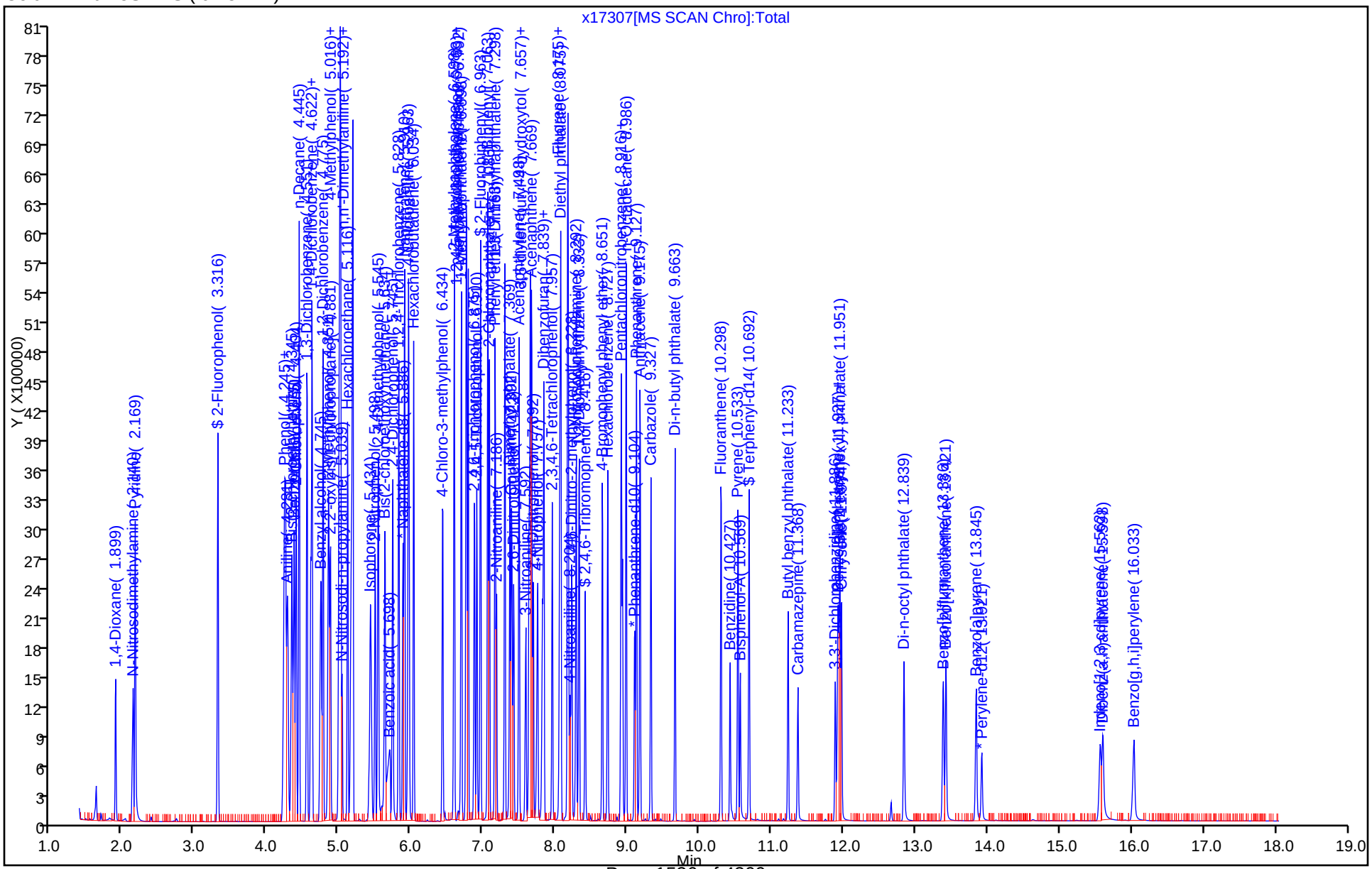
Report Date: 22-Aug-2016 20:17:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17307.D

Injection Date:	22-Aug-2016 13:24:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	std80			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

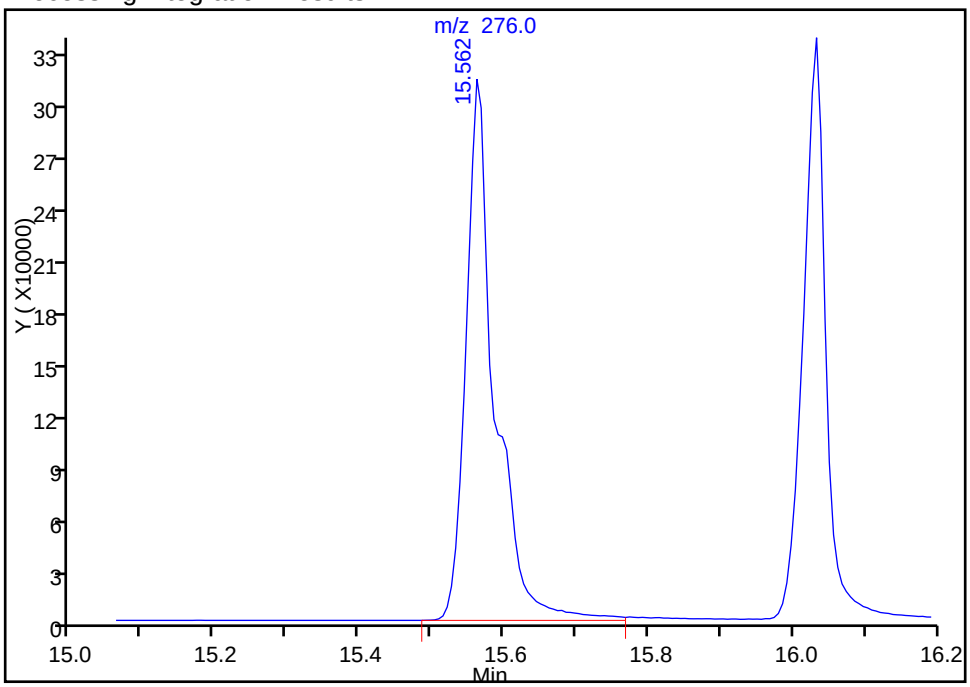
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17307.D				
Injection Date:	22-Aug-2016 13:24:30	Instrument ID:	CBNAMS5		
Lims ID:	std80				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

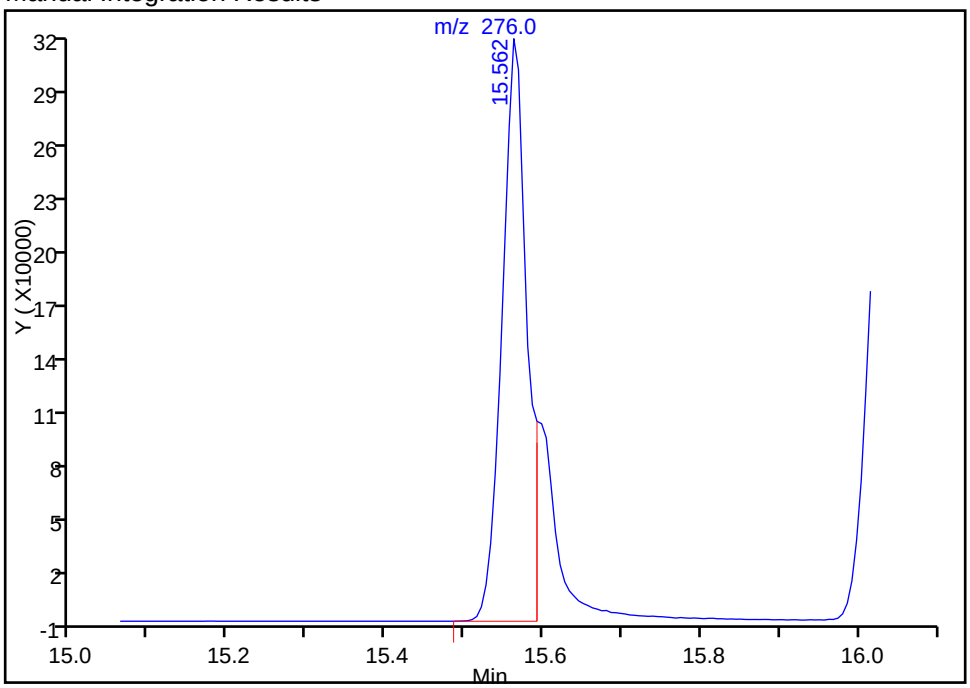
Processing Integration Results

RT: 15.56
Area: 874893
Amount: 91.033746
Amount Units: ug/ml



Manual Integration Results

RT: 15.56
Area: 694435
Amount: 79.306553
Amount Units: ug/ml



Reviewer: croccom, 22-Aug-2016 15:45:16

Audit Action: Manually Integrated Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17308.D
Lims ID: std20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Aug-2016 13:48:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-005
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:17:24 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 15:48:08

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.910	1.893	0.017	94	163148	20.0	20.1	
	2 N-Nitrosodimethylamine	74	2.140	2.134	0.006	86	221093	20.0	20.1	
	3 Pyridine	79	2.181	2.163	0.018	95	393463	20.0	20.2	
$	4 2-Fluorophenol	112	3.316	3.310	0.006	96	339394	20.0	19.1	
$	6 Phenol-d5	99	4.216	4.228	-0.012	91	388260	20.0	19.3	
	7 Phenol	94	4.234	4.245	-0.011	99	409273	20.0	20.0	
	8 Aniline	93	4.269	4.275	-0.006	99	524697	20.0	20.0	
	9 Bis(2-chloroethyl)ether	93	4.328	4.334	-0.006	99	331505	20.0	20.2	
	10 Benzonitrile	103	4.351	4.363	-0.012	66	622089	NC	NC	
	11 2-Chlorophenol	128	4.393	4.398	-0.005	96	364420	20.0	20.5	
	12 n-Decane	43	4.440	4.439	0.001	88	390159	20.0	20.2	
	13 1,3-Dichlorobenzene	146	4.546	4.551	-0.005	95	421406	20.0	20.7	
*	14 1,4-Dichlorobenzene-d4	152	4.599	4.598	0.000	96	521696	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.616	4.616	0.000	95	427971	20.0	21.0	
	16 Benzyl alcohol	108	4.728	4.739	-0.011	93	168278	20.0	18.5	
	17 1,2-Dichlorobenzene	146	4.769	4.775	-0.006	96	395320	20.0	20.9	
	18 2-Methylphenol	108	4.840	4.845	-0.005	87	293791	20.0	20.1	
	19 2,2'-oxybis[1-chloropropan	45	4.869	4.875	-0.006	92	397289	20.0	20.0	
	20 N-Methylaniline	106	4.993	4.992	0.001	86	505799	NC	NC	
	23 3 & 4 Methylphenol	108	4.993	5.004	-0.011	88	331822	20.0	21.1	
	24 4-Methylphenol	108	4.993	5.004	-0.011	83	331822	20.0	21.1	
	21 Acetophenone	105	4.998	5.010	-0.012	90	433182	20.0	21.0	
	22 N-Nitrosodi-n-propylamine	70	4.998	5.010	-0.012	90	224087	20.0	20.0	
	25 Hexachloroethane	117	5.110	5.116	-0.006	95	154916	20.0	20.8	
$	26 Nitrobenzene-d5	82	5.151	5.157	-0.006	87	336347	20.0	19.1	
	28 Nitrobenzene	77	5.175	5.181	-0.006	93	485996	20.0	20.9	
	27 n,n'-Dimethylaniline	120	5.175	5.181	-0.006	93	514935	20.0	20.8	
	31 Isophorone	82	5.410	5.422	-0.012	99	564543	20.0	20.4	
	32 2-Nitrophenol	139	5.493	5.492	0.001	92	174596	20.0	20.2	
	33 2,4-Dimethylphenol	122	5.528	5.534	-0.006	91	273240	20.0	20.9	
	34 Bis(2-chloroethoxy)methane	93	5.628	5.628	0.000	99	346796	20.0	20.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.634	5.675	-0.041	86	173634	20.0	20.5	
36 2,4-Dichlorophenol	162	5.734	5.739	-0.005	96	264371	20.0	21.7	
37 1,2,4-Trichlorobenzene	180	5.822	5.822	0.000	94	312305	20.0	21.1	
* 38 Naphthalene-d8	136	5.881	5.881	0.000	99	1704027	40.0	40.0	
39 Naphthalene	128	5.898	5.904	-0.006	99	943509	20.0	21.2	
40 4-Chloroaniline	127	5.951	5.957	-0.006	97	370840	20.0	20.9	
41 Hexachlorobutadiene	225	6.028	6.033	-0.005	96	185618	20.0	21.7	
43 4-Chloro-3-methylphenol	107	6.428	6.433	-0.005	96	230139	20.0	21.2	
44 2-Methylnaphthalene	142	6.592	6.592	0.000	85	588617	20.0	21.0	
45 1-Methylnaphthalene	142	6.692	6.692	0.000	93	543841	20.0	21.1	
46 Hexachlorocyclopentadiene	237	6.757	6.757	0.000	97	187054	20.0	21.0	
47 1,2,4,5-Tetrachlorobenzene	216	6.763	6.769	-0.006	98	297220	20.0	21.5	
48 2-tertbutyl-4-methylphenol	149	6.787	6.786	0.001	92	398016	20.0	20.8	
49 2,4,6-Trichlorophenol	196	6.869	6.875	-0.006	91	174041	20.0	20.3	
50 2,4,5-Trichlorophenol	196	6.904	6.910	-0.006	97	172368	20.0	20.6	
$ 51 2-Fluorobiphenyl	172	6.957	6.957	0.000	98	620347	20.0	19.4	
52 1,1'-Biphenyl	154	7.057	7.057	0.000	94	687736	20.0	21.1	
53 2-Chloronaphthalene	162	7.075	7.080	-0.005	98	528335	20.0	20.8	
54 Phenyl ether	170	7.157	7.163	-0.006	87	376757	20.0	20.7	
56 2-Nitroaniline	65	7.175	7.180	-0.005	97	175277	20.0	20.5	
57 1,3-Dimethylnaphthalene	156	7.292	7.298	-0.006	93	451336	20.0	21.0	
58 Dimethyl phthalate	163	7.357	7.363	-0.006	99	509018	20.0	20.9	
59 Coumarin	146	7.381	7.386	-0.005	75	161657	20.0	21.3	
60 2,6-Dinitrotoluene	165	7.410	7.416	-0.006	97	120354	20.0	21.7	
61 Acenaphthylene	152	7.492	7.492	0.000	98	767783	20.0	21.1	
64 3-Nitroaniline	138	7.581	7.586	-0.005	97	123746	20.0	21.0	
* 65 Acenaphthene-d10	164	7.634	7.633	0.001	93	834292	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.645	7.651	-0.006	96	549789	20.0	21.2	
67 Acenaphthene	154	7.663	7.669	-0.006	94	544692	20.0	22.4	
68 2,4-Dinitrophenol	184	7.681	7.686	-0.005	70	144677	40.0	41.4	
69 4-Nitrophenol	65	7.739	7.745	-0.006	92	158676	40.0	40.8	
70 2,4-Dinitrotoluene	165	7.810	7.816	-0.006	96	147256	20.0	22.4	
71 Dibenzofuran	168	7.834	7.839	-0.005	96	713190	20.0	21.1	
72 2,3,4,6-Tetrachlorophenol	232	7.951	7.957	-0.006	95	141330	20.0	20.8	
73 Diethyl phthalate	149	8.051	8.057	-0.006	99	467115	20.0	21.2	
74 4-Chlorophenyl phenyl ethe	204	8.169	8.169	0.000	90	286725	20.0	21.8	
75 Fluorene	166	8.169	8.175	-0.006	96	563538	20.0	21.9	
76 4-Nitroaniline	138	8.181	8.192	-0.011	90	112636	20.0	22.3	
77 4,6-Dinitro-2-methylphenol	198	8.216	8.222	-0.006	90	179284	40.0	40.5	
78 N-Nitrosodiphenylamine	169	8.281	8.286	-0.005	66	382146	20.0	20.2	
79 1,2-Diphenylhydrazine	77	8.322	8.327	-0.005	96	536189	20.0	19.6	
$ 80 2,4,6-Tribromophenol	330	8.410	8.410	0.000	94	87008	20.0	19.6	
81 4-Bromophenyl phenyl ether	248	8.645	8.651	-0.006	94	169955	20.0	20.1	
83 Hexachlorobenzene	284	8.722	8.727	-0.005	96	178583	20.0	21.2	
85 Pentachlorophenol	266	8.910	8.916	-0.006	95	209408	40.0	41.2	
86 Pentachloronitrobenzene	237	8.928	8.933	-0.005	90	57920	20.0	20.0	
87 n-Octadecane	57	8.981	8.980	0.001	93	305072	20.0	19.2	
* 88 Phenanthrene-d10	188	9.098	9.098	0.000	98	1165816	40.0	40.0	
89 Phenanthrene	178	9.122	9.122	0.000	97	675641	20.0	20.6	
90 Anthracene	178	9.169	9.174	-0.005	99	700106	20.0	20.7	
91 Carbazole	167	9.322	9.327	-0.005	96	559300	20.0	20.8	
92 Di-n-butyl phthalate	149	9.657	9.663	-0.006	100	644453	20.0	20.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.298	10.298	0.000	98	602028	20.0	21.2	
94 Benzidine	184	10.422	10.421	0.001	99	258244	20.0	22.6	
95 Pyrene	202	10.533	10.533	0.000	98	583356	20.0	20.7	
82 Bisphenol-A	213	10.569	10.568	0.001	99	18330	20.0	20.1	
$ 96 Terphenyl-d14	244	10.686	10.686	0.000	99	433091	20.0	20.1	
97 Butyl benzyl phthalate	149	11.227	11.233	-0.006	98	199886	20.0	20.4	
99 Carbamazepine	193	11.363	11.363	0.000	92	131258	20.0	19.9	
100 3,3'-Dichlorobenzidine	252	11.880	11.886	-0.006	99	144950	20.0	22.3	
101 Benzo[a]anthracene	228	11.922	11.921	0.001	98	410771	20.0	20.6	
* 102 Chrysene-d12	240	11.933	11.939	-0.006	99	707719	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.945	11.951	-0.006	88	272747	20.0	20.5	
103 Chrysene	228	11.969	11.968	0.001	99	392890	20.0	20.7	
105 Di-n-octyl phthalate	149	12.839	12.839	0.000	97	351606	20.0	21.0	
106 Benzo[b]fluoranthene	252	13.374	13.380	-0.006	98	299754	20.0	22.6	
107 Benzo[k]fluoranthene	252	13.416	13.421	-0.005	98	321172	20.0	21.4	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	98	262357	20.0	22.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	475522	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.551	15.562	-0.011	99	187000	20.0	17.9	M
111 Dibenz(a,h)anthracene	278	15.592	15.598	-0.006	96	208623	20.0	19.1	
112 Benzo[g,h,i]perylene	276	16.015	16.027	-0.012	98	212703	20.0	20.4	
S 119 Total Cresols	1				0			41.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L5_00011 Amount Added: 1.00 Units: mL

Report Date: 22-Aug-2016 20:17:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17308.D

Injection Date: 22-Aug-2016 13:48:30 Instrument ID: CBNAMS5 Operator ID:

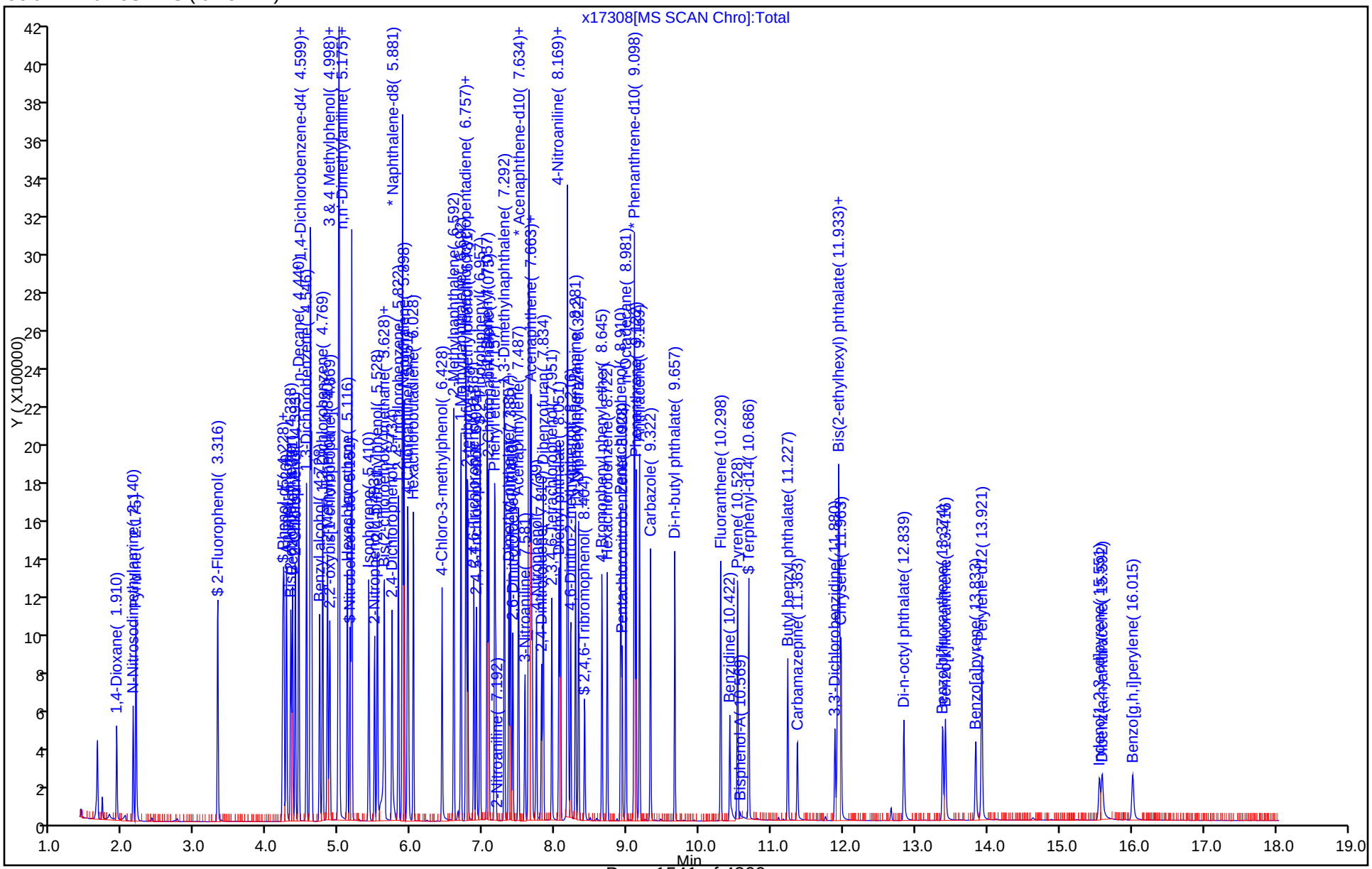
Lims ID: std20 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

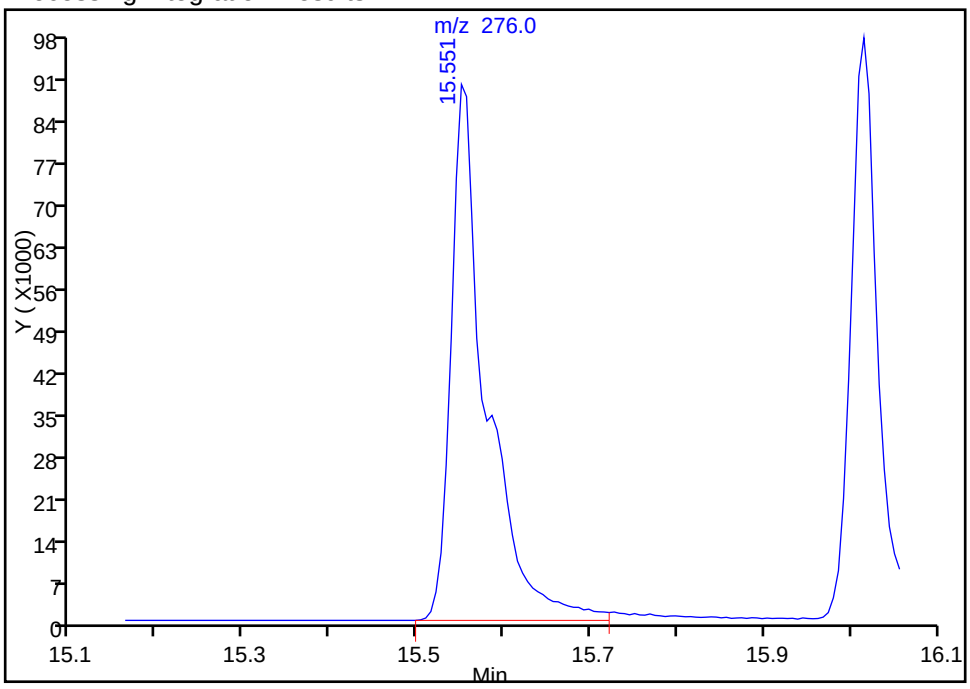
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17308.D				
Injection Date:	22-Aug-2016 13:48:30	Instrument ID:	CBNAMS5		
Lims ID:	std20				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

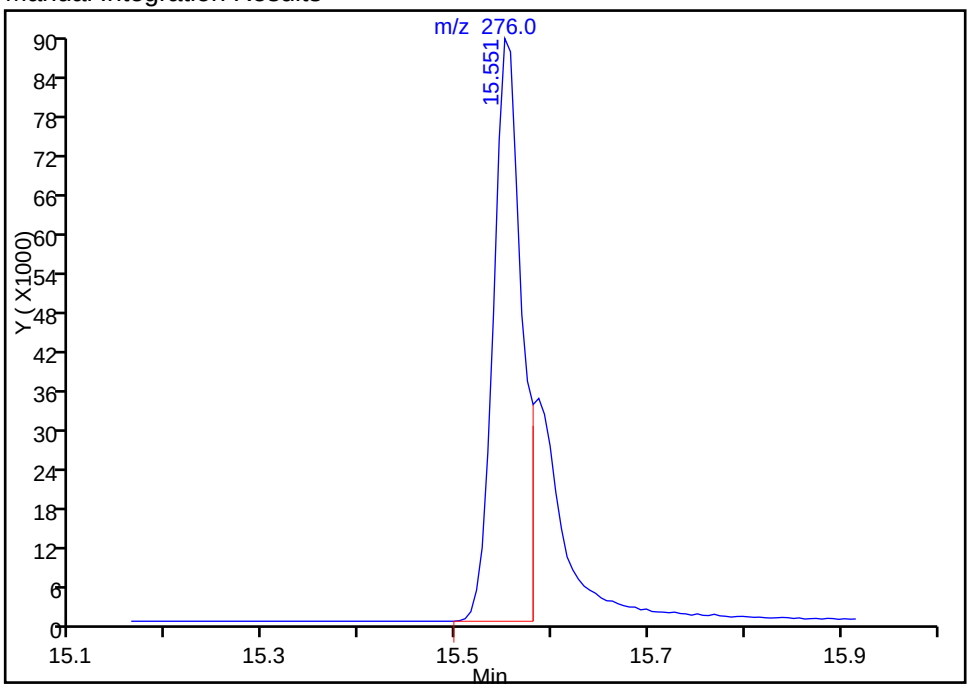
Processing Integration Results

RT: 15.55
Area: 255917
Amount: 22.434519
Amount Units: ug/ml



Manual Integration Results

RT: 15.55
Area: 187000
Amount: 17.942170
Amount Units: ug/ml



Reviewer: croccom, 22-Aug-2016 15:48:08

Audit Action: Manually Integrated Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17309.D
Lims ID: std10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Aug-2016 14:12:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-006
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:17:32 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 15:51:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.916	1.893	0.023	95	83049	10.0	10.2	
2 N-Nitrosodimethylamine	74	2.140	2.134	0.006	85	112531	10.0	10.2	
3 Pyridine	79	2.181	2.163	0.018	95	200971	10.0	10.3	
$ 4 2-Fluorophenol	112	3.316	3.310	0.006	95	171106	10.0	9.60	
$ 6 Phenol-d5	99	4.210	4.228	-0.018	90	199444	10.0	9.92	
7 Phenol	94	4.228	4.245	-0.017	99	202250	10.0	9.86	
8 Aniline	93	4.263	4.275	-0.012	99	269590	10.0	10.3	
9 Bis(2-chloroethyl)ether	93	4.322	4.334	-0.012	98	167530	10.0	10.2	
10 Benzonitrile	103	4.346	4.363	-0.017	67	321035	NC	NC	
11 2-Chlorophenol	128	4.387	4.398	-0.011	95	181579	10.0	10.2	
12 n-Decane	43	4.440	4.439	0.001	89	207805	10.0	10.8	
13 1,3-Dichlorobenzene	146	4.546	4.551	-0.005	95	210642	10.0	10.3	
* 14 1,4-Dichlorobenzene-d4	152	4.598	4.598	0.000	97	522212	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.616	4.616	0.000	96	212258	10.0	10.4	
16 Benzyl alcohol	108	4.722	4.739	-0.017	92	76425	10.0	8.39	
17 1,2-Dichlorobenzene	146	4.769	4.775	-0.006	94	195232	10.0	10.3	
18 2-Methylphenol	108	4.834	4.845	-0.011	87	149967	10.0	10.2	
19 2,2'-oxybis[1-chloropropan	45	4.869	4.875	-0.006	92	210763	10.0	10.6	
20 N-Methylaniline	106	4.987	4.992	-0.005	79	265505	NC	NC	
23 3 & 4 Methylphenol	108	4.987	5.004	-0.017	87	162890	10.0	10.3	
24 4-Methylphenol	108	4.987	5.004	-0.017	82	162890	10.0	10.3	
21 Acetophenone	105	4.998	5.010	-0.012	91	222469	10.0	10.8	
22 N-Nitrosodi-n-propylamine	70	4.998	5.010	-0.012	75	119197	10.0	10.6	
25 Hexachloroethane	117	5.110	5.116	-0.006	94	77970	10.0	10.4	
$ 26 Nitrobenzene-d5	82	5.151	5.157	-0.006	87	177175	10.0	10.1	
28 Nitrobenzene	77	5.169	5.181	-0.012	95	250867	10.0	10.9	
27 n,n'-Dimethylaniline	120	5.175	5.181	-0.006	95	267529	10.0	10.8	
31 Isophorone	82	5.404	5.422	-0.018	99	284693	10.0	10.4	
32 2-Nitrophenol	139	5.487	5.492	-0.005	88	85785	10.0	10.0	
33 2,4-Dimethylphenol	122	5.528	5.534	-0.006	91	127618	10.0	9.87	
34 Bis(2-chloroethoxy)methane	93	5.622	5.628	-0.006	99	175933	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.610	5.675	-0.065	89	97637	10.0	11.6	
36 2,4-Dichlorophenol	162	5.734	5.739	-0.005	95	124878	10.0	10.4	
37 1,2,4-Trichlorobenzene	180	5.822	5.822	0.000	94	152952	10.0	10.5	
* 38 Naphthalene-d8	136	5.881	5.881	0.000	99	1686673	40.0	40.0	
39 Naphthalene	128	5.898	5.904	-0.006	99	470590	10.0	10.7	
40 4-Chloroaniline	127	5.945	5.957	-0.012	96	185933	10.0	10.6	
41 Hexachlorobutadiene	225	6.028	6.033	-0.005	96	89149	10.0	10.5	
43 4-Chloro-3-methylphenol	107	6.428	6.433	-0.005	96	106147	10.0	9.90	
44 2-Methylnaphthalene	142	6.587	6.592	-0.005	86	295731	10.0	10.7	
45 1-Methylnaphthalene	142	6.687	6.692	-0.005	93	271858	10.0	10.7	
46 Hexachlorocyclopentadiene	237	6.757	6.757	0.000	97	84245	10.0	9.65	
47 1,2,4,5-Tetrachlorobenzene	216	6.757	6.769	-0.012	97	143373	10.0	10.6	
48 2-tertbutyl-4-methylphenol	149	6.781	6.786	-0.005	92	196138	10.0	10.3	
49 2,4,6-Trichlorophenol	196	6.869	6.875	-0.006	91	85542	10.0	10.2	
50 2,4,5-Trichlorophenol	196	6.898	6.910	-0.012	97	80389	10.0	9.82	
$ 51 2-Fluorobiphenyl	172	6.951	6.957	-0.006	98	310079	10.0	9.89	
52 1,1'-Biphenyl	154	7.051	7.057	-0.006	95	337563	10.0	10.6	
53 2-Chloronaphthalene	162	7.075	7.080	-0.005	97	262635	10.0	10.5	
54 Phenyl ether	170	7.157	7.163	-0.006	89	185143	10.0	10.4	
56 2-Nitroaniline	65	7.169	7.180	-0.011	98	90435	10.0	10.8	
57 1,3-Dimethylnaphthalene	156	7.292	7.298	-0.006	93	224382	10.0	10.7	
58 Dimethyl phthalate	163	7.351	7.363	-0.012	99	247174	10.0	10.4	
59 Coumarin	146	7.375	7.386	-0.011	74	79734	10.0	10.6	
60 2,6-Dinitrotoluene	165	7.410	7.416	-0.006	96	59151	10.0	10.9	
61 Acenaphthylene	152	7.487	7.492	-0.005	98	380792	10.0	10.7	
64 3-Nitroaniline	138	7.575	7.586	-0.011	96	59856	10.0	10.3	
* 65 Acenaphthene-d10	164	7.628	7.633	-0.005	93	817444	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.645	7.651	-0.006	96	264587	10.0	10.4	
67 Acenaphthene	154	7.663	7.669	-0.006	96	263762	10.0	11.1	
68 2,4-Dinitrophenol	184	7.675	7.686	-0.011	95	58568	20.0	18.6	
69 4-Nitrophenol	65	7.734	7.745	-0.011	92	76483	20.0	20.0	
70 2,4-Dinitrotoluene	165	7.804	7.816	-0.012	95	69286	10.0	10.8	
71 Dibenzofuran	168	7.828	7.839	-0.011	96	350478	10.0	10.6	
72 2,3,4,6-Tetrachlorophenol	232	7.951	7.957	-0.006	95	66707	10.0	10.0	
73 Diethyl phthalate	149	8.045	8.057	-0.012	98	230497	10.0	10.7	
74 4-Chlorophenyl phenyl ethe	204	8.163	8.169	-0.006	88	138552	10.0	10.8	
75 Fluorene	166	8.169	8.175	-0.006	96	277832	10.0	11.0	
76 4-Nitroaniline	138	8.175	8.192	-0.017	92	53368	10.0	10.8	
77 4,6-Dinitro-2-methylphenol	198	8.210	8.222	-0.012	87	79371	20.0	19.7	
78 N-Nitrosodiphenylamine	169	8.275	8.286	-0.011	82	186352	10.0	10.2	
79 1,2-Diphenylhydrazine	77	8.322	8.327	-0.005	97	279504	10.0	10.6	
$ 80 2,4,6-Tribromophenol	330	8.404	8.410	-0.006	95	40001	10.0	9.21	
81 4-Bromophenyl phenyl ether	248	8.645	8.651	-0.006	91	79461	10.0	9.79	
83 Hexachlorobenzene	284	8.722	8.727	-0.005	96	82781	10.0	10.2	
85 Pentachlorophenol	266	8.910	8.916	-0.006	94	92985	20.0	19.0	
86 Pentachloronitrobenzene	237	8.928	8.933	-0.005	90	27361	10.0	9.81	
87 n-Octadecane	57	8.981	8.980	0.001	94	155895	10.0	10.2	
* 88 Phenanthrene-d10	188	9.098	9.098	0.000	99	1121670	40.0	40.0	
89 Phenanthrene	178	9.116	9.122	-0.006	97	334135	10.0	10.6	
90 Anthracene	178	9.169	9.174	-0.005	99	340800	10.0	10.5	
91 Carbazole	167	9.322	9.327	-0.005	96	275005	10.0	10.6	
92 Di-n-butyl phthalate	149	9.657	9.663	-0.006	100	313562	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.292	10.298	-0.006	98	288914	10.0	10.6	
94 Benzidine	184	10.422	10.421	0.001	99	99338	10.0	9.02	
95 Pyrene	202	10.528	10.533	-0.005	98	283897	10.0	10.6	
$ 96 Terphenyl-d14	244	10.686	10.686	0.000	99	209776	10.0	10.3	
97 Butyl benzyl phthalate	149	11.227	11.233	-0.006	98	97130	10.0	10.4	
99 Carbamazepine	193	11.357	11.363	-0.006	92	57853	10.0	9.23	
100 3,3'-Dichlorobenzidine	252	11.880	11.886	-0.006	99	57039	10.0	9.25	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	97	200330	10.0	10.6	
* 102 Chrysene-d12	240	11.933	11.939	-0.006	99	671812	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.951	11.951	0.000	89	131324	10.0	10.4	
103 Chrysene	228	11.963	11.968	-0.005	99	185385	10.0	10.3	
105 Di-n-octyl phthalate	149	12.839	12.839	0.000	98	161648	10.0	10.3	
106 Benzo[b]fluoranthene	252	13.374	13.380	-0.006	99	130083	10.0	10.5	
107 Benzo[k]fluoranthene	252	13.416	13.421	-0.005	99	153277	10.0	11.0	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	98	120129	10.0	10.8	
* 109 Perylene-d12	264	13.916	13.921	-0.005	99	443527	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.551	15.562	-0.011	99	83319	10.0	8.70	M
111 Dibenz(a,h)anthracene	278	15.586	15.598	-0.012	95	93862	10.0	9.36	M
112 Benzo[g,h,i]perylene	276	16.010	16.027	-0.017	99	96170	10.0	9.88	
S 119 Total Cresols	1				0			20.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L4_00011 Amount Added: 1.00 Units: mL

Report Date: 22-Aug-2016 20:17:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17309.D

Injection Date: 22-Aug-2016 14:12:30 Instrument ID: CBNAMS5 Operator ID:

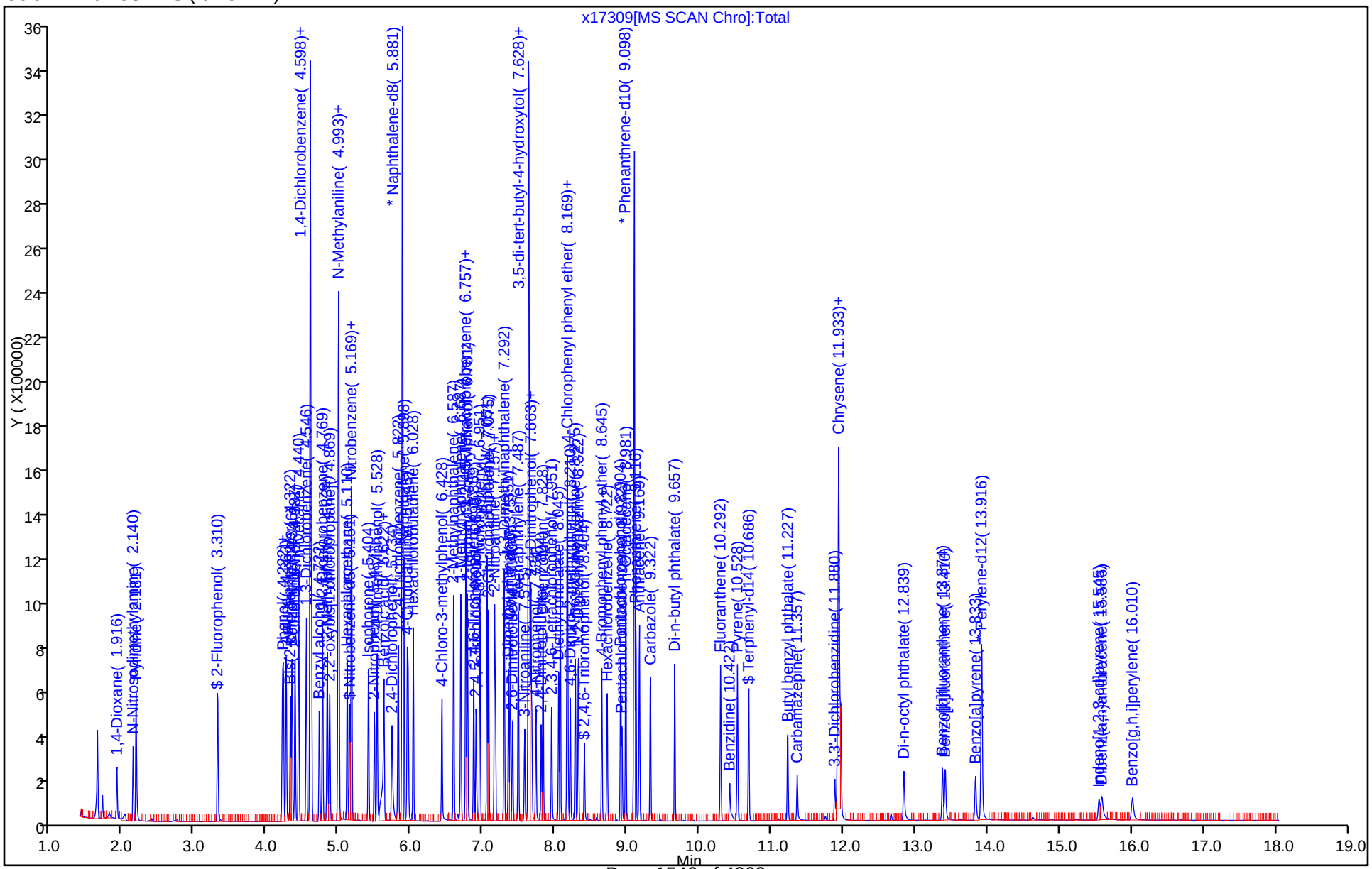
Lims ID: std10 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

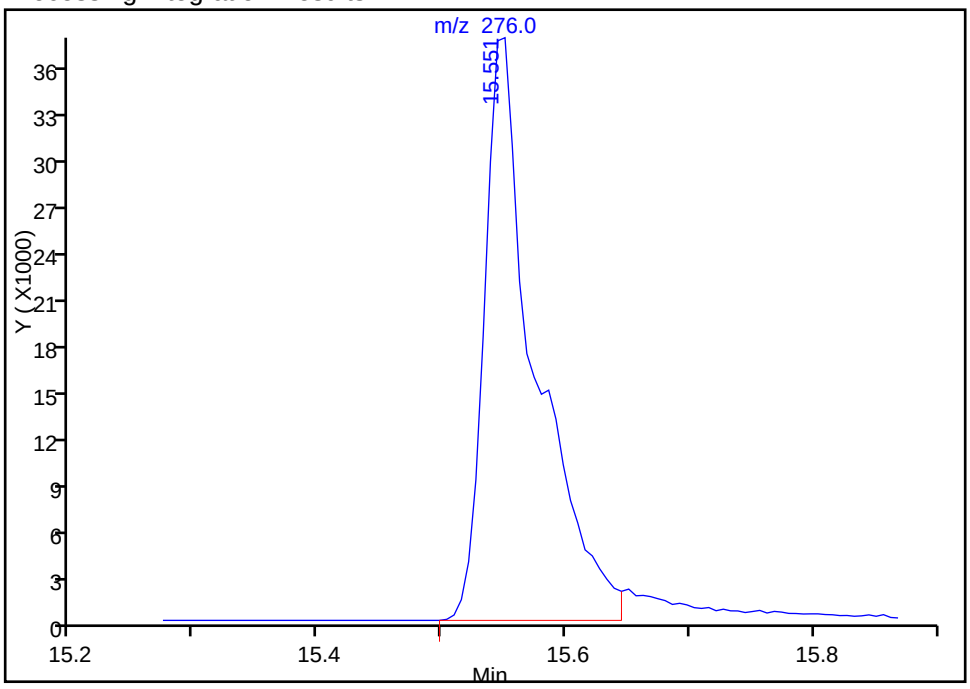
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17309.D				
Injection Date:	22-Aug-2016 14:12:30	Instrument ID:	CBNAMS5		
Lims ID:	std10				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

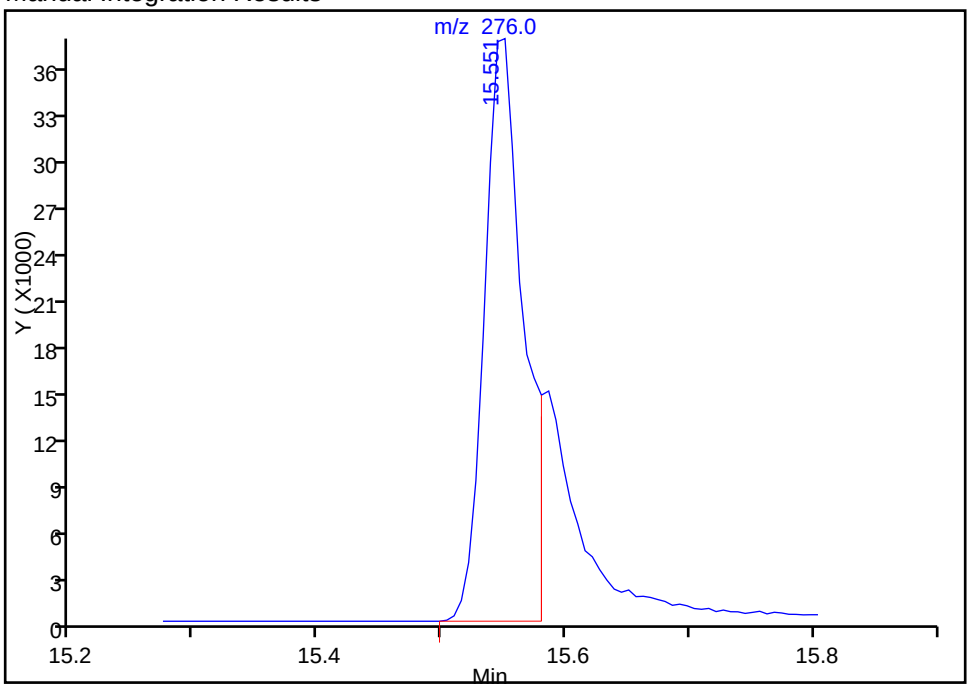
Processing Integration Results

RT: 15.55
Area: 108091
Amount: 10.751060
Amount Units: ug/ml



Manual Integration Results

RT: 15.55
Area: 83319
Amount: 8.701146
Amount Units: ug/ml



Reviewer: croccom, 22-Aug-2016 15:51:12

Audit Action: Manually Integrated Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

TestAmerica Edison

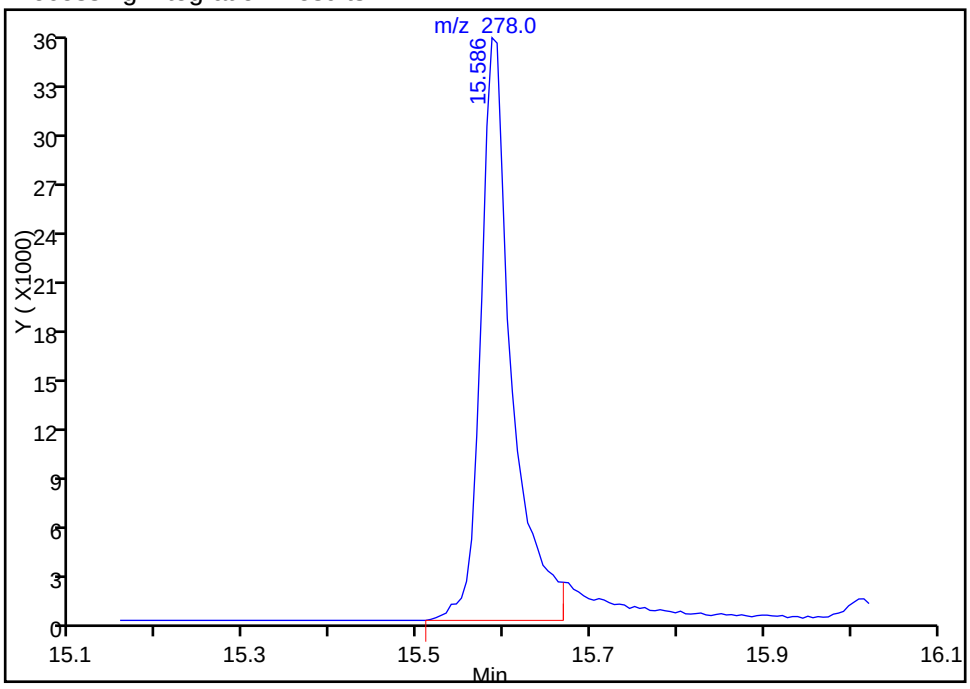
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17309.D				
Injection Date:	22-Aug-2016 14:12:30	Instrument ID:	CBNAMS5		
Lims ID:	std10				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

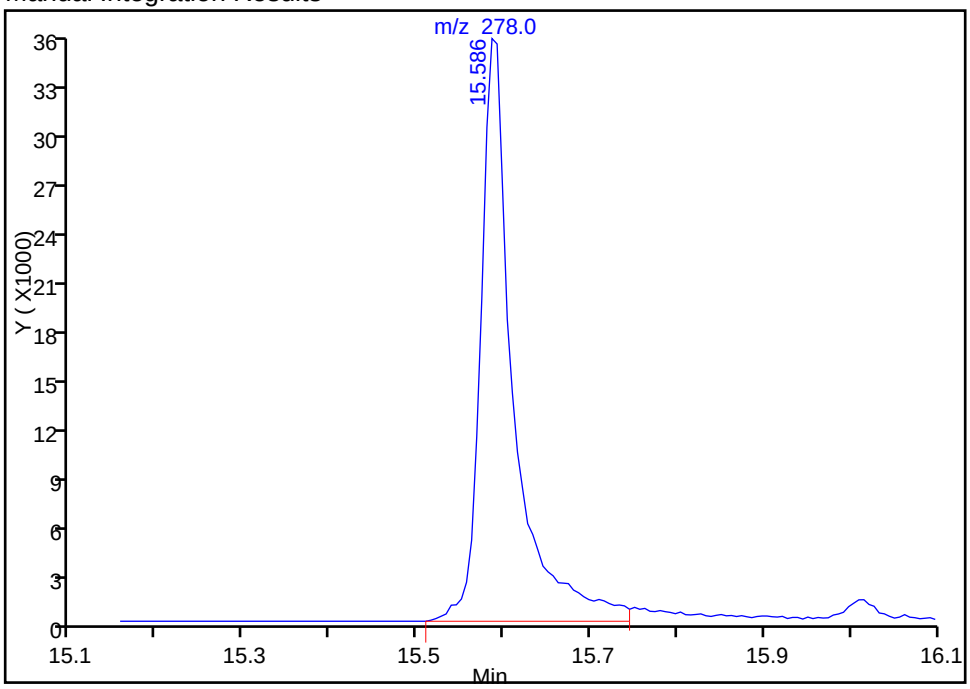
Processing Integration Results

RT: 15.59
Area: 87813
Amount: 8.487837
Amount Units: ug/ml



Manual Integration Results

RT: 15.59
Area: 93862
Amount: 9.364759
Amount Units: ug/ml



Reviewer: croccom, 22-Aug-2016 16:15:02

Audit Action: Manually Integrated Audit Reason: Split Peak

Report Date: 22-Aug-2016 20:17:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17310.D
Lims ID: std5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Aug-2016 14:37:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-007
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:17:41 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 15:53:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.916	1.893	0.023	94	40224	5.00	4.69	
	2 N-Nitrosodimethylamine	74	2.140	2.134	0.006	84	53733	5.00	4.61	
	3 Pyridine	79	2.181	2.163	0.018	95	96075	5.00	4.66	
$	4 2-Fluorophenol	112	3.310	3.310	0.000	94	93605	5.00	4.97	
$	6 Phenol-d5	99	4.210	4.228	-0.018	87	107779	5.00	5.07	
	7 Phenol	94	4.222	4.245	-0.023	99	96600	5.00	4.45	
	8 Aniline	93	4.263	4.275	-0.012	99	130381	5.00	4.69	
	9 Bis(2-chloroethyl)ether	93	4.322	4.334	-0.012	99	83424	5.00	4.80	
	10 Benzonitrile	103	4.340	4.363	-0.023	66	160059	NC	NC	
	11 2-Chlorophenol	128	4.387	4.398	-0.011	96	89623	5.00	4.77	
	12 n-Decane	43	4.440	4.439	0.001	89	100706	5.00	4.93	
	13 1,3-Dichlorobenzene	146	4.545	4.551	-0.006	95	103660	5.00	4.82	
*	14 1,4-Dichlorobenzene-d4	152	4.598	4.598	0.000	97	551890	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.616	4.616	0.000	95	104504	5.00	4.86	
	16 Benzyl alcohol	108	4.722	4.739	-0.017	92	39960	5.00	4.15	
	17 1,2-Dichlorobenzene	146	4.769	4.775	-0.006	95	96704	5.00	4.84	
	18 2-Methylphenol	108	4.834	4.845	-0.011	87	72167	5.00	4.66	
	19 2,2'-oxybis[1-chloropropan	45	4.869	4.875	-0.006	93	103458	5.00	4.92	
	20 N-Methylaniline	106	4.987	4.992	-0.005	83	129902	NC	NC	
	23 3 & 4 Methylphenol	108	4.987	5.004	-0.017	87	80864	5.00	4.85	
	24 4-Methylphenol	108	4.987	5.004	-0.017	81	80864	5.00	4.85	
	21 Acetophenone	105	4.993	5.010	-0.018	91	109185	5.00	5.01	
	22 N-Nitrosodi-n-propylamine	70	4.993	5.010	-0.018	74	57202	5.00	4.82	
	25 Hexachloroethane	117	5.110	5.116	-0.006	93	37784	5.00	4.79	
$	26 Nitrobenzene-d5	82	5.145	5.157	-0.012	87	93893	5.00	5.01	
	28 Nitrobenzene	77	5.169	5.181	-0.012	96	122193	5.00	4.96	
	27 n,n'-Dimethylaniline	120	5.169	5.181	-0.012	94	131758	5.00	5.04	
	31 Isophorone	82	5.404	5.422	-0.018	99	140497	5.00	4.79	
	32 2-Nitrophenol	139	5.487	5.492	-0.005	89	41589	5.00	4.54	
	33 2,4-Dimethylphenol	122	5.528	5.534	-0.006	91	59109	5.00	4.27	
	34 Bis(2-chloroethoxy)methane	93	5.622	5.628	-0.006	99	86731	5.00	4.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.581	5.675	-0.094	92	36119	5.00	4.02	
36 2,4-Dichlorophenol	162	5.734	5.739	-0.005	95	55791	5.00	4.32	
37 1,2,4-Trichlorobenzene	180	5.822	5.822	0.000	94	76944	5.00	4.91	
* 38 Naphthalene-d8	136	5.881	5.881	0.000	99	1807408	40.0	40.0	
39 Naphthalene	128	5.898	5.904	-0.006	100	233198	5.00	4.93	
40 4-Chloroaniline	127	5.945	5.957	-0.012	97	90747	5.00	4.81	
41 Hexachlorobutadiene	225	6.028	6.033	-0.005	95	43998	5.00	4.84	
43 4-Chloro-3-methylphenol	107	6.422	6.433	-0.011	96	48358	5.00	4.21	
44 2-Methylnaphthalene	142	6.587	6.592	-0.006	86	145780	5.00	4.91	
45 1-Methylnaphthalene	142	6.687	6.692	-0.006	93	134118	5.00	4.91	
46 Hexachlorocyclopentadiene	237	6.757	6.757	0.000	98	37857	5.00	4.04	
47 1,2,4,5-Tetrachlorobenzene	216	6.757	6.769	-0.012	97	70919	5.00	4.88	
48 2-tertbutyl-4-methylphenol	149	6.781	6.786	-0.005	92	99675	5.00	4.91	
49 2,4,6-Trichlorophenol	196	6.869	6.875	-0.006	91	41652	5.00	4.62	
50 2,4,5-Trichlorophenol	196	6.898	6.910	-0.012	97	37790	5.00	4.30	
$ 51 2-Fluorobiphenyl	172	6.951	6.957	-0.006	98	175025	5.00	5.21	
52 1,1'-Biphenyl	154	7.051	7.057	-0.006	95	169957	5.00	4.96	
53 2-Chloronaphthalene	162	7.075	7.080	-0.005	97	127515	5.00	4.77	
54 Phenyl ether	170	7.157	7.163	-0.006	87	93136	5.00	4.86	
56 2-Nitroaniline	65	7.169	7.180	-0.011	98	42013	5.00	4.67	
57 1,3-Dimethylnaphthalene	156	7.292	7.298	-0.006	94	112808	5.00	5.00	
58 Dimethyl phthalate	163	7.351	7.363	-0.012	99	122789	5.00	4.80	
59 Coumarin	146	7.375	7.386	-0.011	74	39114	5.00	4.85	
60 2,6-Dinitrotoluene	165	7.404	7.416	-0.012	96	27635	5.00	4.75	
61 Acenaphthylene	152	7.486	7.492	-0.006	98	187635	5.00	4.90	
64 3-Nitroaniline	138	7.575	7.586	-0.011	96	28631	5.00	4.61	
* 65 Acenaphthene-d10	164	7.628	7.633	-0.005	93	876659	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.639	7.651	-0.012	97	129814	5.00	4.77	
67 Acenaphthene	154	7.657	7.669	-0.012	93	128437	5.00	5.02	
68 2,4-Dinitrophenol	184	7.675	7.686	-0.011	71	24109	10.0	8.76	
69 4-Nitrophenol	65	7.728	7.745	-0.017	92	35791	10.0	8.75	
70 2,4-Dinitrotoluene	165	7.804	7.816	-0.012	96	33397	5.00	4.84	
71 Dibenzofuran	168	7.828	7.839	-0.011	96	172817	5.00	4.88	
72 2,3,4,6-Tetrachlorophenol	232	7.951	7.957	-0.006	94	31751	5.00	4.45	
73 Diethyl phthalate	149	8.045	8.057	-0.012	98	113865	5.00	4.92	
74 4-Chlorophenyl phenyl ethe	204	8.163	8.169	-0.006	90	67470	5.00	4.89	
75 Fluorene	166	8.169	8.175	-0.006	96	136212	5.00	5.03	
76 4-Nitroaniline	138	8.175	8.192	-0.017	90	24626	5.00	4.64	
77 4,6-Dinitro-2-methylphenol	198	8.204	8.222	-0.018	88	34329	10.0	8.89	
78 N-Nitrosodiphenylamine	169	8.275	8.286	-0.011	66	91511	5.00	4.53	
79 1,2-Diphenylhydrazine	77	8.316	8.327	-0.011	98	130930	5.00	4.50	
$ 80 2,4,6-Tribromophenol	330	8.404	8.410	-0.006	94	22486	5.00	4.82	
81 4-Bromophenyl phenyl ether	248	8.645	8.651	-0.006	91	38014	5.00	4.23	
83 Hexachlorobenzene	284	8.716	8.727	-0.011	97	39986	5.00	4.47	
85 Pentachlorophenol	266	8.904	8.916	-0.012	94	46608	10.0	8.61	
86 Pentachloronitrobenzene	237	8.922	8.933	-0.011	89	13292	5.00	4.31	
87 n-Octadecane	57	8.975	8.980	-0.005	94	72929	5.00	4.30	
* 88 Phenanthrene-d10	188	9.098	9.098	0.000	98	1241056	40.0	40.0	
89 Phenanthrene	178	9.116	9.122	-0.006	97	166061	5.00	4.75	
90 Anthracene	178	9.169	9.174	-0.005	99	168065	5.00	4.67	
91 Carbazole	167	9.322	9.327	-0.005	96	137343	5.00	4.80	
92 Di-n-butyl phthalate	149	9.657	9.663	-0.006	100	155709	5.00	4.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.292	10.298	-0.006	98	146739	5.00	4.86	
94 Benzidine	184	10.422	10.421	0.001	99	51229	5.00	4.21	
95 Pyrene	202	10.527	10.533	-0.006	98	145216	5.00	4.59	
$ 96 Terphenyl-d14	244	10.686	10.686	0.000	99	117329	5.00	4.86	
97 Butyl benzyl phthalate	149	11.227	11.233	-0.006	98	49316	5.00	4.48	
99 Carbamazepine	193	11.357	11.363	-0.006	92	28670	5.00	3.87	
100 3,3'-Dichlorobenzidine	252	11.880	11.886	-0.006	99	31281	5.00	4.29	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	97	106995	5.00	4.78	
* 102 Chrysene-d12	240	11.933	11.939	-0.006	99	794224	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.951	11.951	0.000	89	66180	5.00	4.43	
103 Chrysene	228	11.963	11.968	-0.005	99	101055	5.00	4.74	
105 Di-n-octyl phthalate	149	12.839	12.839	0.000	98	77469	5.00	4.20	
106 Benzo[b]fluoranthene	252	13.374	13.380	-0.006	99	67286	5.00	4.61	
107 Benzo[k]fluoranthene	252	13.415	13.421	-0.006	98	81472	5.00	4.94	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	98	60202	5.00	4.59	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	523142	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.545	15.562	-0.017	98	44271	5.00	3.95	M
111 Dibenz(a,h)anthracene	278	15.586	15.598	-0.012	96	44265	5.00	3.78	
112 Benzo[g,h,i]perylene	276	16.009	16.027	-0.018	98	45177	5.00	3.94	
S 119 Total Cresols	1				0			9.51	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L3_00013 Amount Added: 1.00 Units: mL

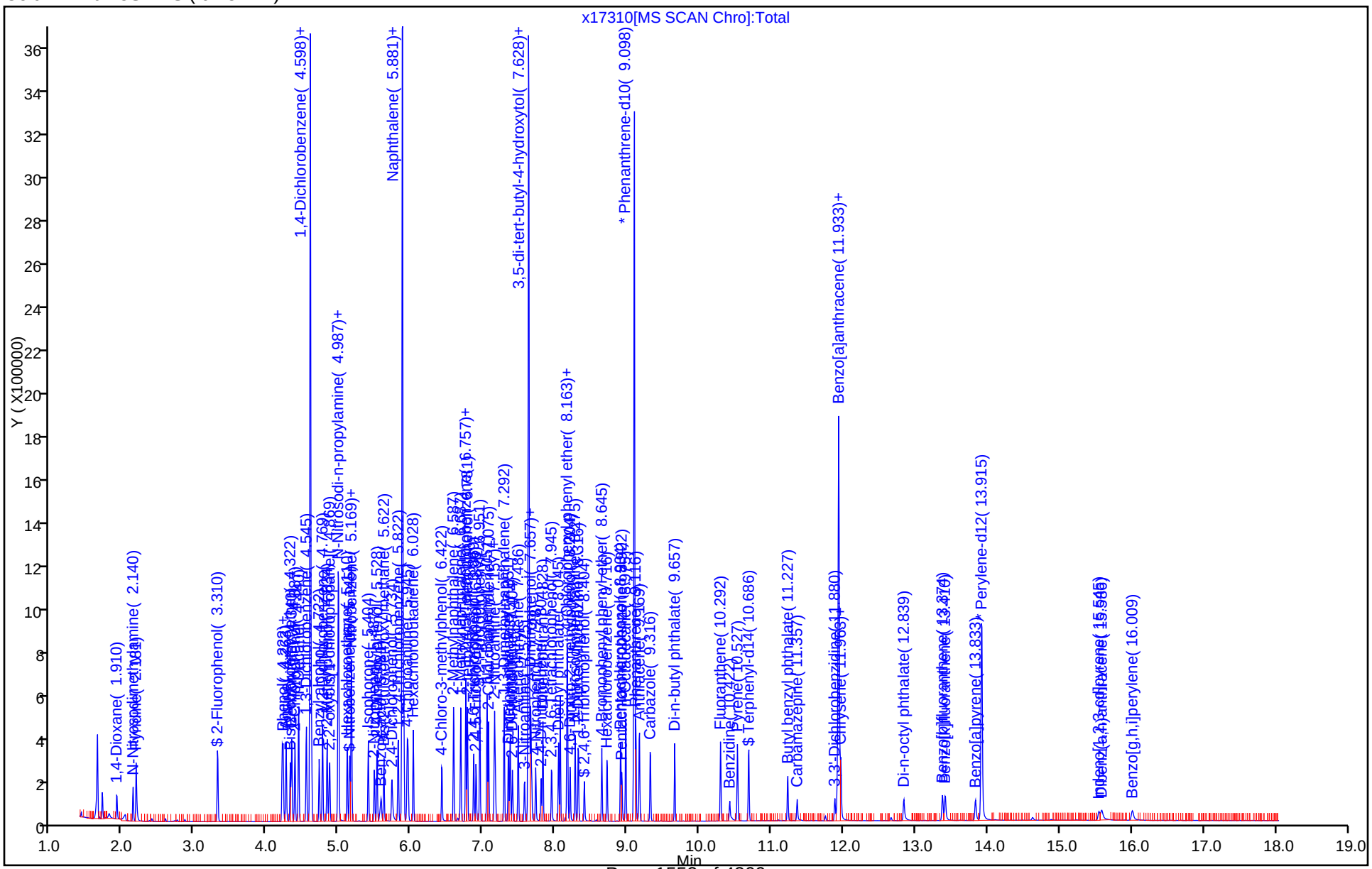
Report Date: 22-Aug-2016 20:17:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17310.D

Injection Date:	22-Aug-2016 14:37:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	std5			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

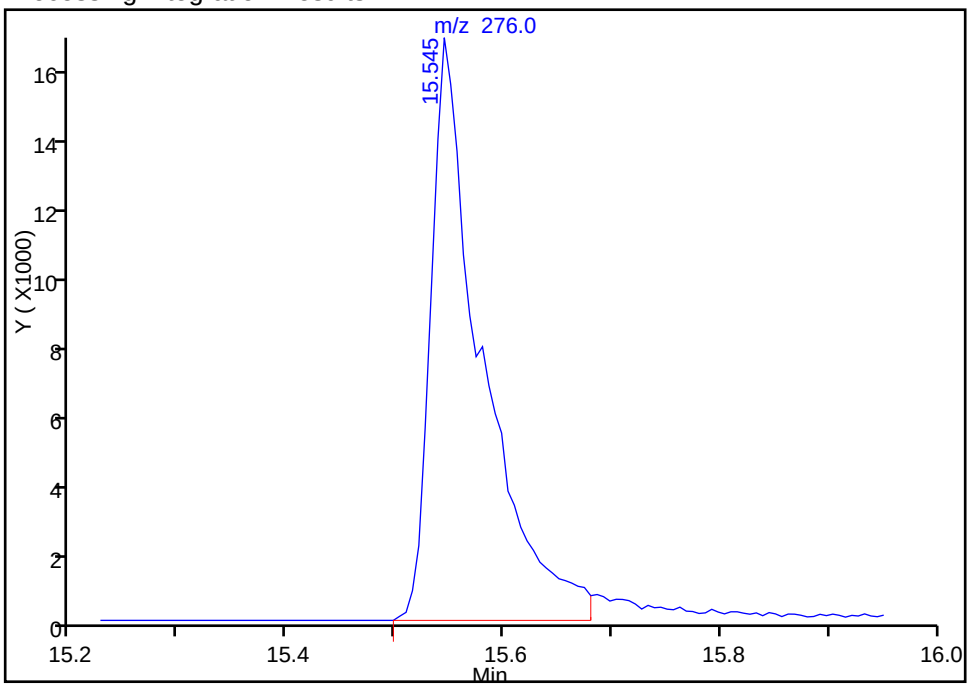
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17310.D				
Injection Date:	22-Aug-2016 14:37:30	Instrument ID:	CBNAMS5		
Lims ID:	std5				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

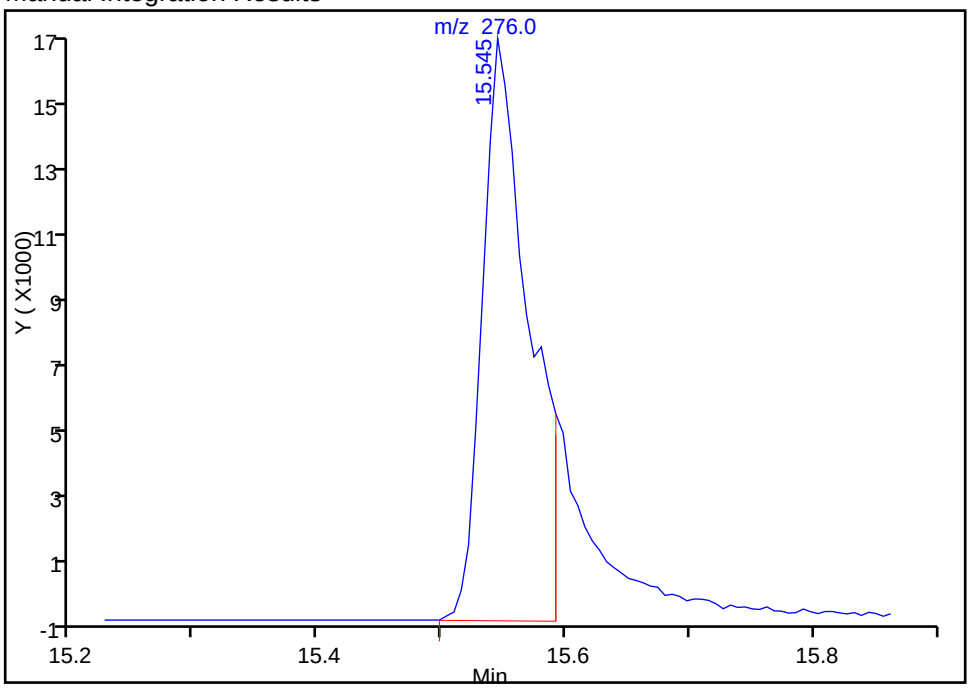
Processing Integration Results

RT: 15.54
Area: 54697
Amount: 4.694951
Amount Units: ug/ml



Manual Integration Results

RT: 15.54
Area: 44271
Amount: 3.950549
Amount Units: ug/ml



Reviewer: bayoumiw, 22-Aug-2016 19:45:13

Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17311.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Aug-2016 15:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-008
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:17:47 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 15:54:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.316	3.310	0.006	94	36011	2.00	2.03	
$ 6 Phenol-d5	99	4.210	4.228	-0.018	93	38990	2.00	1.95	
9 Bis(2-chloroethyl)ether	93	4.322	4.334	-0.012	99	32596	2.00	1.99	
* 14 1,4-Dichlorobenzene-d4	152	4.598	4.598	0.000	97	518599	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.993	5.010	-0.017	87	23411	2.00	2.10	
25 Hexachloroethane	117	5.110	5.116	-0.006	94	14696	2.00	1.98	
$ 26 Nitrobenzene-d5	82	5.145	5.157	-0.012	88	36498	2.00	2.08	
28 Nitrobenzene	77	5.169	5.181	-0.012	93	47004	2.00	2.04	
27 n,n'-Dimethylaniline	120	5.169	5.181	-0.012	92	50245	2.00	2.04	
31 Isophorone	82	5.404	5.422	-0.018	99	53951	2.00	1.96	
36 2,4-Dichlorophenol	162	5.734	5.739	-0.005	95	19234	2.00	1.59	
37 1,2,4-Trichlorobenzene	180	5.822	5.822	0.000	94	28958	2.00	1.97	
* 38 Naphthalene-d8	136	5.881	5.881	0.000	100	1695371	40.0	40.0	
41 Hexachlorobutadiene	225	6.028	6.033	-0.005	94	16230	2.00	1.90	
49 2,4,6-Trichlorophenol	196	6.869	6.875	-0.006	90	15241	2.00	1.81	
$ 51 2-Fluorobiphenyl	172	6.951	6.957	-0.006	98	65646	2.00	2.09	
60 2,6-Dinitrotoluene	165	7.404	7.416	-0.012	96	10296	2.00	1.89	
* 65 Acenaphthene-d10	164	7.628	7.633	-0.005	93	819791	40.0	40.0	
68 2,4-Dinitrophenol	184	7.675	7.686	-0.011	51	5905	4.00	4.23	
70 2,4-Dinitrotoluene	165	7.804	7.816	-0.012	95	12133	2.00	1.88	
77 4,6-Dinitro-2-methylphenol	198	8.204	8.222	-0.018	87	10277	4.00	4.18	
$ 80 2,4,6-Tribromophenol	330	8.404	8.410	-0.006	94	8161	2.00	1.87	
83 Hexachlorobenzene	284	8.716	8.727	-0.011	97	15010	2.00	1.79	
85 Pentachlorophenol	266	8.904	8.916	-0.012	93	14781	4.00	2.92	
* 88 Phenanthrene-d10	188	9.098	9.098	0.000	99	1160498	40.0	40.0	
$ 96 Terphenyl-d14	244	10.680	10.686	-0.006	99	42395	2.00	1.95	
100 3,3'-Dichlorobenzidine	252	11.880	11.886	-0.006	98	9555	2.00	1.46	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	97	39085	2.00	1.94	
* 102 Chrysene-d12	240	11.933	11.939	-0.006	99	713557	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.368	13.380	-0.012	99	23884	2.00	1.82	
107 Benzo[k]fluoranthene	252	13.410	13.421	-0.011	99	26096	2.00	1.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	98	20956	2.00	1.78	
* 109 Perylene-d12	264	13.915	13.921	-0.006	99	470863	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.545	15.562	-0.017	98	19756	2.00	1.97	M
111 Dibenz(a,h)anthracene	278	15.586	15.598	-0.012	95	16594	2.00	1.58	M
112 Benzo[g,h,i]perylene	276	16.004	16.027	-0.023	98	15825	2.00	1.53	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L0_00009 Amount Added: 1.00 Units: mL

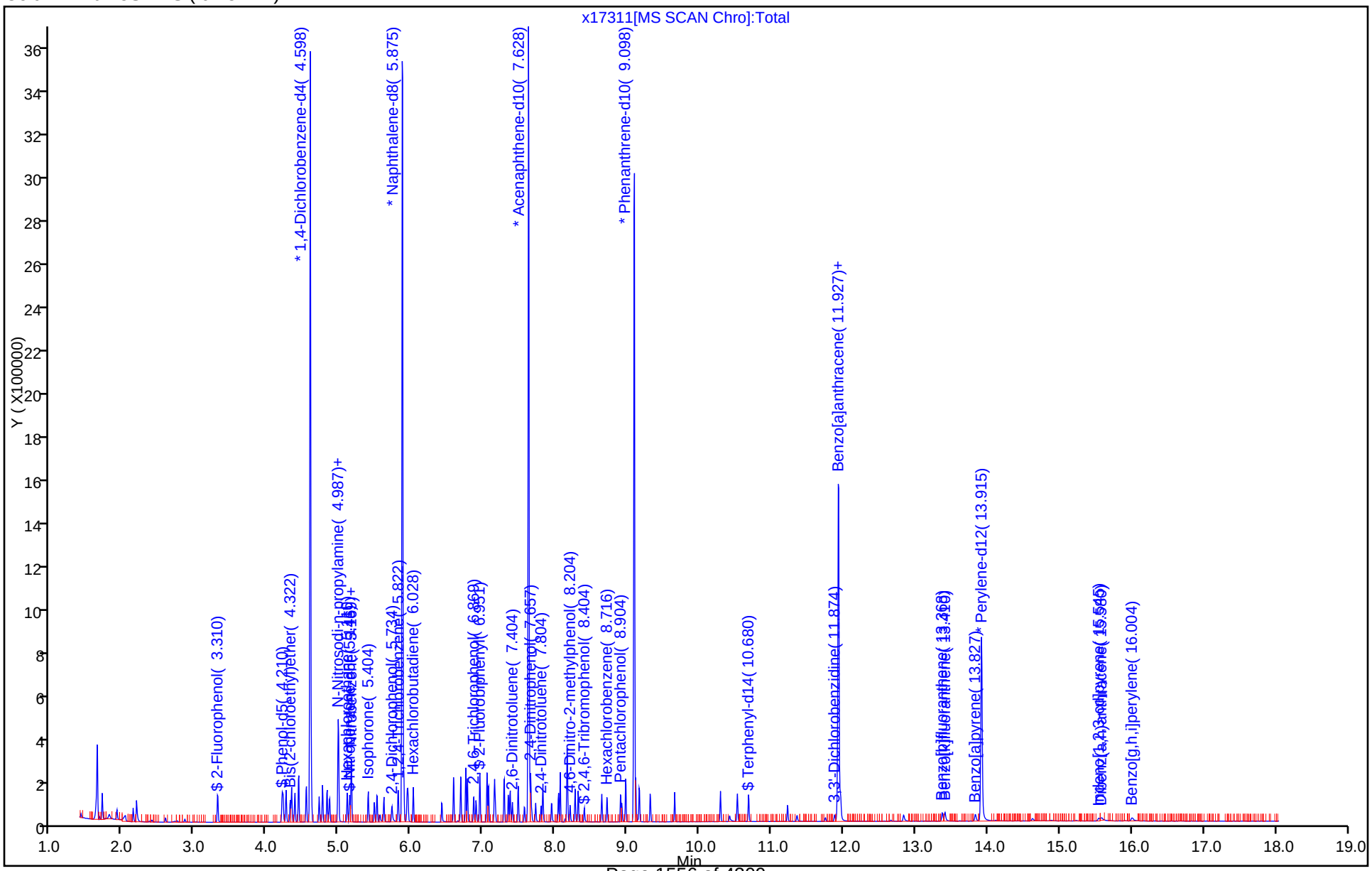
Report Date: 22-Aug-2016 20:17:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17311.D

Injection Date:	22-Aug-2016 15:01:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	std2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

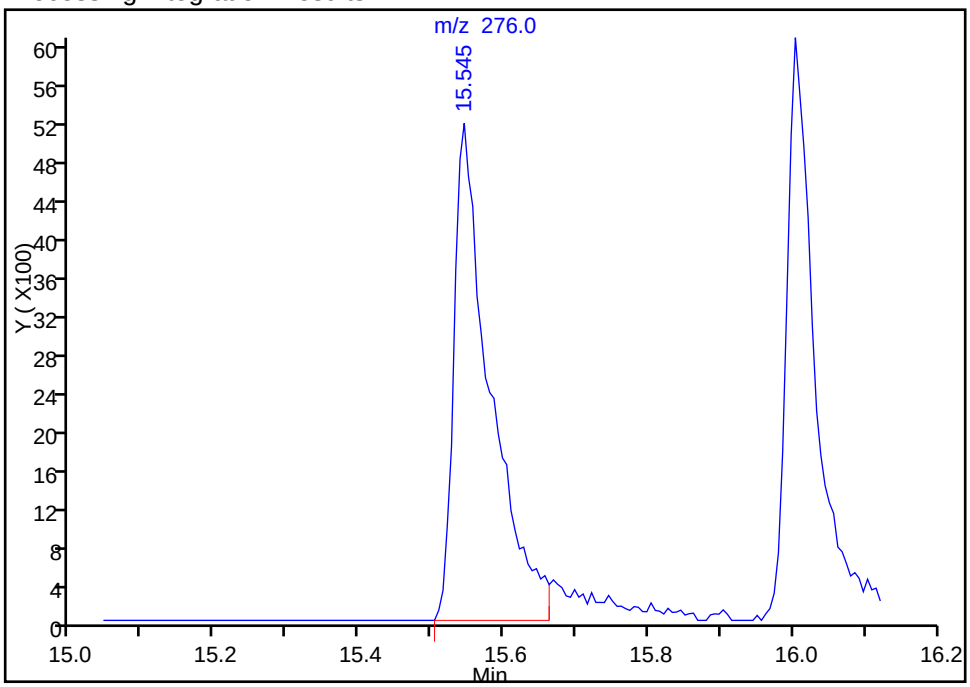
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17311.D				
Injection Date:	22-Aug-2016 15:01:30	Instrument ID:	CBNAMS5		
Lims ID:	std2				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

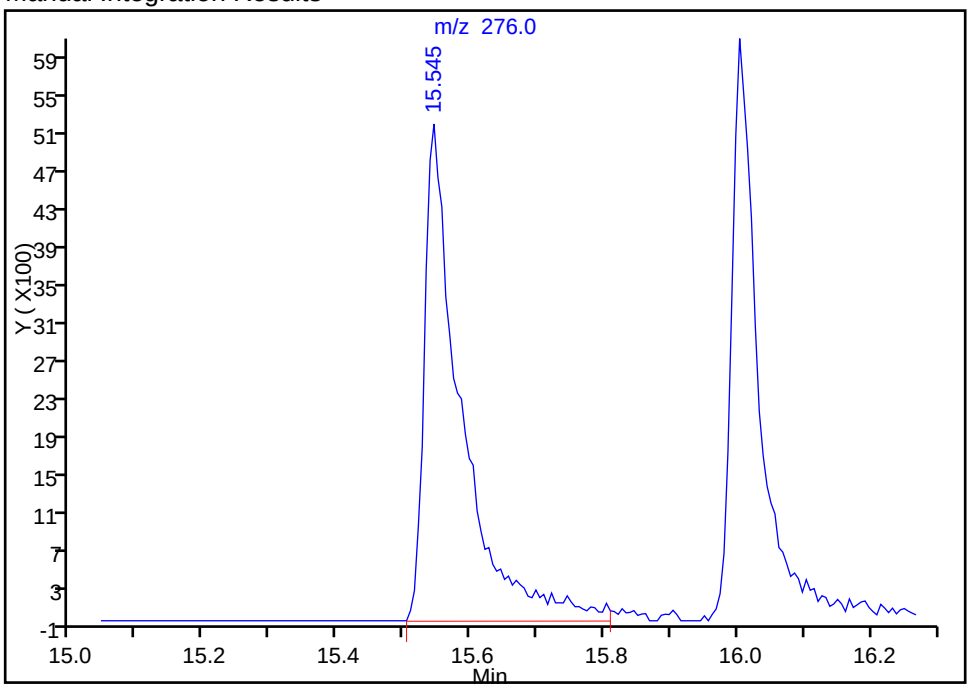
Processing Integration Results

RT: 15.54
Area: 17860
Amount: 1.715405
Amount Units: ug/ml



Manual Integration Results

RT: 15.54
Area: 19756
Amount: 1.965139
Amount Units: ug/ml



Reviewer: bayoumiw, 22-Aug-2016 19:47:40

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

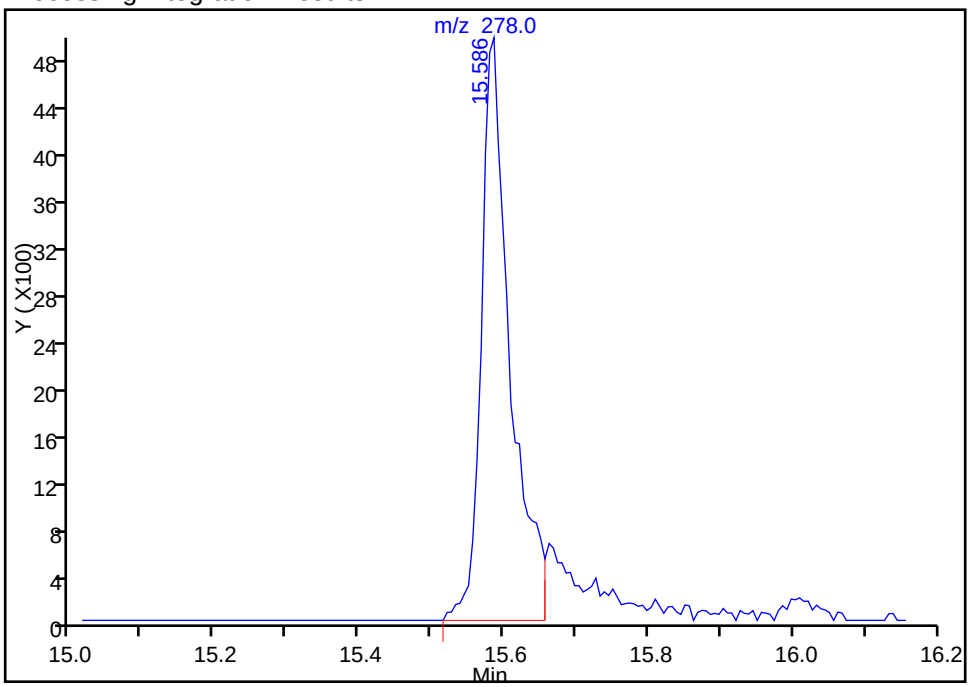
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17311.D				
Injection Date:	22-Aug-2016 15:01:30	Instrument ID:	CBNAMS5		
Lims ID:	std2				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

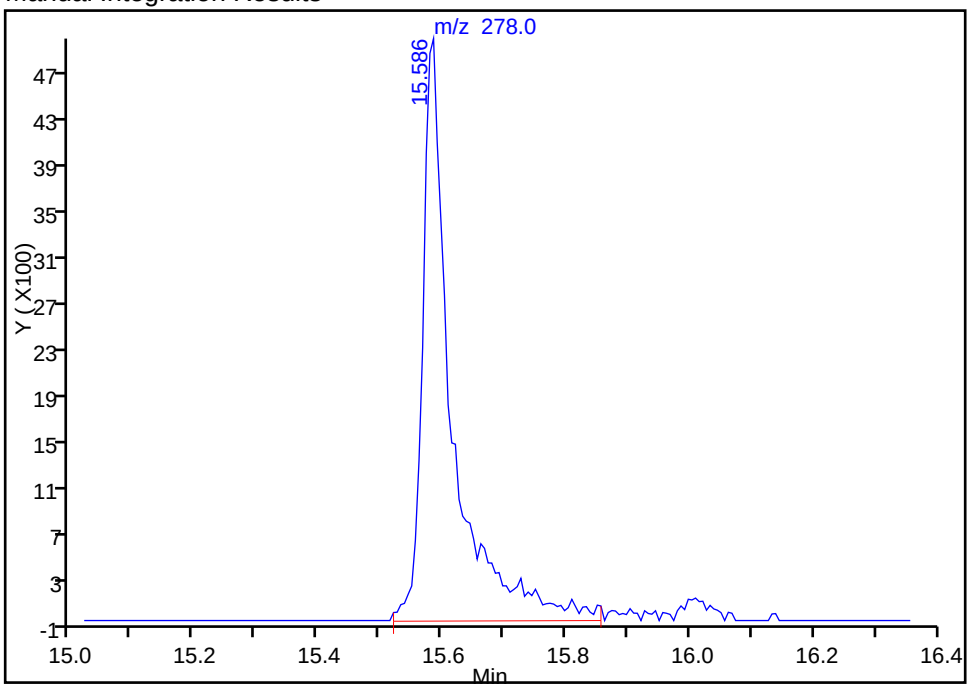
Processing Integration Results

RT: 15.59
Area: 13745
Amount: 1.254740
Amount Units: ug/ml



Manual Integration Results

RT: 15.59
Area: 16594
Amount: 1.577526
Amount Units: ug/ml



Reviewer: bayoumiw, 22-Aug-2016 19:47:40

Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 22-Aug-2016 20:17:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17312.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Aug-2016 15:25:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-009
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:17:53 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 15:54:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.310	3.310	0.000	95	17498	1.00	1.00	
$ 6 Phenol-d5	99	4.204	4.228	-0.024	87	18483	1.00	0.9389	
9 Bis(2-chloroethyl)ether	93	4.322	4.334	-0.012	98	14704	1.00	0.9124	
* 14 1,4-Dichlorobenzene-d4	152	4.598	4.598	0.000	97	511324	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.992	5.010	-0.018	80	10149	1.00	0.9225	
25 Hexachloroethane	117	5.110	5.116	-0.006	94	6548	1.00	0.8957	
$ 26 Nitrobenzene-d5	82	5.145	5.157	-0.012	86	17303	1.00	0.9877	
28 Nitrobenzene	77	5.169	5.181	-0.012	92	21726	1.00	0.9430	
27 n,n'-Dimethylaniline	120	5.169	5.181	-0.012	93	24232	1.00	1.00	
37 1,2,4-Trichlorobenzene	180	5.816	5.822	-0.006	94	12775	1.00	0.8710	
* 38 Naphthalene-d8	136	5.875	5.881	-0.006	100	1691186	40.0	40.0	
41 Hexachlorobutadiene	225	6.028	6.033	-0.005	95	7451	1.00	0.8764	
$ 51 2-Fluorobiphenyl	172	6.951	6.957	-0.006	98	31704	1.00	1.02	
60 2,6-Dinitrotoluene	165	7.404	7.416	-0.012	96	4187	1.00	0.7795	
* 65 Acenaphthene-d10	164	7.627	7.633	-0.006	93	809196	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.804	7.816	-0.012	92	4853	1.00	0.7618	
$ 80 2,4,6-Tribromophenol	330	8.404	8.410	-0.006	95	3677	1.00	0.8548	
83 Hexachlorobenzene	284	8.716	8.727	-0.011	95	6805	1.00	0.8167	
* 88 Phenanthrene-d10	188	9.092	9.098	-0.006	99	1155234	40.0	40.0	
$ 96 Terphenyl-d14	244	10.680	10.686	-0.006	99	21050	1.00	0.9301	
101 Benzo[a]anthracene	228	11.915	11.921	-0.006	98	18874	1.00	0.8991	
* 102 Chrysene-d12	240	11.927	11.939	-0.012	99	744545	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.368	13.380	-0.012	98	10857	1.00	0.8030	
107 Benzo[k]fluoranthene	252	13.409	13.421	-0.012	97	13028	1.00	0.8527	
108 Benzo[a]pyrene	252	13.827	13.839	-0.012	98	9576	1.00	0.7883	
* 109 Perylene-d12	264	13.915	13.921	-0.006	99	484678	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.545	15.562	-0.017	98	8395	1.00	0.8128	M
111 Dibenz(a,h)anthracene	278	15.586	15.598	-0.012	95	7013	1.00	0.6486	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L2_00011 Amount Added: 1.00 Units: mL

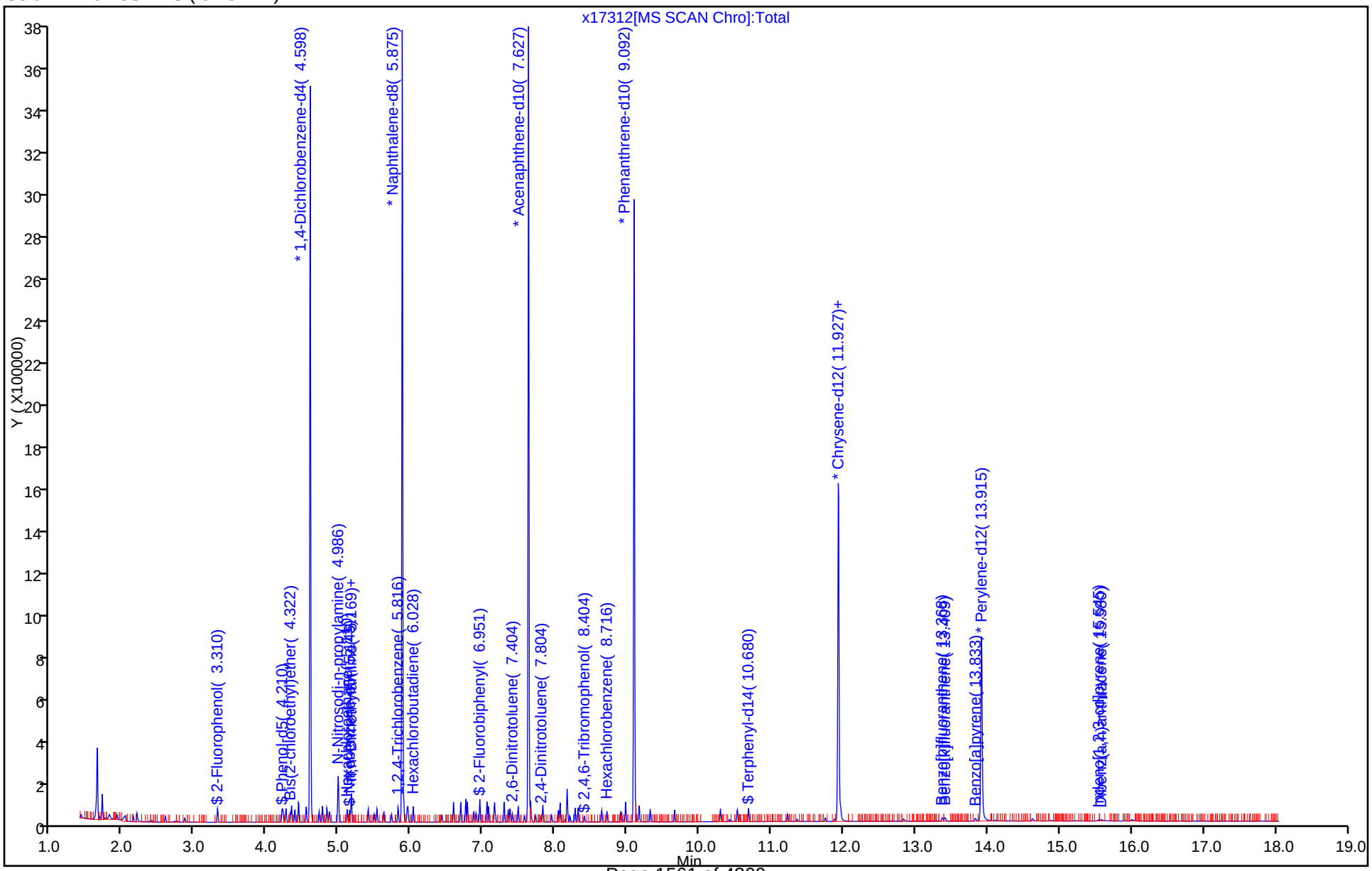
Report Date: 22-Aug-2016 20:17:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17312.D

Injection Date:	22-Aug-2016 15:25:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	std1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

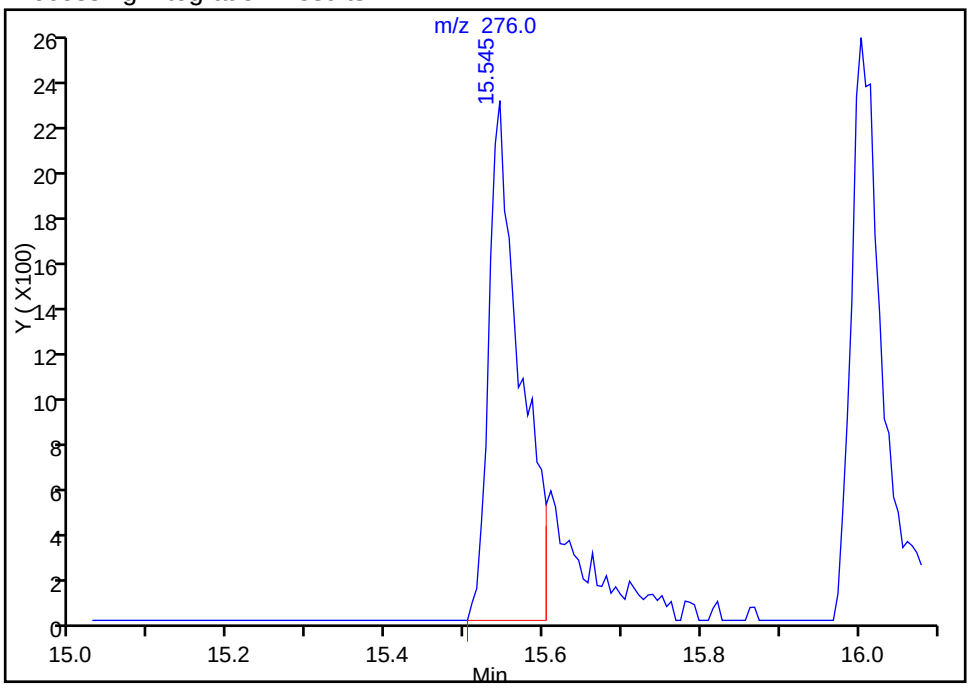
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17312.D				
Injection Date:	22-Aug-2016 15:25:30	Instrument ID:	CBNAMS5		
Lims ID:	std1				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

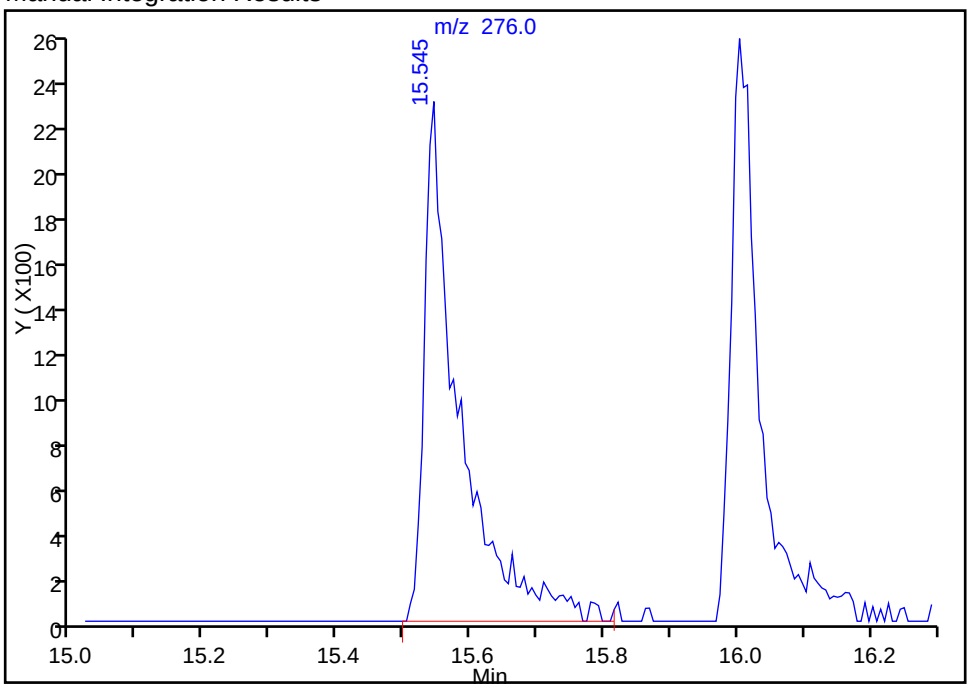
Processing Integration Results

RT: 15.54
Area: 6399
Amount: 0.598272
Amount Units: ug/ml



Manual Integration Results

RT: 15.54
Area: 8395
Amount: 0.812810
Amount Units: ug/ml



Reviewer: bayoumiw, 22-Aug-2016 19:49:51

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

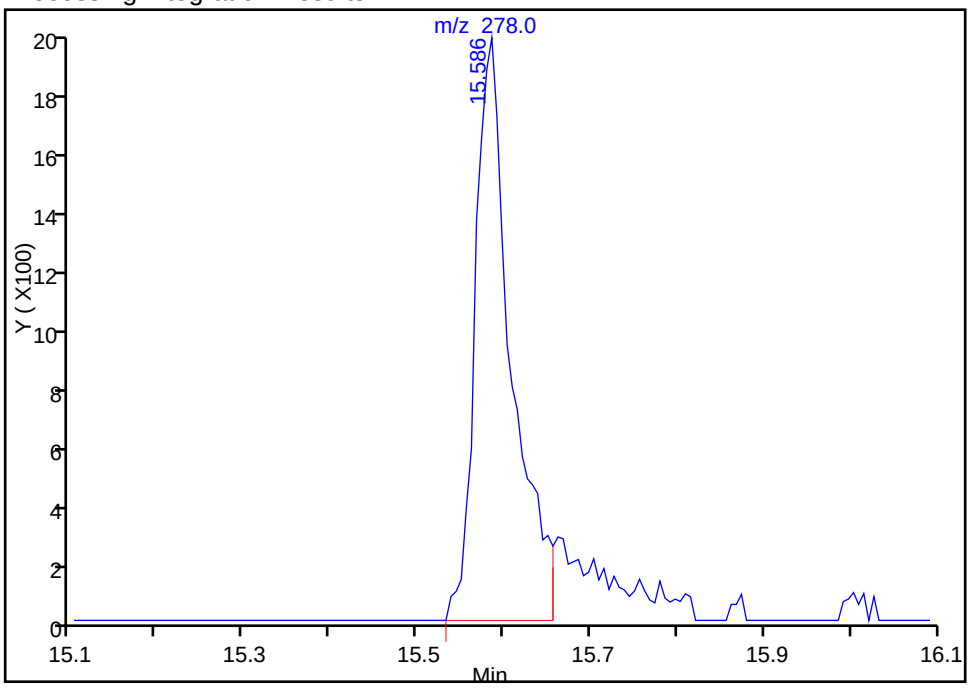
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17312.D				
Injection Date:	22-Aug-2016 15:25:30	Instrument ID:	CBNAMS5		
Lims ID:	std1				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

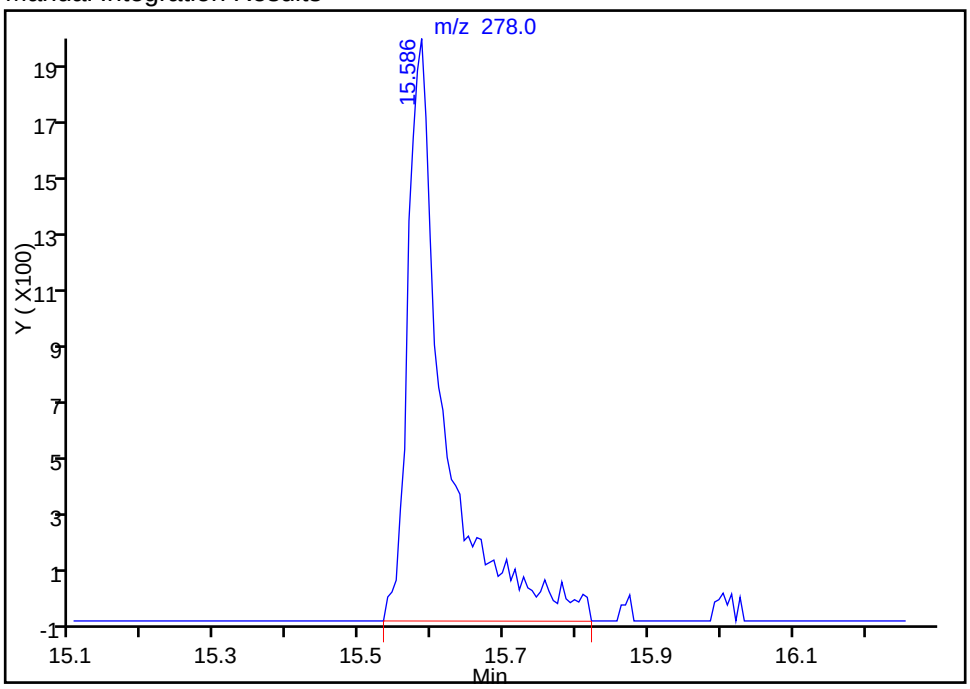
Processing Integration Results

RT: 15.59
Area: 5742
Amount: 0.509446
Amount Units: ug/ml



Manual Integration Results

RT: 15.59
Area: 7013
Amount: 0.648590
Amount Units: ug/ml



Reviewer: bayoumiw, 22-Aug-2016 19:19:24

Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17313.D
Lims ID: std05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Aug-2016 15:49:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-010
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:18:00 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 16:12:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.322	4.334	-0.012	98	9180	0.5000	0.5167	
* 14 1,4-Dichlorobenzene-d4	152	4.598	4.598	0.000	97	563753	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.993	5.010	-0.017	76	6466	0.5000	0.5331	
25 Hexachloroethane	117	5.110	5.116	-0.006	93	4266	0.5000	0.5293	
$ 26 Nitrobenzene-d5	82	5.146	5.157	-0.011	89	9683	0.5000	0.4950	
28 Nitrobenzene	77	5.163	5.181	-0.018	92	13103	0.5000	0.5093	
27 n,n'-Dimethylaniline	120	5.169	5.181	-0.012	93	13609	0.5000	0.5093	
37 1,2,4-Trichlorobenzene	180	5.816	5.822	-0.006	94	8447	0.5000	0.5158	
* 38 Naphthalene-d8	136	5.875	5.881	-0.006	100	1888410	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.951	6.957	-0.006	98	18210	0.5000	0.5133	
* 65 Acenaphthene-d10	164	7.628	7.633	-0.005	95	925156	40.0	40.0	
83 Hexachlorobenzene	284	8.716	8.727	-0.011	96	4175	0.5000	0.4517	
* 88 Phenanthrene-d10	188	9.098	9.098	0.000	98	1281680	40.0	40.0	
$ 96 Terphenyl-d14	244	10.680	10.686	-0.006	98	11419	0.5000	0.4693	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	96	12395	0.5000	0.5492	
* 102 Chrysene-d12	240	11.927	11.939	-0.012	99	800497	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.369	13.380	-0.011	98	6436	0.5000	0.4414	
107 Benzo[k]fluoranthene	252	13.410	13.421	-0.011	98	8006	0.5000	0.4859	M
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	96	5265	0.5000	0.4019	
* 109 Perylene-d12	264	13.916	13.921	-0.005	99	522735	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.539	15.562	-0.023	93	3013	0.5000	0.2707	M
111 Dibenz(a,h)anthracene	278	15.580	15.598	-0.018	69	3474	0.5000	0.2981	M

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

SV_IC_BNA_L1_00012 Amount Added: 1.00 Units: mL

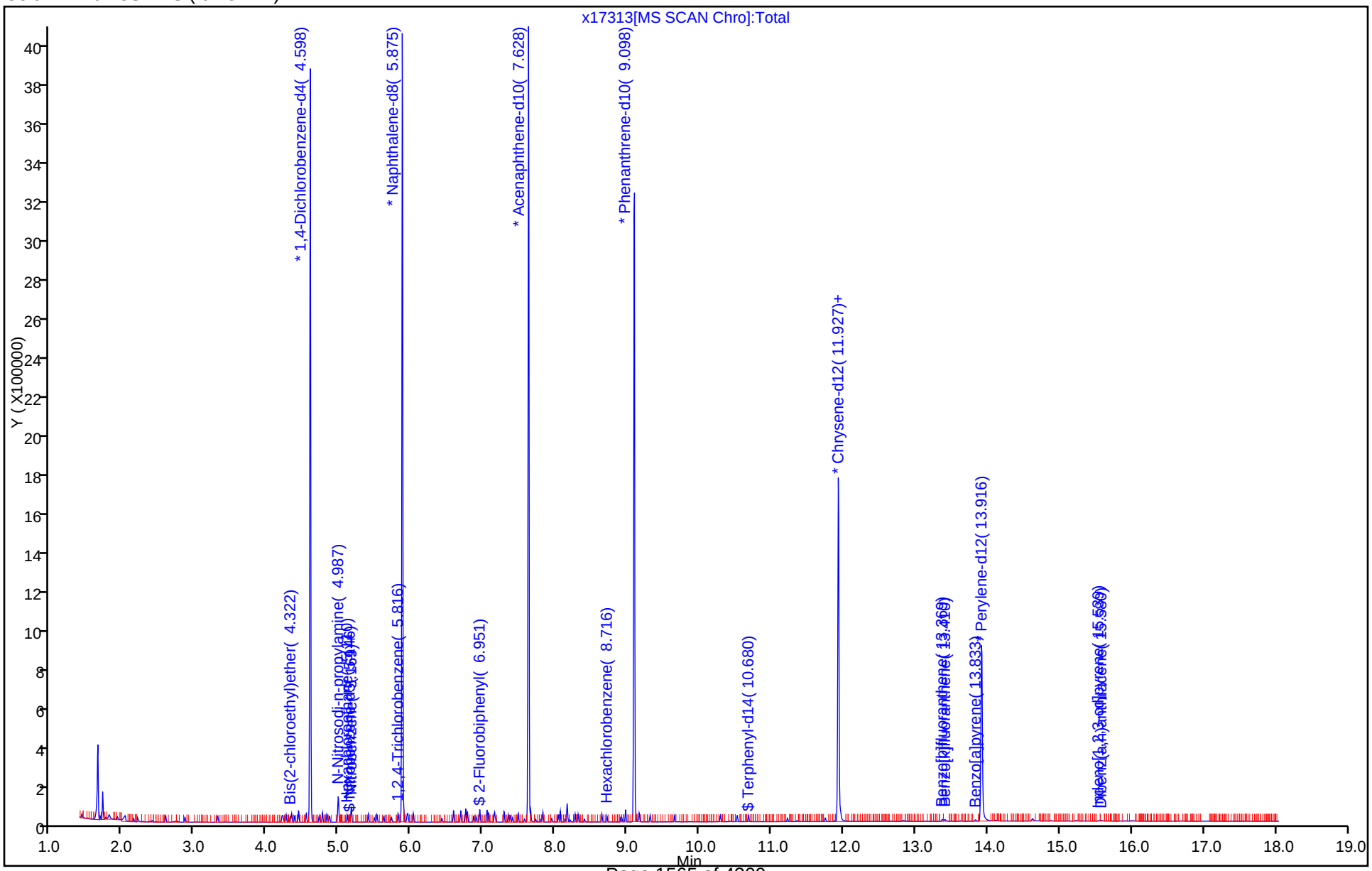
Report Date: 22-Aug-2016 20:18:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17313.D

Injection Date:	22-Aug-2016 15:49:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	std05			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

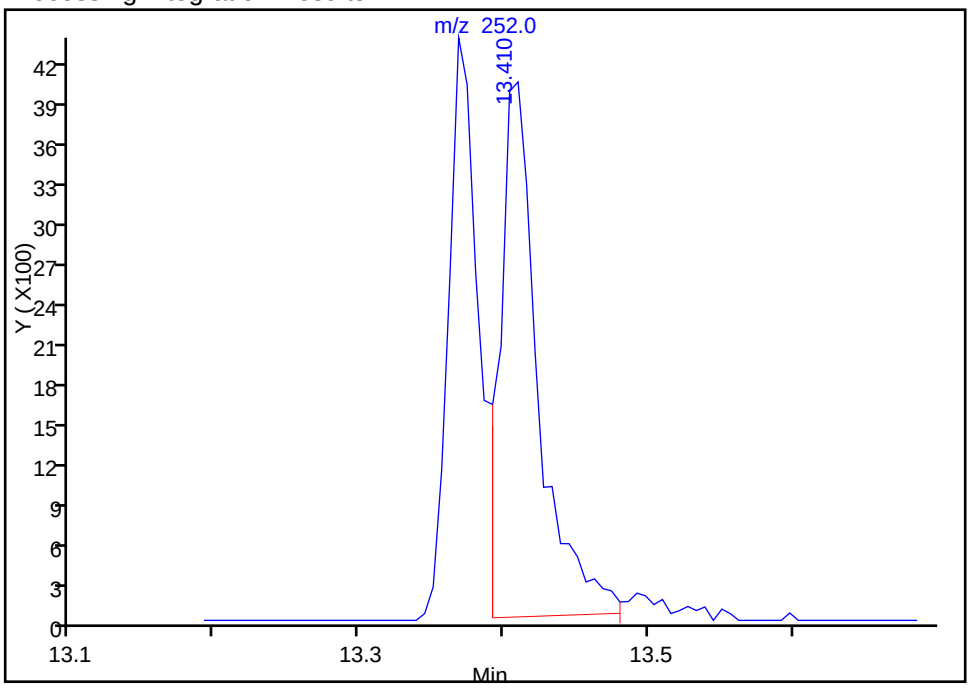
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17313.D				
Injection Date:	22-Aug-2016 15:49:30	Instrument ID:	CBNAMS5		
Lims ID:	std05				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

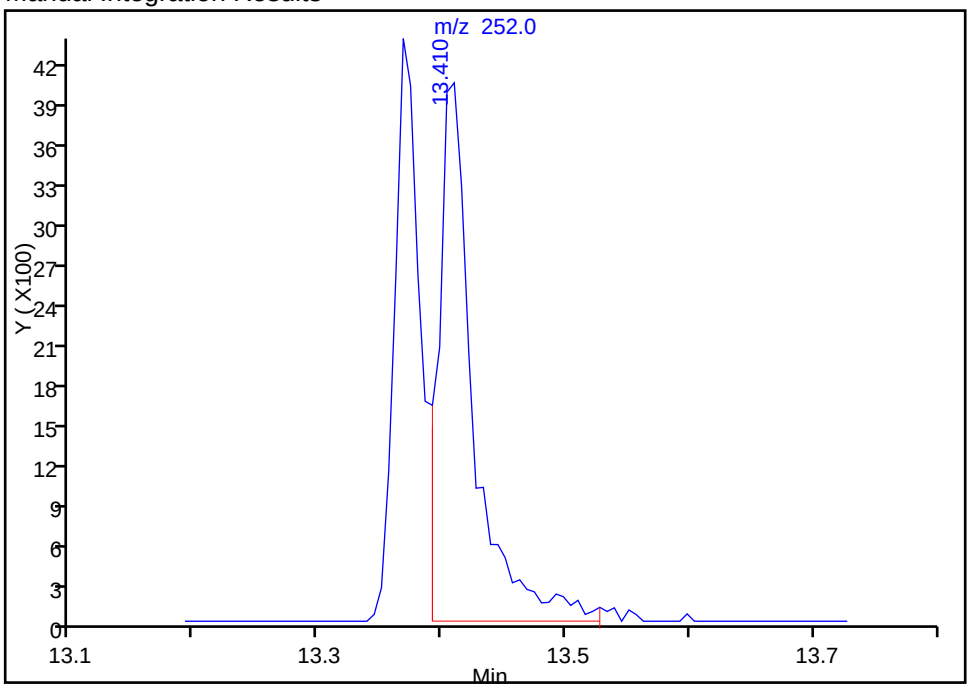
Processing Integration Results

RT: 13.41
Area: 7449
Amount: 0.532041
Amount Units: ug/ml



Manual Integration Results

RT: 13.41
Area: 8006
Amount: 0.485878
Amount Units: ug/ml



Reviewer: bayoumiw, 22-Aug-2016 19:18:58

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

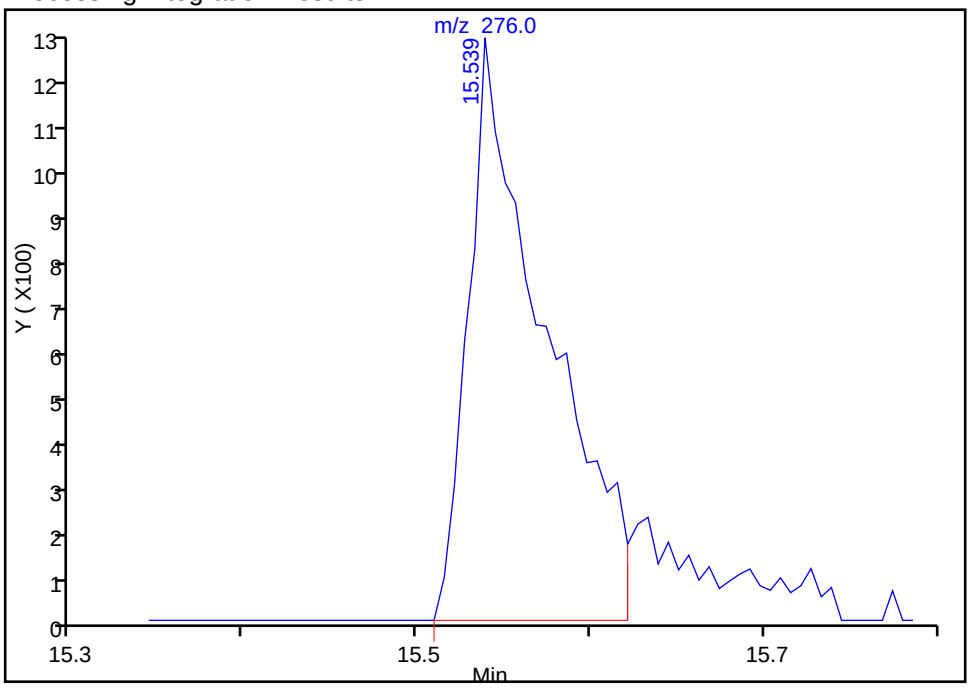
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17313.D				
Injection Date:	22-Aug-2016 15:49:30	Instrument ID:	CBNAMS5		
Lims ID:	std05				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

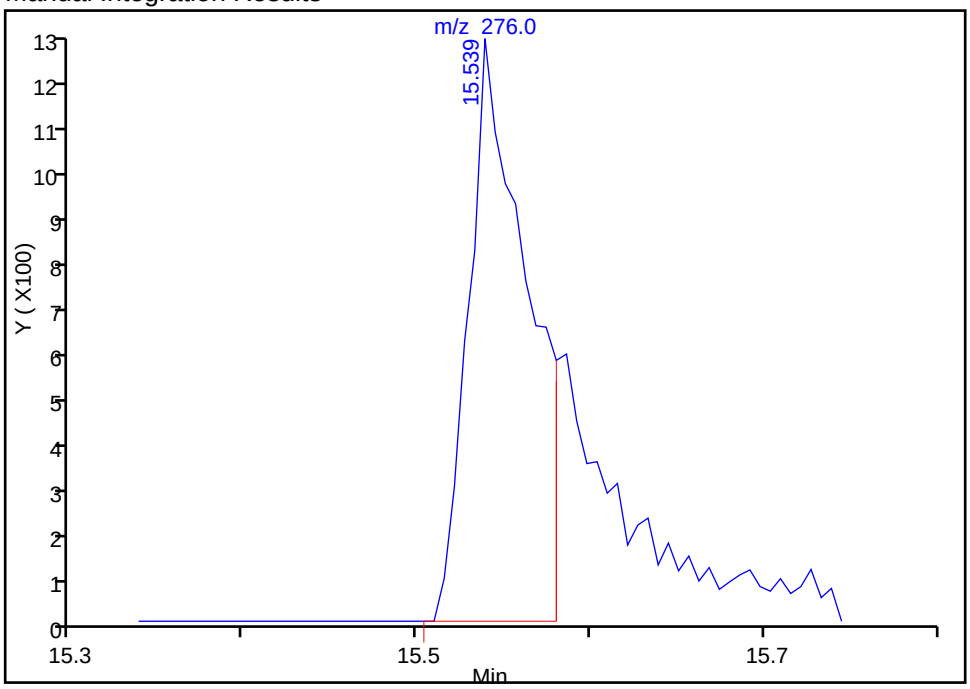
Processing Integration Results

RT: 15.54
Area: 3872
Amount: 0.335738
Amount Units: ug/ml



Manual Integration Results

RT: 15.54
Area: 3013
Amount: 0.270727
Amount Units: ug/ml



Reviewer: croccom, 22-Aug-2016 16:12:13

Audit Action: Manually Integrated Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

TestAmerica Edison

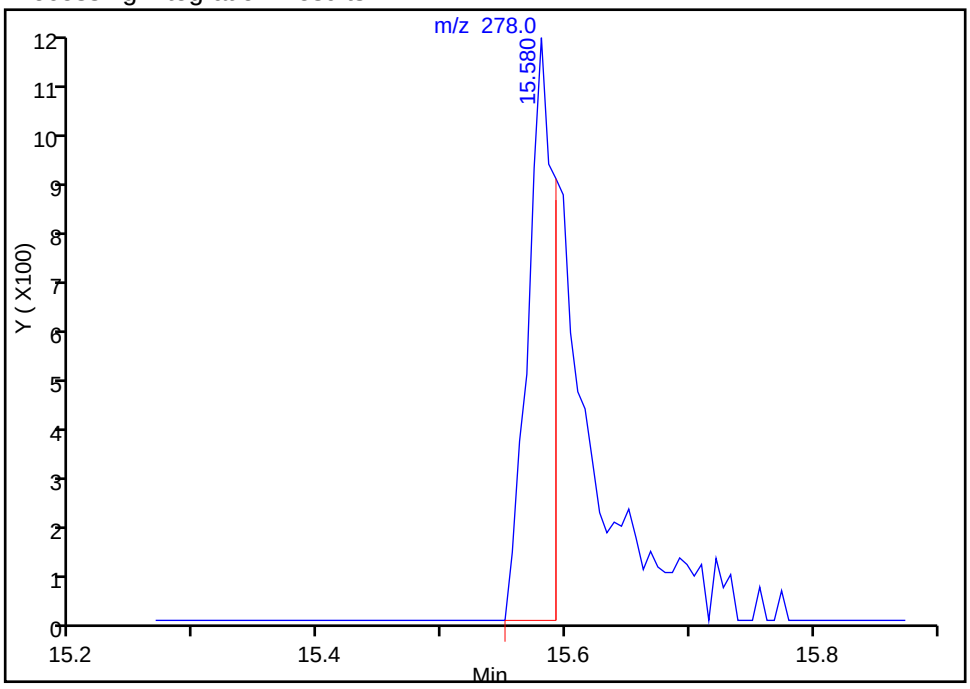
Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17313.D				
Injection Date:	22-Aug-2016 15:49:30	Instrument ID:	CBNAMS5		
Lims ID:	std05				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

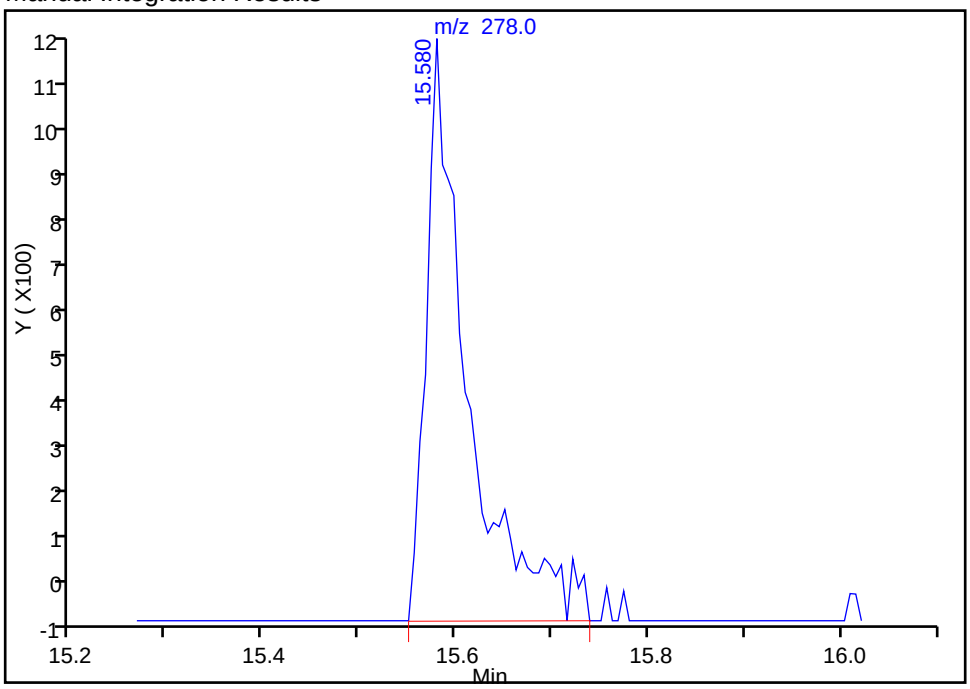
Processing Integration Results

RT: 15.58
Area: 1701
Amount: 0.140432
Amount Units: ug/ml



Manual Integration Results

RT: 15.58
Area: 3474
Amount: 0.298053
Amount Units: ug/ml



Reviewer: bayoumiw, 22-Aug-2016 19:18:58

Audit Action: Manually Integrated Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-386253/9	M231620.D
Level 2	STD02 460-386253/8	M231619.D
Level 3	STD1 460-386253/7	M231618.D
Level 4	STD2 460-386253/6	M231617.D
Level 5	STD4 460-386253/5	M231616.D
Level 6	ICIS 460-386253/2	M231613.D
Level 7	STD16 460-386253/4	M231615.D
Level 8	STD24 460-386253/3	M231614.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5074	0.4497	0.4678 0.5173	0.4939	0.4495	Ave		0.4809				6.1		20.0			
N-Nitrosodimethylamine	0.8189	0.7412	0.6981 1.0613	0.8212	0.7590	Ave		0.8166				15.8		20.0			
Pyridine	1.2221	1.1949	0.9435 1.3631	0.9000	0.9480	Ave		1.0953				17.4		20.0			
Aniline	1.5988	1.4522	1.3820 1.4882	1.4827	1.2734	Ave		1.4462				7.6		20.0			
Bis(2-chloroethyl)ether	0.7901 1.5115	0.9025 +++++	1.0637 +++++	1.0680	1.1534	QuaF		0.9353	0.0575617		0.7000				1.0000		0.9900
Phenol	1.8121	1.7341	1.1485 +++++	1.3210	1.3677	Ave		1.4767			0.8000	19.2		20.0			
2-Chlorophenol	1.0932	1.0764	0.8026 1.1852	0.8198	0.8859	Ave		0.9772			0.8000	16.5		20.0			
n-Decane	1.5112	1.3918	1.0994 1.6546	1.3722	1.3495	Ave		1.3964				13.2		20.0			
1,3-Dichlorobenzene	1.4517	1.4218	1.1925 1.4875	1.3229	1.3061	Ave		1.3638				8.1		20.0			
1,4-Dichlorobenzene	1.5473	1.4836	1.1151 1.5741	1.3543	1.3979	Ave		1.4121				11.9		20.0			
1,2-Dichlorobenzene	1.4545	1.3689	1.1672 1.4364	1.3265	1.1996	Ave		1.3255				9.0		20.0			
Benzyl alcohol	0.6226	0.5252	0.3307 0.5732	0.4552	0.4762	Lin2	-0.253	0.5797			0.0100				0.9930		0.9900
2,2'-oxybis[1-chloropropane]	1.7635	1.6014	1.7349 1.6756	1.7936	1.5481	Ave		1.6862			0.0100	5.7		20.0			
2-Methylphenol	0.9619	0.8424	0.7540 0.9255	0.7898	0.7362	Ave		0.8350			0.7000	11.1		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Acetophenone	2.1010	1.8376	1.8437 1.9069	2.0196	1.7629	Ave		1.9119			0.0100	6.6		20.0			
N-Nitrosodi-n-propylamine	1.3656 1.2472	1.1217 1.1891	1.0508 1.2321	1.3005	1.2003	Ave		1.2134			0.5000	8.1		20.0			
Hexachloroethane	0.5458 0.7807	0.4775 0.7137	0.6112 0.7521	0.7637	0.6895	Ave		0.6668			0.3000	16.6		20.0			
3 & 4 Methylphenol	1.0410	0.9158	0.7129 1.0005	0.8834	0.8615	Ave		0.9025				12.8		20.0			
4-Methylphenol	1.0361	0.9122	0.7129 0.9824	0.8834	0.8615	Ave		0.8981			0.6000	12.4		20.0			
n,n'-Dimethylaniline	1.2231 1.9857	1.1289 +++++	1.5750 +++++	1.1275	1.5852	QuaF		1.2219	0.0765799						0.9990		0.9900
Nitrobenzene	0.7214 0.9492	0.6947 0.8084	0.8496 0.8940	0.7966	0.8584	Ave		0.8215			0.2000	10.4		20.0			
Isophorone	1.0184	0.9875 0.8916	0.9937 0.9131	0.9595	0.9268	Ave		0.9558			0.4000	4.9		20.0			
2-Nitrophenol	0.2347	0.2261	0.1667 0.2450	0.2167	0.2017	Ave		0.2151			0.1000	13.0		20.0			
2,4-Dimethylphenol	0.3037	0.2927	0.2283 0.3091	0.2372	0.2768	Ave		0.2746			0.2000	12.5		20.0			
Bis(2-chloroethoxy)methane	0.4441	0.3802	0.4013 0.4324	0.3503	0.3513	Ave		0.3933			0.3000	10.1		20.0			
Benzoic acid	0.1929	0.1912	0.1415 +++++	0.1383	0.1619	Ave		0.1652				15.8		20.0			
2,4-Dichlorophenol	0.4330	0.3879	0.3662 0.4396	0.3708	0.3477	Ave		0.3909			0.2000	9.6		20.0			
1,2,4-Trichlorobenzene	0.3627 0.5058	0.4016 0.4618	0.3999 0.5092	0.4180	0.4551	Ave		0.4393				12.0		20.0			
Naphthalene	0.9389	0.9022	0.8045 0.9229	0.8324	0.8254	Ave		0.8710			0.7000	6.5		20.0			
4-Chloroaniline	0.4623	0.4359	0.3318 0.4975	0.3648	0.3753	Ave		0.4113			0.0100	15.5		20.0			
Hexachlorobutadiene	0.3605 0.4063	0.2947 0.3593	0.3768 0.3695	0.3743	0.3578	Ave		0.3624			0.0100	8.7		20.0			
4-Chloro-3-methylphenol	0.3792	0.3380	0.3337 0.3686	0.3271	0.3223	Ave		0.3448			0.2000	6.8		20.0			
2-Methylnaphthalene	0.7254	0.6355	0.5868 0.6953	0.5806	0.6273	Ave		0.6418			0.4000	9.0		20.0			
1-Methylnaphthalene	0.6365	0.4377 0.6499	0.5154 0.6513	0.5768	0.5745	Ave		0.5774				13.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorocyclopentadiene	0.7007	0.7017	0.5650 0.7323	0.5831	0.6069	Ave		0.6483			0.0500	11.0		20.0			
1,2,4,5-Tetrachlorobenzene	0.9497	0.9298	0.8038 0.9822	0.8848	0.8601	Ave		0.9017			0.0100	7.2		20.0			
2-tertbutyl-4-methylphenol	0.6034	0.5601	0.5917 0.5661	0.4092	0.5444	Ave		0.5458				12.9		20.0			
2,4,6-Trichlorophenol	0.4775	0.2956 0.4983	0.4387 0.5114	0.4857	0.4303	Lin2	-0.039	0.4866			0.2000				0.9970		0.9900
2,4,5-Trichlorophenol	0.5252	0.5453	0.3984 0.5969	0.5043	0.4652	Ave		0.5059			0.2000	13.5		20.0			
1,1'-Biphenyl	1.5058	1.5218	1.2178 1.3906	1.3480	1.3652	Ave		1.3915			0.0100	8.1		20.0			
2-Chloronaphthalene	1.2461	1.2608	1.0684 1.3751	1.2103	1.1119	Ave		1.2121			0.8000	9.1		20.0			
Phenyl ether	0.8104	0.8472	0.6903 0.9504	0.5587	0.7826	Ave		0.7733				17.5		20.0			
2-Nitroaniline	0.4881	0.4812	0.4728 0.4836	0.5359	0.5024	Ave		0.4940			0.0100	4.6		20.0			
1,3-Dimethylnaphthalene	0.8894	0.9268	0.8157 1.0732	0.5789	0.8842	Ave		0.8614				18.9		20.0			
Coumarin	0.2510	0.2318	0.2282 0.2457	0.1955	0.2293	Ave		0.2303				8.4		20.0			
Dimethyl phthalate	1.3526	1.3344	1.4040 1.3235	1.3881	1.3599	Ave		1.3604			0.0100	2.3		20.0			
2,6-Dinitrotoluene	0.3135	0.3160 0.3176	0.3224 0.3560	0.3412	0.2844	Ave		0.3216			0.2000	7.0		20.0			
Acenaphthylene	1.4793	1.4948	1.4147 1.4926	1.5458	1.4712	Ave		1.4831			0.9000	2.9		20.0			
3-Nitroaniline	0.2907	0.2762	0.2424 0.3036	0.3320	0.3125	Ave		0.2929			0.0100	10.6		20.0			
Acenaphthene	1.0145	1.0694	0.9094 1.1948	0.9546	0.9425	Ave		1.0142			0.9000	10.4		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.1884	1.1916	1.1886 1.2423	0.9515	1.2267	Ave		1.1649				9.2		20.0			
2,4-Dinitrophenol	0.2395	0.2425	0.1431 0.2544	0.1694	0.1948	Lin2	-0.228	0.2444			0.0100				0.9940		0.9900
Dibenzofuran	1.4794	1.5045	1.4386 1.4746	1.5497	1.3801	Ave		1.4712			0.8000	3.9		20.0			
2,4-Dinitrotoluene	0.4074	0.2809 0.4177	0.3554 0.4169	0.4094	0.4245	Ave		0.3875			0.2000	13.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Nitrophenol	0.3718	0.3396	0.3169 0.3406	0.3299	0.3548	Ave		0.3423			0.0100	5.6		20.0			
2,3,4,6-Tetrachlorophenol	0.4598	0.4706	0.4474 0.4702	0.4880	0.4687	Ave		0.4675			0.0100	2.9		20.0			
Diethyl phthalate	1.3481	1.4326	1.3947 1.4450	1.4796	1.2762	Ave		1.3960			0.0100	5.3		20.0			
Fluorene	1.2196	1.2665	1.0260 1.2479	1.1618	1.1180	Ave		1.1733			0.9000	7.7		20.0			
4-Chlorophenyl phenyl ether	0.7299	0.7361	0.6404 0.7247	0.6908	0.7061	Ave		0.7047			0.4000	5.1		20.0			
4-Nitroaniline	0.2536	0.2602	0.2181 0.2539	0.2241	0.2498	Ave		0.2433			0.0100	7.2		20.0			
4,6-Dinitro-2-methylphenol	0.2071	0.0545 0.2044	0.1610 0.2232	0.1640	0.1781	Lin2	-0.060	0.2001			0.0100				0.9930		0.9900
N-Nitrosodiphenylamine	0.5376	0.5605	0.4505 0.5878	0.4496	0.5042	Ave		0.5150			0.0100	11.1		20.0			
1,2-Diphenylhydrazine	1.0519	1.0227	0.8469 1.0132	0.9451	1.0005	Ave		0.9801				7.6		20.0			
4-Bromophenyl phenyl ether	0.3543	0.3469	0.3448 0.3602	0.3475	0.3516	Ave		0.3509			0.1000	1.6		20.0			
Hexachlorobenzene	0.5041 0.4501	0.4367 0.4324	0.4353 0.4527	0.4671	0.4438	Ave		0.4528			0.1000	5.2		20.0			
Pentachloronitrobenzene	0.1952	0.1727	0.1475 0.1855	0.1136	0.1895	Qua	-0.048	0.1861	-0.000022		0.0100				0.9960		0.9900
Pentachlorophenol	0.2556	0.2565	0.1621 0.2605	0.2123	0.2306	Ave		0.2296			0.0500	16.5		20.0			
n-Octadecane	0.5090	0.5096	0.4327 0.5475	0.3854	0.4348	Ave		0.4698				13.1		20.0			
Phenanthrene	1.0019	0.9274	0.8878 1.0083	0.9162	0.8559	Ave		0.9329			0.7000	6.6		20.0			
Anthracene	1.0497	0.9676	0.8456 1.1023	0.9074	0.9472	Ave		0.9700			0.7000	9.6		20.0			
Carbazole	0.8722	0.8174	0.7196 0.9020	0.7498	0.8207	Ave		0.8136			0.0100	8.6		20.0			
Di-n-butyl phthalate	1.1990	1.1304	1.2160 1.1685	1.2184	1.2231	Ave		1.1926			0.0100	3.1		20.0			
Fluoranthene	1.1522	1.0173	0.9583 1.0748	1.0518	1.0343	Ave		1.0481			0.6000	6.2		20.0			
Benzidine	0.5777	0.6321	0.4779 0.6534	0.6242	0.6063	Ave		0.5953				10.6		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pyrene	1.1143	1.0773	1.0611 0.9854	1.1339	1.1659	Ave		1.0897			0.6000	5.8		20.0			
Bisphenol-A	0.4590	0.4867	0.4243 0.4984	0.4123	0.5135	Ave		0.4657				8.8		20.0			
Butyl benzyl phthalate	0.5175	0.5113	0.4964 0.5040	0.5033	0.5263	Ave		0.5098			0.0100	2.1		20.0			
2,3,7,8-TCDD	0.1690					Ave		0.1690						20.0			
Carbamazepine	0.3660	0.3663	0.3390 0.4137	0.2716	0.4114	Ave		0.3613				14.6		20.0			
Benzo[a]anthracene	1.0350 1.1129	0.9003 1.0507	1.0053 1.0716	1.1171	1.0895	Ave		1.0478			0.8000	6.8		20.0			
3,3'-Dichlorobenzidine	0.4635	0.3305 0.4868	0.4127 0.4860	0.5252	0.5344	Ave		0.4627			0.0100	15.3		20.0			
Chrysene	0.9618	0.9503 0.9069	0.9526 0.9118	1.0175	0.9909	Ave		0.9560			0.7000	4.2		20.0			
Bis(2-ethylhexyl) phthalate	0.6596	0.6333 0.6776	0.6727 0.6651	0.6765	0.6449	Ave		0.6614			0.0100	2.5		20.0			
Di-n-octyl phthalate	0.1897	1.0701	1.1765 1.0434	1.1857	1.1674	Ave		1.1388			0.0100	5.7		20.0			
Benzo[b]fluoranthene	1.1331 1.1799	1.1155 1.1301	1.0961 1.1836	1.0601	1.0430	Ave		1.1177			0.7000	4.5		20.0			
Benzo[k]fluoranthene	1.2300 1.0630	1.0655 0.9955	1.1492 0.9896	1.1297	1.2127	Ave		1.1044			0.7000	8.3		20.0			
Benzo[a]pyrene	1.1935 1.0142	0.9535 0.9665	1.0228 1.0011	1.0213	1.0305	Ave		1.0254			0.7000	7.2		20.0			
Indeno[1,2,3-cd]pyrene	0.8063 1.0880	0.6303 1.0456	0.9401 1.3068	0.9557	0.9373	QuaF		0.7897	0.0208699		0.5000				0.9970		0.9900
Dibenz(a,h)anthracene	0.7696 1.0891	0.8272 1.0106	0.8527 1.1574	0.9288	0.8999	Ave		0.9419			0.4000	14.2		20.0			
Benzo[g,h,i]perylene	1.1508	1.0659	0.9308 1.2620	1.0255	0.9567	Ave		1.0653			0.5000	11.7		20.0			
2-Fluorophenol (Surr)	0.9746	0.6986 1.0014	0.6701 1.1354	0.8444	0.8223	Ave		0.8781				19.2		20.0			
Phenol-d5 (Surr)	1.7375	0.9308 1.8500	1.3320 +++++	1.4031	1.3924	QuaF		1.4040	0.0284855						0.9990		0.9900
Nitrobenzene-d5 (Surr)	0.5335 0.6986	0.6227 0.6480	0.6618 0.7006	0.6885	0.6464	Ave		0.6500				8.4		20.0			
2-Fluorobiphenyl	1.2908 1.5640	1.1645 1.7087	1.3963 1.8467	1.5549	1.4277	Ave		1.4942				14.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4,6-Tribromophenol (Surr)	0.4245	0.3248 0.4488	0.5119 0.4353	0.5261	0.4464	Ave		0.4454				14.8		20.0			
Terphenyl-d14 (Surr)	1.1225 0.9953	1.0949 1.0090	0.9800 0.9471	1.1627	1.1090	Ave		1.0526				7.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-386253/9	M231620.D
Level 2	STD02 460-386253/8	M231619.D
Level 3	STD1 460-386253/7	M231618.D
Level 4	STD2 460-386253/6	M231617.D
Level 5	STD4 460-386253/5	M231616.D
Level 6	ICIS 460-386253/2	M231613.D
Level 7	STD16 460-386253/4	M231615.D
Level 8	STD24 460-386253/3	M231614.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	267815	397132	25856 644113	52352	102144	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	432263	654541	38584 1321418	87044	172481	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCBd 4	Ave	645066	1055249	52146 1697178	95390	215426	10.0	16.0	1.00 24.0	2.00	4.00
Aniline	DCBd 4	Ave	843901	1282483	76382 1853048	157159	289353	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	QuaF	4501 797804	10419 +++++	58789 +++++	113206	262088	0.100 10.0	0.200 +++++	1.00 +++++	2.00	4.00
Phenol	DCBd 4	Ave	956498	1531469	63473 +++++	140020	310794	10.0	16.0	1.00 +++++	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	576998	950619	44357 1475689	86890	201311	10.0	16.0	1.00 24.0	2.00	4.00
n-Decane	DCBd 4	Ave	797658	1229133	60761 2060180	145442	306667	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCBd 4	Ave	766269	1255686	65905 1852104	140224	296788	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	816721	1310258	61630 1959994	143544	317646	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	767707	1208902	64507 1788540	140597	272591	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCBd 4	Lin2	328625	463865	18275 713674	48249	108206	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	930804	1414277	95882 2086334	190106	351783	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	507740	743945	41674 1152336	83715	167292	10.0	16.0	1.00 24.0	2.00	4.00
Acetophenone	DCBd 4	Ave	1108947	1622887	101896 2374329	214067	400590	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCBd 4	Ave	7779 658314	12949 1050143	58076 1534059	137850	272752	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	3109 412072	5512 630309	33778 936502	80945	156674	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
3 & 4 Methylphenol	DCBd 4	Ave	549445	808810	39400 1245717	93635	195754	10.0	16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCBd 4	Ave	546871	805645	39400 1223267	93635	195754	10.0	16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCBd 4	QuaF	6967 1048119	13032 +++++	87050 +++++	119504	360222	0.100 10.0	0.200 +++++	1.00 +++++	2.00	4.00
Nitrobenzene	NPT	Ave	13072 1543553	25377 2154095	151616 3255315	283490	609649	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	1655971	36076 2375942	177323 3324880	341459	658164	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	381708	602437	29742 892237	77106	143243	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	493874	779906	40734 1125392	84422	196547	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	722223	1013107	71612 1574497	124679	249512	10.0	16.0	1.00 24.0	2.00	4.00
Benzoic acid	NPT	Ave	313672	509497	25255 +++++	49211	114971	10.0	16.0	1.00 +++++	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	704105	1033576	65353 1600648	131961	246897	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	6572 822569	14670 1230639	71358 1854111	148744	323213	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	1526769	2404086	143563 3360316	296230	586147	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	751815	1161462	59219 1811609	129813	266537	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	6532 660757	10766 957572	67237 1345468	133221	254122	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Chloro-3-methylphenol	NPT	Ave	616560	900609	59557 1342009	116402	228868	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	1179578	1693569	104716 2531718	206633	445483	10.0	16.0	1.00 24.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	1034976	15990 1731951	91977 2371447	205271	407979	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	744445	1105036	66912 1580187	130205	273746	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	1009030	1464348	95201 2119521	197568	387995	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-tertbutyl-4-methylphenol	NPT	Ave	981121	1492634	105586 2061143	145631	386608	10.0	16.0	1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Lin2	507388	7194 784825	51958 1103541	108436	194084	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	558046	858761	47185 1288019	112601	209847	10.0	16.0	1.00 24.0	2.00	4.00
1,1'-Biphenyl	ANT	Ave	1599870	2396613	144235 3000838	300987	615819	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1323943	1985632	126539 2967385	270245	501551	10.0	16.0	1.00 24.0	2.00	4.00
Phenyl ether	ANT	Ave	861078	1334198	81754 2051014	124737	353032	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	518573	757760	56000 1043680	119655	226630	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dimethylnaphthalene	ANT	Ave	944972	1459623	96610 2315998	129254	398867	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	408166	617655	40727 894497	69578	162860	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1437139	2101537	166286 2856099	309941	613405	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Ave	333087	7692 500224	38181 768200	76174	128280	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	1571797	2354044	167557 3220971	345146	663649	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	308869	434922	28711 655080	74127	140951	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	1077879	1684184	107707 2578278	213139	425136	10.0	16.0	1.00 24.0	2.00	4.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1262649	1876631	140781 2680834	212455	553343	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin2	509007	763916	33890 1097908	75654	175771	20.0	32.0	2.00 48.0	4.00	8.00
Dibenzofuran	ANT	Ave	1571805	2369432	170386 3182226	346016	622552	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrotoluene	ANT	Ave	432905	6838 657764	42088 899761	91418	191495	10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Nitrophenol	ANT	Ave	790061	1069649	75065 1469819	147323	320093	20.0	32.0	2.00 48.0	4.00	8.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	488560	741159	52989 1014749	108965	211412	10.0	16.0	1.00 24.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1432312	2256187	165188 3118173	330371	575667	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Fluorene	ANT	Ave	1295800	1994602	121520 2692891	259397	504307	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	775483	1159273	75850 1563935	154243	318496	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	269460	409838	25836 547885	50046	112697	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	652658	4905 971750	63120 1364013	122491	248065	20.0	0.400 32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	847376	1332314	88318 1795710	167934	351085	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	1657862	2430921	166029 3095531	353011	696682	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	558332	824493	67603 1100402	129791	244826	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	10450 709330	19643 1027687	85338 1383167	174446	309020	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Pentachloronitrobenzene	PHN	Qua	307635	410571	28921 566798	42421	131950	10.0	16.0	1.00 24.0	2.00	4.00
Pentachlorophenol	PHN	Ave	805654	1219473	63552 1591549	158584	321222	20.0	32.0	2.00 48.0	4.00	8.00
n-Octadecane	PHN	Ave	802266	1211361	84835 1672700	143935	302774	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	1579023	2204378	174039 3080434	342207	596002	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	1654414	2299941	165771 3367646	338908	659579	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	1374615	1942835	141073 2755553	280056	571471	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	1889750	2686841	238374 3569989	455079	851680	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	1815976	2418023	187859 3283673	392858	720206	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Ave	910567	1502434	93683 1996325	233143	422231	10.0	16.0	1.00 24.0	2.00	4.00
Pyrene	CRY	Ave	1836248	2562126	191467 3172570	388240	771849	10.0	16.0	1.00 24.0	2.00	4.00
Bisphenol-A	CRY	Ave	756405	1157611	76561 1604716	141182	339929	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	852758	1215987	89572 1622502	172312	348417	10.0	16.0	1.00 24.0	2.00	4.00
2,3,7,8-TCDD	CRY	Ave	2785					0.100				

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

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 386253

SDG No.:

Instrument ID: CBNAMS6 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2016 10:18 Calibration End Date: 08/23/2016 12:39 Calibration ID: 57491

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Carbamazepine	CRY	Ave	603167	871050	61171 1331887	93006	272342	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[a]anthracene	CRY	Ave	19377 1833899	34168 2498850	181394 3450014	382487	721272	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	763777	12544 1157659	74470 1564762	179828	353759	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	1584892	36064 2156790	171890 2935574	348382	655975	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1086986	24034 1611545	121379 2141357	231617	426895	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	1686853	2355061	167495 3290451	341385	645717	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	17476 1672843	35415 2487210	156054 3732333	305213	576902	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	18970 1507207	33829 2190876	163603 3120837	325262	670749	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	18407 1437939	30272 2127093	145608 3156835	294060	569970	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	QuaF	12436 1542636	20012 2301243	133835 4121089	275151	518451	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	11870 1544161	26262 2224174	121391 3649994	267404	497744	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	1631589	2345935	132516 3979590	295256	529182	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	514420	8065 884378	37034 1413702	89501	186849	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	QuaF	917097	10746 1633841	73619 +++++	148719	316402	10.0	0.200 16.0	1.00 +++++	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	9668 1136039	22747 1726911	118094 2550972	245012	459053	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	16686 1661778	28346 2691022	165376 3985186	347185	644025	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	451034	7907 706863	60628 939455	117465	201346	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Terphenyl-d14 (Surr)	CRY	Ave	21016 1640127	41553 2399711	176840 3049128	398074	734152	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231613.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 23-Aug-2016 10:18:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044755-002
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:41:43 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: nimerd Date: 23-Aug-2016 10:40:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.197	1.197	0.000	89	267815	10.0	10.6	
2 N-Nitrosodimethylamine	74	1.399	1.399	0.000	54	432263	10.0	10.0	
3 Pyridine	79	1.415	1.415	0.000	80	645066	10.0	11.2	
$ 4 2-Fluorophenol	112	2.471	2.471	0.000	71	514420	10.0	11.1	
8 Aniline	93	3.336	3.336	0.000	86	843901	10.0	11.1	
$ 6 Phenol-d5	99	3.401	3.401	0.000	75	917097	10.0	10.2	
7 Phenol	94	3.409	3.409	0.000	75	956498	10.0	12.3	
9 Bis(2-chloroethyl)ether	93	3.409	3.409	0.000	82	797804	10.0	10.0	
10 Benzonitrile	103	3.409	3.409	0.000	83	1355635	NC	NC	
11 2-Chlorophenol	128	3.473	3.473	0.000	73	576998	10.0	11.2	
12 n-Decane	43	3.506	3.506	0.000	83	797658	10.0	10.8	
13 1,3-Dichlorobenzene	146	3.595	3.595	0.000	84	766269	10.0	10.6	
* 14 1,4-Dichlorobenzene-d4	152	3.652	3.652	0.000	91	422262	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.668	3.668	0.000	83	816721	10.0	11.0	
18 1,2-Dichlorobenzene	146	3.823	3.823	0.000	86	767707	10.0	11.0	
17 Benzyl alcohol	108	3.847	3.847	0.000	77	328625	10.0	11.2	
20 2,2'-oxybis[1-chloropropan	45	3.961	3.961	0.000	73	930804	10.0	10.5	
19 2-Methylphenol	108	4.010	4.010	0.000	63	507740	10.0	11.5	
23 N-Methylaniline	106	4.082	4.082	0.000	75	973981	NC	NC	
24 Acetophenone	105	4.098	4.098	0.000	94	1108947	10.0	11.0	
25 N-Nitrosodi-n-propylamine	70	4.115	4.115	0.000	94	658314	10.0	10.3	
27 Hexachloroethane	117	4.164	4.164	0.000	84	412072	10.0	11.7	
26 3 & 4 Methylphenol	108	4.178	4.178	0.000	69	549445	10.0	11.5	
21 4-Methylphenol	108	4.178	4.178	0.000	78	546871	10.0	11.5	
$ 28 Nitrobenzene-d5	82	4.243	4.243	0.000	96	1136039	10.0	10.7	
29 Nitrobenzene	77	4.267	4.267	0.000	79	1543553	10.0	11.6	
30 n,n'-Dimethylaniline	120	4.267	4.267	0.000	74	1048119	10.0	10.0	
31 Isophorone	82	4.519	4.519	0.000	93	1655971	10.0	10.7	
32 2-Nitrophenol	139	4.584	4.584	0.000	53	381708	10.0	10.9	
33 2,4-Dimethylphenol	122	4.697	4.697	0.000	74	493874	10.0	11.1	
34 Bis(2-chloroethoxy)methane	93	4.752	4.752	0.000	86	722223	10.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.866	4.866	0.000	88	704105	10.0	11.1	
35 Benzoic acid	122	4.907	4.907	0.000	30	313672	10.0	11.7	M
37 1,2,4-Trichlorobenzene	180	4.907	4.907	0.000	91	822569	10.0	11.5	
* 38 Naphthalene-d8	136	4.956	4.956	0.000	97	1300890	8.00	8.00	
39 Naphthalene	128	4.981	4.981	0.000	95	1526769	10.0	10.8	
40 4-Chloroaniline	127	5.071	5.071	0.000	90	751815	10.0	11.2	
41 Hexachlorobutadiene	225	5.120	5.120	0.000	93	660757	10.0	11.2	
44 4-Chloro-3-methylphenol	107	5.622	5.622	0.000	86	616560	10.0	11.0	
45 2-Methylnaphthalene	142	5.679	5.679	0.000	79	1179578	10.0	11.3	
46 1-Methylnaphthalene	142	5.769	5.769	0.000	86	1034976	10.0	11.0	
47 Hexachlorocyclopentadiene	237	5.843	5.843	0.000	96	744445	10.0	10.8	
48 1,2,4,5-Tetrachlorobenzene	216	5.850	5.850	0.000	94	1009030	10.0	10.5	
49 2-tertbutyl-4-methylphenol	149	5.940	5.940	0.000	85	981121	10.0	11.1	
50 2,4,6-Trichlorophenol	196	5.997	5.997	0.000	86	507388	10.0	9.89	
51 2,4,5-Trichlorophenol	196	6.052	6.052	0.000	91	558046	10.0	10.4	
$ 52 2-Fluorobiphenyl	172	6.061	6.061	0.000	96	1661778	10.0	10.5	
53 1,1'-Biphenyl	154	6.151	6.151	0.000	97	1599870	10.0	10.8	
54 2-Chloronaphthalene	162	6.159	6.159	0.000	93	1323943	10.0	10.3	
55 Phenyl ether	170	6.257	6.257	0.000	88	861078	10.0	10.5	
57 2-Nitroaniline	65	6.298	6.298	0.000	83	518573	10.0	9.88	M
58 1,3-Dimethylnaphthalene	156	6.379	6.379	0.000	88	944972	10.0	10.3	
60 Coumarin	146	6.484	6.484	0.000	72	408166	10.0	10.9	
59 Dimethyl phthalate	163	6.492	6.492	0.000	96	1437139	10.0	9.94	
61 2,6-Dinitrotoluene	165	6.541	6.541	0.000	83	333087	10.0	9.75	
62 Acenaphthylene	152	6.566	6.566	0.000	97	1571797	10.0	9.97	
* 64 Acenaphthene-d10	164	6.704	6.704	0.000	92	849995	8.00	8.00	
63 3-Nitroaniline	138	6.712	6.712	0.000	82	308869	10.0	9.93	
66 Acenaphthene	154	6.735	6.735	0.000	95	1077879	10.0	10.0	
65 3,5-di-tert-butyl-4-hydrox	205	6.760	6.760	0.000	97	1262649	10.0	10.2	
67 2,4-Dinitrophenol	184	6.816	6.816	0.000	90	509007	20.0	20.5	
71 Dibenzofuran	168	6.914	6.914	0.000	91	1571805	10.0	10.1	
70 2,4-Dinitrotoluene	165	6.930	6.930	0.000	83	432905	10.0	10.5	
69 4-Nitrophenol	65	6.979	6.979	0.000	85	790061	20.0	21.7	
72 2,3,4,6-Tetrachlorophenol	232	7.061	7.061	0.000	92	488560	10.0	9.84	
73 Diethyl phthalate	149	7.191	7.191	0.000	96	1432312	10.0	9.66	
75 Fluorene	166	7.247	7.247	0.000	93	1295800	10.0	10.4	
74 4-Chlorophenyl phenyl ethe	204	7.255	7.255	0.000	83	775483	10.0	10.4	
76 4-Nitroaniline	138	7.335	7.335	0.000	85	269460	10.0	10.4	
77 4,6-Dinitro-2-methylphenol	198	7.343	7.343	0.000	81	652658	20.0	21.0	
78 N-Nitrosodiphenylamine	169	7.392	7.392	0.000	66	847376	10.0	10.4	
79 1,2-Diphenylhydrazine	77	7.417	7.417	0.000	91	1657862	10.0	10.7	
$ 80 2,4,6-Tribromophenol	330	7.491	7.491	0.000	96	451034	10.0	9.53	
81 4-Bromophenyl phenyl ether	248	7.736	7.736	0.000	94	558332	10.0	10.1	
82 Hexachlorobenzene	284	7.785	7.785	0.000	95	709330	10.0	9.94	
85 Pentachloronitrobenzene	237	7.996	7.996	0.000	87	307635	10.0	10.8	
84 Pentachlorophenol	266	8.011	8.011	0.000	92	805654	20.0	22.3	
86 n-Octadecane	57	8.100	8.100	0.000	91	802266	10.0	10.8	
* 87 Phenanthrene-d10	188	8.158	8.158	0.000	97	1260864	8.00	8.00	
88 Phenanthrene	178	8.182	8.182	0.000	97	1579023	10.0	10.7	
89 Anthracene	178	8.231	8.231	0.000	97	1654414	10.0	10.8	
90 Carbazole	167	8.408	8.408	0.000	98	1374615	10.0	10.7	
91 Di-n-butyl phthalate	149	8.767	8.767	0.000	98	1889750	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.334	9.334	0.000	97	1815976	10.0	11.0	
93 Benzidine	184	9.495	9.495	0.000	97	910567	10.0	9.71	M
94 Pyrene	202	9.551	9.551	0.000	96	1836248	10.0	10.2	
95 Bisphenol-A	213	9.665	9.665	0.000	0	756405	10.0	9.86	
$ 96 Terphenyl-d14	244	9.722	9.722	0.000	98	1640127	10.0	9.46	
97 Butyl benzyl phthalate	149	10.223	10.223	0.000	98	852758	10.0	10.2	
98 2,3,7,8-TCDD	320	10.280	10.280	0.000	11	2785	0.1000	0.1000	
99 Carbamazepine	193	10.321	10.321	0.000	87	603167	10.0	10.1	
101 Benzo[a]anthracene	228	10.757	10.757	0.000	95	1833899	10.0	10.6	
100 3,3'-Dichlorobenzidine	252	10.757	10.757	0.000	85	763777	10.0	10.0	
* 102 Chrysene-d12	240	10.772	10.772	0.000	97	1318271	8.00	8.00	
104 Chrysene	228	10.796	10.796	0.000	98	1584892	10.0	10.1	
103 Bis(2-ethylhexyl) phthalat	149	10.844	10.844	0.000	88	1086986	10.0	9.97	
105 Di-n-octyl phthalate	149	11.606	11.606	0.000	96	1686853	10.0	10.4	
106 Benzo[b]fluoranthene	252	12.014	12.014	0.000	95	1672843	10.0	10.6	
107 Benzo[k]fluoranthene	252	12.046	12.046	0.000	95	1507207	10.0	9.63	
108 Benzo[a]pyrene	252	12.411	12.411	0.000	96	1437939	10.0	9.89	
* 109 Perylene-d12	264	12.485	12.485	0.000	96	1134258	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.838	13.838	0.000	92	1542636	10.0	10.7	
111 Dibenz(a,h)anthracene	278	13.870	13.870	0.000	95	1544161	10.0	11.6	
112 Benzo[g,h,i]perylene	276	14.162	14.162	0.000	93	1631589	10.0	10.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL6_00040 Amount Added: 1.00 Units: mL

Report Date: 23-Aug-2016 17:41:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231613.D

Injection Date: 23-Aug-2016 10:18:30 Instrument ID: CBNAMS6 Operator ID:

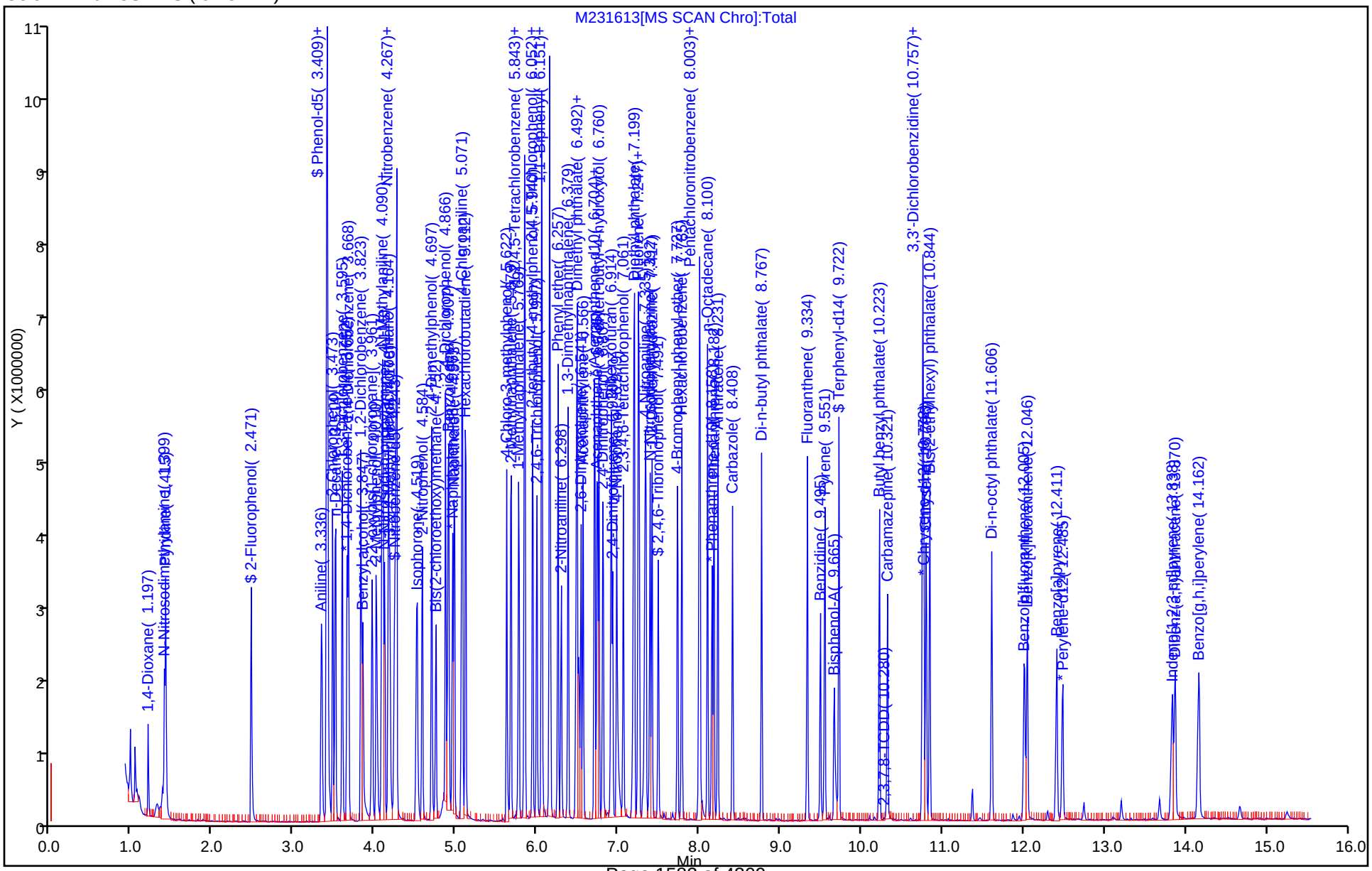
Lims ID: ICIS Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

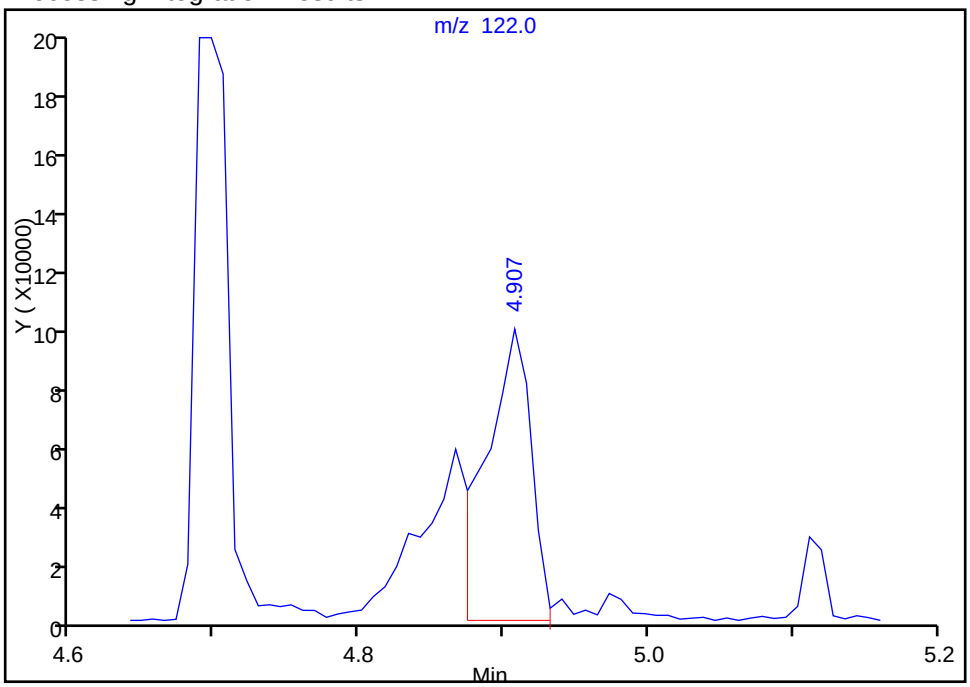
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231613.D				
Injection Date:	23-Aug-2016 10:18:30	Instrument ID:	CBNAMS6		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

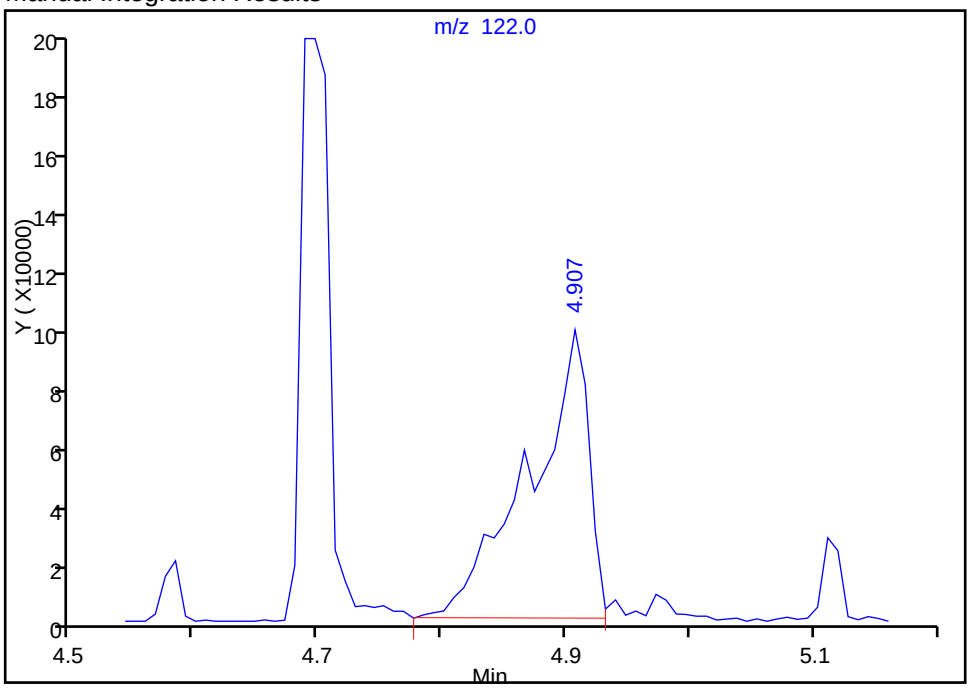
Processing Integration Results

RT: 4.91
Area: 212127
Amount: 17.275670
Amount Units: ug/ml



Manual Integration Results

RT: 4.91
Area: 313672
Amount: 11.679559
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:43:34

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

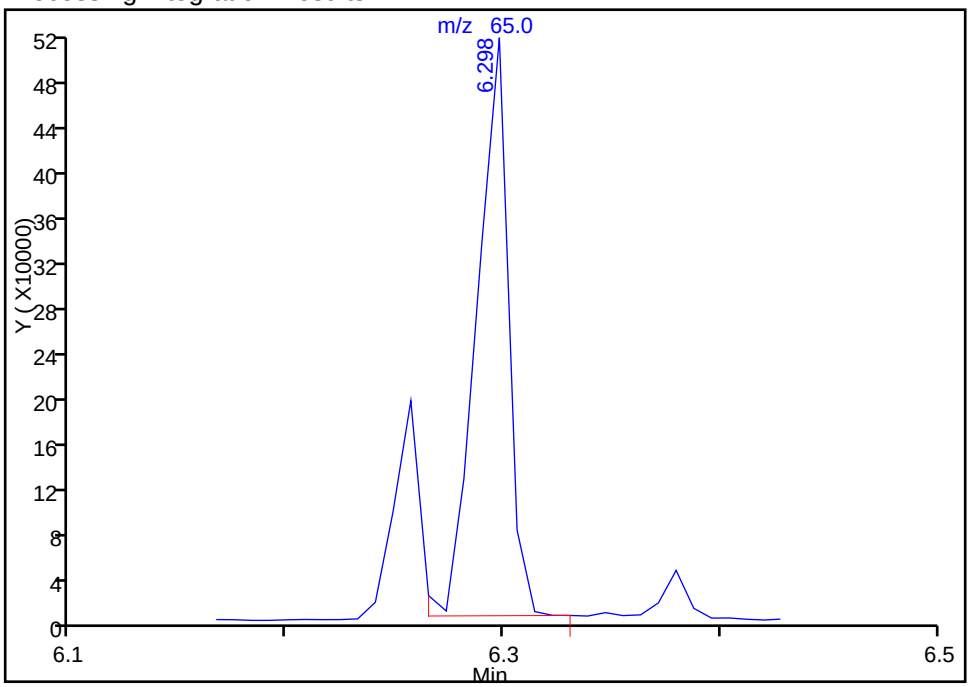
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231613.D				
Injection Date:	23-Aug-2016 10:18:30	Instrument ID:	CBNAMS6		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

57 2-Nitroaniline, CAS: 88-74-4

Signal: 1

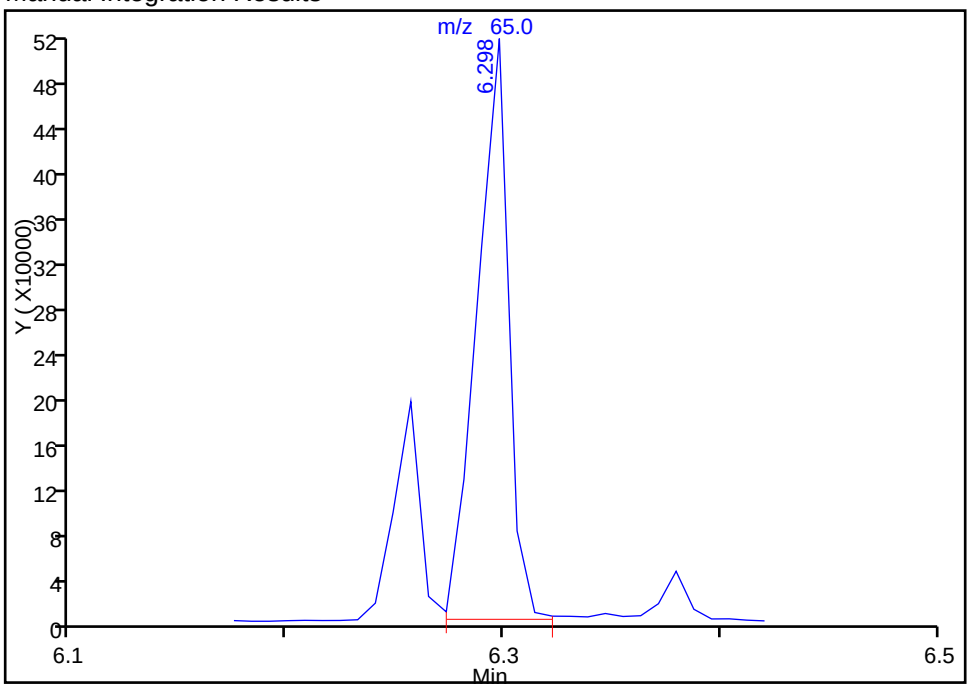
Processing Integration Results

RT: 6.30
Area: 519159
Amount: 9.993098
Amount Units: ug/ml



Manual Integration Results

RT: 6.30
Area: 518573
Amount: 9.879958
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:55:04

Audit Action: Manually Integrated Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

TestAmerica Edison

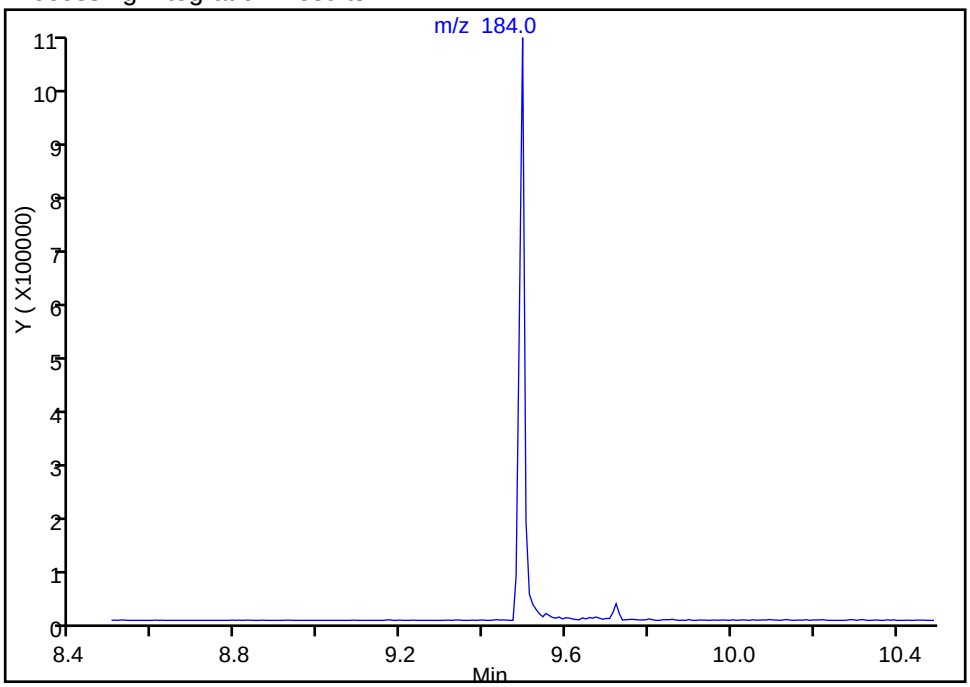
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231613.D				
Injection Date:	23-Aug-2016 10:18:30	Instrument ID:	CBNAMS6		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

93 Benzidine, CAS: 92-87-5

Signal: 1

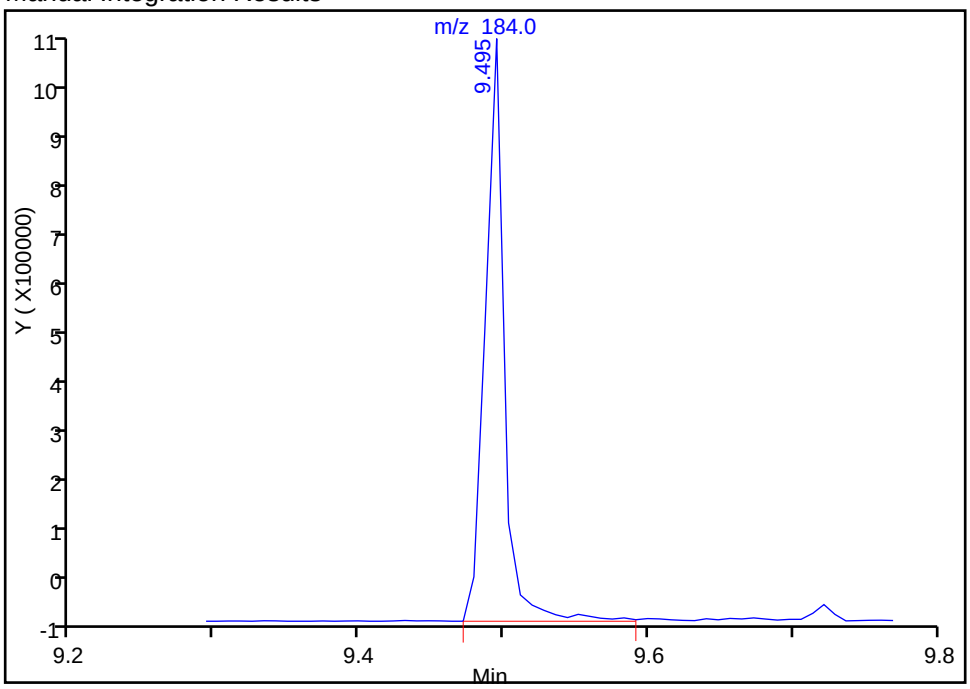
Not Detected
Expected RT: 9.49

Processing Integration Results



Manual Integration Results

RT: 9.49
Area: 910567
Amount: 9.705302
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:43:34
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

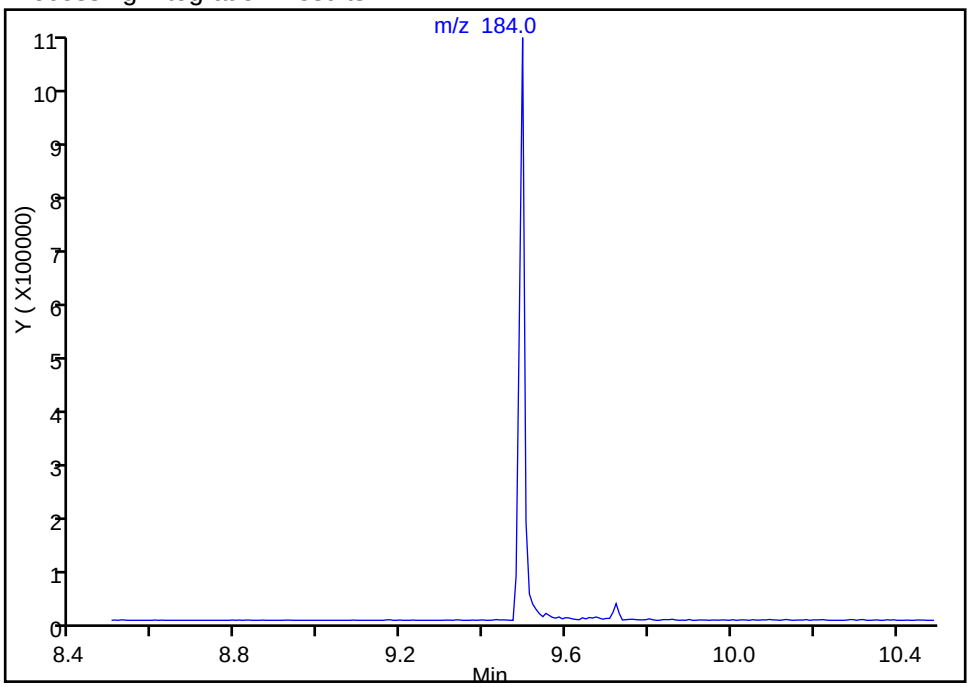
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231613.D
Injection Date: 23-Aug-2016 10:18:30 Instrument ID: CBNAMS6
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

93 Benzidine, CAS: 92-87-5

Signal: 1

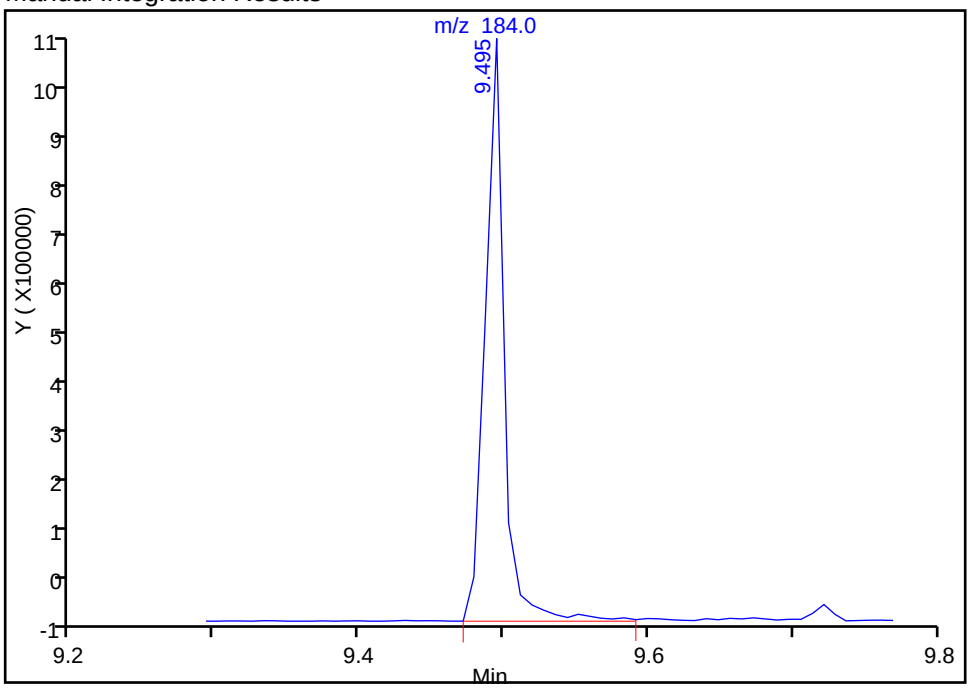
Processing Integration Results

Not Detected
Expected RT: 9.49



Manual Integration Results

RT: 9.49
Area: 910567
Amount: 9.705302
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:43:34
Audit Action: Manually Integrated Audit Reason: Peak Tail

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231614.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 23-Aug-2016 10:42:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044755-003
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:41:48 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 11:49:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.205	1.197	0.008	90	644113	24.0	25.8	
2 N-Nitrosodimethylamine	74	1.422	1.399	0.023	64	1321418	24.0	31.2	
3 Pyridine	79	1.422	1.415	0.007	77	1697178	24.0	29.9	
$ 4 2-Fluorophenol	112	2.473	2.471	0.001	81	1413702	24.0	31.0	
8 Aniline	93	3.359	3.336	0.023	91	1853048	24.0	24.7	
$ 6 Phenol-d5	99	3.416	3.401	0.015	79	2466224	24.0	23.1	
7 Phenol	94	3.424	3.409	0.015	88	2516789	24.0	32.9	
9 Bis(2-chloroethyl)ether	93	3.424	3.409	0.015	80	2056126	24.0	19.3	
10 Benzonitrile	103	3.432	3.409	0.023	87	3493534	NC	NC	
11 2-Chlorophenol	128	3.488	3.473	0.015	80	1475689	24.0	29.1	
12 n-Decane	43	3.521	3.506	0.015	86	2060180	24.0	28.4	
13 1,3-Dichlorobenzene	146	3.602	3.595	0.007	84	1852104	24.0	26.2	
* 14 1,4-Dichlorobenzene-d4	152	3.659	3.652	0.007	90	415040	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.676	3.668	0.008	85	1959994	24.0	26.8	
18 1,2-Dichlorobenzene	146	3.830	3.823	0.007	85	1788540	24.0	26.0	
17 Benzyl alcohol	108	3.871	3.847	0.024	78	713674	24.0	24.2	
20 2,2'-oxybis[1-chloropropan	45	3.969	3.961	0.008	77	2086334	24.0	23.8	
19 2-Methylphenol	108	4.033	4.010	0.023	67	1152336	24.0	26.6	
23 N-Methylaniline	106	4.099	4.082	0.017	76	2329526	NC	NC	
24 Acetophenone	105	4.123	4.098	0.025	90	2374329	24.0	23.9	
25 N-Nitrosodi-n-propylamine	70	4.148	4.115	0.033	90	1534059	24.0	24.4	
27 Hexachloroethane	117	4.164	4.164	0.000	86	936502	24.0	27.1	
26 3 & 4 Methylphenol	108	4.195	4.178	0.017	70	1245717	24.0	26.6	
21 4-Methylphenol	108	4.195	4.178	0.017	81	1223267	24.0	26.3	
$ 28 Nitrobenzene-d5	82	4.267	4.243	0.024	98	2550972	24.0	25.9	
29 Nitrobenzene	77	4.283	4.267	0.016	85	3255315	24.0	26.1	
30 n,n'-Dimethylaniline	120	4.283	4.267	0.016	93	2498918	24.0	18.3	
31 Isophorone	82	4.542	4.519	0.023	95	3324880	24.0	22.9	
32 2-Nitrophenol	139	4.591	4.584	0.007	57	892237	24.0	27.3	
33 2,4-Dimethylphenol	122	4.712	4.697	0.015	77	1125392	24.0	27.0	
34 Bis(2-chloroethoxy)methane	93	4.761	4.752	0.009	89	1574497	24.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.883	4.866	0.017	88	1600648	24.0	27.0	
35 Benzoic acid	122	4.988	4.907	0.081	30	881129	24.0	35.2	M
37 1,2,4-Trichlorobenzene	180	4.916	4.907	0.009	93	1854111	24.0	27.8	
* 38 Naphthalene-d8	136	4.963	4.956	0.007	98	1213725	8.00	8.00	
39 Naphthalene	128	4.988	4.981	0.007	93	3360316	24.0	25.4	
40 4-Chloroaniline	127	5.084	5.071	0.013	91	1811609	24.0	29.0	
41 Hexachlorobutadiene	225	5.125	5.120	0.005	92	1345468	24.0	24.5	
44 4-Chloro-3-methylphenol	107	5.628	5.622	0.006	89	1342009	24.0	25.7	
45 2-Methylnaphthalene	142	5.684	5.679	0.005	79	2531718	24.0	26.0	
46 1-Methylnaphthalene	142	5.782	5.769	0.013	86	2371447	24.0	27.1	
47 Hexachlorocyclopentadiene	237	5.847	5.843	0.004	94	1580187	24.0	27.1	
48 1,2,4,5-Tetrachlorobenzene	216	5.862	5.850	0.012	96	2119521	24.0	26.1	
49 2-tertbutyl-4-methylphenol	149	5.952	5.940	0.012	85	2061143	24.0	24.9	
50 2,4,6-Trichlorophenol	196	6.009	5.997	0.012	88	1103541	24.0	25.3	
51 2,4,5-Trichlorophenol	196	6.059	6.052	0.007	91	1288019	24.0	28.3	
$ 52 2-Fluorobiphenyl	172	6.066	6.061	0.005	95	3985186	24.0	29.7	
53 1,1'-Biphenyl	154	6.163	6.151	0.012	95	3000838	24.0	24.0	
54 2-Chloronaphthalene	162	6.172	6.159	0.013	95	2967385	24.0	27.2	
55 Phenyl ether	170	6.266	6.257	0.009	91	2051014	24.0	29.5	
57 2-Nitroaniline	65	6.316	6.298	0.018	85	1043680	24.0	23.5	
58 1,3-Dimethylnaphthalene	156	6.389	6.379	0.010	93	2315998	24.0	29.9	
60 Coumarin	146	6.512	6.484	0.028	70	894497	24.0	25.6	
59 Dimethyl phthalate	163	6.512	6.492	0.020	95	2856099	24.0	23.3	
61 2,6-Dinitrotoluene	165	6.561	6.541	0.020	88	768200	24.0	26.6	
62 Acenaphthylene	152	6.577	6.566	0.011	95	3220971	24.0	24.2	
* 64 Acenaphthene-d10	164	6.714	6.704	0.010	90	719321	8.00	8.00	
63 3-Nitroaniline	138	6.731	6.712	0.019	83	655080	24.0	24.9	
66 Acenaphthene	154	6.755	6.735	0.020	93	2578278	24.0	28.3	
65 3,5-di-tert-butyl-4-hydrox	205	6.771	6.760	0.011	97	2680834	24.0	25.6	
67 2,4-Dinitrophenol	184	6.828	6.816	0.012	84	1097908	48.0	50.9	
71 Dibenzofuran	168	6.926	6.914	0.012	91	3182226	24.0	24.1	
70 2,4-Dinitrotoluene	165	6.950	6.930	0.020	84	899761	24.0	25.8	
69 4-Nitrophenol	65	6.991	6.979	0.012	85	1469819	48.0	47.8	
72 2,3,4,6-Tetrachlorophenol	232	7.071	7.061	0.010	92	1014749	24.0	24.1	
73 Diethyl phthalate	149	7.209	7.191	0.018	96	3118173	24.0	24.8	
75 Fluorene	166	7.259	7.247	0.012	93	2692891	24.0	25.5	
74 4-Chlorophenyl phenyl ethe	204	7.267	7.255	0.012	80	1563935	24.0	24.7	
76 4-Nitroaniline	138	7.365	7.335	0.030	77	547885	24.0	25.0	
77 4,6-Dinitro-2-methylphenol	198	7.365	7.343	0.022	62	1364013	48.0	53.9	
78 N-Nitrosodiphenylamine	169	7.406	7.392	0.014	65	1795710	24.0	27.4	
79 1,2-Diphenylhydrazine	77	7.430	7.417	0.013	90	3095531	24.0	24.8	
$ 80 2,4,6-Tribromophenol	330	7.510	7.491	0.019	96	939455	24.0	23.5	
81 4-Bromophenyl phenyl ether	248	7.743	7.736	0.007	88	1100402	24.0	24.6	
82 Hexachlorobenzene	284	7.792	7.785	0.007	95	1383167	24.0	24.0	
85 Pentachloronitrobenzene	237	8.003	7.996	0.007	89	566798	24.0	24.2	
84 Pentachlorophenol	266	8.018	8.011	0.007	91	1591549	48.0	54.5	
86 n-Octadecane	57	8.106	8.100	0.006	91	1672700	24.0	28.0	
* 87 Phenanthrene-d10	188	8.163	8.158	0.005	97	1018355	8.00	8.00	
88 Phenanthrene	178	8.187	8.182	0.005	97	3080434	24.0	25.9	
89 Anthracene	178	8.244	8.231	0.013	96	3367646	24.0	27.3	
90 Carbazole	167	8.423	8.408	0.015	98	2755553	24.0	26.6	
91 Di-n-butyl phthalate	149	8.771	8.767	0.004	97	3569989	24.0	23.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.338	9.334	0.004	96	3283673	24.0	24.6	
93 Benzidine	184	9.500	9.495	0.005	97	1996325	24.0	26.3	
94 Pyrene	202	9.557	9.551	0.006	95	3172570	24.0	21.7	
95 Bisphenol-A	213	9.671	9.665	0.006	0	1604716	24.0	25.7	
$ 96 Terphenyl-d14	244	9.734	9.722	0.012	98	3049128	24.0	21.6	
97 Butyl benzyl phthalate	149	10.227	10.223	0.004	97	1622502	24.0	23.7	
99 Carbamazepine	193	10.333	10.321	0.012	87	1331887	24.0	27.5	
101 Benzo[a]anthracene	228	10.765	10.757	0.008	96	3450014	24.0	24.5	
100 3,3'-Dichlorobenzidine	252	10.772	10.757	0.015	96	1564762	24.0	25.2	
* 102 Chrysene-d12	240	10.780	10.772	0.008	98	1073154	8.00	8.00	
104 Chrysene	228	10.811	10.796	0.014	97	2935574	24.0	22.9	
103 Bis(2-ethylhexyl) phthalat	149	10.850	10.844	0.006	89	2141357	24.0	24.1	
105 Di-n-octyl phthalate	149	11.621	11.606	0.015	96	3290451	24.0	22.0	
106 Benzo[b]fluoranthene	252	12.033	12.014	0.019	95	3732333	24.0	25.4	
107 Benzo[k]fluoranthene	252	12.064	12.046	0.018	95	3120837	24.0	21.5	
108 Benzo[a]pyrene	252	12.429	12.411	0.018	97	3156835	24.0	23.4	
* 109 Perylene-d12	264	12.493	12.485	0.008	96	1051165	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.849	13.838	0.011	1	4121089	24.0	24.2	M
111 Dibenz(a,h)anthracene	278	13.902	13.870	0.032	95	3649994	24.0	29.5	
112 Benzo[g,h,i]perylene	276	14.201	14.162	0.039	94	3979590	24.0	28.4	
S 119 Total Cresols	1				0			53.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL8_00012 Amount Added: 1.00 Units: mL

Report Date: 23-Aug-2016 17:41:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231614.D

Injection Date: 23-Aug-2016 10:42:30 Instrument ID: CBNAMS6 Operator ID:

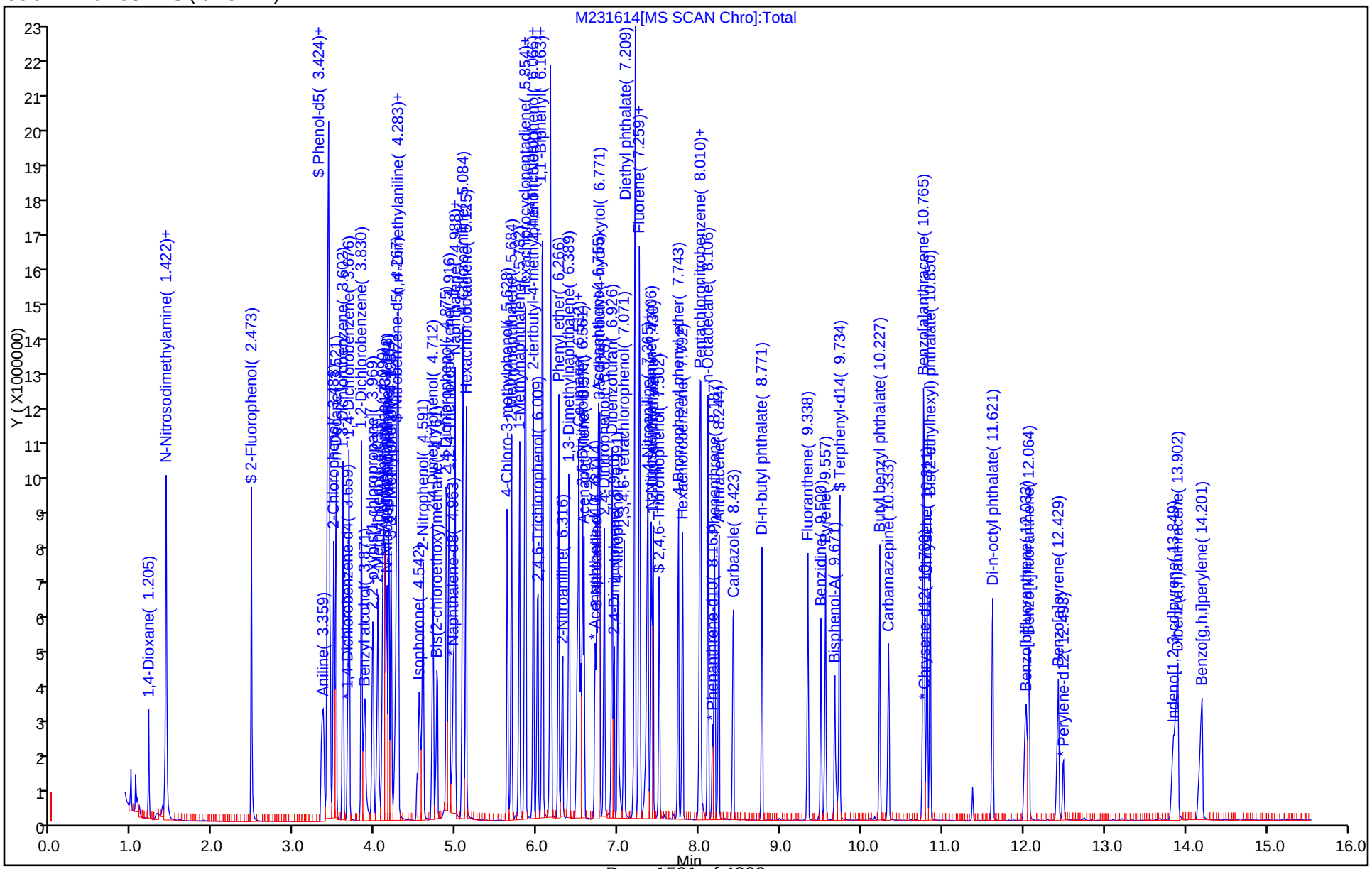
Lims ID: STD24 Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

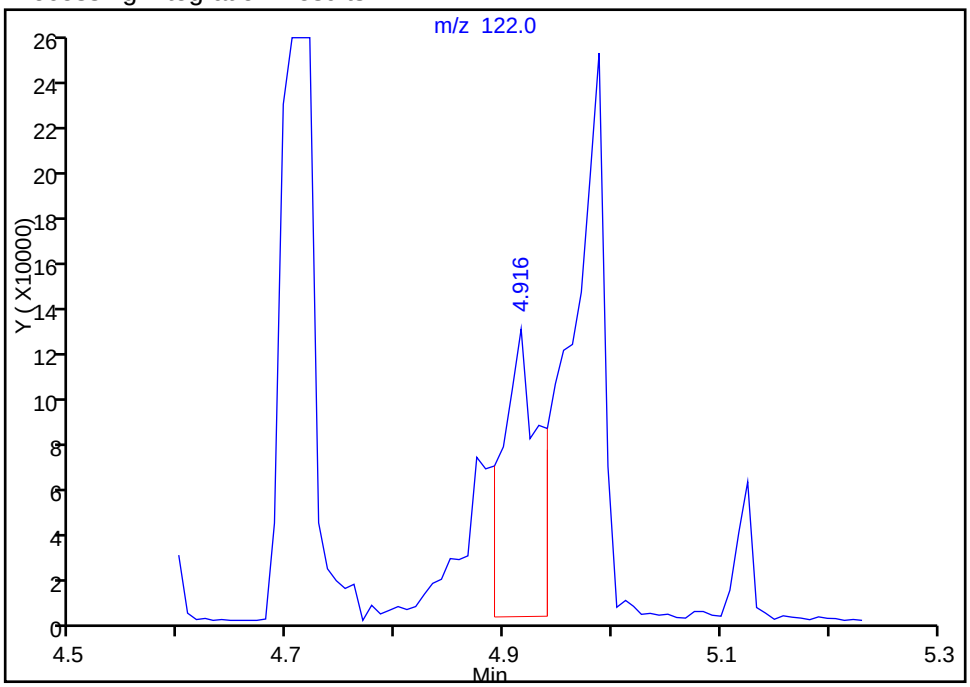
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231614.D				
Injection Date:	23-Aug-2016 10:42:30	Instrument ID:	CBNAMS6		
Lims ID:	STD24				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

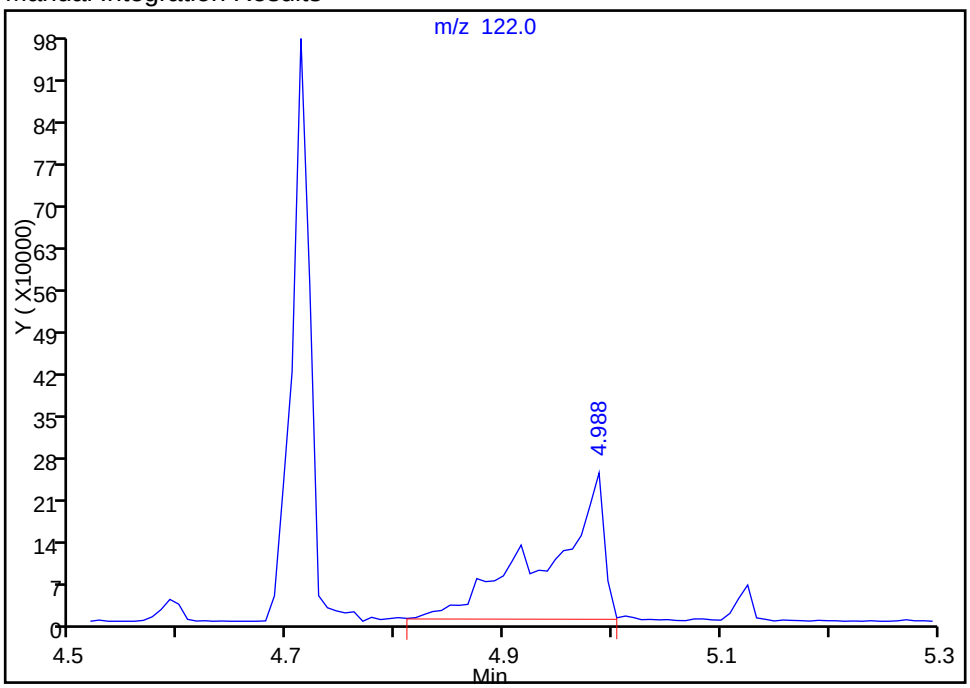
Processing Integration Results

RT: 4.92
Area: 298581
Amount: 21.597599
Amount Units: ug/ml



Manual Integration Results

RT: 4.99
Area: 881129
Amount: 35.164987
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:49:25

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

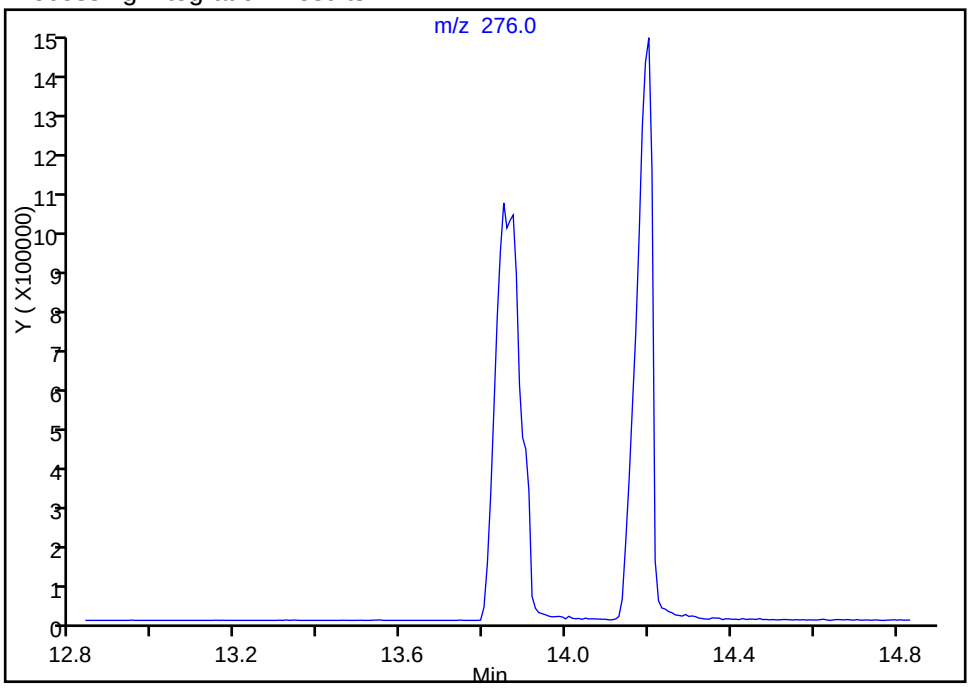
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231614.D				
Injection Date:	23-Aug-2016 10:42:30	Instrument ID:	CBNAMS6		
Lims ID:	STD24				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

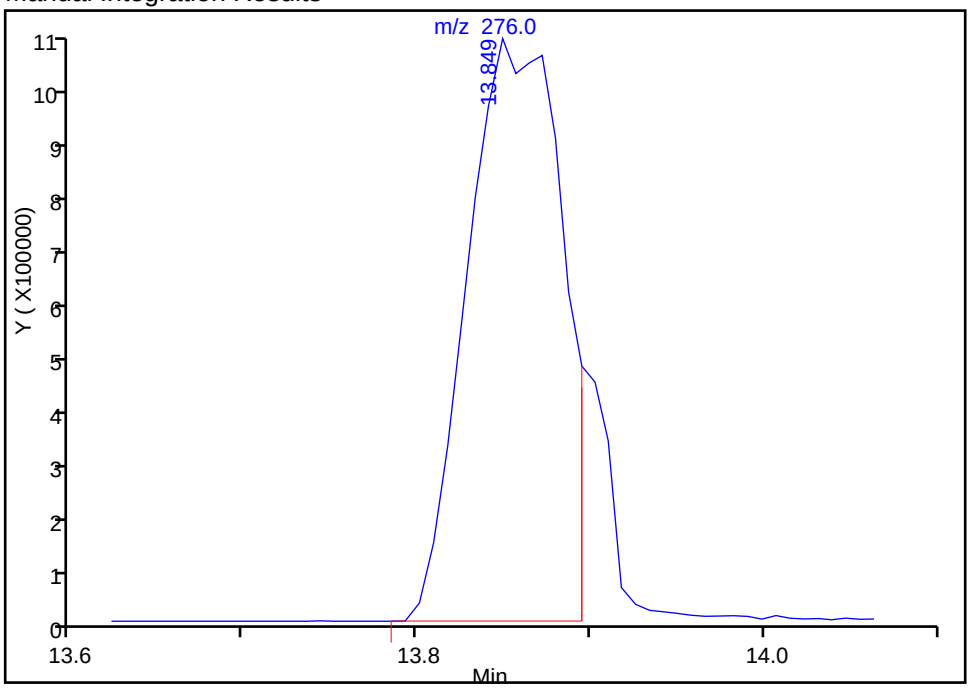
Not Detected
Expected RT: 13.84

Processing Integration Results



Manual Integration Results

RT: 13.85
Area: 4121089
Amount: 24.217195
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:49:25
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

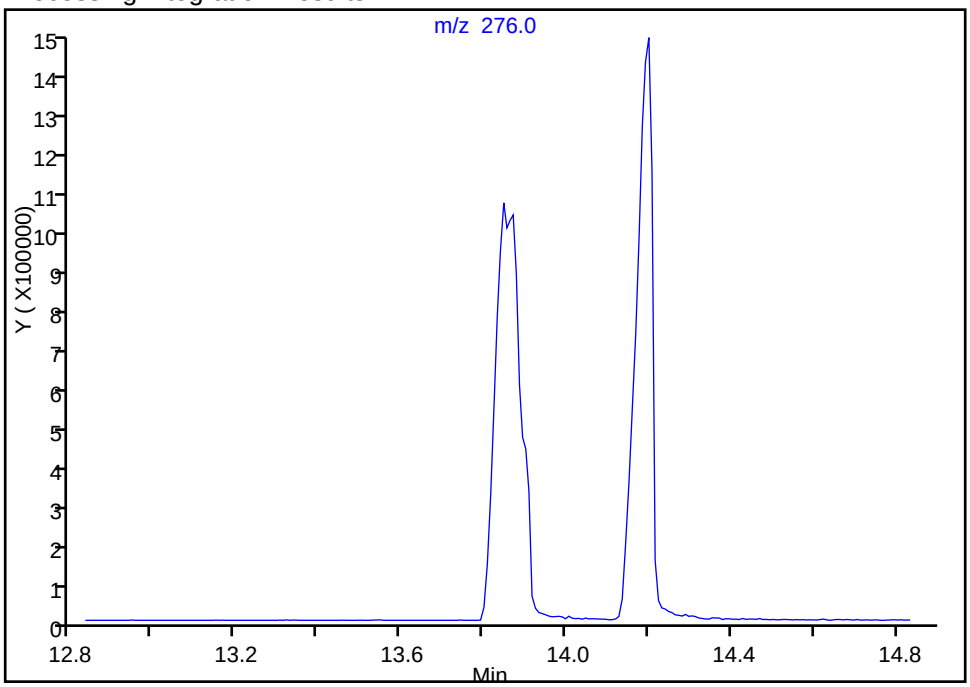
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231614.D
Injection Date: 23-Aug-2016 10:42:30 Instrument ID: CBNAMS6
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

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

Signal: 1

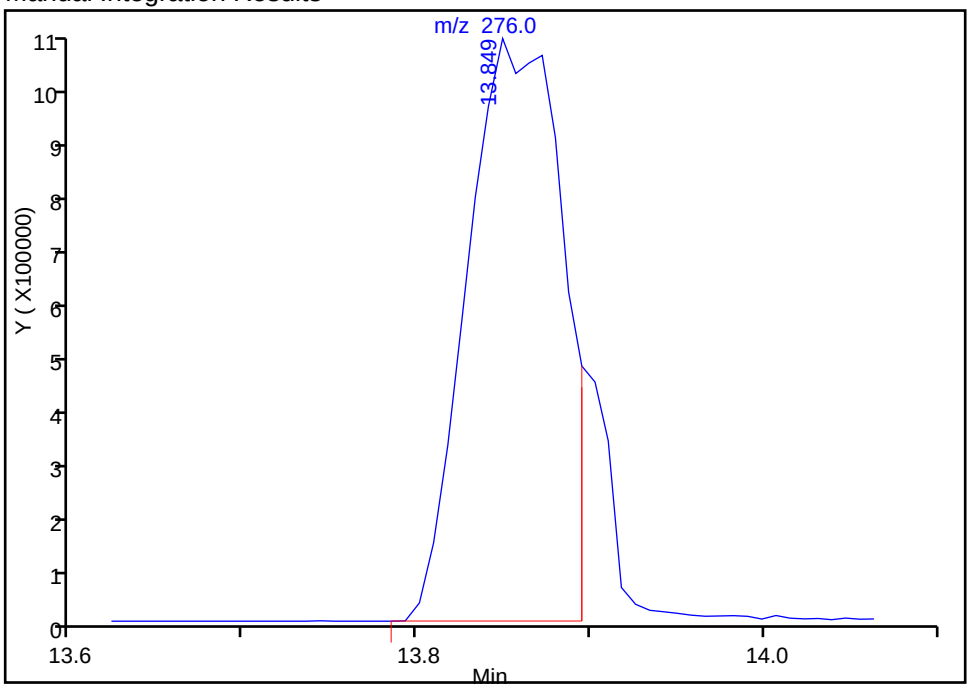
Not Detected
Expected RT: 13.84

Processing Integration Results



Manual Integration Results

RT: 13.85
Area: 4121089
Amount: 24.217195
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:49:25
Audit Action: Manually Integrated Audit Reason: Missed Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231615.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 23-Aug-2016 11:01:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044755-004
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:41:53 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 11:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.221	1.197	0.024	88	397132	16.0	15.0	
2 N-Nitrosodimethylamine	74	1.424	1.399	0.025	56	654541	16.0	14.5	
3 Pyridine	79	1.432	1.415	0.017	76	1055249	16.0	17.5	
$ 4 2-Fluorophenol	112	2.475	2.471	0.004	77	884378	16.0	18.2	
8 Aniline	93	3.349	3.336	0.013	87	1282483	16.0	16.1	
$ 6 Phenol-d5	99	3.406	3.401	0.005	78	1633841	16.0	15.9	
7 Phenol	94	3.415	3.409	0.006	83	1531469	16.0	18.8	
9 Bis(2-chloroethyl)ether	93	3.415	3.409	0.006	93	1285850	16.0	13.6	
10 Benzonitrile	103	3.423	3.409	0.014	89	2141825	NC	NC	
11 2-Chlorophenol	128	3.480	3.473	0.007	78	950619	16.0	17.6	
12 n-Decane	43	3.513	3.506	0.006	84	1229133	16.0	15.9	
13 1,3-Dichlorobenzene	146	3.602	3.595	0.007	86	1255686	16.0	16.7	
* 14 1,4-Dichlorobenzene-d4	152	3.659	3.652	0.007	89	441571	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.676	3.668	0.008	86	1310258	16.0	16.8	
18 1,2-Dichlorobenzene	146	3.829	3.823	0.006	88	1208902	16.0	16.5	
17 Benzyl alcohol	108	3.862	3.847	0.015	78	463865	16.0	14.9	
20 2,2'-oxybis[1-chloropropan	45	3.968	3.961	0.007	76	1414277	16.0	15.2	
19 2-Methylphenol	108	4.024	4.010	0.014	61	743945	16.0	16.1	
23 N-Methylaniline	106	4.089	4.082	0.007	76	1522789	NC	NC	
24 Acetophenone	105	4.106	4.098	0.008	85	1622887	16.0	15.4	
25 N-Nitrosodi-n-propylamine	70	4.130	4.115	0.015	91	1050143	16.0	15.7	
27 Hexachloroethane	117	4.163	4.164	-0.001	86	630309	16.0	17.1	
26 3 & 4 Methylphenol	108	4.187	4.178	0.009	69	808810	16.0	16.2	
21 4-Methylphenol	108	4.187	4.178	0.009	79	805645	16.0	16.3	
$ 28 Nitrobenzene-d5	82	4.251	4.243	0.008	99	1726911	16.0	16.0	
29 Nitrobenzene	77	4.275	4.267	0.008	81	2154095	16.0	15.7	
30 n,n'-Dimethylaniline	120	4.275	4.267	0.008	75	1657691	16.0	13.4	
31 Isophorone	82	4.526	4.519	0.007	93	2375942	16.0	14.9	
32 2-Nitrophenol	139	4.591	4.584	0.007	62	602437	16.0	16.8	
33 2,4-Dimethylphenol	122	4.704	4.697	0.007	77	779906	16.0	17.1	
34 Bis(2-chloroethoxy)methane	93	4.753	4.752	0.001	86	1013107	16.0	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.875	4.866	0.009	87	1033576	16.0	15.9	
35 Benzoic acid	122	4.916	4.907	0.009	83	509497	16.0	18.5	M
37 1,2,4-Trichlorobenzene	180	4.908	4.907	0.001	92	1230639	16.0	16.8	
* 38 Naphthalene-d8	136	4.957	4.956	0.001	98	1332396	8.00	8.00	
39 Naphthalene	128	4.982	4.981	0.001	94	2404086	16.0	16.6	
40 4-Chloroaniline	127	5.079	5.071	0.008	91	1161462	16.0	17.0	
41 Hexachlorobutadiene	225	5.120	5.120	0.000	93	957572	16.0	15.9	
44 4-Chloro-3-methylphenol	107	5.623	5.622	0.001	88	900609	16.0	15.7	
45 2-Methylnaphthalene	142	5.680	5.679	0.001	78	1693569	16.0	15.8	
46 1-Methylnaphthalene	142	5.778	5.769	0.009	92	1731951	16.0	18.0	
47 Hexachlorocyclopentadiene	237	5.842	5.843	-0.001	94	1105036	16.0	17.3	
48 1,2,4,5-Tetrachlorobenzene	216	5.857	5.850	0.007	95	1464348	16.0	16.5	
49 2-tertbutyl-4-methylphenol	149	5.945	5.940	0.005	86	1492634	16.0	16.4	
50 2,4,6-Trichlorophenol	196	6.002	5.997	0.005	89	784825	16.0	16.5	
51 2,4,5-Trichlorophenol	196	6.059	6.052	0.007	93	858761	16.0	17.2	
$ 52 2-Fluorobiphenyl	172	6.059	6.061	-0.002	95	2691022	16.0	18.3	
53 1,1'-Biphenyl	154	6.158	6.151	0.007	96	2396613	16.0	17.5	
54 2-Chloronaphthalene	162	6.166	6.159	0.007	93	1985632	16.0	16.6	
55 Phenyl ether	170	6.264	6.257	0.007	89	1334198	16.0	17.5	
57 2-Nitroaniline	65	6.303	6.298	0.005	83	757760	16.0	15.6	
58 1,3-Dimethylnaphthalene	156	6.385	6.379	0.006	89	1459623	16.0	17.2	
60 Coumarin	146	6.500	6.484	0.016	76	617655	16.0	16.1	
59 Dimethyl phthalate	163	6.500	6.492	0.008	97	2101537	16.0	15.7	
61 2,6-Dinitrotoluene	165	6.548	6.541	0.007	83	500224	16.0	15.8	
62 Acenaphthylene	152	6.573	6.566	0.007	96	2354044	16.0	16.1	
* 64 Acenaphthene-d10	164	6.712	6.704	0.008	92	787426	8.00	8.00	
63 3-Nitroaniline	138	6.720	6.712	0.008	82	434922	16.0	15.1	
66 Acenaphthene	154	6.744	6.735	0.009	93	1684184	16.0	16.9	
65 3,5-di-tert-butyl-4-hydrox	205	6.761	6.760	0.001	97	1876631	16.0	16.4	
67 2,4-Dinitrophenol	184	6.817	6.816	0.000	82	763916	32.0	32.7	
71 Dibenzofuran	168	6.913	6.914	-0.001	92	2369432	16.0	16.4	
70 2,4-Dinitrotoluene	165	6.938	6.930	0.008	83	657764	16.0	17.2	
69 4-Nitrophenol	65	6.985	6.979	0.006	83	1069649	32.0	31.8	
72 2,3,4,6-Tetrachlorophenol	232	7.065	7.061	0.004	93	741159	16.0	16.1	
73 Diethyl phthalate	149	7.195	7.191	0.004	96	2256187	16.0	16.4	
75 Fluorene	166	7.252	7.247	0.005	94	1994602	16.0	17.3	
74 4-Chlorophenyl phenyl ethe	204	7.260	7.255	0.005	84	1159273	16.0	16.7	
76 4-Nitroaniline	138	7.350	7.335	0.015	77	409838	16.0	17.1	
77 4,6-Dinitro-2-methylphenol	198	7.350	7.343	0.007	94	971750	32.0	33.0	
78 N-Nitrosodiphenylamine	169	7.399	7.392	0.007	64	1332314	16.0	17.4	
79 1,2-Diphenylhydrazine	77	7.423	7.417	0.006	92	2430921	16.0	16.7	
$ 80 2,4,6-Tribromophenol	330	7.496	7.491	0.005	95	706863	16.0	16.1	
81 4-Bromophenyl phenyl ether	248	7.738	7.736	0.002	91	824493	16.0	15.8	
82 Hexachlorobenzene	284	7.785	7.785	0.000	95	1027687	16.0	15.3	
85 Pentachloronitrobenzene	237	7.997	7.996	0.001	89	410571	16.0	15.1	
84 Pentachlorophenol	266	8.012	8.011	0.001	92	1219473	32.0	35.8	
86 n-Octadecane	57	8.101	8.100	0.000	91	1211361	16.0	17.4	
* 87 Phenanthrene-d10	188	8.157	8.158	-0.001	97	1188481	8.00	8.00	
88 Phenanthrene	178	8.182	8.182	0.000	97	2204378	16.0	15.9	
89 Anthracene	178	8.231	8.231	0.000	96	2299941	16.0	16.0	
90 Carbazole	167	8.411	8.408	0.003	98	1942835	16.0	16.1	
91 Di-n-butyl phthalate	149	8.770	8.767	0.003	98	2686841	16.0	15.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.335	9.334	0.001	97	2418023	16.0	15.5	
93 Benzidine	184	9.498	9.495	0.003	98	1502434	16.0	17.0	
94 Pyrene	202	9.547	9.551	-0.004	97	2562126	16.0	15.8	
95 Bisphenol-A	213	9.667	9.665	0.002	0	1157611	16.0	16.7	
$ 96 Terphenyl-d14	244	9.723	9.722	0.001	98	2399711	16.0	15.3	
97 Butyl benzyl phthalate	149	10.219	10.223	-0.004	97	1215987	16.0	16.0	
99 Carbamazepine	193	10.325	10.321	0.004	87	871050	16.0	16.2	
101 Benzo[a]anthracene	228	10.756	10.757	-0.001	96	2498850	16.0	16.0	
100 3,3'-Dichlorobenzidine	252	10.763	10.757	0.006	95	1157659	16.0	16.8	
* 102 Chrysene-d12	240	10.771	10.772	-0.001	97	1189146	8.00	8.00	
104 Chrysene	228	10.802	10.796	0.006	98	2156790	16.0	15.2	
103 Bis(2-ethylhexyl) phthalat	149	10.842	10.844	-0.002	88	1611545	16.0	16.4	
105 Di-n-octyl phthalate	149	11.612	11.606	0.006	96	2355061	16.0	15.0	
106 Benzo[b]fluoranthene	252	12.019	12.014	0.004	95	2487210	16.0	16.2	
107 Benzo[k]fluoranthene	252	12.051	12.046	0.005	95	2190876	16.0	14.4	
108 Benzo[a]pyrene	252	12.414	12.411	0.003	97	2127093	16.0	15.1	
* 109 Perylene-d12	264	12.479	12.485	-0.006	96	1100435	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.842	13.838	0.004	93	2301243	16.0	15.1	
111 Dibenz(a,h)anthracene	278	13.882	13.870	0.012	99	2224174	16.0	17.2	
112 Benzo[g,h,i]perylene	276	14.179	14.162	0.017	94	2345935	16.0	16.0	
S 119 Total Cresols	1				0			32.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL7_00012 Amount Added: 1.00 Units: mL

Report Date: 23-Aug-2016 17:41:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231615.D

Injection Date: 23-Aug-2016 11:01:30 Instrument ID: CBNAMS6 Operator ID:

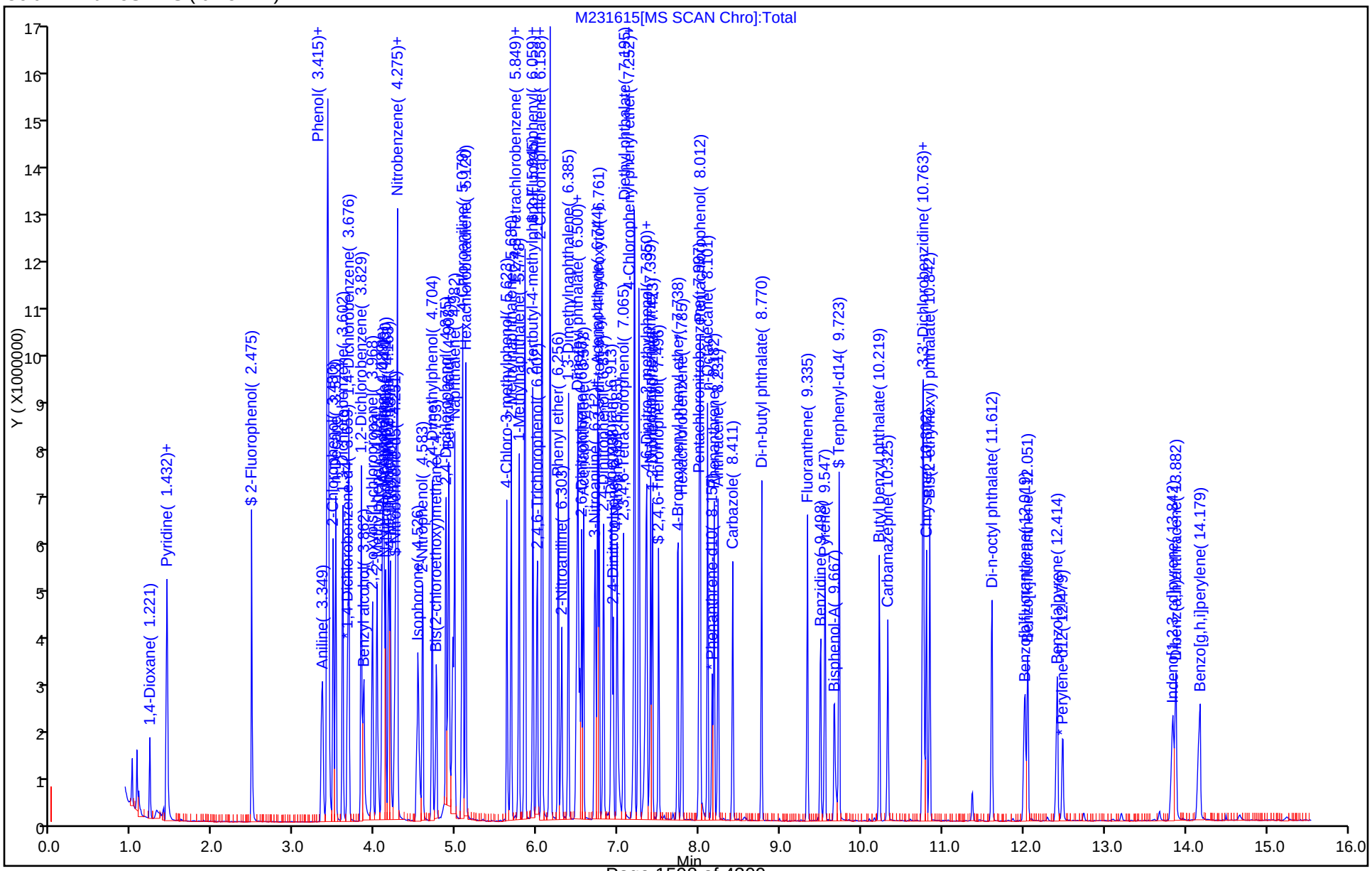
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

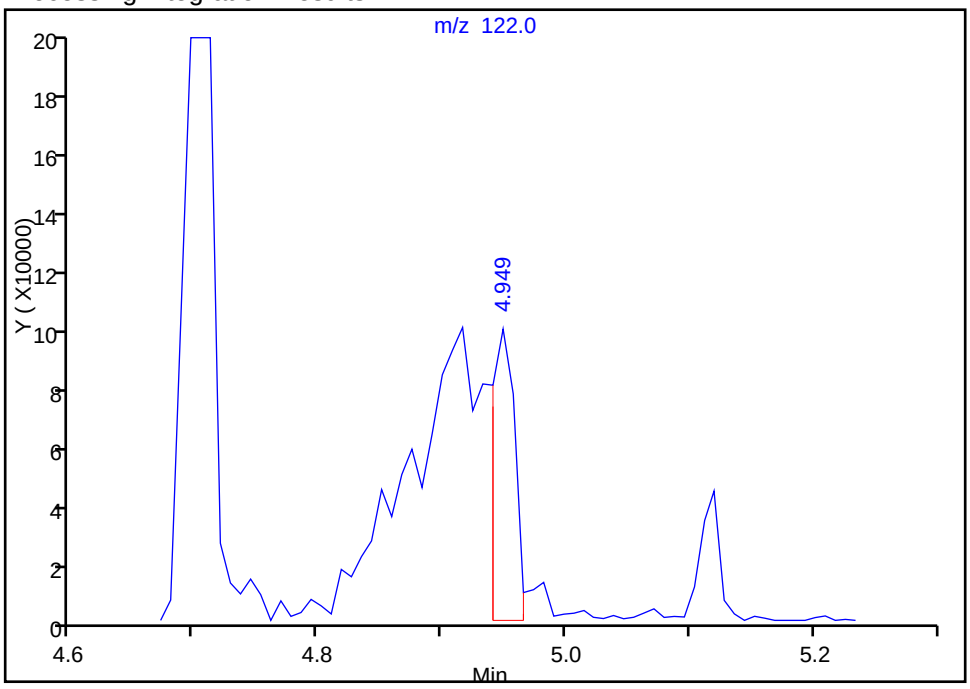
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231615.D				
Injection Date:	23-Aug-2016 11:01:30	Instrument ID:	CBNAMS6		
Lims ID:	STD16				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

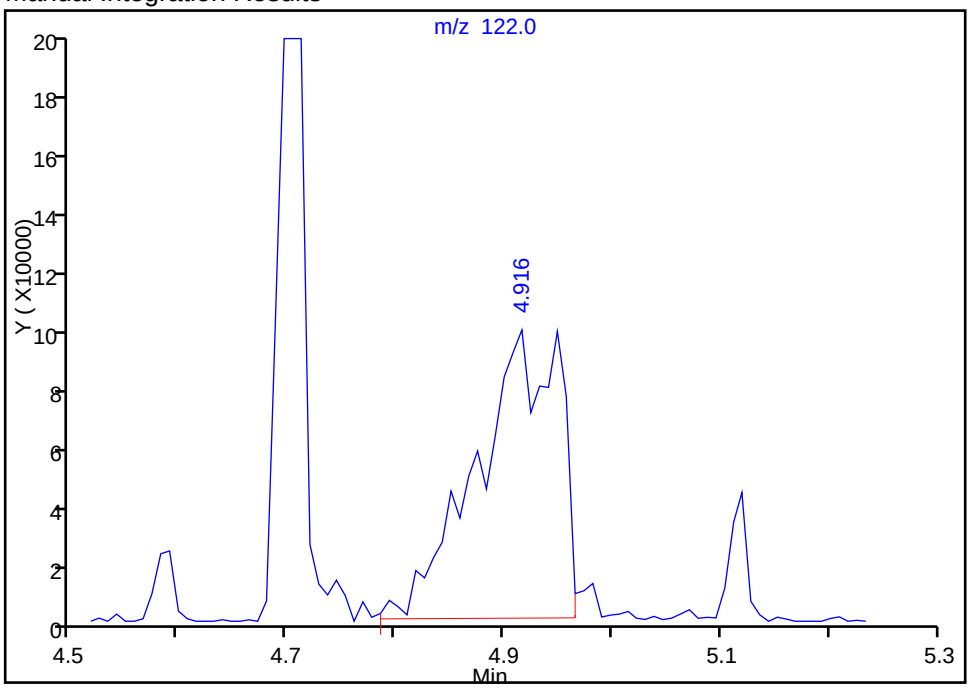
Processing Integration Results

RT: 4.95
Area: 127655
Amount: 5.845556
Amount Units: ug/ml



Manual Integration Results

RT: 4.92
Area: 509497
Amount: 18.522499
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:53:45

Audit Action: Manually Integrated Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231616.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 23-Aug-2016 11:21:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044755-005
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:41:57 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 11:54:43

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.221	1.197	0.024	87	102144	4.00	3.74	
	2 N-Nitrosodimethylamine	74	1.422	1.399	0.023	56	172481	4.00	3.72	
	3 Pyridine	79	1.439	1.415	0.024	70	215426	4.00	3.46	
$	4 2-Fluorophenol	112	2.483	2.471	0.012	69	186849	4.00	3.75	
	8 Aniline	93	3.331	3.336	-0.005	84	289353	4.00	3.52	
$	6 Phenol-d5	99	3.396	3.401	-0.005	75	316402	4.00	3.69	
	7 Phenol	94	3.404	3.409	-0.005	74	310794	4.00	3.70	
	9 Bis(2-chloroethyl)ether	93	3.396	3.409	-0.013	82	262088	4.00	3.97	
	10 Benzonitrile	103	3.404	3.409	-0.005	85	473304	NC	NC	
	11 2-Chlorophenol	128	3.469	3.473	-0.004	69	201311	4.00	3.63	
	12 n-Decane	43	3.510	3.506	0.004	86	306667	4.00	3.87	
	13 1,3-Dichlorobenzene	146	3.591	3.595	-0.004	84	296788	4.00	3.83	
*	14 1,4-Dichlorobenzene-d4	152	3.654	3.652	0.002	95	454473	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.671	3.668	0.003	88	317646	4.00	3.96	
	18 1,2-Dichlorobenzene	146	3.825	3.823	0.002	85	272591	4.00	3.62	
	17 Benzyl alcohol	108	3.833	3.847	-0.014	76	108206	4.00	3.72	
	20 2,2'-oxybis[1-chloropropan	45	3.963	3.961	0.002	72	351783	4.00	3.67	
	19 2-Methylphenol	108	4.004	4.010	-0.006	56	167292	4.00	3.53	
	23 N-Methylaniline	106	4.076	4.082	-0.006	74	362453	NC	NC	
	24 Acetophenone	105	4.084	4.098	-0.014	84	400590	4.00	3.69	
	25 N-Nitrosodi-n-propylamine	70	4.101	4.115	-0.014	92	272752	4.00	3.96	
	27 Hexachloroethane	117	4.156	4.164	-0.008	84	156674	4.00	4.14	
	26 3 & 4 Methylphenol	108	4.173	4.178	-0.005	70	195754	4.00	3.82	
	21 4-Methylphenol	108	4.173	4.178	-0.005	75	195754	4.00	3.84	
$	28 Nitrobenzene-d5	82	4.230	4.243	-0.013	97	459053	4.00	3.98	
	29 Nitrobenzene	77	4.254	4.267	-0.013	80	609649	4.00	4.18	
	30 n,n'-Dimethylaniline	120	4.254	4.267	-0.013	68	360222	4.00	4.12	
	31 Isophorone	82	4.497	4.519	-0.022	93	658164	4.00	3.88	
	32 2-Nitrophenol	139	4.578	4.584	-0.006	52	143243	4.00	3.75	
	33 2,4-Dimethylphenol	122	4.691	4.697	-0.006	73	196547	4.00	4.03	
	34 Bis(2-chloroethoxy)methane	93	4.739	4.752	-0.013	82	249512	4.00	3.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.868	4.866	0.002	86	246897	4.00	3.56	
35 Benzoic acid	122	4.868	4.907	-0.039	75	114971	4.00	3.92	M
37 1,2,4-Trichlorobenzene	180	4.900	4.907	-0.007	91	323213	4.00	4.14	
* 38 Naphthalene-d8	136	4.949	4.956	-0.007	97	1420354	8.00	8.00	
39 Naphthalene	128	4.973	4.981	-0.008	94	586147	4.00	3.79	
40 4-Chloroaniline	127	5.063	5.071	-0.008	87	266537	4.00	3.65	
41 Hexachlorobutadiene	225	5.112	5.120	-0.008	91	254122	4.00	3.95	
44 4-Chloro-3-methylphenol	107	5.621	5.622	-0.001	85	228868	4.00	3.74	
45 2-Methylnaphthalene	142	5.670	5.679	-0.009	80	445483	4.00	3.91	
46 1-Methylnaphthalene	142	5.767	5.769	-0.002	86	407979	4.00	3.98	
47 Hexachlorocyclopentadiene	237	5.841	5.843	-0.002	96	273746	4.00	3.74	
48 1,2,4,5-Tetrachlorobenzene	216	5.841	5.850	-0.009	95	387995	4.00	3.82	
49 2-tertbutyl-4-methylphenol	149	5.937	5.940	-0.003	83	386608	4.00	3.99	
50 2,4,6-Trichlorophenol	196	5.993	5.997	-0.004	85	194084	4.00	3.62	
51 2,4,5-Trichlorophenol	196	6.051	6.052	-0.001	66	209847	4.00	3.68	
$ 52 2-Fluorobiphenyl	172	6.051	6.061	-0.010	95	644025	4.00	3.82	
53 1,1'-Biphenyl	154	6.146	6.151	-0.005	96	615819	4.00	3.92	
54 2-Chloronaphthalene	162	6.154	6.159	-0.005	94	501551	4.00	3.67	
55 Phenyl ether	170	6.252	6.257	-0.005	86	353032	4.00	4.05	
57 2-Nitroaniline	65	6.285	6.298	-0.013	81	226630	4.00	4.07	M
58 1,3-Dimethylnaphthalene	156	6.374	6.379	-0.005	88	398867	4.00	4.11	
60 Coumarin	146	6.472	6.484	-0.012	75	162860	4.00	3.98	
59 Dimethyl phthalate	163	6.480	6.492	-0.012	98	613405	4.00	4.00	
61 2,6-Dinitrotoluene	165	6.529	6.541	-0.012	76	128280	4.00	3.54	
62 Acenaphthylene	152	6.561	6.566	-0.005	97	663649	4.00	3.97	
* 64 Acenaphthene-d10	164	6.700	6.704	-0.004	92	902162	8.00	8.00	
63 3-Nitroaniline	138	6.700	6.712	-0.012	53	140951	4.00	4.27	
66 Acenaphthene	154	6.733	6.735	-0.003	93	425136	4.00	3.72	
65 3,5-di-tert-butyl-4-hydrox	205	6.757	6.760	-0.003	97	553343	4.00	4.21	
67 2,4-Dinitrophenol	184	6.798	6.816	-0.018	76	175771	8.00	7.31	
71 Dibenzofuran	168	6.904	6.914	-0.010	91	622552	4.00	3.75	
70 2,4-Dinitrotoluene	165	6.920	6.930	-0.010	92	191495	4.00	4.38	
69 4-Nitrophenol	65	6.977	6.979	-0.002	81	320093	8.00	8.29	
72 2,3,4,6-Tetrachlorophenol	232	7.058	7.061	-0.003	93	211412	4.00	4.01	
73 Diethyl phthalate	149	7.172	7.191	-0.019	94	575667	4.00	3.66	
75 Fluorene	166	7.237	7.247	-0.010	94	504307	4.00	3.81	
74 4-Chlorophenyl phenyl ethe	204	7.253	7.255	-0.002	85	318496	4.00	4.01	
76 4-Nitroaniline	138	7.310	7.335	-0.025	81	112697	4.00	4.11	
77 4,6-Dinitro-2-methylphenol	198	7.325	7.343	-0.018	77	248065	8.00	7.42	
78 N-Nitrosodiphenylamine	169	7.382	7.392	-0.010	67	351085	4.00	3.92	
79 1,2-Diphenylhydrazine	77	7.407	7.417	-0.010	91	696682	4.00	4.08	
$ 80 2,4,6-Tribromophenol	330	7.488	7.491	-0.003	95	201346	4.00	4.01	
81 4-Bromophenyl phenyl ether	248	7.724	7.736	-0.012	86	244826	4.00	4.01	
82 Hexachlorobenzene	284	7.781	7.785	-0.004	95	309020	4.00	3.92	
85 Pentachloronitrobenzene	237	7.990	7.996	-0.006	88	131950	4.00	4.33	
84 Pentachlorophenol	266	7.998	8.011	-0.013	90	321222	8.00	8.04	
86 n-Octadecane	57	8.093	8.100	-0.007	86	302774	4.00	3.70	
* 87 Phenanthrene-d10	188	8.150	8.158	-0.008	97	1392701	8.00	8.00	
88 Phenanthrene	178	8.175	8.182	-0.007	97	596002	4.00	3.67	
89 Anthracene	178	8.224	8.231	-0.007	97	659579	4.00	3.91	
90 Carbazole	167	8.401	8.408	-0.007	98	571471	4.00	4.03	
91 Di-n-butyl phthalate	149	8.765	8.767	-0.002	98	851680	4.00	4.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.323	9.334	-0.011	97	720206	4.00	3.95	
93 Benzidine	184	9.485	9.495	-0.010	96	422231	4.00	4.07	
94 Pyrene	202	9.542	9.551	-0.009	97	771849	4.00	4.28	
95 Bisphenol-A	213	9.664	9.665	-0.001	0	339929	4.00	4.41	
$ 96 Terphenyl-d14	244	9.721	9.722	-0.001	98	734152	4.00	4.21	
97 Butyl benzyl phthalate	149	10.215	10.223	-0.008	97	348417	4.00	4.13	
99 Carbamazepine	193	10.313	10.321	-0.008	89	272342	4.00	4.55	
101 Benzo[a]anthracene	228	10.751	10.757	-0.006	95	721272	4.00	4.16	
100 3,3'-Dichlorobenzidine	252	10.751	10.757	-0.006	96	353759	4.00	4.62	
* 102 Chrysene-d12	240	10.766	10.772	-0.006	97	1324007	8.00	8.00	
104 Chrysene	228	10.790	10.796	-0.006	99	655975	4.00	4.15	
103 Bis(2-ethylhexyl) phthalat	149	10.837	10.844	-0.007	87	426895	4.00	3.90	
105 Di-n-octyl phthalate	149	11.599	11.606	-0.007	95	645717	4.00	4.10	
106 Benzo[b]fluoranthene	252	11.996	12.014	-0.018	95	576902	4.00	3.73	
107 Benzo[k]fluoranthene	252	12.029	12.046	-0.017	94	670749	4.00	4.39	
108 Benzo[a]pyrene	252	12.400	12.411	-0.011	97	569970	4.00	4.02	
* 109 Perylene-d12	264	12.480	12.485	-0.005	97	1106216	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.818	13.838	-0.020	93	518451	4.00	4.27	
111 Dibenz(a,h)anthracene	278	13.851	13.870	-0.019	97	497744	4.00	3.82	
112 Benzo[g,h,i]perylene	276	14.142	14.162	-0.020	93	529182	4.00	3.59	
S 119 Total Cresols	1				0			7.34	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL5_00020 Amount Added: 1.00 Units: mL

Report Date: 23-Aug-2016 17:41:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231616.D

Injection Date: 23-Aug-2016 11:21:30 Instrument ID: CBNAMS6 Operator ID:

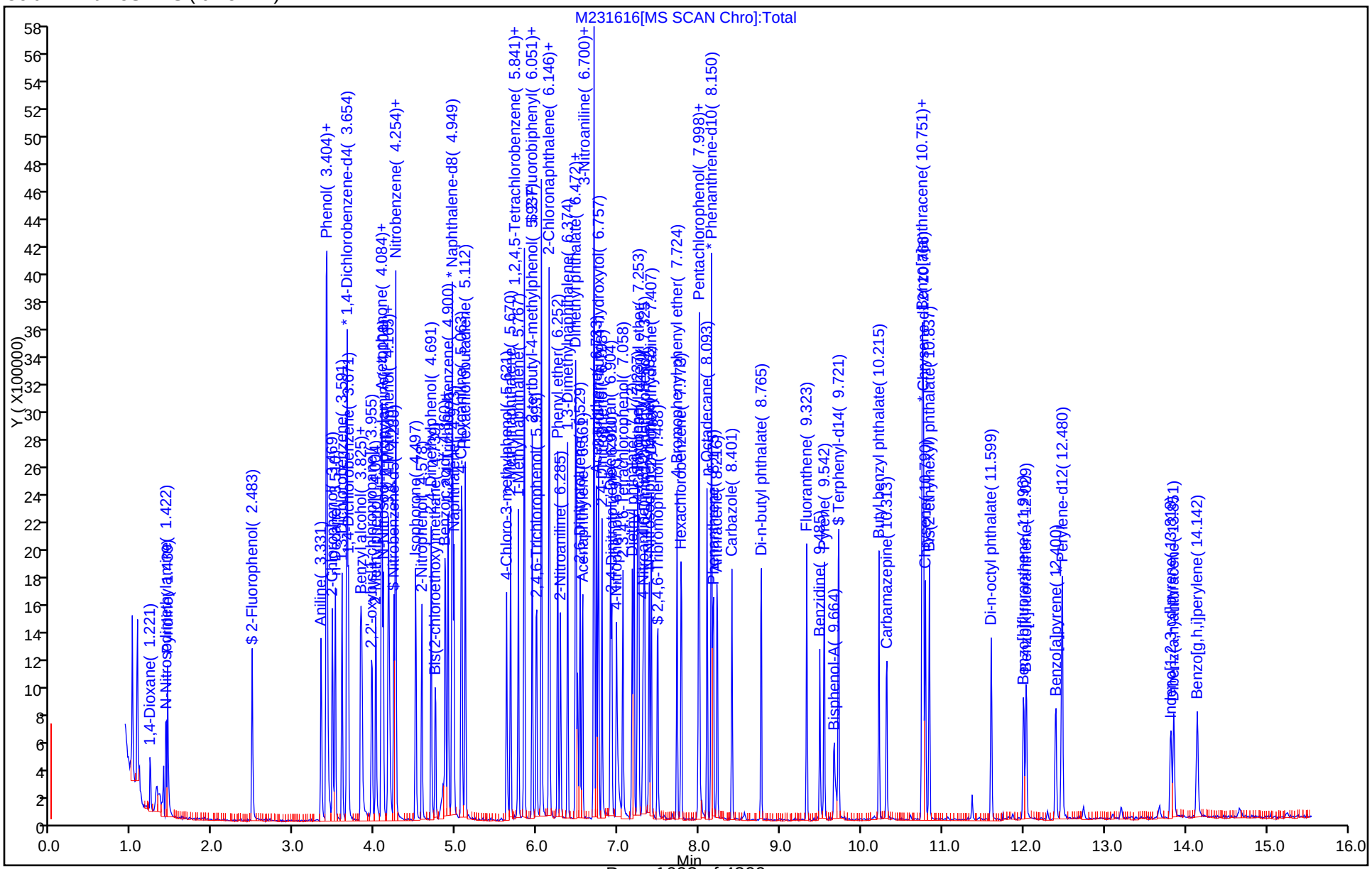
Lims ID: STD4 Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

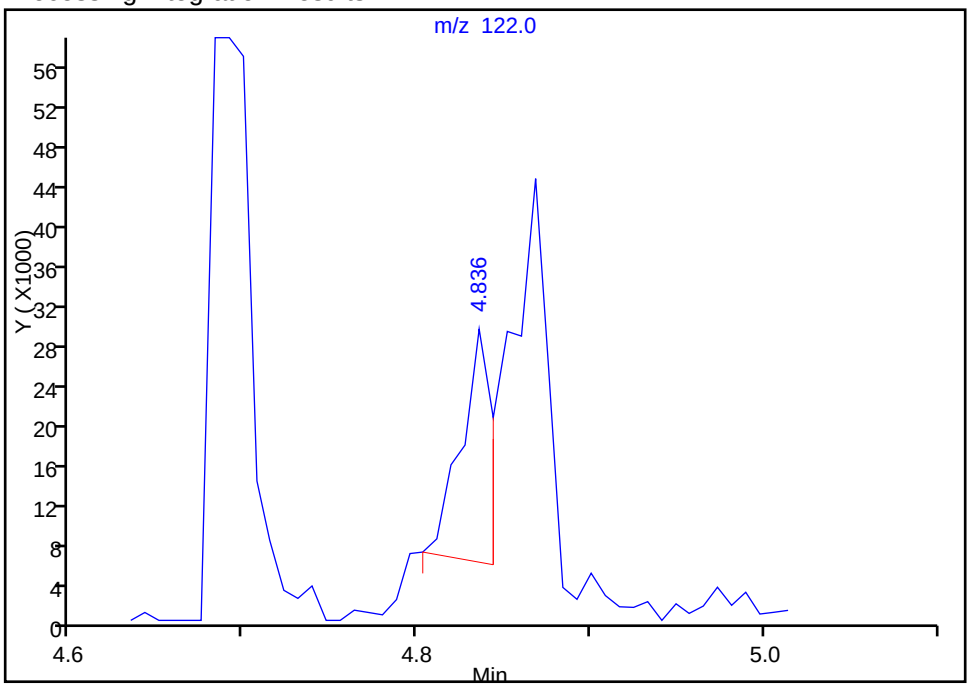
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231616.D				
Injection Date:	23-Aug-2016 11:21:30	Instrument ID:	CBNAMS6		
Lims ID:	STD4				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

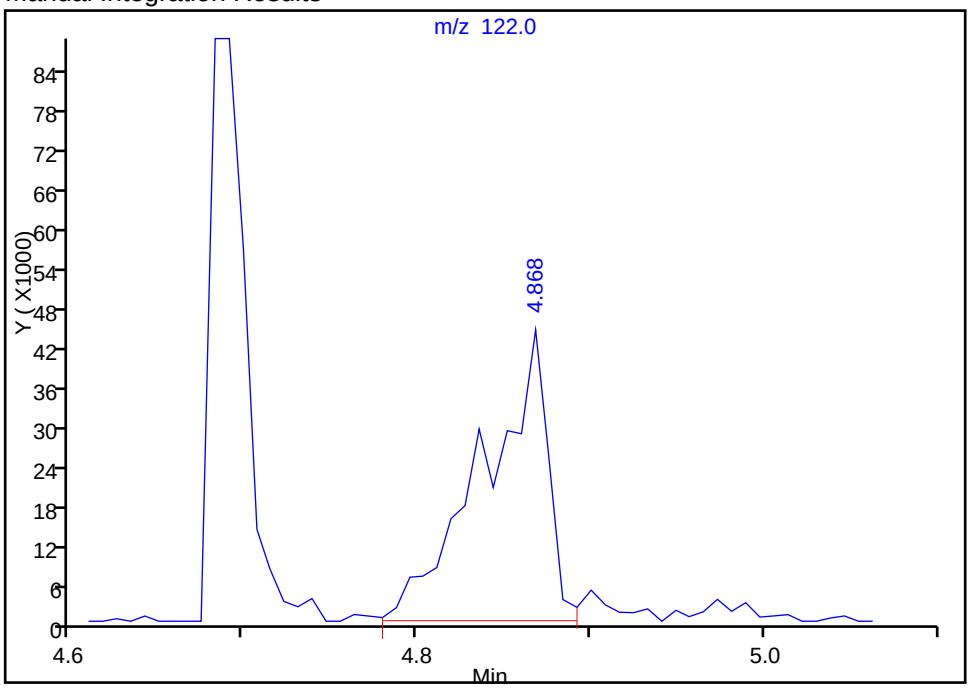
Processing Integration Results

RT: 4.84
Area: 29606
Amount: 3.975783
Amount Units: ug/ml



Manual Integration Results

RT: 4.87
Area: 114971
Amount: 3.920875
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:54:43

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

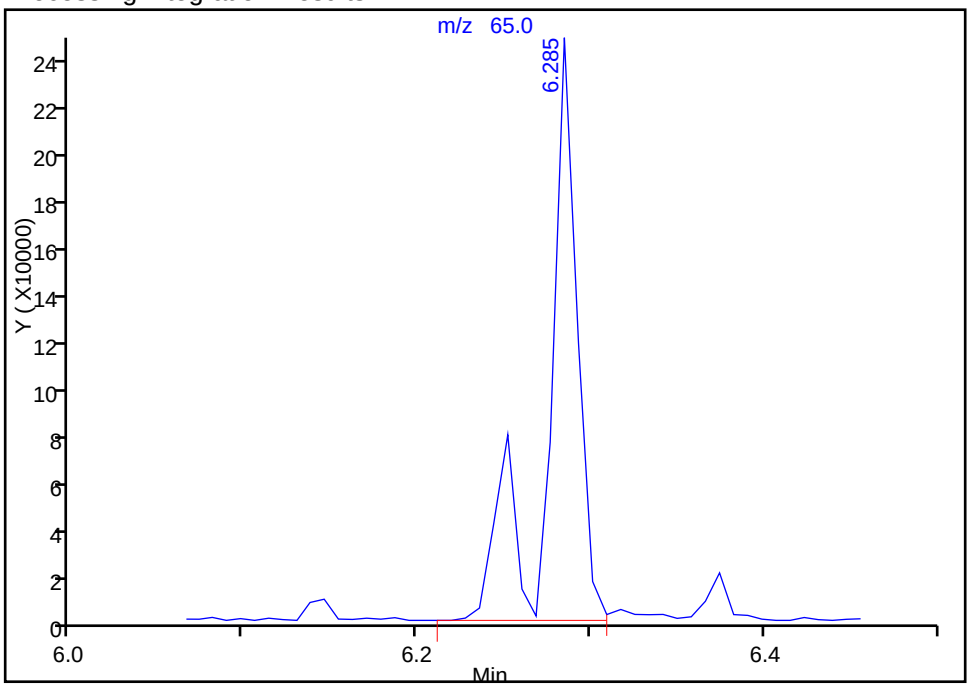
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231616.D				
Injection Date:	23-Aug-2016 11:21:30	Instrument ID:	CBNAMS6		
Lims ID:	STD4				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

57 2-Nitroaniline, CAS: 88-74-4

Signal: 1

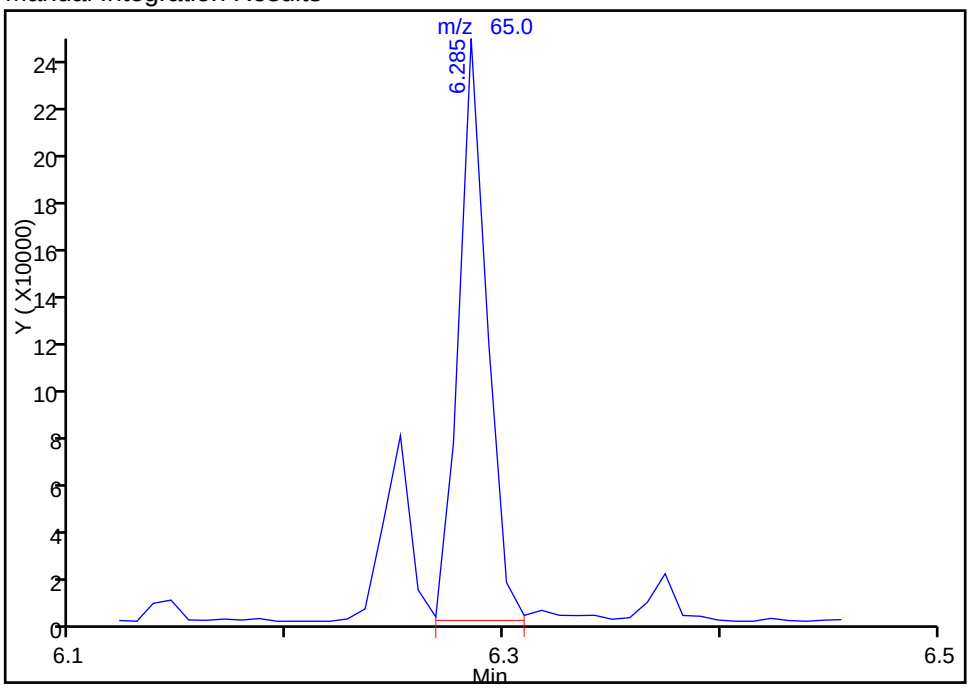
Processing Integration Results

RT: 6.28
Area: 296268
Amount: 4.071409
Amount Units: ug/ml



Manual Integration Results

RT: 6.28
Area: 226630
Amount: 4.068126
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 11:54:43

Audit Action: Manually Integrated Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231617.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 23-Aug-2016 11:40:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044755-006
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:42:04 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 12:00:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.196	1.197	-0.001	89	52352	2.00	2.05	
2 N-Nitrosodimethylamine	74	1.390	1.399	-0.009	54	87044	2.00	2.01	
3 Pyridine	79	1.415	1.415	0.000	69	95390	2.00	1.64	
$ 4 2-Fluorophenol	112	2.475	2.471	0.004	69	89501	2.00	1.92	
8 Aniline	93	3.330	3.336	-0.006	86	157159	2.00	2.05	
$ 6 Phenol-d5	99	3.395	3.401	-0.006	71	148719	2.00	1.92	
7 Phenol	94	3.403	3.409	-0.006	66	140020	2.00	1.79	
9 Bis(2-chloroethyl)ether	93	3.395	3.409	-0.014	80	113206	2.00	2.03	
10 Benzonitrile	103	3.395	3.409	-0.014	82	160183	NC	NC	
11 2-Chlorophenol	128	3.468	3.473	-0.005	67	86890	2.00	1.68	
12 n-Decane	43	3.508	3.506	0.002	79	145442	2.00	1.97	
13 1,3-Dichlorobenzene	146	3.589	3.595	-0.006	85	140224	2.00	1.94	
* 14 1,4-Dichlorobenzene-d4	152	3.646	3.652	-0.006	91	423976	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.670	3.668	0.002	91	143544	2.00	1.92	
18 1,2-Dichlorobenzene	146	3.816	3.823	-0.007	84	140597	2.00	2.00	
17 Benzyl alcohol	108	3.833	3.847	-0.014	75	48249	2.00	2.01	
20 2,2'-oxybis[1-chloropropan	45	3.954	3.961	-0.007	76	190106	2.00	2.13	
19 2-Methylphenol	108	4.002	4.010	-0.008	54	83715	2.00	1.89	
23 N-Methylaniline	106	4.075	4.082	-0.007	53	131056	NC	NC	
24 Acetophenone	105	4.075	4.098	-0.023	78	214067	2.00	2.11	
25 N-Nitrosodi-n-propylamine	70	4.092	4.115	-0.023	83	137850	2.00	2.14	
27 Hexachloroethane	117	4.157	4.164	-0.007	86	80945	2.00	2.29	
26 3 & 4 Methylphenol	108	4.173	4.178	-0.005	64	93635	2.00	1.96	
21 4-Methylphenol	108	4.173	4.178	-0.005	70	93635	2.00	1.97	
$ 28 Nitrobenzene-d5	82	4.230	4.243	-0.013	96	245012	2.00	2.12	
29 Nitrobenzene	77	4.246	4.267	-0.021	80	283490	2.00	1.94	
30 n,n'-Dimethylaniline	120	4.246	4.267	-0.021	51	119504	2.00	1.67	
31 Isophorone	82	4.496	4.519	-0.023	92	341459	2.00	2.01	
32 2-Nitrophenol	139	4.577	4.584	-0.007	60	77106	2.00	2.01	
33 2,4-Dimethylphenol	122	4.691	4.697	-0.006	71	84422	2.00	1.73	
34 Bis(2-chloroethoxy)methane	93	4.740	4.752	-0.012	80	124679	2.00	1.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.862	4.866	-0.004	85	131961	2.00	1.90	
35 Benzoic acid	122	4.837	4.907	-0.070	86	49211	2.00	1.67	
37 1,2,4-Trichlorobenzene	180	4.894	4.907	-0.013	90	148744	2.00	1.90	
* 38 Naphthalene-d8	136	4.952	4.956	-0.004	97	1423497	8.00	8.00	
39 Naphthalene	128	4.968	4.981	-0.013	95	296230	2.00	1.91	
40 4-Chloroaniline	127	5.057	5.071	-0.014	86	129813	2.00	1.77	
41 Hexachlorobutadiene	225	5.115	5.120	-0.006	93	133221	2.00	2.07	
44 4-Chloro-3-methylphenol	107	5.621	5.622	-0.001	85	116402	2.00	1.90	
45 2-Methylnaphthalene	142	5.670	5.679	-0.009	75	206633	2.00	1.81	
46 1-Methylnaphthalene	142	5.768	5.769	-0.001	88	205271	2.00	2.00	
47 Hexachlorocyclopentadiene	237	5.833	5.843	-0.010	92	130205	2.00	1.80	
48 1,2,4,5-Tetrachlorobenzene	216	5.841	5.850	-0.009	95	197568	2.00	1.96	
49 2-tertbutyl-4-methylphenol	149	5.939	5.940	-0.001	84	145631	2.00	1.50	
50 2,4,6-Trichlorophenol	196	5.988	5.997	-0.009	86	108436	2.00	2.08	
51 2,4,5-Trichlorophenol	196	6.053	6.052	0.001	90	112601	2.00	1.99	
$ 52 2-Fluorobiphenyl	172	6.053	6.061	-0.008	86	347185	2.00	2.08	
53 1,1'-Biphenyl	154	6.143	6.151	-0.008	97	300987	2.00	1.94	
54 2-Chloronaphthalene	162	6.151	6.159	-0.008	95	270245	2.00	2.00	
55 Phenyl ether	170	6.247	6.257	-0.010	77	124737	2.00	1.44	
57 2-Nitroaniline	65	6.280	6.298	-0.018	79	119655	2.00	2.17	
58 1,3-Dimethylnaphthalene	156	6.377	6.379	-0.002	84	129254	2.00	1.34	
60 Coumarin	146	6.466	6.484	-0.018	71	69578	2.00	1.70	
59 Dimethyl phthalate	163	6.474	6.492	-0.018	97	309941	2.00	2.04	
61 2,6-Dinitrotoluene	165	6.523	6.541	-0.018	80	76174	2.00	2.12	
62 Acenaphthylene	152	6.554	6.566	-0.012	96	345146	2.00	2.08	
* 64 Acenaphthene-d10	164	6.700	6.704	-0.004	93	893117	8.00	8.00	
63 3-Nitroaniline	138	6.692	6.712	-0.020	84	74127	2.00	2.27	
66 Acenaphthene	154	6.733	6.735	-0.002	94	213139	2.00	1.88	
65 3,5-di-tert-butyl-4-hydrox	205	6.757	6.760	-0.003	96	212455	2.00	1.63	
67 2,4-Dinitrophenol	184	6.790	6.816	-0.026	77	75654	4.00	3.71	
71 Dibenzofuran	168	6.903	6.914	-0.011	92	346016	2.00	2.11	
70 2,4-Dinitrotoluene	165	6.919	6.930	-0.011	91	91418	2.00	2.11	
69 4-Nitrophenol	65	6.984	6.979	0.005	82	147323	4.00	3.86	
72 2,3,4,6-Tetrachlorophenol	232	7.055	7.061	-0.006	92	108965	2.00	2.09	
73 Diethyl phthalate	149	7.168	7.191	-0.023	94	330371	2.00	2.12	
75 Fluorene	166	7.234	7.247	-0.013	93	259397	2.00	1.98	
74 4-Chlorophenyl phenyl ethe	204	7.250	7.255	-0.005	80	154243	2.00	1.96	
76 4-Nitroaniline	138	7.299	7.335	-0.036	84	50046	2.00	1.84	
77 4,6-Dinitro-2-methylphenol	198	7.315	7.343	-0.028	68	122491	4.00	3.58	
78 N-Nitrosodiphenylamine	169	7.380	7.392	-0.012	68	167934	2.00	1.75	
79 1,2-Diphenylhydrazine	77	7.405	7.417	-0.012	89	353011	2.00	1.93	
$ 80 2,4,6-Tribromophenol	330	7.486	7.491	-0.005	95	117465	2.00	2.36	
81 4-Bromophenyl phenyl ether	248	7.722	7.736	-0.014	87	129791	2.00	1.98	
82 Hexachlorobenzene	284	7.771	7.785	-0.014	92	174446	2.00	2.06	
85 Pentachloronitrobenzene	237	7.989	7.996	-0.007	84	42421	2.00	1.48	
84 Pentachlorophenol	266	7.997	8.011	-0.014	91	158584	4.00	3.70	
86 n-Octadecane	57	8.095	8.100	-0.005	85	143935	2.00	1.64	
* 87 Phenanthrene-d10	188	8.152	8.158	-0.006	97	1494011	8.00	8.00	
88 Phenanthrene	178	8.168	8.182	-0.014	96	342207	2.00	1.96	
89 Anthracene	178	8.217	8.231	-0.014	95	338908	2.00	1.87	
90 Carbazole	167	8.404	8.408	-0.004	98	280056	2.00	1.84	
91 Di-n-butyl phthalate	149	8.760	8.767	-0.007	98	455079	2.00	2.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.327	9.334	-0.007	98	392858	2.00	2.01	
93 Benzidine	184	9.489	9.495	-0.006	97	233143	2.00	2.10	
94 Pyrene	202	9.538	9.551	-0.013	97	388240	2.00	2.08	
95 Bisphenol-A	213	9.659	9.665	-0.006	0	141182	2.00	1.77	
$ 96 Terphenyl-d14	244	9.715	9.722	-0.007	97	398074	2.00	2.21	
97 Butyl benzyl phthalate	149	10.210	10.223	-0.013	97	172312	2.00	1.97	
99 Carbamazepine	193	10.308	10.321	-0.013	88	93006	2.00	1.50	
101 Benzo[a]anthracene	228	10.753	10.757	-0.004	95	382487	2.00	2.13	
100 3,3'-Dichlorobenzidine	252	10.745	10.757	-0.012	81	179828	2.00	2.27	
* 102 Chrysene-d12	240	10.760	10.772	-0.012	97	1369540	8.00	8.00	
104 Chrysene	228	10.784	10.796	-0.012	99	348382	2.00	2.13	
103 Bis(2-ethylhexyl) phthalat	149	10.840	10.844	-0.004	86	231617	2.00	2.05	
105 Di-n-octyl phthalate	149	11.601	11.606	-0.005	96	341385	2.00	2.08	
106 Benzo[b]fluoranthene	252	11.996	12.014	-0.018	95	305213	2.00	1.90	
107 Benzo[k]fluoranthene	252	12.029	12.046	-0.017	94	325262	2.00	2.05	
108 Benzo[a]pyrene	252	12.392	12.411	-0.019	96	294060	2.00	1.99	
* 109 Perylene-d12	264	12.473	12.485	-0.012	96	1151655	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.817	13.838	-0.021	91	275151	2.00	2.28	
111 Dibenz(a,h)anthracene	278	13.849	13.870	-0.021	94	267404	2.00	1.97	
112 Benzo[g,h,i]perylene	276	14.141	14.162	-0.021	93	295256	2.00	1.93	
S 119 Total Cresols	1				0			3.85	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL4_00032 Amount Added: 1.00 Units: mL

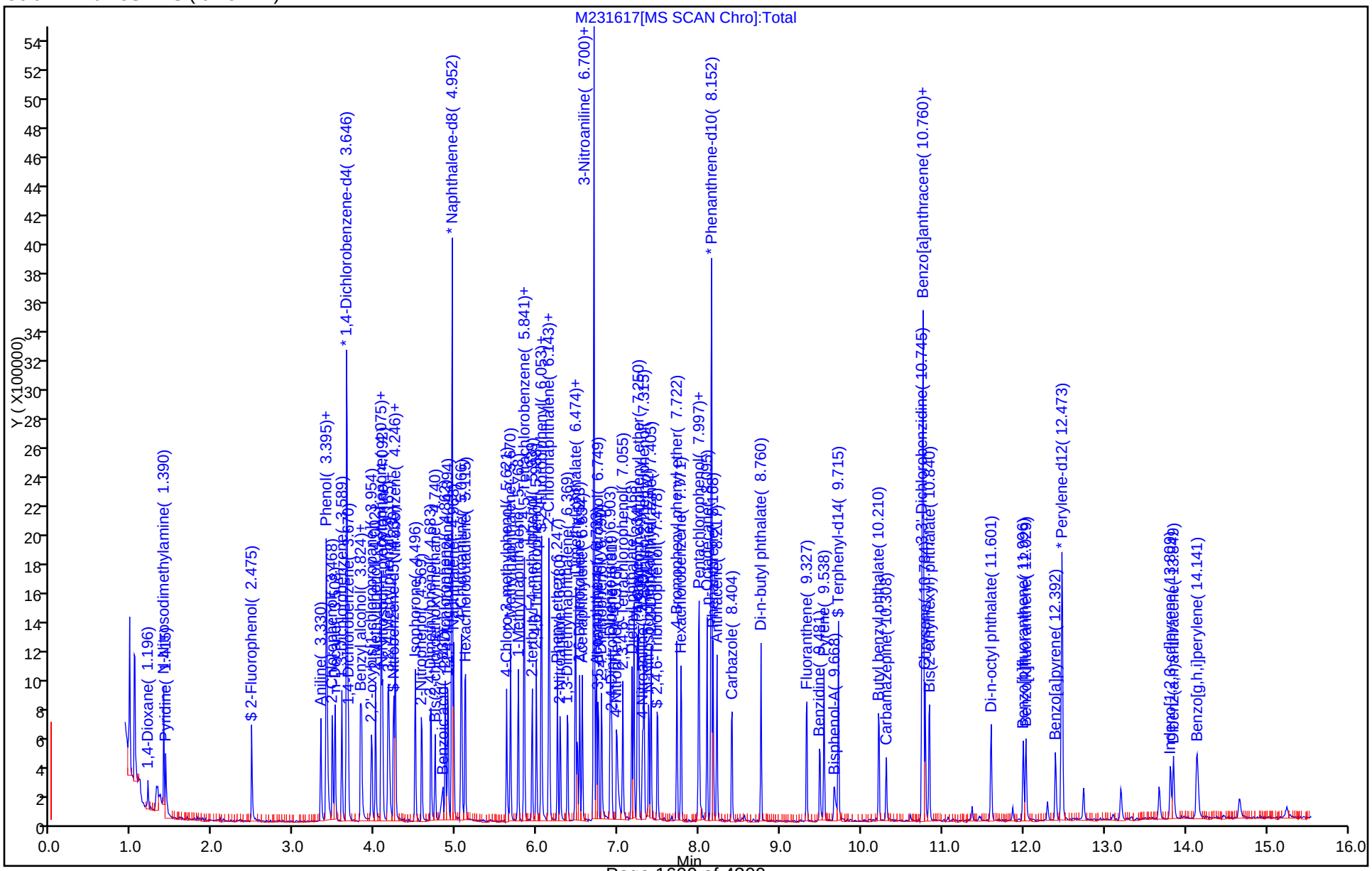
Report Date: 23-Aug-2016 17:42:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231617.D

Injection Date:	23-Aug-2016 11:40:30	Instrument ID:	CBNAMS6	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 23-Aug-2016 17:42:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231618.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Aug-2016 12:00:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044755-007
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:42:08 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 13:08:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.199	1.197	0.002	73	25856	1.00	0.9727	
2 N-Nitrosodimethylamine	74	1.401	1.399	0.002	47	38584	1.00	0.8549	
3 Pyridine	79	1.425	1.415	0.010	80	52146	1.00	0.8614	
$ 4 2-Fluorophenol	112	2.480	2.471	0.009	68	37034	1.00	0.7631	
8 Aniline	93	3.328	3.336	-0.008	88	76382	1.00	0.9556	
$ 6 Phenol-d5	99	3.402	3.401	0.001	75	73619	1.00	0.9311	
7 Phenol	94	3.409	3.409	0.000	65	63473	1.00	0.7777	M
9 Bis(2-chloroethyl)ether	93	3.393	3.409	-0.016	79	58789	1.00	1.07	
10 Benzonitrile	103	3.402	3.409	-0.007	84	105546	NC	NC	
11 2-Chlorophenol	128	3.474	3.473	0.001	72	44357	1.00	0.8213	
12 n-Decane	43	3.506	3.506	0.000	79	60761	1.00	0.7873	
13 1,3-Dichlorobenzene	146	3.587	3.595	-0.008	82	65905	1.00	0.8744	
* 14 1,4-Dichlorobenzene-d4	152	3.651	3.652	-0.001	92	442145	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.667	3.668	-0.001	88	61630	1.00	0.7897	
18 1,2-Dichlorobenzene	146	3.821	3.823	-0.002	87	64507	1.00	0.8805	
17 Benzyl alcohol	108	3.829	3.847	-0.018	67	18275	1.00	1.01	
20 2,2'-oxybis[1-chloropropan	45	3.959	3.961	-0.002	72	95882	1.00	1.03	
19 2-Methylphenol	108	4.008	4.010	-0.002	63	41674	1.00	0.9031	
23 N-Methylaniline	106	4.073	4.082	-0.009	58	80708	NC	NC	
24 Acetophenone	105	4.073	4.098	-0.025	73	101896	1.00	0.9643	
25 N-Nitrosodi-n-propylamine	70	4.089	4.115	-0.026	93	58076	1.00	0.8660	
27 Hexachloroethane	117	4.161	4.164	-0.003	74	33778	1.00	0.9166	
26 3 & 4 Methylphenol	108	4.177	4.178	-0.001	65	39400	1.00	0.7899	
21 4-Methylphenol	108	4.177	4.178	-0.001	63	39400	1.00	0.7938	
$ 28 Nitrobenzene-d5	82	4.226	4.243	-0.017	94	118094	1.00	1.02	
29 Nitrobenzene	77	4.250	4.267	-0.017	79	151616	1.00	1.03	
30 n,n'-Dimethylaniline	120	4.250	4.267	-0.017	65	87050	1.00	1.20	
31 Isophorone	82	4.494	4.519	-0.025	93	177323	1.00	1.04	
32 2-Nitrophenol	139	4.575	4.584	-0.009	48	29742	1.00	0.7747	
33 2,4-Dimethylphenol	122	4.689	4.697	-0.008	71	40734	1.00	0.8312	
34 Bis(2-chloroethoxy)methane	93	4.737	4.752	-0.015	88	71612	1.00	1.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.867	4.866	0.001	87	65353	1.00	0.9370	
35 Benzoic acid	122	4.819	4.907	-0.088	86	25255	1.00	0.8569	
37 1,2,4-Trichlorobenzene	180	4.899	4.907	-0.008	89	71358	1.00	0.9103	
* 38 Naphthalene-d8	136	4.948	4.956	-0.008	97	1427612	8.00	8.00	
39 Naphthalene	128	4.965	4.981	-0.016	73	143563	1.00	0.9236	
40 4-Chloroaniline	127	5.062	5.071	-0.009	83	59219	1.00	0.8069	
41 Hexachlorobutadiene	225	5.111	5.120	-0.009	92	67237	1.00	1.04	
44 4-Chloro-3-methylphenol	107	5.621	5.622	-0.001	87	59557	1.00	0.9679	
45 2-Methylnaphthalene	142	5.670	5.679	-0.009	76	104716	1.00	0.9143	
46 1-Methylnaphthalene	142	5.766	5.769	-0.003	79	91977	1.00	0.8926	
47 Hexachlorocyclopentadiene	237	5.837	5.843	-0.006	94	66912	1.00	0.8715	
48 1,2,4,5-Tetrachlorobenzene	216	5.837	5.850	-0.013	94	95201	1.00	0.8914	
49 2-tertbutyl-4-methylphenol	149	5.935	5.940	-0.005	83	105586	1.00	1.08	
50 2,4,6-Trichlorophenol	196	5.992	5.997	-0.005	89	51958	1.00	0.9810	
51 2,4,5-Trichlorophenol	196	6.057	6.052	0.005	93	47185	1.00	0.7875	
$ 52 2-Fluorobiphenyl	172	6.049	6.061	-0.012	89	165376	1.00	0.9345	
53 1,1'-Biphenyl	154	6.138	6.151	-0.013	95	144235	1.00	0.8752	
54 2-Chloronaphthalene	162	6.147	6.159	-0.012	94	126539	1.00	0.8814	
55 Phenyl ether	170	6.251	6.257	-0.006	83	81754	1.00	0.8927	
57 2-Nitroaniline	65	6.284	6.298	-0.014	78	56000	1.00	0.9571	
58 1,3-Dimethylnaphthalene	156	6.373	6.379	-0.006	88	96610	1.00	0.9470	
60 Coumarin	146	6.469	6.484	-0.015	73	40727	1.00	0.99	
59 Dimethyl phthalate	163	6.469	6.492	-0.023	93	166286	1.00	1.03	
61 2,6-Dinitrotoluene	165	6.526	6.541	-0.015	80	38181	1.00	1.00	
62 Acenaphthylene	152	6.558	6.566	-0.008	96	167557	1.00	0.9539	
* 64 Acenaphthene-d10	164	6.696	6.704	-0.008	91	947505	8.00	8.00	
63 3-Nitroaniline	138	6.696	6.712	-0.016	37	28711	1.00	0.8277	
66 Acenaphthene	154	6.729	6.735	-0.006	92	107707	1.00	0.8967	
65 3,5-di-tert-butyl-4-hydrox	205	6.752	6.760	-0.008	96	140781	1.00	1.02	
67 2,4-Dinitrophenol	184	6.793	6.816	-0.023	89	33890	2.00	2.10	
71 Dibenzofuran	168	6.897	6.914	-0.017	90	170386	1.00	0.9779	
70 2,4-Dinitrotoluene	165	6.914	6.930	-0.016	79	42088	1.00	0.9171	
69 4-Nitrophenol	65	6.987	6.979	0.008	84	75065	2.00	1.85	
72 2,3,4,6-Tetrachlorophenol	232	7.052	7.061	-0.009	91	52989	1.00	0.9571	
73 Diethyl phthalate	149	7.165	7.191	-0.026	96	165188	1.00	1.00	
75 Fluorene	166	7.238	7.247	-0.009	96	121520	1.00	0.8745	
74 4-Chlorophenyl phenyl ethe	204	7.253	7.255	-0.002	80	75850	1.00	0.9088	
76 4-Nitroaniline	138	7.294	7.335	-0.041	82	25836	1.00	0.8966	
77 4,6-Dinitro-2-methylphenol	198	7.318	7.343	-0.025	85	63120	2.00	1.91	
78 N-Nitrosodiphenylamine	169	7.375	7.392	-0.017	67	88318	1.00	0.8747	
79 1,2-Diphenylhydrazine	77	7.400	7.417	-0.017	90	166029	1.00	0.8642	
$ 80 2,4,6-Tribromophenol	330	7.481	7.491	-0.010	93	60628	1.00	1.15	
81 4-Bromophenyl phenyl ether	248	7.725	7.736	-0.011	89	67603	1.00	0.9828	
82 Hexachlorobenzene	284	7.773	7.785	-0.012	90	85338	1.00	0.9615	
85 Pentachloronitrobenzene	237	7.992	7.996	-0.004	84	28921	1.00	1.05	
84 Pentachlorophenol	266	8.000	8.011	-0.011	90	63552	2.00	1.41	
86 n-Octadecane	57	8.098	8.100	-0.002	86	84835	1.00	0.9210	
* 87 Phenanthrene-d10	188	8.146	8.158	-0.012	97	1568307	8.00	8.00	
88 Phenanthrene	178	8.171	8.182	-0.011	96	174039	1.00	0.9516	
89 Anthracene	178	8.220	8.231	-0.011	97	165771	1.00	0.8718	
90 Carbazole	167	8.399	8.408	-0.009	97	141073	1.00	0.8845	
91 Di-n-butyl phthalate	149	8.760	8.767	-0.007	97	238374	1.00	1.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.320	9.334	-0.014	97	187859	1.00	0.9143	
93 Benzidine	184	9.488	9.495	-0.007	89	93683	1.00	0.8028	
94 Pyrene	202	9.536	9.551	-0.015	97	191467	1.00	0.9738	
95 Bisphenol-A	213	9.681	9.665	0.016	0	76561	1.00	0.9110	
$ 96 Terphenyl-d14	244	9.713	9.722	-0.009	97	176840	1.00	0.9311	
97 Butyl benzyl phthalate	149	10.214	10.223	-0.009	95	89572	1.00	0.9737	
99 Carbamazepine	193	10.304	10.321	-0.017	88	61171	1.00	0.9382	
101 Benzo[a]anthracene	228	10.749	10.757	-0.008	94	181394	1.00	0.9594	
100 3,3'-Dichlorobenzidine	252	10.749	10.757	-0.008	75	74470	1.00	0.8919	
* 102 Chrysene-d12	240	10.756	10.772	-0.016	97	1443553	8.00	8.00	
104 Chrysene	228	10.780	10.796	-0.016	98	171890	1.00	1.00	
103 Bis(2-ethylhexyl) phthalat	149	10.837	10.844	-0.007	85	121379	1.00	1.02	
105 Di-n-octyl phthalate	149	11.597	11.606	-0.009	96	167495	1.00	1.03	
106 Benzo[b]fluoranthene	252	11.993	12.014	-0.021	94	156054	1.00	0.9807	
107 Benzo[k]fluoranthene	252	12.025	12.046	-0.021	93	163603	1.00	1.04	
108 Benzo[a]pyrene	252	12.396	12.411	-0.015	97	145608	1.00	1.00	
* 109 Perylene-d12	264	12.477	12.485	-0.008	97	1138937	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.812	13.838	-0.026	92	133835	1.00	1.16	M
111 Dibenz(a,h)anthracene	278	13.845	13.870	-0.025	94	121391	1.00	0.9052	
112 Benzo[g,h,i]perylene	276	14.134	14.162	-0.028	92	132516	1.00	0.8738	
S 119 Total Cresols	1				0			1.69	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL3_00028 Amount Added: 1.00 Units: mL

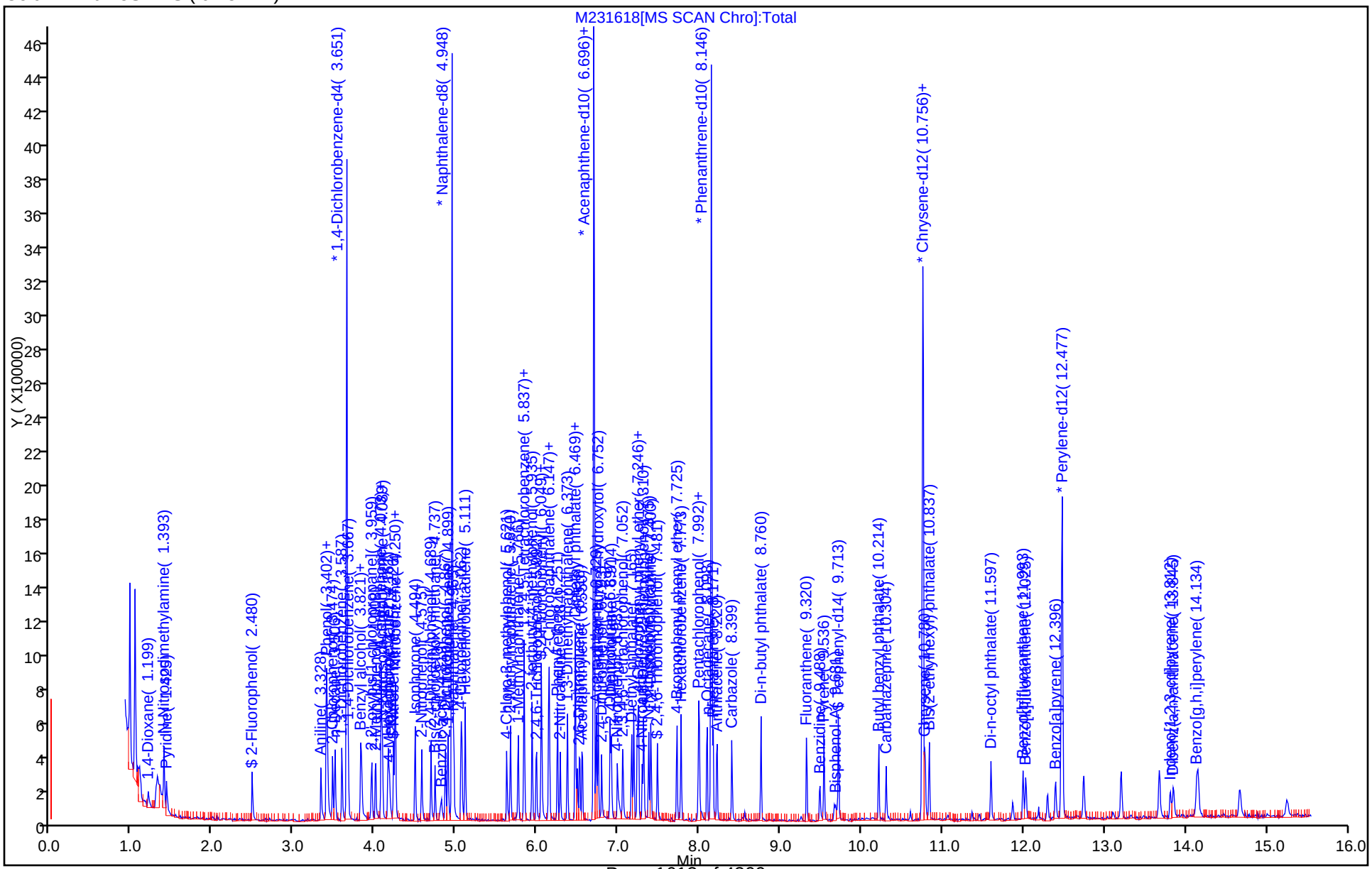
Report Date: 23-Aug-2016 17:42:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231618.D

Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS6	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

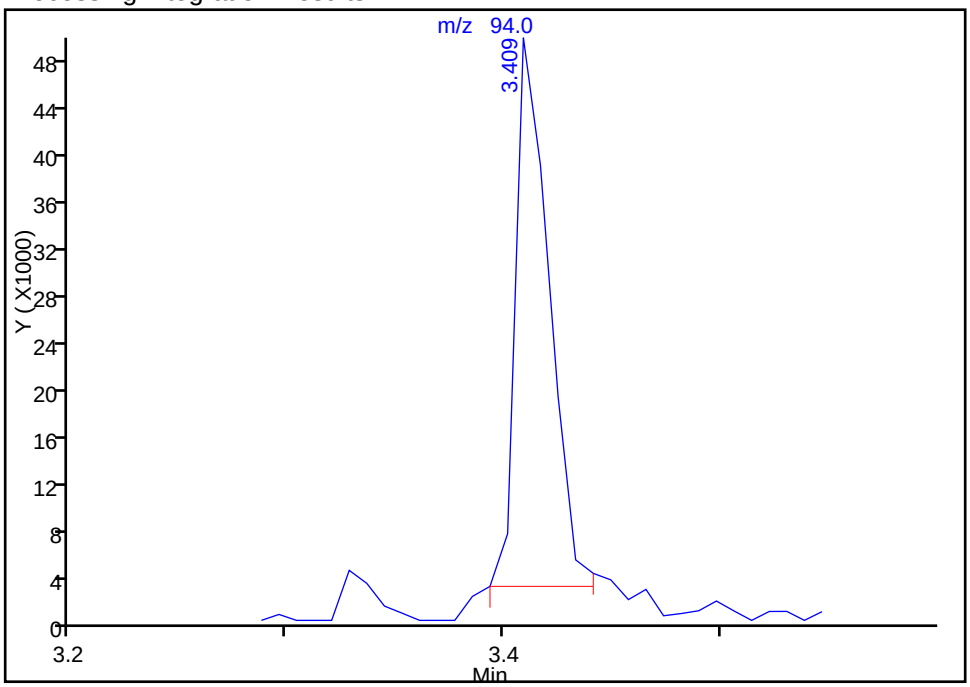
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231618.D
Injection Date: 23-Aug-2016 12:00:30 Instrument ID: CBNAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

7 Phenol, CAS: 108-95-2

Signal: 1

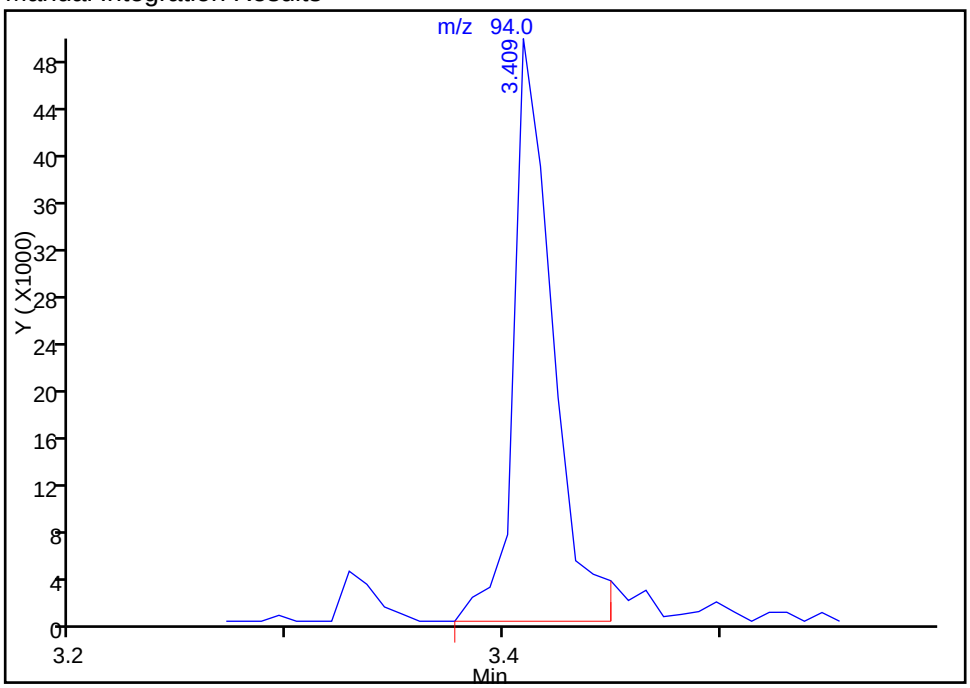
Processing Integration Results

RT: 3.41
Area: 50758
Amount: 1.035220
Amount Units: ug/ml



Manual Integration Results

RT: 3.41
Area: 63473
Amount: 0.777724
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 12:30:15
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

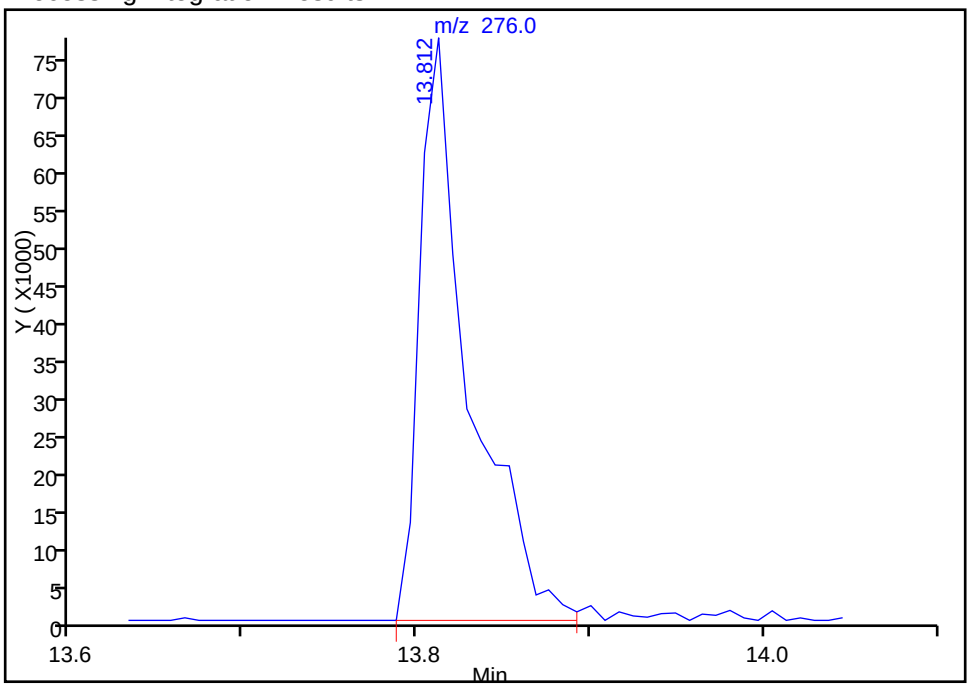
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231618.D				
Injection Date:	23-Aug-2016 12:00:30	Instrument ID:	CBNAMS6		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

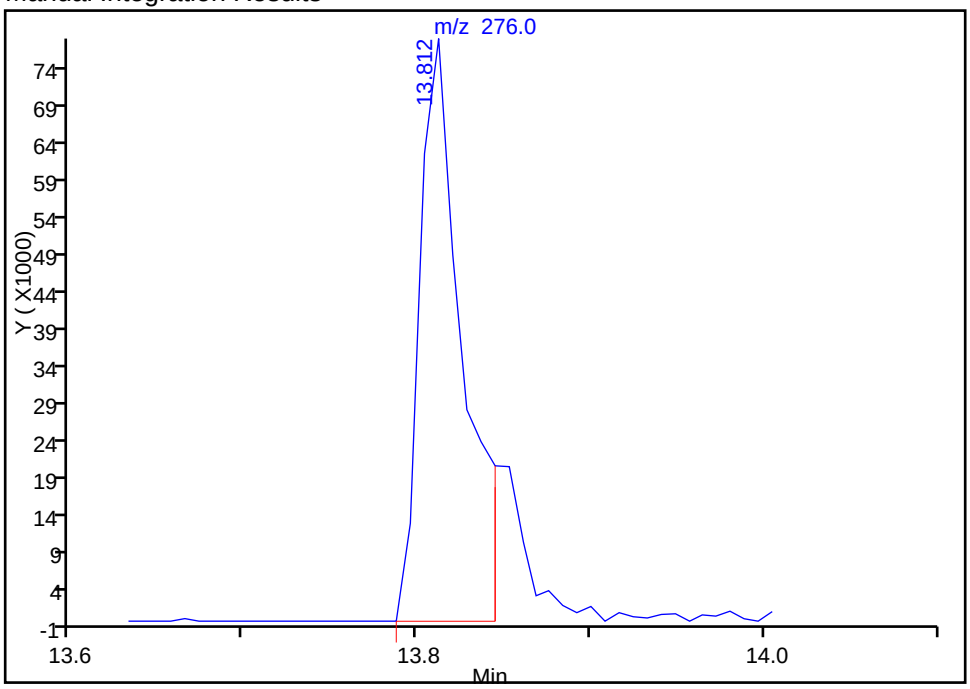
Processing Integration Results

RT: 13.81
Area: 151575
Amount: 0.998422
Amount Units: ug/ml



Manual Integration Results

RT: 13.81
Area: 133835
Amount: 1.155146
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 12:30:15

Audit Action: Manually Integrated Audit Reason: Shouldering

Report Date: 23-Aug-2016 17:42:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231619.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Aug-2016 12:20:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044755-008
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:42:13 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 12:36:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.497	2.471	0.026	67	8065	0.2000	0.1591	
$ 6 Phenol-d5	99	3.407	3.401	0.006	52	10746	0.2000	0.1322	
9 Bis(2-chloroethyl)ether	93	3.399	3.409	-0.010	50	10419	0.2000	0.1908	
* 14 1,4-Dichlorobenzene-d4	152	3.650	3.652	-0.002	91	461772	8.00	8.00	
25 N-Nitrosodi-n-propylamine	70	4.087	4.115	-0.028	79	12949	0.2000	0.1849	
27 Hexachloroethane	117	4.160	4.164	-0.004	65	5512	0.2000	0.1432	
$ 28 Nitrobenzene-d5	82	4.232	4.243	-0.011	83	22747	0.2000	0.1916	
29 Nitrobenzene	77	4.249	4.267	-0.018	74	25377	0.2000	0.1691	
30 n,n'-Dimethylaniline	120	4.249	4.267	-0.018	58	13032	0.2000	0.1827	
31 Isophorone	82	4.491	4.519	-0.028	95	36076	0.2000	0.2066	
37 1,2,4-Trichlorobenzene	180	4.895	4.907	-0.012	84	14670	0.2000	0.1828	
* 38 Naphthalene-d8	136	4.951	4.956	-0.005	97	1461282	8.00	8.00	
41 Hexachlorobutadiene	225	5.113	5.120	-0.007	85	10766	0.2000	0.1626	
46 1-Methylnaphthalene	142	5.767	5.769	-0.002	76	15990	0.2000	0.1516	
50 2,4,6-Trichlorophenol	196	5.985	5.997	-0.012	66	7194	0.2000	0.2008	
$ 52 2-Fluorobiphenyl	172	6.050	6.061	-0.011	1	28346	0.2000	0.1559	M
61 2,6-Dinitrotoluene	165	6.520	6.541	-0.021	72	7692	0.2000	0.1965	
* 64 Acenaphthene-d10	164	6.697	6.704	-0.007	90	973631	8.00	8.00	
70 2,4-Dinitrotoluene	165	6.914	6.930	-0.016	53	6838	0.2000	0.1450	
77 4,6-Dinitro-2-methylphenol	198	7.312	7.343	-0.031	46	4905	0.4000	0.4084	
$ 80 2,4,6-Tribromophenol	330	7.488	7.491	-0.003	84	7907	0.2000	0.1459	
82 Hexachlorobenzene	284	7.772	7.785	-0.013	87	19643	0.2000	0.1929	
* 87 Phenanthrene-d10	188	8.151	8.158	-0.007	97	1799276	8.00	8.00	
$ 96 Terphenyl-d14	244	9.716	9.722	-0.006	94	41553	0.2000	0.2080	
101 Benzo[a]anthracene	228	10.750	10.757	-0.007	36	34168	0.2000	0.1718	
100 3,3'-Dichlorobenzidine	252	10.750	10.757	-0.007	53	12544	0.2000	0.1429	
* 102 Chrysene-d12	240	10.758	10.772	-0.014	97	1518055	8.00	8.00	
104 Chrysene	228	10.782	10.796	-0.014	97	36064	0.2000	0.1988	
103 Bis(2-ethylhexyl) phthalat	149	10.839	10.844	-0.005	86	24034	0.2000	0.1915	
106 Benzo[b]fluoranthene	252	11.995	12.014	-0.019	93	35415	0.2000	0.1996	
107 Benzo[k]fluoranthene	252	12.028	12.046	-0.018	93	33829	0.2000	0.1930	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	12.392	12.411	-0.019	76	30272	0.2000	0.1860	
* 109 Perylene-d12	264	12.473	12.485	-0.012	97	1269973	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.810	13.838	-0.028	27	20012	0.2000	0.1590	
111 Dibenz(a,h)anthracene	278	13.851	13.870	-0.019	55	26262	0.2000	0.1756	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL2_00024 Amount Added: 1.00 Units: mL

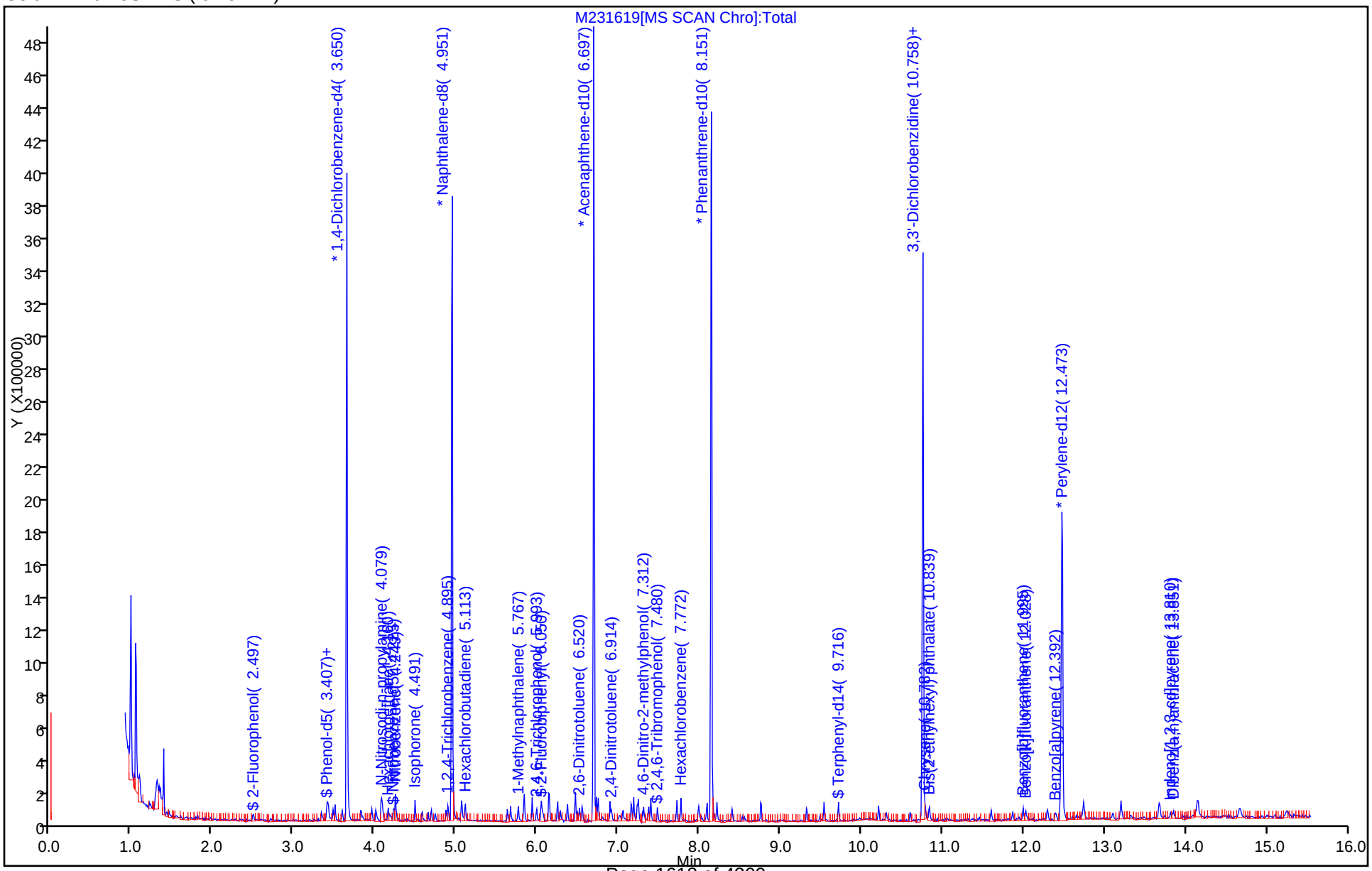
Report Date: 23-Aug-2016 17:42:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231619.D

Injection Date:	23-Aug-2016 12:20:30	Instrument ID:	CBNAMS6	Operator ID:	
Lims ID:	STD02			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

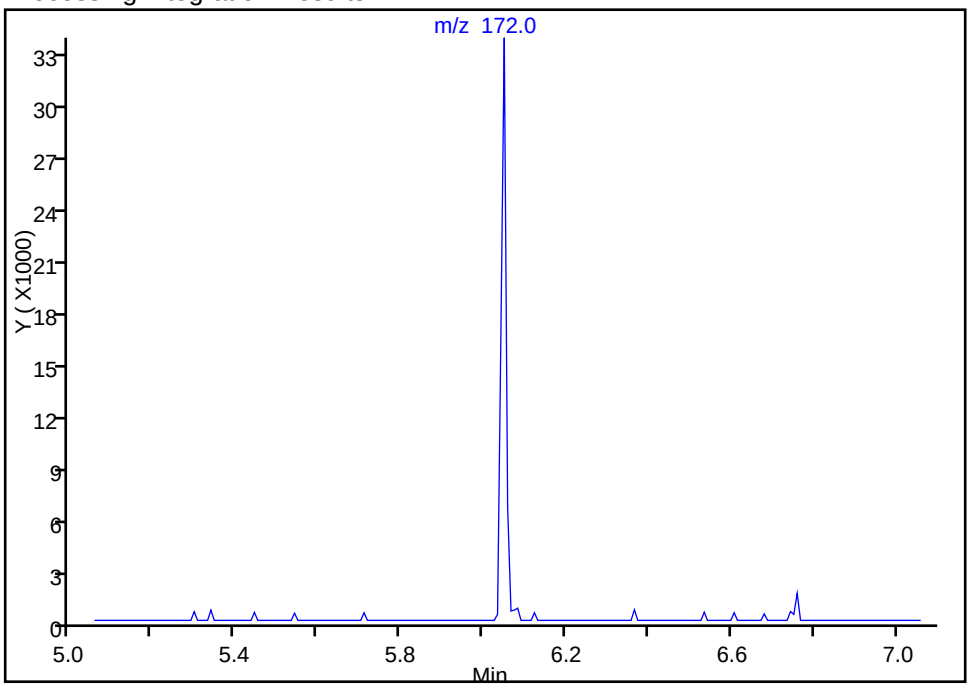
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231619.D				
Injection Date:	23-Aug-2016 12:20:30	Instrument ID:	CBNAMS6		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 52 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

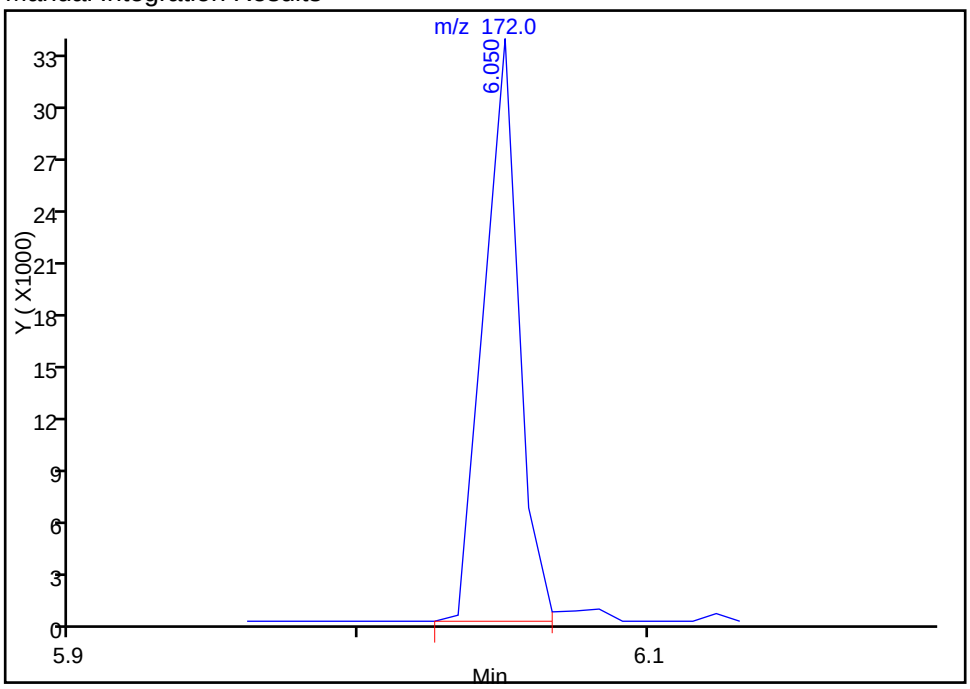
Processing Integration Results

Not Detected
Expected RT: 6.06



Manual Integration Results

RT: 6.05
Area: 28346
Amount: 0.155872
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 12:36:42
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

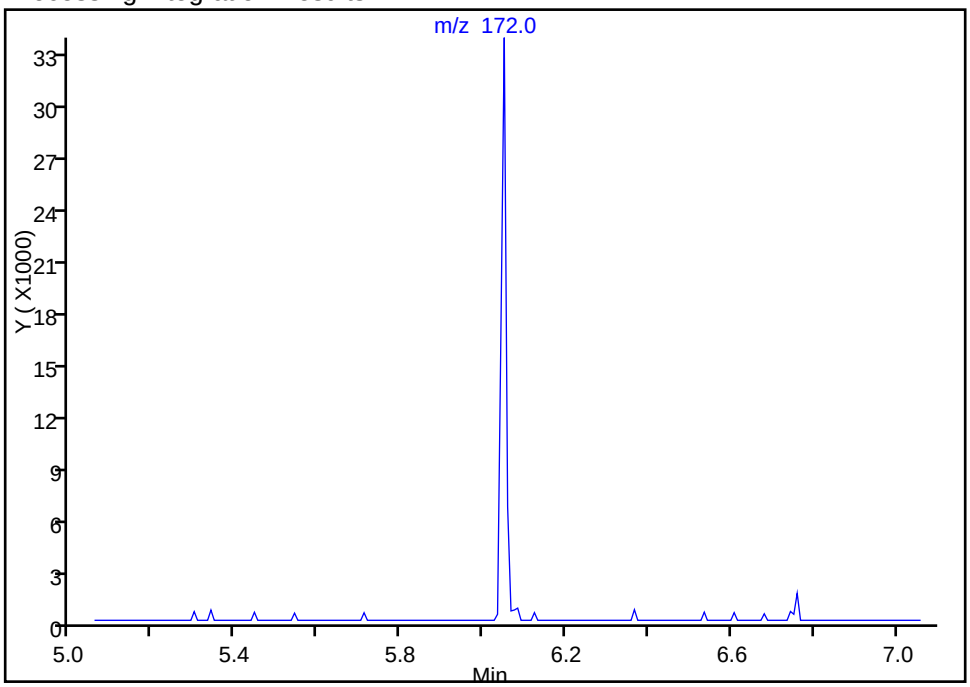
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231619.D
Injection Date: 23-Aug-2016 12:20:30 Instrument ID: CBNAMS6
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

$ 52 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

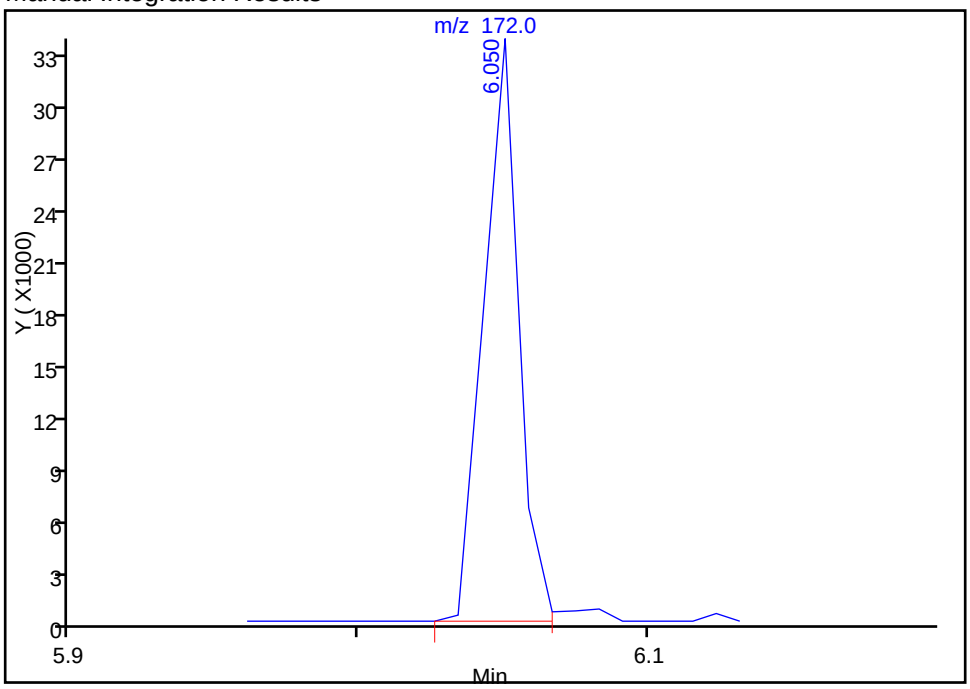
Processing Integration Results

Not Detected
Expected RT: 6.06



Manual Integration Results

RT: 6.05
Area: 28346
Amount: 0.155872
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 12:36:42
Audit Action: Manually Integrated Audit Reason: Missed Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Aug-2016 12:39:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044755-009
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:42:18 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: croccom Date: 23-Aug-2016 12:55:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	3.400	3.409	-0.009	46	4501	0.1000	0.0840	
* 14 1,4-Dichlorobenzene-d4	152	3.652	3.652	0.000	92	455713	8.00	8.00	
25 N-Nitrosodi-n-propylamine	70	4.085	4.115	-0.030	64	7779	0.1000	0.1125	
27 Hexachloroethane	117	4.157	4.164	-0.007	63	3109	0.1000	0.0819	
$ 28 Nitrobenzene-d5	82	4.238	4.243	-0.005	46	9668	0.1000	0.0821	
29 Nitrobenzene	77	4.254	4.267	-0.013	75	13072	0.1000	0.0878	
30 n,n'-Dimethylaniline	120	4.254	4.267	-0.013	28	6967	0.1000	0.0995	
37 1,2,4-Trichlorobenzene	180	4.897	4.907	-0.010	44	6572	0.1000	0.0826	
* 38 Naphthalene-d8	136	4.946	4.956	-0.010	96	1449661	8.00	8.00	
41 Hexachlorobutadiene	225	5.116	5.120	-0.004	89	6532	0.1000	0.0995	
$ 52 2-Fluorobiphenyl	172	6.052	6.061	-0.009	1	16686	0.1000	0.0864	M
* 64 Acenaphthene-d10	164	6.701	6.704	-0.003	91	1034111	8.00	8.00	
82 Hexachlorobenzene	284	7.776	7.785	-0.009	84	10450	0.1000	0.1113	
* 87 Phenanthrene-d10	188	8.147	8.158	-0.011	97	1658532	8.00	8.00	
$ 96 Terphenyl-d14	244	9.713	9.722	-0.009	95	21016	0.1000	0.1066	
101 Benzo[a]anthracene	228	10.746	10.757	-0.011	49	19377	0.1000	0.0988	
* 102 Chrysene-d12	240	10.762	10.772	-0.010	97	1497733	8.00	8.00	
106 Benzo[b]fluoranthene	252	11.992	12.014	-0.022	24	17476	0.1000	0.1014	
107 Benzo[k]fluoranthene	252	12.024	12.046	-0.022	23	18970	0.1000	0.1114	
108 Benzo[a]pyrene	252	12.388	12.411	-0.023	40	18407	0.1000	0.1164	M
* 109 Perylene-d12	264	12.477	12.485	-0.008	96	1233818	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.816	13.838	-0.022	15	12436	0.1000	0.1018	
111 Dibenz(a,h)anthracene	278	13.847	13.870	-0.023	0	11870	0.1000	0.0817	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL1_00022 Amount Added: 1.00 Units: mL

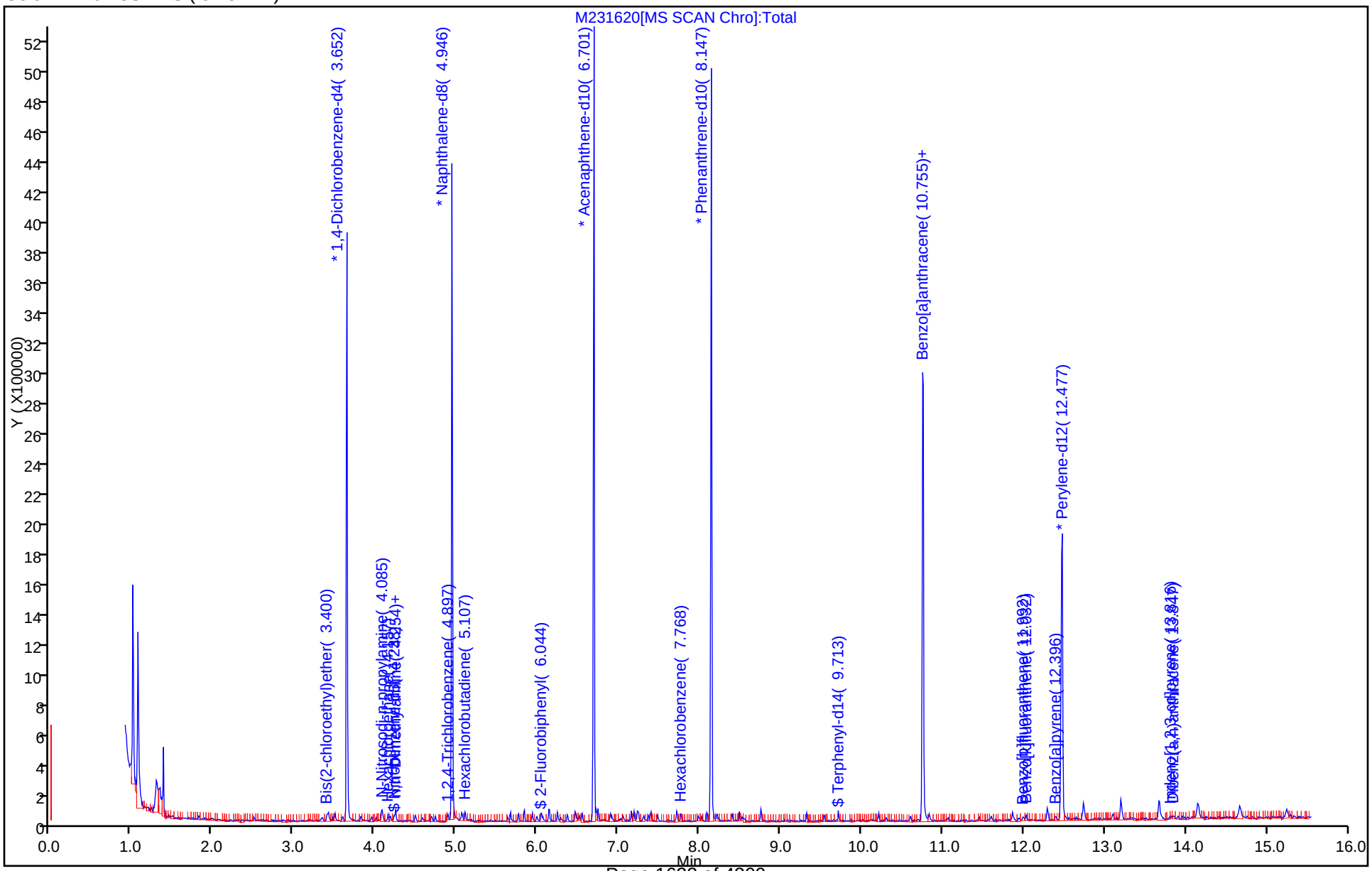
Report Date: 23-Aug-2016 17:42:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Injection Date:	23-Aug-2016 12:39:30	Instrument ID:	CBNAMS6	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

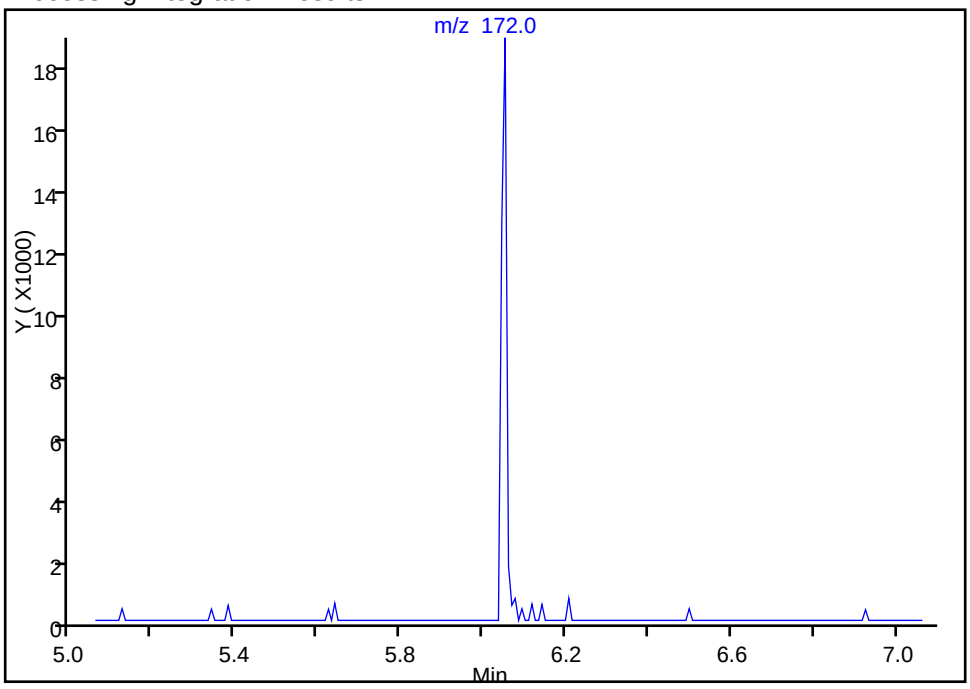
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D
Injection Date: 23-Aug-2016 12:39:30 Instrument ID: CBNAMS6
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

$ 52 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

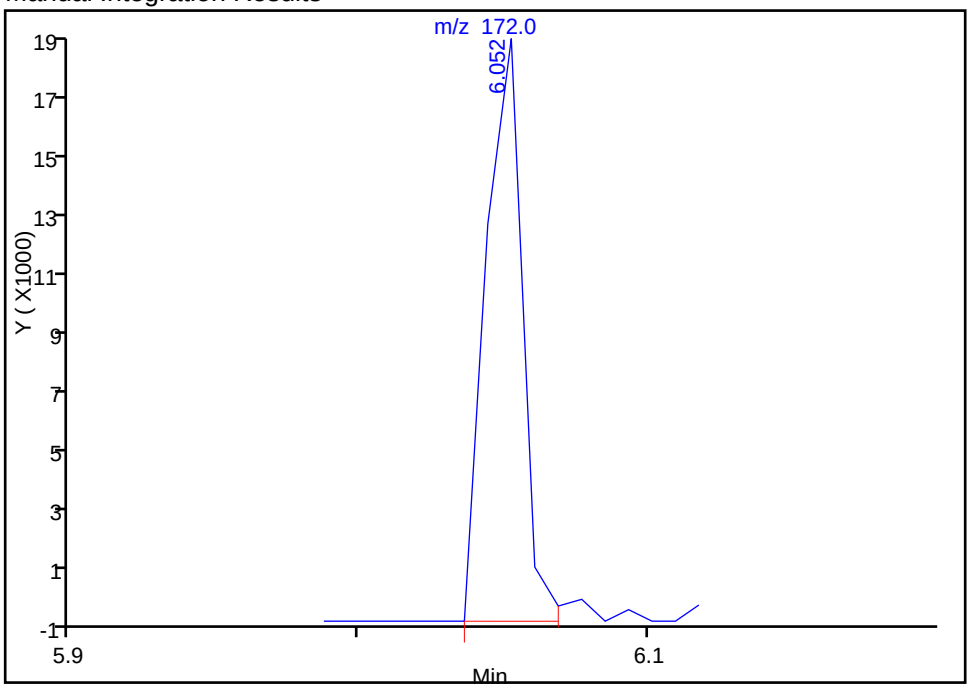
Not Detected
Expected RT: 6.06

Processing Integration Results



Manual Integration Results

RT: 6.05
Area: 16686
Amount: 0.086388
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 12:55:38
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

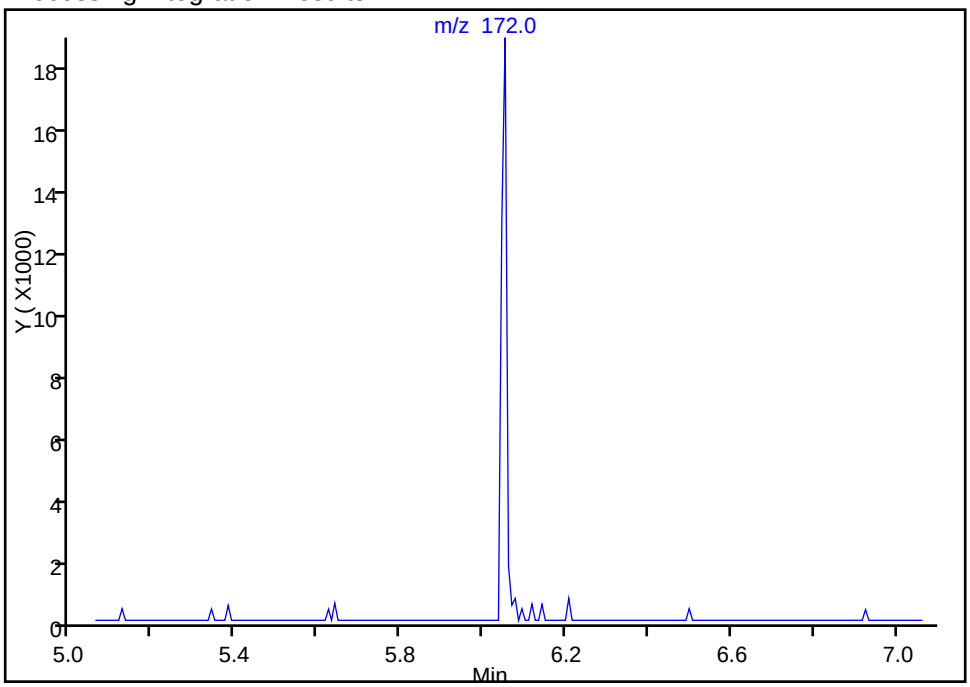
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D
Injection Date: 23-Aug-2016 12:39:30 Instrument ID: CBNAMS6
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

$ 52 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

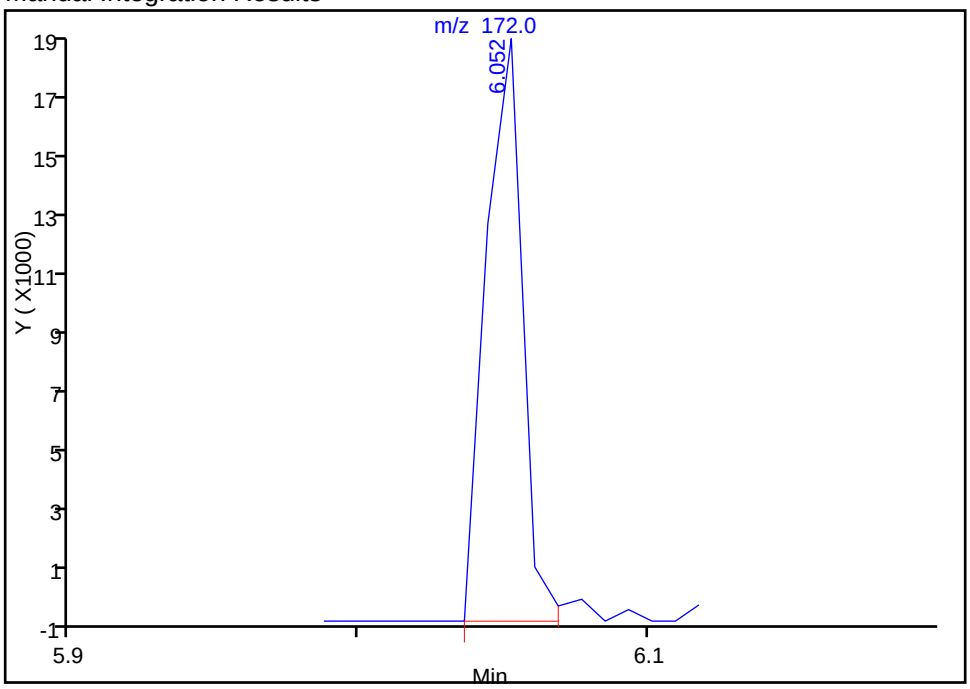
Processing Integration Results

Not Detected
Expected RT: 6.06



Manual Integration Results

RT: 6.05
Area: 16686
Amount: 0.086388
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 12:55:38
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

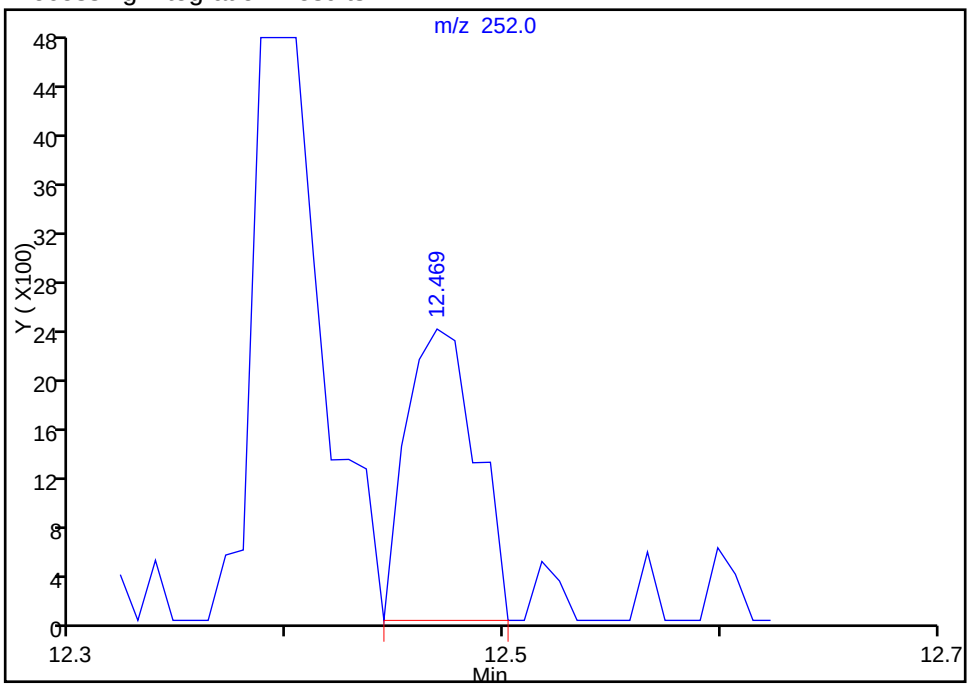
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D				
Injection Date:	23-Aug-2016 12:39:30	Instrument ID:	CBNAMS6		
Lims ID:	STD01				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

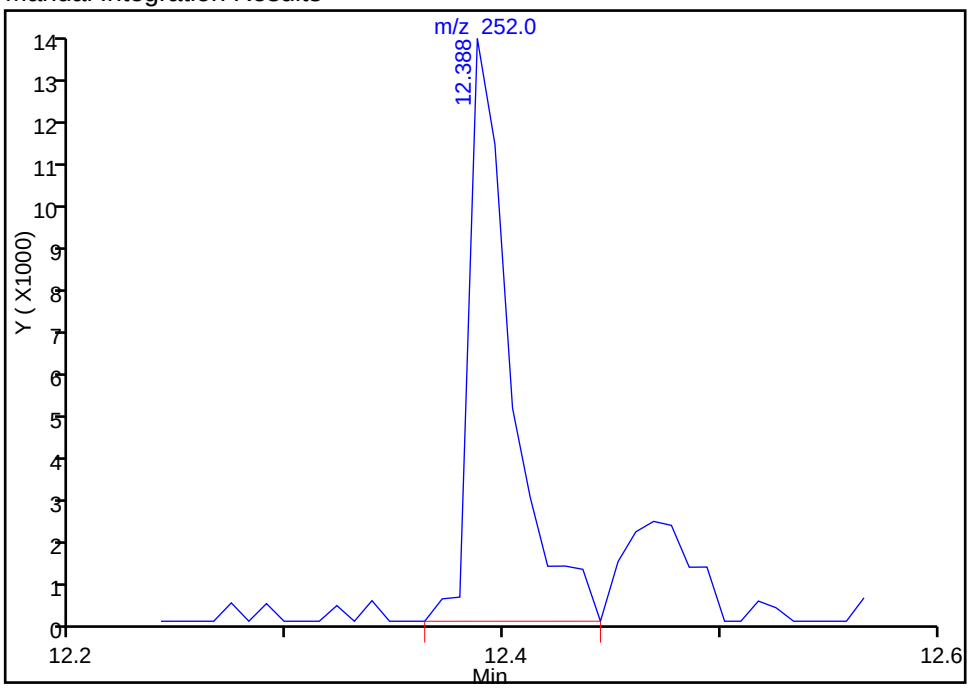
Processing Integration Results

RT: 12.47
Area: 5242
Amount: 0.089792
Amount Units: ug/ml



Manual Integration Results

RT: 12.39
Area: 18407
Amount: 0.116392
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 12:55:38

Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

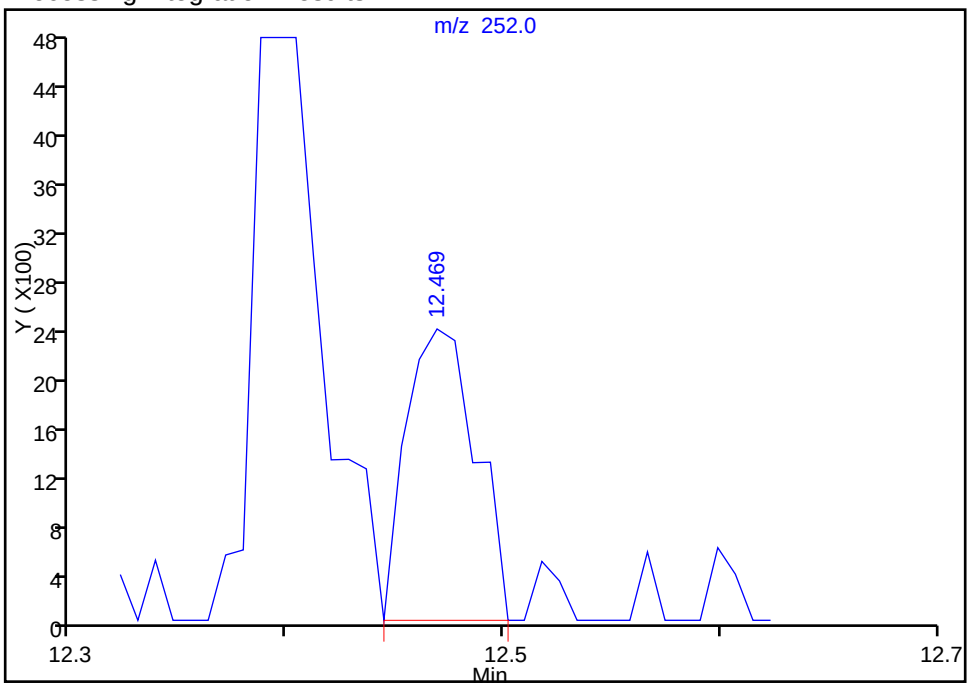
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D				
Injection Date:	23-Aug-2016 12:39:30	Instrument ID:	CBNAMS6		
Lims ID:	STD01				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

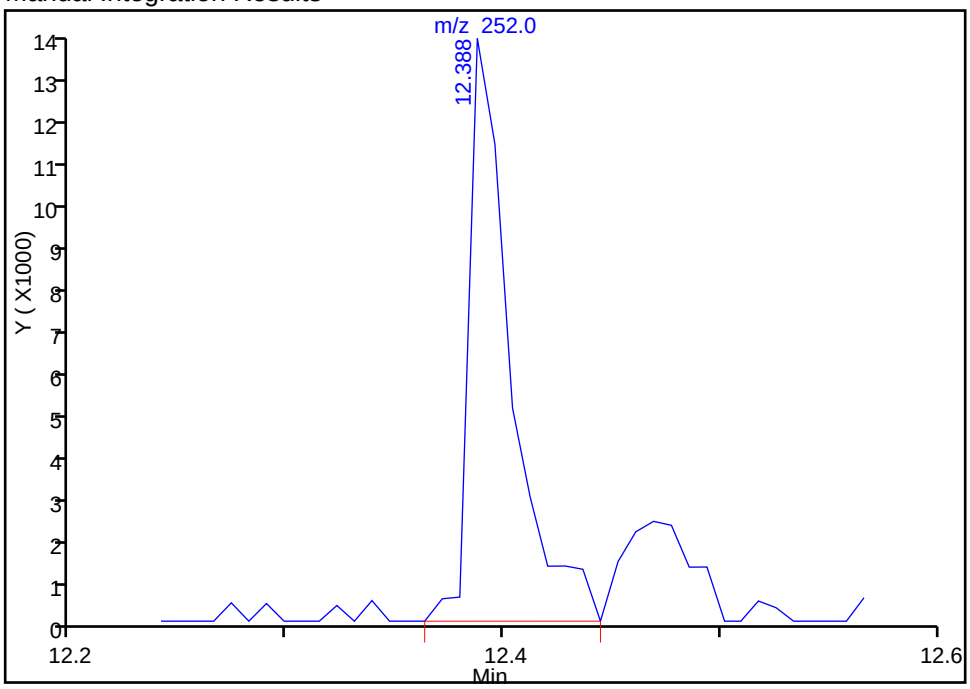
Processing Integration Results

RT: 12.47
Area: 5242
Amount: 0.089792
Amount Units: ug/ml



Manual Integration Results

RT: 12.39
Area: 18407
Amount: 0.116392
Amount Units: ug/ml



Reviewer: croccom, 23-Aug-2016 12:55:38

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385995/2 Calibration Date: 08/22/2016 07:24

Instrument ID: CBNAMS11 Calib Start Date: 08/08/2016 06:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/08/2016 09:59

Lab File ID: z41811357.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5535	0.5358	0.0100	48400	50000	-3.2	20.0
N-Nitrosodimethylamine	Ave	0.7323	0.7152		48800	50000	-2.3	20.0
Pyridine	Ave	1.277	1.272		49800	50000	-0.4	20.0
Aniline	Ave	1.744	1.778		51000	50000	2.0	20.0
Phenol	Ave	1.546	1.527	0.8000	49400	50000	-1.2	20.0
Bis(2-chloroethyl)ether	Ave	1.176	1.166	0.7000	49600	50000	-0.8	20.0
2-Chlorophenol	Ave	1.303	1.313	0.8000	50400	50000	0.8	20.0
n-Decane	Ave	1.638	1.561	0.0100	47700	50000	-4.7	20.0
1,3-Dichlorobenzene	Ave	1.529	1.560		51000	50000	2.0	20.0
1,4-Dichlorobenzene	Ave	1.532	1.573		51300	50000	2.7	20.0
Benzyl alcohol	Ave	0.6657	0.6966	0.0100	52300	50000	4.6	20.0
1,2-Dichlorobenzene	Ave	1.404	1.452		51700	50000	3.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.661	1.588	0.0100	47800	50000	-4.4	20.0
2-Methylphenol	Ave	1.034	1.083	0.7000	52300	50000	4.7	20.0
Acetophenone	Ave	1.424	1.480	0.0100	52000	50000	4.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.7147	0.6568	0.5000	46000	50000	-8.1	20.0
3 & 4 Methylphenol	Ave	1.051	1.040		49400	50000	-1.1	20.0
4-Methylphenol	Ave	1.051	1.040	0.6000	49400	50000	-1.1	20.0
Hexachloroethane	Ave	0.5577	0.5673	0.3000	50900	50000	1.7	20.0
Nitrobenzene	Ave	0.4683	0.4826	0.2000	51500	50000	3.0	20.0
n,n'-Dimethylaniline	Ave	1.760	1.805	0.0100	51300	50000	2.6	20.0
Isophorone	Ave	0.5268	0.5015	0.4000	47600	50000	-4.8	20.0
2-Nitrophenol	Ave	0.1945	0.1937	0.1000	49800	50000	-0.4	20.0
2,4-Dimethylphenol	Ave	0.3009	0.3002	0.2000	49900	50000	-0.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.3620	0.3526	0.3000	48700	50000	-2.6	20.0
2,4-Dichlorophenol	Ave	0.2871	0.3005	0.2000	52300	50000	4.7	20.0
Benzoic acid	Lin2		0.1703		50400	50000	0.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3401	0.3623		53300	50000	6.5	20.0
Naphthalene	Ave	1.004	1.041	0.7000	51800	50000	3.7	20.0
4-Chloroaniline	Ave	0.3714	0.3870	0.0100	52100	50000	4.2	20.0
Hexachlorobutadiene	Ave	0.2017	0.2194	0.0100	54400	50000	8.8	20.0
4-Chloro-3-methylphenol	Ave	0.2313	0.2340		50600	50000	1.2	20.0
2-Methylnaphthalene	Ave	0.6264	0.6613	0.4000	52800	50000	5.6	20.0
1-Methylnaphthalene	Ave	0.5750	0.6094	0.0100	53000	50000	6.0	20.0
Hexachlorocyclopentadiene	Ave	0.5018	0.4233	0.0500	42200	50000	-15.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7255	0.7261	0.0100	50000	50000	0.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4254	0.4249	0.0100	49900	50000	-0.1	20.0
2,4,6-Trichlorophenol	Ave	0.4164	0.4098	0.2000	49200	50000	-1.6	20.0
2,4,5-Trichlorophenol	Ave	0.4257	0.4228	0.2000	49700	50000	-0.7	20.0
1,1'-Biphenyl	Ave	1.680	1.733	0.0100	51600	50000	3.1	20.0
2-Chloronaphthalene	Ave	1.268	1.278	0.8000	50400	50000	0.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385995/2 Calibration Date: 08/22/2016 07:24

Instrument ID: CBNAMS11 Calib Start Date: 08/08/2016 06:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/08/2016 09:59

Lab File ID: z41811357.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.9072	0.8654	0.0100	47700	50000	-4.6	20.0
2-Nitroaniline	Ave	0.3771	0.2942	0.0100	39000	50000	-22.0*	20.0
1,3-Dimethylnaphthalene	Ave	1.066	1.037	0.0100	48700	50000	-2.7	20.0
Coumarin	Ave	0.1480	0.1557	0.0100	52600	50000	5.2	20.0
Dimethyl phthalate	Ave	1.130	1.130	0.0100	50000	50000	0.0	20.0
2,6-Dinitrotoluene	Ave	0.2661	0.2606	0.2000	49000	50000	-2.1	20.0
Acenaphthylene	Ave	1.823	1.808	0.9000	49600	50000	-0.9	20.0
3-Nitroaniline	Ave	0.2664	0.2609	0.0100	49000	50000	-2.1	20.0
Acenaphthene	Ave	1.124	1.150	0.9000	51100	50000	2.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.280	1.228	0.0100	48000	50000	-4.0	20.0
2,4-Dinitrophenol	Lin2		0.1655	0.0100	100000	100000	0.0	20.0
4-Nitrophenol	Ave	0.1633	0.1687	0.0100	103000	100000	3.3	20.0
Dibenzofuran	Ave	1.626	1.653	0.8000	50800	50000	1.6	20.0
2,4-Dinitrotoluene	Ave	0.3091	0.3141	0.2000	50800	50000	1.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3151	0.3169	0.0100	50300	50000	0.6	20.0
Diethyl phthalate	Ave	1.028	1.020	0.0100	49600	50000	-0.8	20.0
Fluorene	Ave	1.255	1.293	0.9000	51500	50000	3.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.6321	0.6486	0.4000	51300	50000	2.6	20.0
4-Nitroaniline	Ave	0.2248	0.2066	0.0100	46000	50000	-8.1	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1479	0.0100	98100	100000	-1.9	20.0
N-Nitrosodiphenylamine	Ave	0.6623	0.6610	0.0100	49900	50000	-0.2	20.0
1,2-Diphenylhydrazine	Ave	0.8392	0.8047	0.0100	47900	50000	-4.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2739	0.2720	0.1000	49600	50000	-0.7	20.0
Hexachlorobenzene	Ave	0.2725	0.2841	0.1000	52100	50000	4.3	20.0
Pentachlorophenol	Lin2		0.1593	0.0500	96100	100000	-3.9	20.0
Pentachloronitrobenzene	Ave	0.0978	0.1008	0.0100	51500	50000	3.1	20.0
n-Octadecane	Ave	0.6480	0.6365	0.0100	49100	50000	-1.8	20.0
Phenanthrene	Ave	1.110	1.141	0.7000	51400	50000	2.7	20.0
Anthracene	Ave	1.150	1.175	0.7000	51100	50000	2.2	20.0
Carbazole	Ave	0.9054	0.8962	0.0100	49500	50000	-1.0	20.0
Di-n-butyl phthalate	Ave	1.071	1.062	0.0100	49600	50000	-0.8	20.0
Fluoranthene	Ave	0.9738	1.003	0.6000	51500	50000	3.0	20.0
Benzidine	Ave	0.4162	0.4327		52000	50000	4.0	20.0
Pyrene	Ave	1.613	1.584	0.6000	49100	50000	-1.8	20.0
Bisphenol-A	Ave	0.5916	0.5040		42600	50000	-14.8	20.0
Butyl benzyl phthalate	Ave	0.5700	0.5625	0.0100	49300	50000	-1.3	20.0
2,3,7,8-TCDD	Ave	0.1906	0.1752	0.0100	460	500	-8.1	20.0
Carbamazepine	Ave	0.4221	0.4140	0.0100	49000	50000	-1.9	20.0
3,3'-Dichlorobenzidine	Ave	0.4156	0.4229	0.0100	50900	50000	1.8	20.0
Benzo[a]anthracene	Lin2		1.223	0.8000	52100	50000	4.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-385995/2 Calibration Date: 08/22/2016 07:24

Instrument ID: CBNAMS11 Calib Start Date: 08/08/2016 06:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/08/2016 09:59

Lab File ID: z41811357.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.106	1.109	0.7000	50100	50000	0.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7640	0.7784	0.0100	50900	50000	1.9	20.0
Di-n-octyl phthalate	Ave	1.406	1.522	0.0100	54100	50000	8.2	20.0
Benzo[b]fluoranthene	Ave	1.194	1.286	0.7000	53800	50000	7.7	20.0
Benzo[k]fluoranthene	Ave	1.218	1.225	0.7000	50300	50000	0.6	20.0
Benzo[a]pyrene	Ave	1.091	1.152	0.7000	52800	50000	5.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.016	1.058	0.5000	52100	50000	4.1	20.0
Dibenz(a,h)anthracene	Ave	1.010	1.079	0.4000	53400	50000	6.8	20.0
Benzo[g,h,i]perylene	Qua		1.063	0.5000	50000	50000	0.0	20.0
2-Fluorophenol (Surr)	Ave	1.267	1.252		49400	50000	-1.1	20.0
Phenol-d5 (Surr)	Ave	1.411	1.420		50300	50000	0.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3561	0.3458		48600	50000	-2.9	20.0
2-Fluorobiphenyl	Ave	1.607	1.615		50300	50000	0.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1814	0.1816		50100	50000	0.1	20.0
Terphenyl-d14 (Surr)	Ave	1.174	1.164		49600	50000	-0.8	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811357.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Aug-2016 07:24:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044693-002
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 11:23:25 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: bayoumiw Date: 22-Aug-2016 11:23:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.299	1.299	0.000	99	340448	50.0	48.4	
2 N-Nitrosodimethylamine	74	1.516	1.516	0.000	83	454431	50.0	48.8	
3 Pyridine	79	1.534	1.534	0.000	84	808258	50.0	49.8	
$ 4 2-Fluorophenol	112	2.610	2.610	0.000	94	795617	50.0	49.4	
8 Aniline	93	3.534	3.534	0.000	99	1129794	50.0	51.0	
$ 6 Phenol-d5	99	3.546	3.546	0.000	94	902557	50.0	50.3	
7 Phenol	94	3.563	3.563	0.000	99	970407	50.0	49.4	
9 Bis(2-chloroethyl)ether	93	3.610	3.610	0.000	96	740748	50.0	49.6	
10 Benzonitrile	103	3.628	3.628	0.000	0	1316099	NC	NC	
11 2-Chlorophenol	128	3.657	3.657	0.000	96	834446	50.0	50.4	
12 n-Decane	43	3.728	3.728	0.000	91	992158	50.0	47.7	
13 1,3-Dichlorobenzene	146	3.804	3.804	0.000	96	991459	50.0	51.0	
* 14 1,4-Dichlorobenzene-d4	152	3.863	3.863	0.000	95	508327	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.881	3.881	0.000	95	999587	50.0	51.3	
16 Benzyl alcohol	108	4.028	4.028	0.000	94	442596	50.0	52.3	
17 1,2-Dichlorobenzene	146	4.034	4.034	0.000	96	922920	50.0	51.7	
19 2,2'-oxybis[1-chloropropan	45	4.163	4.163	0.000	94	1009010	50.0	47.8	
18 2-Methylphenol	108	4.163	4.163	0.000	89	687924	50.0	52.3	
20 N-Methylaniline	106	4.281	4.281	0.000	0	1053170	NC	NC	
22 Acetophenone	105	4.293	4.293	0.000	97	940676	50.0	52.0	
21 N-Nitrosodi-n-propylamine	70	4.310	4.310	0.000	90	417332	50.0	46.0	
24 4-Methylphenol	108	4.334	4.334	0.000	95	660741	50.0	49.4	
23 3 & 4 Methylphenol	108	4.334	4.334	0.000	97	660741	50.0	49.4	
25 Hexachloroethane	117	4.369	4.369	0.000	93	360440	50.0	50.9	
$ 26 Nitrobenzene-d5	82	4.440	4.440	0.000	90	695364	50.0	48.6	
27 Nitrobenzene	77	4.463	4.463	0.000	94	970398	50.0	51.5	
28 n,n'-Dimethylaniline	120	4.469	4.469	0.000	92	1147150	50.0	51.3	
31 Isophorone	82	4.716	4.716	0.000	98	1008391	50.0	47.6	
32 2-Nitrophenol	139	4.781	4.781	0.000	93	389559	50.0	49.8	
33 2,4-Dimethylphenol	122	4.863	4.863	0.000	92	603623	50.0	49.9	
34 Bis(2-chloroethoxy)methane	93	4.945	4.945	0.000	99	709061	50.0	48.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.040	5.040	0.000	96	604292	50.0	52.3	
35 Benzoic acid	122	5.063	5.063	0.000	94	342453	50.0	50.4	
37 1,2,4-Trichlorobenzene	180	5.110	5.110	0.000	94	728446	50.0	53.3	
* 38 Naphthalene-d8	136	5.157	5.157	0.000	99	1608625	40.0	40.0	
39 Naphthalene	128	5.181	5.181	0.000	100	2092427	50.0	51.8	
40 4-Chloroaniline	127	5.257	5.257	0.000	97	778102	50.0	52.1	
41 Hexachlorobutadiene	225	5.322	5.322	0.000	97	441105	50.0	54.4	
43 4-Chloro-3-methylphenol	107	5.775	5.775	0.000	95	470471	50.0	50.6	
44 2-Methylnaphthalene	142	5.881	5.881	0.000	86	1329795	50.0	52.8	
45 1-Methylnaphthalene	142	5.975	5.975	0.000	93	1225318	50.0	53.0	
46 Hexachlorocyclopentadiene	237	6.045	6.045	0.000	98	380521	50.0	42.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.057	6.057	0.000	99	652802	50.0	50.0	
48 2-tertbutyl-4-methylphenol	149	6.122	6.122	0.000	92	854297	50.0	49.9	
49 2,4,6-Trichlorophenol	196	6.181	6.181	0.000	93	368441	50.0	49.2	
50 2,4,5-Trichlorophenol	196	6.216	6.216	0.000	98	380141	50.0	49.7	
$ 51 2-Fluorobiphenyl	172	6.257	6.257	0.000	98	1452278	50.0	50.3	
52 1,1'-Biphenyl	154	6.351	6.351	0.000	96	1558027	50.0	51.6	
53 2-Chloronaphthalene	162	6.363	6.363	0.000	99	1149282	50.0	50.4	
54 Phenyl ether	170	6.457	6.457	0.000	84	778008	50.0	47.7	
55 2-Nitroaniline	65	6.481	6.481	0.000	95	264503	50.0	39.0	
57 1,3-Dimethylnaphthalene	156	6.587	6.587	0.000	93	932707	50.0	48.7	
58 Dimethyl phthalate	163	6.681	6.681	0.000	99	1016325	50.0	50.0	
59 Coumarin	146	6.681	6.681	0.000	66	313127	50.0	52.6	
60 2,6-Dinitrotoluene	165	6.734	6.734	0.000	94	234290	50.0	49.0	
63 Acenaphthylene	152	6.769	6.769	0.000	97	1625078	50.0	49.6	
64 3-Nitroaniline	138	6.892	6.892	0.000	96	234597	50.0	49.0	
* 65 Acenaphthene-d10	164	6.910	6.910	0.000	92	719236	40.0	40.0	
67 Acenaphthene	154	6.945	6.945	0.000	94	1033498	50.0	51.1	
66 3,5-di-tert-butyl-4-hydrox	205	6.963	6.963	0.000	96	1104189	50.0	48.0	
68 2,4-Dinitrophenol	184	7.004	7.004	0.000	96	297566	100.0	100.1	
69 4-Nitrophenol	65	7.104	7.104	0.000	88	303299	100.0	103.3	
71 Dibenzofuran	168	7.116	7.116	0.000	96	1485705	50.0	50.8	
70 2,4-Dinitrotoluene	165	7.128	7.128	0.000	96	282342	50.0	50.8	
72 2,3,4,6-Tetrachlorophenol	232	7.251	7.251	0.000	96	284861	50.0	50.3	
73 Diethyl phthalate	149	7.375	7.375	0.000	99	917359	50.0	49.6	
74 Fluorene	166	7.451	7.451	0.000	98	1162828	50.0	51.5	
75 4-Chlorophenyl phenyl ethe	204	7.463	7.463	0.000	94	583110	50.0	51.3	
76 4-Nitroaniline	138	7.498	7.498	0.000	88	185702	50.0	46.0	
77 4,6-Dinitro-2-methylphenol	198	7.539	7.539	0.000	90	339429	100.0	98.1	
78 N-Nitrosodiphenylamine	169	7.586	7.586	0.000	68	758689	50.0	49.9	
79 1,2-Diphenylhydrazine	77	7.616	7.616	0.000	96	923610	50.0	47.9	
$ 80 2,4,6-Tribromophenol	330	7.692	7.692	0.000	94	163258	50.0	50.1	
81 4-Bromophenyl phenyl ether	248	7.933	7.933	0.000	93	312173	50.0	49.6	
82 Hexachlorobenzene	284	7.998	7.998	0.000	97	326143	50.0	52.1	
84 Pentachlorophenol	266	8.204	8.204	0.000	94	365645	100.0	96.1	
85 Pentachloronitrobenzene	237	8.210	8.210	0.000	89	115670	50.0	51.5	
86 n-Octadecane	57	8.310	8.310	0.000	93	730560	50.0	49.1	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	918272	40.0	40.0	
88 Phenanthrene	178	8.386	8.386	0.000	97	1309328	50.0	51.4	
89 Anthracene	178	8.439	8.439	0.000	99	1348964	50.0	51.1	
90 Carbazole	167	8.604	8.604	0.000	96	1028716	50.0	49.5	
91 Di-n-butyl phthalate	149	8.975	8.975	0.000	100	1218670	50.0	49.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.551	9.551	0.000	98	1151092	50.0	51.5	
93 Benzidine	184	9.698	9.698	0.000	99	496616	50.0	52.0	
94 Pyrene	202	9.769	9.769	0.000	98	1125285	50.0	49.1	
95 Bisphenol-A	213	9.851	9.851	0.000	99	358152	50.0	42.6	
$ 96 Terphenyl-d14	244	9.939	9.939	0.000	99	827344	50.0	49.6	
97 Butyl benzyl phthalate	149	10.439	10.439	0.000	96	399715	50.0	49.3	
98 2,3,7,8-TCDD	320	10.522	10.522	0.000	90	1245	0.5000	0.4597	
99 Carbamazepine	193	10.533	10.533	0.000	93	294168	50.0	49.0	
100 3,3'-Dichlorobenzidine	252	10.980	10.980	0.000	99	300532	50.0	50.9	
101 Benzo[a]anthracene	228	10.992	10.992	0.000	98	869178	50.0	52.1	
* 102 Chrysene-d12	240	11.004	11.004	0.000	99	568462	40.0	40.0	
103 Chrysene	228	11.033	11.033	0.000	99	788229	50.0	50.1	
104 Bis(2-ethylhexyl) phthalat	149	11.074	11.074	0.000	88	553092	50.0	50.9	
105 Di-n-octyl phthalate	149	11.851	11.851	0.000	97	859211	50.0	54.1	
106 Benzo[b]fluoranthene	252	12.268	12.268	0.000	98	726102	50.0	53.8	
107 Benzo[k]fluoranthene	252	12.304	12.304	0.000	99	691882	50.0	50.3	
108 Benzo[a]pyrene	252	12.674	12.674	0.000	98	650683	50.0	52.8	
* 109 Perylene-d12	264	12.745	12.745	0.000	99	451746	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.121	14.121	0.000	99	597287	50.0	52.1	
111 Dibenz(a,h)anthracene	278	14.151	14.151	0.000	97	609127	50.0	53.4	
112 Benzo[g,h,i]perylene	276	14.451	14.451	0.000	98	600316	50.0	50.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00020 Amount Added: 1.00 Units: mL

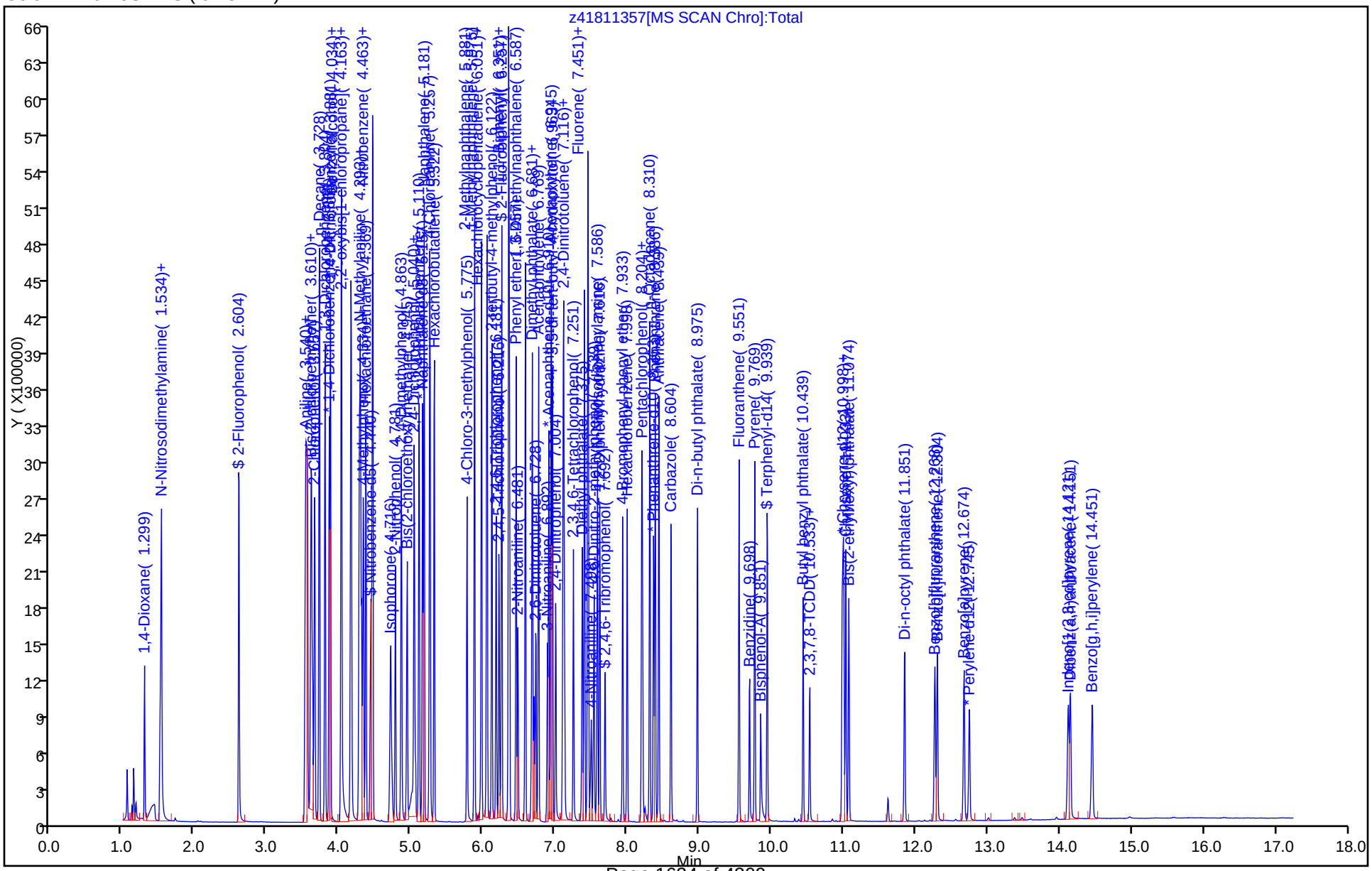
Report Date: 22-Aug-2016 11:23:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811357.D

Injection Date:	22-Aug-2016 07:24:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-386446/12 Calibration Date: 08/24/2016 10:48

Instrument ID: CBNAMS11 Calib Start Date: 08/24/2016 07:03

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2016 10:00

Lab File ID: z41811436.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5031	0.5022	0.0100	25000	25000	-0.2	30.0
N-Nitrosodimethylamine	Ave	0.6422	0.5726		22300	25000	-10.8	30.0
Pyridine	Ave	1.172	1.204		25700	25000	2.8	30.0
Aniline	Ave	1.646	1.675		25400	25000	1.8	30.0
Phenol	Ave	1.345	1.323	0.8000	24600	25000	-1.6	30.0
Bis(2-chloroethyl)ether	Ave	1.047	1.068	0.7000	25500	25000	2.0	30.0
2-Chlorophenol	Ave	1.264	1.268	0.8000	25100	25000	0.3	30.0
n-Decane	Ave	1.381	1.382	0.0100	25000	25000	0.0	30.0
1,3-Dichlorobenzene	Ave	1.517	1.486		24500	25000	-2.0	30.0
1,4-Dichlorobenzene	Ave	1.522	1.525		25100	25000	0.2	30.0
1,2-Dichlorobenzene	Ave	1.405	1.394		24800	25000	-0.7	30.0
Benzyl alcohol	Lin2		0.6164	0.0100	24900	25000	-0.3	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.430	1.442	0.0100	25200	25000	0.8	30.0
2-Methylphenol	Ave	1.033	1.062	0.7000	25700	25000	2.8	30.0
Acetophenone	Ave	1.419	1.408	0.0100	24800	25000	-0.8	30.0
N-Nitrosodi-n-propylamine	Ave	0.6490	0.6655	0.5000	25600	25000	2.5	30.0
3 & 4 Methylphenol	Ave	1.036	1.039		25100	25000	0.3	30.0
4-Methylphenol	Ave	1.036	1.039	0.6000	25100	25000	0.3	30.0
Hexachloroethane	Ave	0.5379	0.5378	0.3000	25000	25000	-0.0	30.0
Nitrobenzene	Ave	0.4375	0.4514	0.2000	25800	25000	3.2	30.0
n,n'-Dimethylaniline	Ave	1.729	1.793	0.0100	25900	25000	3.7	30.0
Isophorone	Ave	0.5017	0.5134	0.4000	25600	25000	2.3	30.0
2-Nitrophenol	Ave	0.1912	0.1941	0.1000	25400	25000	1.5	30.0
2,4-Dimethylphenol	Ave	0.2944	0.2918	0.2000	24800	25000	-0.9	30.0
Bis(2-chloroethoxy)methane	Ave	0.3400	0.3396	0.3000	25000	25000	-0.1	30.0
2,4-Dichlorophenol	Ave	0.2939	0.2963	0.2000	25200	25000	0.8	30.0
Benzoic acid	Lin2		0.1781		25900	25000	3.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3471	0.3436		24700	25000	-1.0	30.0
Naphthalene	Ave	1.005	1.000	0.7000	24900	25000	-0.6	30.0
4-Chloroaniline	Ave	0.3825	0.3804	0.0100	24900	25000	-0.6	30.0
Hexachlorobutadiene	Ave	0.2071	0.2100	0.0100	25400	25000	1.4	30.0
4-Chloro-3-methylphenol	Ave	0.2400	0.2410		25100	25000	0.5	30.0
2-Methylnaphthalene	Ave	0.6574	0.6549	0.4000	24900	25000	-0.4	30.0
1-Methylnaphthalene	Ave	0.6083	0.6033	0.0100	24800	25000	-0.8	30.0
Hexachlorocyclopentadiene	Lin2		0.3571	0.0500	22500	25000	-10.1	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6807	0.6726	0.0100	24700	25000	-1.2	30.0
2-tertbutyl-4-methylphenol	Ave	0.4424	0.4436	0.0100	25100	25000	0.3	30.0
2,4,6-Trichlorophenol	Ave	0.3821	0.4007	0.2000	26200	25000	4.9	30.0
2,4,5-Trichlorophenol	Ave	0.4268	0.4311	0.2000	25300	25000	1.0	30.0
1,1'-Biphenyl	Ave	1.615	1.598	0.0100	24700	25000	-1.0	30.0
2-Chloronaphthalene	Ave	1.206	1.202	0.8000	24900	25000	-0.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-386446/12 Calibration Date: 08/24/2016 10:48

Instrument ID: CBNAMS11 Calib Start Date: 08/24/2016 07:03

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2016 10:00

Lab File ID: z41811436.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8714	0.8945	0.0100	25700	25000	2.7	30.0
2-Nitroaniline	Ave	0.2835	0.3033	0.0100	26700	25000	7.0	30.0
1,3-Dimethylnaphthalene	Ave	1.025	1.059	0.0100	25800	25000	3.3	30.0
Coumarin	Ave	0.1721	0.1807	0.0100	26200	25000	5.0	30.0
Dimethyl phthalate	Ave	1.163	1.160	0.0100	24900	25000	-0.3	30.0
2,6-Dinitrotoluene	Ave	0.2661	0.2717	0.2000	25500	25000	2.1	30.0
Acenaphthylene	Ave	1.784	1.861	0.9000	26100	25000	4.3	30.0
3-Nitroaniline	Ave	0.2747	0.2767	0.0100	25200	25000	0.7	30.0
Acenaphthene	Ave	1.107	1.131	0.9000	25500	25000	2.2	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.266	1.253	0.0100	24700	25000	-1.0	30.0
2,4-Dinitrophenol	Qua		0.1654	0.0100	50900	50000	1.8	30.0
4-Nitrophenol	Ave	0.1679	0.1734	0.0100	51600	50000	3.3	30.0
Dibenzofuran	Ave	1.620	1.617	0.8000	25000	25000	-0.2	30.0
2,4-Dinitrotoluene	Ave	0.3144	0.3403	0.2000	27100	25000	8.2	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3089	0.3152	0.0100	25500	25000	2.0	30.0
Diethyl phthalate	Ave	1.080	1.091	0.0100	25300	25000	1.0	30.0
Fluorene	Ave	1.282	1.277	0.9000	24900	25000	-0.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.6474	0.6447	0.4000	24900	25000	-0.4	30.0
4-Nitroaniline	Ave	0.2191	0.2278	0.0100	26000	25000	3.9	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1344	0.0100	47200	50000	-5.7	30.0
N-Nitrosodiphenylamine	Ave	0.6193	0.6031	0.0100	24300	25000	-2.6	30.0
1,2-Diphenylhydrazine	Ave	0.7333	0.7017	0.0100	23900	25000	-4.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2594	0.2524	0.1000	24300	25000	-2.7	30.0
Hexachlorobenzene	Ave	0.2650	0.2781	0.1000	26200	25000	5.0	30.0
Pentachlorophenol	QuaF		0.1445	0.0500	49900	50000	-0.1	30.0
Pentachloronitrobenzene	Ave	0.0987	0.1039	0.0100	26300	25000	5.3	30.0
n-Octadecane	Ave	0.5576	0.5344	0.0100	24000	25000	-4.2	30.0
Phenanthrene	Ave	1.085	1.081	0.7000	24900	25000	-0.4	30.0
Anthracene	Ave	1.135	1.117	0.7000	24600	25000	-1.6	30.0
Carbazole	Ave	0.8978	0.8856	0.0100	24700	25000	-1.4	30.0
Di-n-butyl phthalate	Ave	1.076	1.051	0.0100	24400	25000	-2.3	30.0
Fluoranthene	Ave	1.016	0.9624	0.6000	23700	25000	-5.2	30.0
Benzidine	Ave	0.4495	0.4145		23100	25000	-7.8	30.0
Pyrene	Ave	1.611	1.691	0.6000	26200	25000	4.9	30.0
Bisphenol-A	Lin2		0.2700		19600	25000	-21.5	30.0
Butyl benzyl phthalate	Ave	0.5597	0.5705	0.0100	25500	25000	1.9	30.0
Carbamazepine	Ave	0.4132	0.4013	0.0100	24300	25000	-2.9	30.0
3,3'-Dichlorobenzidine	Ave	0.4156	0.4196	0.0100	25200	25000	1.0	30.0
Benzo[a]anthracene	Ave	1.217	1.185	0.8000	24300	25000	-2.7	30.0
Chrysene	Ave	1.109	1.093	0.7000	24600	25000	-1.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-386446/12 Calibration Date: 08/24/2016 10:48

Instrument ID: CBNAMS11 Calib Start Date: 08/24/2016 07:03

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2016 10:00

Lab File ID: z41811436.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.7737	0.7770	0.0100	25100	25000	0.4	30.0
Di-n-octyl phthalate	Ave	1.528	1.615	0.0100	26400	25000	5.6	30.0
Benzo[b]fluoranthene	Ave	1.176	1.189	0.7000	25300	25000	1.2	30.0
Benzo[k]fluoranthene	Ave	1.306	1.348	0.7000	25800	25000	3.2	30.0
Benzo[a]pyrene	Ave	1.103	1.079	0.7000	24400	25000	-2.2	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9288	0.9541	0.5000	25700	25000	2.7	30.0
Dibenz(a,h)anthracene	Ave	0.9215	0.9821	0.4000	26600	25000	6.6	30.0
Benzo[g,h,i]perylene	Qua		0.9739	0.5000	24700	25000	-1.2	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811436.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 24-Aug-2016 10:48:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-012
Operator ID: Instrument ID: CBNAMS11
Sublist:

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:53 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: croccom Date: 24-Aug-2016 11:42:35

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.199	1.193	0.006	99	149310	25.0	25.0	
	2 N-Nitrosodimethylamine	74	1.404	1.405	-0.001	82	170243	25.0	22.3	
	3 Pyridine	79	1.422	1.416	0.006	85	357972	25.0	25.7	
	8 Aniline	93	3.381	3.387	-0.006	100	497985	25.0	25.4	
	7 Phenol	94	3.410	3.428	-0.018	98	393501	25.0	24.6	
	9 Bis(2-chloroethyl)ether	93	3.463	3.475	-0.012	76	317483	25.0	25.5	
	10 Benzonitrile	103	3.463	3.481	-0.018	0	646219	NC	NC	
	11 2-Chlorophenol	128	3.510	3.516	-0.006	97	377036	25.0	25.1	
	12 n-Decane	43	3.581	3.587	-0.006	91	410963	25.0	25.0	
	13 1,3-Dichlorobenzene	146	3.657	3.663	-0.006	96	441912	25.0	24.5	
*	14 1,4-Dichlorobenzene-d4	152	3.716	3.716	0.000	96	475724	40.0	40.0	
	15 1,4-Dichlorobenzene	146	3.734	3.740	-0.006	96	453503	25.0	25.1	
	16 Benzyl alcohol	108	3.887	3.893	-0.006	95	183274	25.0	24.9	
	17 1,2-Dichlorobenzene	146	3.887	3.893	-0.006	96	414492	25.0	24.8	
	19 2,2'-oxybis[1-chloropropan	45	4.028	4.028	0.000	93	428701	25.0	25.2	
	18 2-Methylphenol	108	4.028	4.034	-0.006	87	315687	25.0	25.7	
	20 N-Methylaniline	106	4.140	4.146	-0.006	0	498179	NC	NC	
	22 Acetophenone	105	4.145	4.157	-0.012	97	418530	25.0	24.8	
	21 N-Nitrosodi-n-propylamine	70	4.163	4.175	-0.012	90	197866	25.0	25.6	
	24 4-Methylphenol	108	4.192	4.204	-0.012	95	308882	25.0	25.1	
	23 3 & 4 Methylphenol	108	4.192	4.204	-0.012	98	308882	25.0	25.1	
	25 Hexachloroethane	117	4.228	4.228	0.000	91	159912	25.0	25.0	
	27 Nitrobenzene	77	4.316	4.328	-0.012	94	435451	25.0	25.8	
	28 n,n'-Dimethylaniline	120	4.322	4.328	-0.006	97	533018	25.0	25.9	
	31 Isophorone	82	4.569	4.581	-0.012	98	495271	25.0	25.6	
	32 2-Nitrophenol	139	4.639	4.646	-0.007	92	187291	25.0	25.4	
	33 2,4-Dimethylphenol	122	4.728	4.734	-0.006	92	281473	25.0	24.8	
	34 Bis(2-chloroethoxy)methane	93	4.810	4.810	0.000	100	327579	25.0	25.0	
	36 2,4-Dichlorophenol	162	4.904	4.910	-0.006	96	285891	25.0	25.2	
	35 Benzoic acid	122	4.910	4.946	-0.036	89	171798	25.0	25.9	
	37 1,2,4-Trichlorobenzene	180	4.969	4.975	-0.006	94	331438	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 38 Naphthalene-d8	136	5.016	5.016	0.000	99	1543581	40.0	40.0	
39 Naphthalene	128	5.039	5.046	-0.007	99	964278	25.0	24.9	
40 4-Chloroaniline	127	5.116	5.122	-0.006	97	366939	25.0	24.9	
41 Hexachlorobutadiene	225	5.181	5.187	-0.006	96	202609	25.0	25.4	
43 4-Chloro-3-methylphenol	107	5.645	5.645	0.000	95	232541	25.0	25.1	
44 2-Methylnaphthalene	142	5.739	5.745	-0.006	85	631843	25.0	24.9	
45 1-Methylnaphthalene	142	5.839	5.840	-0.001	93	582023	25.0	24.8	
46 Hexachlorocyclopentadiene	237	5.910	5.910	0.000	97	167613	25.0	22.5	
47 1,2,4,5-Tetrachlorobenzene	216	5.916	5.922	-0.006	98	315749	25.0	24.7	
48 2-tertbutyl-4-methylphenol	149	5.986	5.993	-0.007	92	427985	25.0	25.1	
49 2,4,6-Trichlorophenol	196	6.045	6.045	0.000	93	188098	25.0	26.2	
50 2,4,5-Trichlorophenol	196	6.086	6.087	-0.001	99	202346	25.0	25.3	
52 1,1'-Biphenyl	154	6.216	6.216	0.000	95	750329	25.0	24.7	
53 2-Chloronaphthalene	162	6.222	6.228	-0.006	97	564307	25.0	24.9	
54 Phenyl ether	170	6.322	6.322	0.000	84	419913	25.0	25.7	
55 2-Nitroaniline	65	6.345	6.351	-0.006	94	142370	25.0	26.7	
57 1,3-Dimethylnaphthalene	156	6.445	6.451	-0.006	93	497121	25.0	25.8	
59 Coumarin	146	6.539	6.545	-0.006	81	174315	25.0	26.2	
58 Dimethyl phthalate	163	6.545	6.551	-0.006	100	544522	25.0	24.9	
60 2,6-Dinitrotoluene	165	6.592	6.604	-0.012	94	127530	25.0	25.5	
63 Acenaphthylene	152	6.628	6.634	-0.006	97	873640	25.0	26.1	
64 3-Nitroaniline	138	6.757	6.763	-0.006	96	129902	25.0	25.2	
* 65 Acenaphthene-d10	164	6.775	6.769	0.006	92	751080	40.0	40.0	
67 Acenaphthene	154	6.804	6.804	0.000	94	530947	25.0	25.5	
66 3,5-di-tert-butyl-4-hydrox	205	6.828	6.834	-0.006	97	588330	25.0	24.7	
68 2,4-Dinitrophenol	184	6.869	6.875	-0.006	95	155322	50.0	50.9	
69 4-Nitrophenol	65	6.975	6.981	-0.006	85	162811	50.0	51.6	
71 Dibenzofuran	168	6.975	6.981	-0.006	96	759286	25.0	25.0	
70 2,4-Dinitrotoluene	165	6.992	6.998	-0.006	97	159721	25.0	27.1	
72 2,3,4,6-Tetrachlorophenol	232	7.116	7.116	0.000	96	147946	25.0	25.5	
73 Diethyl phthalate	149	7.239	7.245	-0.006	99	512110	25.0	25.3	
74 Fluorene	166	7.310	7.316	-0.006	96	599523	25.0	24.9	
75 4-Chlorophenyl phenyl ethe	204	7.322	7.328	-0.006	92	302638	25.0	24.9	
76 4-Nitroaniline	138	7.357	7.369	-0.012	87	106920	25.0	26.0	
77 4,6-Dinitro-2-methylphenol	198	7.398	7.410	-0.012	91	181870	50.0	47.2	
78 N-Nitrosodiphenylamine	169	7.445	7.451	-0.006	68	408164	25.0	24.3	
79 1,2-Diphenylhydrazine	77	7.480	7.487	-0.007	96	474885	25.0	23.9	
81 4-Bromophenyl phenyl ether	248	7.798	7.798	0.000	94	170836	25.0	24.3	
82 Hexachlorobenzene	284	7.857	7.863	-0.006	95	188192	25.0	26.2	
84 Pentachlorophenol	266	8.063	8.063	0.000	95	195638	50.0	49.9	
85 Pentachloronitrobenzene	237	8.075	8.075	0.000	90	70324	25.0	26.3	
86 n-Octadecane	57	8.180	8.181	-0.001	94	361627	25.0	24.0	
* 87 Phenanthrene-d10	188	8.228	8.222	0.006	98	1082805	40.0	40.0	
88 Phenanthrene	178	8.245	8.245	0.000	97	731769	25.0	24.9	
89 Anthracene	178	8.298	8.298	0.000	99	755719	25.0	24.6	
90 Carbazole	167	8.469	8.469	0.000	96	599331	25.0	24.7	
91 Di-n-butyl phthalate	149	8.845	8.839	0.006	100	711255	25.0	24.4	
92 Fluoranthene	202	9.410	9.410	0.000	98	651286	25.0	23.7	
93 Benzidine	184	9.557	9.557	0.000	99	280505	25.0	23.1	
94 Pyrene	202	9.622	9.622	0.000	98	645843	25.0	26.2	
95 Bisphenol-A	213	9.733	9.716	0.017	99	103152	25.0	19.6	
97 Butyl benzyl phthalate	149	10.304	10.298	0.006	95	217912	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	10.386	10.386	0.000	91	153287	25.0	24.3	
100 3,3'-Dichlorobenzidine	252	10.821	10.822	-0.001	99	160286	25.0	25.2	
101 Benzo[a]anthracene	228	10.833	10.828	0.005	98	452585	25.0	24.3	
* 102 Chrysene-d12	240	10.845	10.839	0.006	99	611199	40.0	40.0	
103 Chrysene	228	10.869	10.869	-0.001	99	417616	25.0	24.6	
104 Bis(2-ethylhexyl) phthalat	149	10.921	10.916	0.005	87	296827	25.0	25.1	
105 Di-n-octyl phthalate	149	11.674	11.675	0.000	97	431183	25.0	26.4	
106 Benzo[b]fluoranthene	252	12.074	12.074	0.000	98	317669	25.0	25.3	
107 Benzo[k]fluoranthene	252	12.104	12.104	0.000	99	360129	25.0	25.8	
108 Benzo[a]pyrene	252	12.468	12.469	-0.001	98	288113	25.0	24.4	
* 109 Perylene-d12	264	12.545	12.545	0.000	99	427302	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	13.892	13.892	0.000	99	254805	25.0	25.7	
111 Dibenz(a,h)anthracene	278	13.921	13.921	0.000	96	262285	25.0	26.6	
112 Benzo[g,h,i]perylene	276	14.215	14.216	-0.001	98	260098	25.0	24.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ICV-long_00011 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2016 16:11:56 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811436.D

Injection Date: 24-Aug-2016 10:48:30 Instrument ID: CBNAMS11 Operator ID:

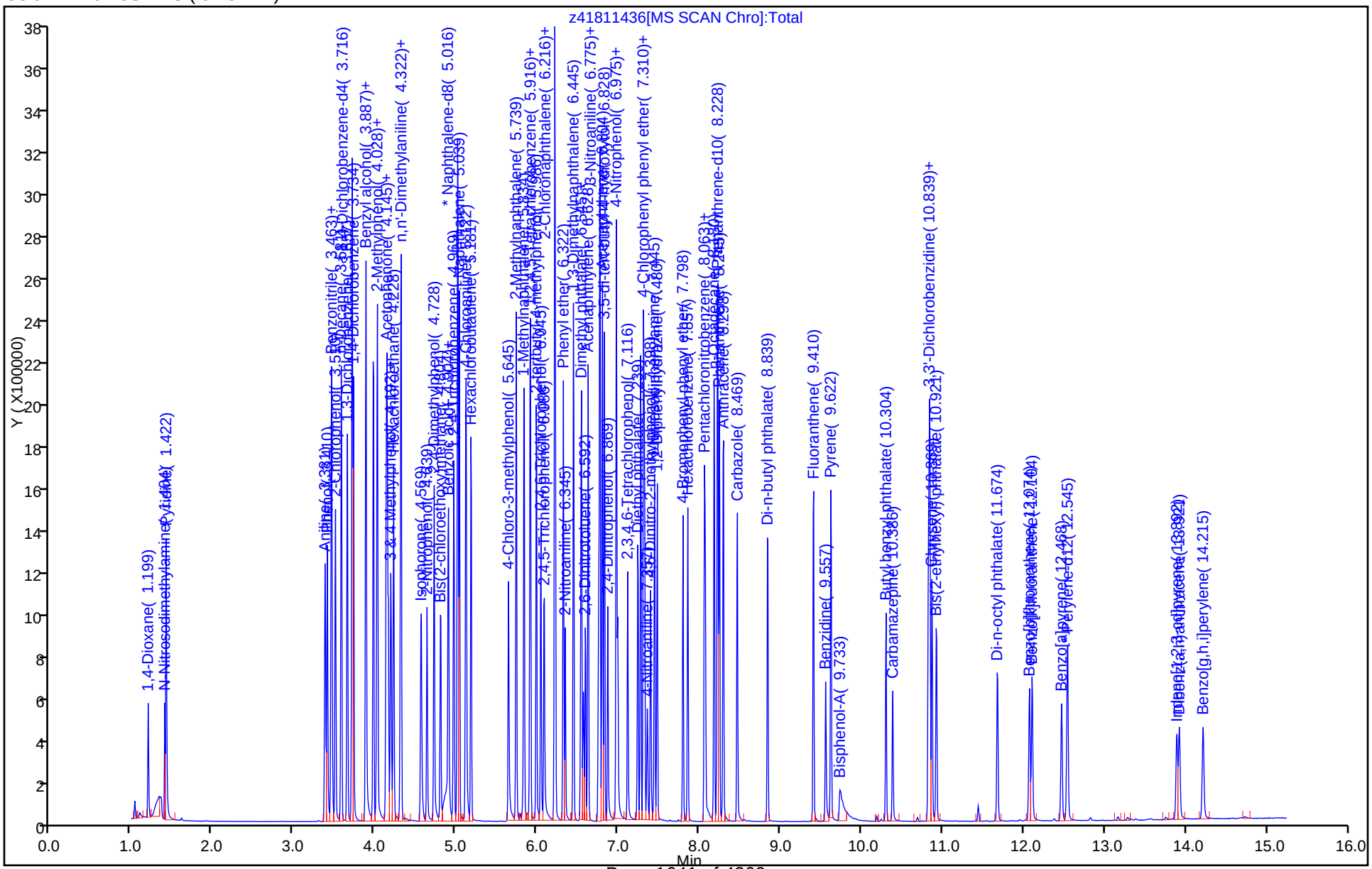
Lims ID: icv Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 12

Method: 8270_11R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386190/2 Calibration Date: 08/23/2016 07:24

Instrument ID: CBNAMS12 Calib Start Date: 08/12/2016 12:30

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/12/2016 16:00

Lab File ID: L1357798.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4334	0.4417	0.0100	51000	50000	1.9	20.0
N-Nitrosodimethylamine	Ave	0.6437	0.5998		46600	50000	-6.8	20.0
Pyridine	Ave	1.144	0.8555		37400	50000	-25.2*	20.0
Phenol	Ave	1.281	1.330	0.8000	51900	50000	3.8	20.0
Aniline	Ave	1.643	1.401		42600	50000	-14.7	20.0
Bis(2-chloroethyl)ether	Ave	1.019	1.068	0.7000	52400	50000	4.8	20.0
2-Chlorophenol	Ave	1.215	1.205	0.8000	49600	50000	-0.8	20.0
n-Decane	Ave	1.087	1.039	0.0100	47800	50000	-4.5	20.0
1,3-Dichlorobenzene	Ave	1.500	1.513		50400	50000	0.9	20.0
1,4-Dichlorobenzene	Ave	1.503	1.521		50600	50000	1.2	20.0
Benzyl alcohol	Ave	0.6920	0.5648	0.0100	40800	50000	-18.4	20.0
1,2-Dichlorobenzene	Ave	1.409	1.407		49900	50000	-0.2	20.0
2-Methylphenol	Ave	0.9553	0.9264	0.7000	48500	50000	-3.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.154	0.9336	0.0100	40400	50000	-19.1	20.0
Acetophenone	Ave	1.475	1.393	0.0100	47200	50000	-5.6	20.0
N-Nitrosodi-n-propylamine	Ave	0.7206	0.6313	0.5000	43800	50000	-12.4	20.0
3 & 4 Methylphenol	Ave	1.074	0.9802		45600	50000	-8.7	20.0
4-Methylphenol	Ave	1.074	0.9802	0.6000	45600	50000	-8.7	20.0
Hexachloroethane	Ave	0.5380	0.5598	0.3000	52000	50000	4.1	20.0
Nitrobenzene	Ave	0.4417	0.4497	0.2000	50900	50000	1.8	20.0
n,n'-Dimethylaniline	Ave	1.758	1.664	0.0100	47300	50000	-5.4	20.0
Isophorone	Ave	0.5383	0.4861	0.4000	45200	50000	-9.7	20.0
2-Nitrophenol	Ave	0.1932	0.1957	0.1000	50600	50000	1.3	20.0
2,4-Dimethylphenol	Ave	0.2853	0.2840	0.2000	49800	50000	-0.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.3344	0.3065	0.3000	45800	50000	-8.3	20.0
Benzoic acid	Lin2		0.1300		35000	50000	-30.1*	20.0
2,4-Dichlorophenol	Ave	0.2931	0.3023	0.2000	51600	50000	3.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3681	0.3691		50100	50000	0.3	20.0
Naphthalene	Ave	0.9745	0.9949	0.7000	51100	50000	2.1	20.0
4-Chloroaniline	Ave	0.3960	0.3206	0.0100	40500	50000	-19.0	20.0
Hexachlorobutadiene	Ave	0.1957	0.2084	0.0100	53300	50000	6.5	20.0
4-Chloro-3-methylphenol	Ave	0.2354	0.2234		47500	50000	-5.1	20.0
2-Methylnaphthalene	Ave	0.6790	0.6691	0.4000	49300	50000	-1.5	20.0
1-Methylnaphthalene	Ave	0.6343	0.6129	0.0100	48300	50000	-3.4	20.0
Hexachlorocyclopentadiene	Ave	0.4033	0.4183	0.0500	51900	50000	3.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5711	0.6332	0.0100	55400	50000	10.9	20.0
2-tertbutyl-4-methylphenol	Ave	0.4810	0.4373	0.0100	45500	50000	-9.1	20.0
2,4,6-Trichlorophenol	Ave	0.3708	0.3849	0.2000	51900	50000	3.8	20.0
2,4,5-Trichlorophenol	Ave	0.3877	0.3884	0.2000	50100	50000	0.2	20.0
1,1'-Biphenyl	Ave	1.498	1.667	0.0100	55600	50000	11.3	20.0
2-Chloronaphthalene	Ave	1.169	1.248	0.8000	53400	50000	6.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386190/2 Calibration Date: 08/23/2016 07:24

Instrument ID: CBNAMS12 Calib Start Date: 08/12/2016 12:30

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/12/2016 16:00

Lab File ID: L1357798.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8178	0.8534	0.0100	52200	50000	4.4	20.0
2-Nitroaniline	Ave	0.3262	0.2550	0.0100	39100	50000	-21.8*	20.0
1,3-Dimethylnaphthalene	Ave	0.9817	1.037	0.0100	52800	50000	5.7	20.0
Dimethyl phthalate	Ave	1.225	1.148	0.0100	46900	50000	-6.3	20.0
Coumarin	Ave	0.2198	0.1646	0.0100	37400	50000	-25.1*	20.0
2,6-Dinitrotoluene	Ave	0.2845	0.2677	0.2000	47100	50000	-5.9	20.0
Acenaphthylene	Ave	1.727	1.775	0.9000	51400	50000	2.8	20.0
3-Nitroaniline	Ave	0.2861	0.2533	0.0100	44300	50000	-11.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.065	1.027	0.0100	48200	50000	-3.5	20.0
Acenaphthene	Ave	1.149	1.135	0.9000	49400	50000	-1.2	20.0
2,4-Dinitrophenol	Qua		0.1458	0.0100	76900	100000	-23.1*	20.0
4-Nitrophenol	Lin2		0.0827	0.0100	52200	100000	-47.8*	20.0
2,4-Dinitrotoluene	Lin2		0.3345	0.2000	44100	50000	-11.8	20.0
Dibenzofuran	Ave	1.641	1.621	0.8000	49400	50000	-1.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3111	0.2791	0.0100	44900	50000	-10.3	20.0
Diethyl phthalate	Ave	1.188	1.059	0.0100	44600	50000	-10.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.6046	0.5767	0.4000	47700	50000	-4.6	20.0
Fluorene	Ave	1.314	1.290	0.9000	49100	50000	-1.8	20.0
4-Nitroaniline	Ave	0.2808	0.2047	0.0100	36500	50000	-27.1*	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1374	0.0100	88300	100000	-11.7	20.0
N-Nitrosodiphenylamine	Ave	0.5902	0.6577	0.0100	55700	50000	11.4	20.0
1,2-Diphenylhydrazine	Ave	0.6773	0.7952	0.0100	58700	50000	17.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2304	0.2565	0.1000	55700	50000	11.3	20.0
Hexachlorobenzene	Ave	0.2492	0.2661	0.1000	53400	50000	6.8	20.0
Pentachlorophenol	Lin2		0.1209	0.0500	77800	100000	-22.2*	20.0
Pentachloronitrobenzene	Ave	0.0987	0.1063	0.0100	53800	50000	7.7	20.0
n-Octadecane	Ave	0.3603	0.3962	0.0100	55000	50000	9.9	20.0
Phenanthrene	Ave	1.123	1.173	0.7000	52200	50000	4.4	20.0
Anthracene	Ave	1.164	1.231	0.7000	52900	50000	5.8	20.0
Carbazole	Ave	0.9822	0.9680	0.0100	49300	50000	-1.5	20.0
Di-n-butyl phthalate	Ave	1.187	1.121	0.0100	47200	50000	-5.5	20.0
Fluoranthene	Ave	1.136	1.036	0.6000	45600	50000	-8.8	20.0
Benzidine	Ave	0.7294	0.4463		30600	50000	-38.8*	20.0
Pyrene	Ave	1.431	1.568	0.6000	54800	50000	9.5	20.0
Bisphenol-A	Ave	0.5752	0.1565		13600	50000	-72.8*	20.0
Butyl benzyl phthalate	Ave	0.6118	0.6134	0.0100	50100	50000	0.3	20.0
2,3,7,8-TCDD	Ave	0.2226	0.1919	0.0100	431	500	-13.8	20.0
Carbamazepine	Ave	0.5467	0.4598	0.0100	42100	50000	-15.9	20.0
3,3'-Dichlorobenzidine	Ave	0.4626	0.4224	0.0100	45700	50000	-8.7	20.0
Benzo[a]anthracene	Ave	1.200	1.230	0.8000	51200	50000	2.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386190/2 Calibration Date: 08/23/2016 07:24

Instrument ID: CBNAMS12 Calib Start Date: 08/12/2016 12:30

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/12/2016 16:00

Lab File ID: L1357798.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.131	1.131	0.7000	50000	50000	0.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8829	0.8116	0.0100	46000	50000	-8.1	20.0
Di-n-octyl phthalate	Ave	1.565	1.405	0.0100	44900	50000	-10.2	20.0
Benzo[b]fluoranthene	Ave	1.152	1.224	0.7000	53100	50000	6.3	20.0
Benzo[k]fluoranthene	Ave	1.208	1.233	0.7000	51000	50000	2.1	20.0
Benzo[a]pyrene	Ave	1.092	1.149	0.7000	52600	50000	5.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.190	1.253	0.5000	52600	50000	5.3	20.0
Dibenz(a,h)anthracene	QuaF		1.197	0.4000	50900	50000	1.8	20.0
Benzo[g,h,i]perylene	Ave	1.042	1.234	0.5000	59200	50000	18.4	20.0
2-Fluorophenol (Surr)	Ave	1.117	1.137		50900	50000	1.7	20.0
Phenol-d5 (Surr)	Ave	1.283	1.253		48800	50000	-2.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3503	0.3417		48800	50000	-2.5	20.0
2-Fluorobiphenyl	Ave	1.447	1.572		54300	50000	8.7	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1811		39900	50000	-20.2*	20.0
Terphenyl-d14 (Surr)	Ave	1.067	1.105		51800	50000	3.5	20.0

Report Date: 23-Aug-2016 17:00:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357798.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 07:24:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-002
Operator ID: BNA 12 Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:00:00 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: nimerd Date: 23-Aug-2016 07:53:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.540	1.540	0.000	91	425112	50.0	51.0	
2 N-Nitrosodimethylamine	74	1.769	1.769	0.000	74	577280	50.0	46.6	
3 Pyridine	79	1.799	1.799	0.000	92	823319	50.0	37.4	
$ 4 2-Fluorophenol	112	2.940	2.940	0.000	94	1093845	50.0	50.9	
$ 6 Phenol-d5	99	3.869	3.869	0.000	89	1205545	50.0	48.8	
7 Phenol	94	3.887	3.887	0.000	98	1279766	50.0	51.9	
8 Aniline	93	3.898	3.898	0.000	96	1348679	50.0	42.6	
9 Bis(2-chloroethyl)ether	93	3.963	3.963	0.000	98	1027621	50.0	52.4	
10 2-Chlorophenol	128	4.022	4.022	0.000	95	1159983	50.0	49.6	
11 n-Decane	43	4.075	4.075	0.000	85	999491	50.0	47.8	
12 1,3-Dichlorobenzene	146	4.175	4.175	0.000	95	1456403	50.0	50.4	
* 13 1,4-Dichlorobenzene-d4	152	4.228	4.228	0.000	95	769934	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.245	4.245	0.000	95	1463748	50.0	50.6	
15 Benzyl alcohol	108	4.369	4.369	0.000	93	543604	50.0	40.8	
16 1,2-Dichlorobenzene	146	4.398	4.398	0.000	96	1354239	50.0	49.9	
17 2-Methylphenol	108	4.492	4.492	0.000	88	891580	50.0	48.5	
18 2,2'-oxybis[1-chloropropan	45	4.510	4.510	0.000	84	898529	50.0	40.4	
22 Acetophenone	105	4.640	4.640	0.000	93	1340402	50.0	47.2	
21 N-Nitrosodi-n-propylamine	70	4.645	4.645	0.000	89	607565	50.0	43.8	
20 3 & 4 Methylphenol	108	4.651	4.651	0.000	95	943328	50.0	45.6	
19 4-Methylphenol	108	4.651	4.651	0.000	95	943328	50.0	45.6	
25 Hexachloroethane	117	4.739	4.739	0.000	90	538788	50.0	52.0	
$ 26 Nitrobenzene-d5	82	4.792	4.792	0.000	88	1028307	50.0	48.8	
27 Nitrobenzene	77	4.810	4.810	0.000	95	1353336	50.0	50.9	
28 n,n'-Dimethylaniline	120	4.816	4.816	0.000	92	1601008	50.0	47.3	
29 Isophorone	82	5.051	5.051	0.000	97	1462884	50.0	45.2	
30 2-Nitrophenol	139	5.128	5.128	0.000	93	588833	50.0	50.6	
31 2,4-Dimethylphenol	122	5.187	5.187	0.000	91	854661	50.0	49.8	
32 Bis(2-chloroethoxy)methane	93	5.275	5.275	0.000	99	922493	50.0	45.8	
33 Benzoic acid	122	5.316	5.316	0.000	89	391325	50.0	35.0	
34 2,4-Dichlorophenol	162	5.381	5.381	0.000	95	909847	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.463	5.463	0.000	94	1110657	50.0	50.1	
* 36 Naphthalene-d8	136	5.516	5.516	0.000	99	2407618	40.0	40.0	
37 Naphthalene	128	5.534	5.534	0.000	99	2994255	50.0	51.1	
38 4-Chloroaniline	127	5.622	5.622	0.000	98	964708	50.0	40.5	
39 Hexachlorobutadiene	225	5.669	5.669	0.000	92	627311	50.0	53.3	
41 4-Chloro-3-methylphenol	107	6.092	6.092	0.000	93	672361	50.0	47.5	
42 2-Methylnaphthalene	142	6.234	6.234	0.000	84	2013610	50.0	49.3	
43 1-Methylnaphthalene	142	6.328	6.328	0.000	92	1844550	50.0	48.3	
44 Hexachlorocyclopentadiene	237	6.398	6.398	0.000	94	599555	50.0	51.9	
45 1,2,4,5-Tetrachlorobenzene	216	6.404	6.404	0.000	95	907667	50.0	55.4	
46 2-tertbutyl-4-methylphenol	149	6.445	6.445	0.000	92	1316056	50.0	45.5	
48 2,4,6-Trichlorophenol	196	6.522	6.522	0.000	91	551671	50.0	51.9	
49 2,4,5-Trichlorophenol	196	6.557	6.557	0.000	97	556713	50.0	50.1	
$ 50 2-Fluorobiphenyl	172	6.604	6.604	0.000	97	2253157	50.0	54.3	
51 1,1'-Biphenyl	154	6.698	6.698	0.000	96	2389644	50.0	55.6	
52 2-Chloronaphthalene	162	6.716	6.716	0.000	98	1789285	50.0	53.4	
53 Phenyl ether	170	6.804	6.804	0.000	84	1223212	50.0	52.2	
54 2-Nitroaniline	65	6.822	6.822	0.000	93	365447	50.0	39.1	
55 1,3-Dimethylnaphthalene	156	6.933	6.933	0.000	93	1486873	50.0	52.8	
58 Dimethyl phthalate	163	7.010	7.010	0.000	99	1644848	50.0	46.9	
59 Coumarin	146	7.022	7.022	0.000	78	495251	50.0	37.4	
60 2,6-Dinitrotoluene	165	7.063	7.063	0.000	95	383772	50.0	47.1	
61 Acenaphthylene	152	7.128	7.128	0.000	97	2543765	50.0	51.4	
62 3-Nitroaniline	138	7.233	7.233	0.000	96	363070	50.0	44.3	
* 63 Acenaphthene-d10	164	7.269	7.269	0.000	93	1146706	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.298	7.298	0.000	97	1471981	50.0	48.2	
65 Acenaphthene	154	7.298	7.298	0.000	95	1626666	50.0	49.4	
66 2,4-Dinitrophenol	184	7.333	7.333	0.000	94	418017	100.0	76.9	
67 4-Nitrophenol	65	7.416	7.416	0.000	85	236924	100.0	52.2	
68 2,4-Dinitrotoluene	165	7.457	7.457	0.000	96	479404	50.0	44.1	
69 Dibenzofuran	168	7.469	7.469	0.000	96	2323709	50.0	49.4	
70 2,3,4,6-Tetrachlorophenol	232	7.598	7.598	0.000	93	399981	50.0	44.9	
71 Diethyl phthalate	149	7.704	7.704	0.000	98	1517691	50.0	44.6	
73 4-Chlorophenyl phenyl ethe	204	7.810	7.810	0.000	76	826614	50.0	47.7	
74 Fluorene	166	7.810	7.810	0.000	93	1848679	50.0	49.1	
75 4-Nitroaniline	138	7.833	7.833	0.000	81	293412	50.0	36.5	
76 4,6-Dinitro-2-methylphenol	198	7.863	7.863	0.000	90	506202	100.0	88.3	
77 N-Nitrosodiphenylamine	169	7.928	7.928	0.000	70	1211856	50.0	55.7	
78 1,2-Diphenylhydrazine	77	7.963	7.963	0.000	98	1465133	50.0	58.7	
$ 79 2,4,6-Tribromophenol	330	8.045	8.045	0.000	94	259625	50.0	39.9	
80 4-Bromophenyl phenyl ether	248	8.286	8.286	0.000	89	472602	50.0	55.7	
81 Hexachlorobenzene	284	8.357	8.357	0.000	98	490291	50.0	53.4	
83 Pentachlorophenol	266	8.551	8.551	0.000	91	445403	100.0	77.8	
84 Pentachloronitrobenzene	237	8.563	8.563	0.000	85	195763	50.0	53.8	
72 n-Octadecane	57	8.639	8.639	0.000	93	729903	50.0	55.0	
* 85 Phenanthrene-d10	188	8.727	8.727	0.000	98	1474011	40.0	40.0	
86 Phenanthrene	178	8.751	8.751	0.000	97	2160658	50.0	52.2	
87 Anthracene	178	8.804	8.804	0.000	99	2268752	50.0	52.9	
88 Carbazole	167	8.963	8.963	0.000	96	1783459	50.0	49.3	
89 Di-n-butyl phthalate	149	9.310	9.310	0.000	99	2065882	50.0	47.2	
90 Fluoranthene	202	9.916	9.916	0.000	98	1909461	50.0	45.6	
91 Benzidine	184	10.057	10.057	0.000	99	822250	50.0	30.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.139	10.139	0.000	97	1866477	50.0	54.8	
93 Bisphenol-A	213	10.216	10.216	0.000	99	186284	50.0	13.6	M
$ 94 Terphenyl-d14	244	10.298	10.298	0.000	99	1315656	50.0	51.8	
95 Butyl benzyl phthalate	149	10.821	10.821	0.000	97	730407	50.0	50.1	
96 2,3,7,8-TCDD	320	10.927	10.927	0.000	30	2285	0.5000	0.4311	
97 Carbamazepine	193	10.939	10.939	0.000	90	547534	50.0	42.1	
98 3,3'-Dichlorobenzidine	252	11.433	11.433	0.000	99	502983	50.0	45.7	
99 Benzo[a]anthracene	228	11.457	11.457	0.000	98	1464645	50.0	51.2	
* 100 Chrysene-d12	240	11.468	11.468	0.000	99	952579	40.0	40.0	
101 Chrysene	228	11.498	11.498	0.000	98	1347055	50.0	50.0	
102 Bis(2-ethylhexyl) phthalat	149	11.510	11.510	0.000	86	966386	50.0	46.0	
103 Di-n-octyl phthalate	149	12.357	12.357	0.000	96	1557114	50.0	44.9	
104 Benzo[b]fluoranthene	252	12.851	12.851	0.000	98	1356831	50.0	53.1	
105 Benzo[k]fluoranthene	252	12.886	12.886	0.000	98	1367180	50.0	51.0	
106 Benzo[a]pyrene	252	13.292	13.292	0.000	97	1273956	50.0	52.6	
* 107 Perylene-d12	264	13.368	13.368	0.000	99	886778	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.809	14.809	0.000	98	1389326	50.0	52.6	
109 Dibenz(a,h)anthracene	278	14.839	14.839	0.000	96	1326633	50.0	50.9	
110 Benzo[g,h,i]perylene	276	15.156	15.156	0.000	97	1367511	50.0	59.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L6_00020 Amount Added: 1.00 Units: mL

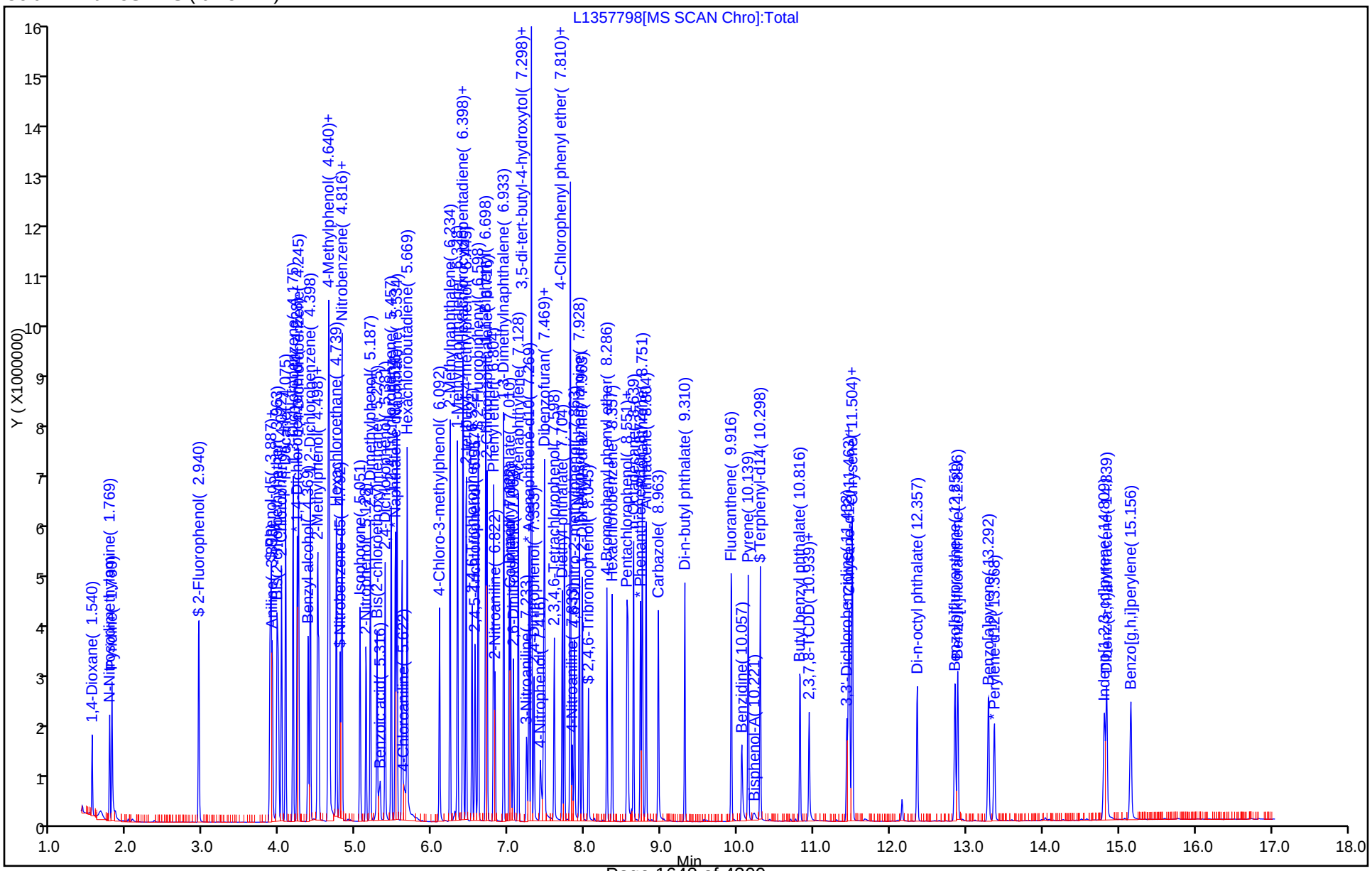
Report Date: 23-Aug-2016 17:00:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357798.D

Injection Date:	23-Aug-2016 07:24:30	Instrument ID:	CBNAMS12	Operator ID:	BNA 12
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

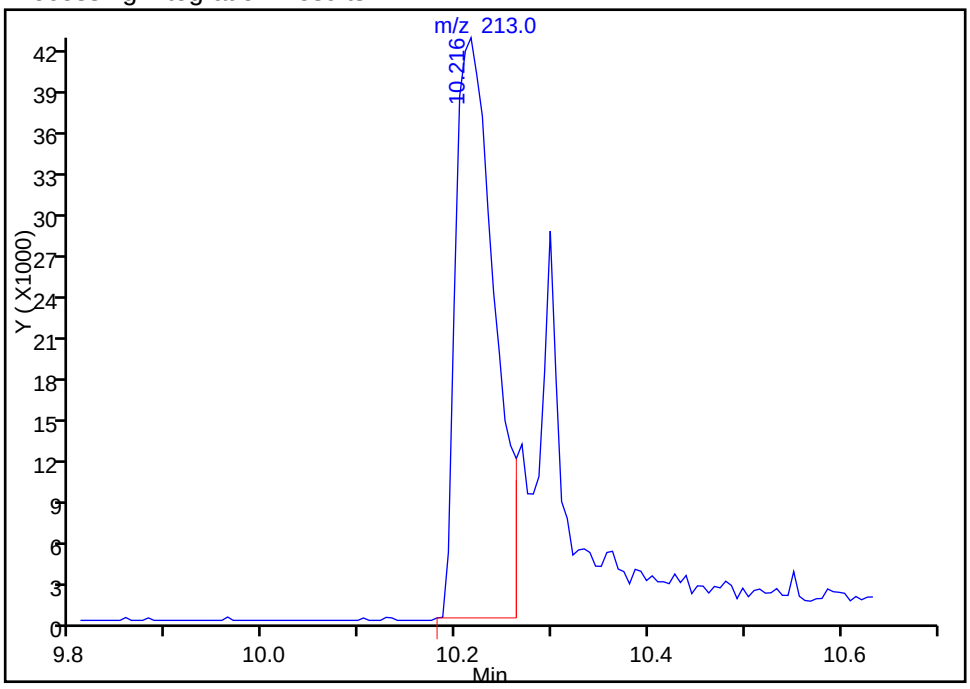
Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357798.D				
Injection Date:	23-Aug-2016 07:24:30	Instrument ID:	CBNAMS12		
Lims ID:	ccvis				
Client ID:					
Operator ID:	BNA 12	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

93 Bisphenol-A, CAS: 80-05-7

Signal: 1

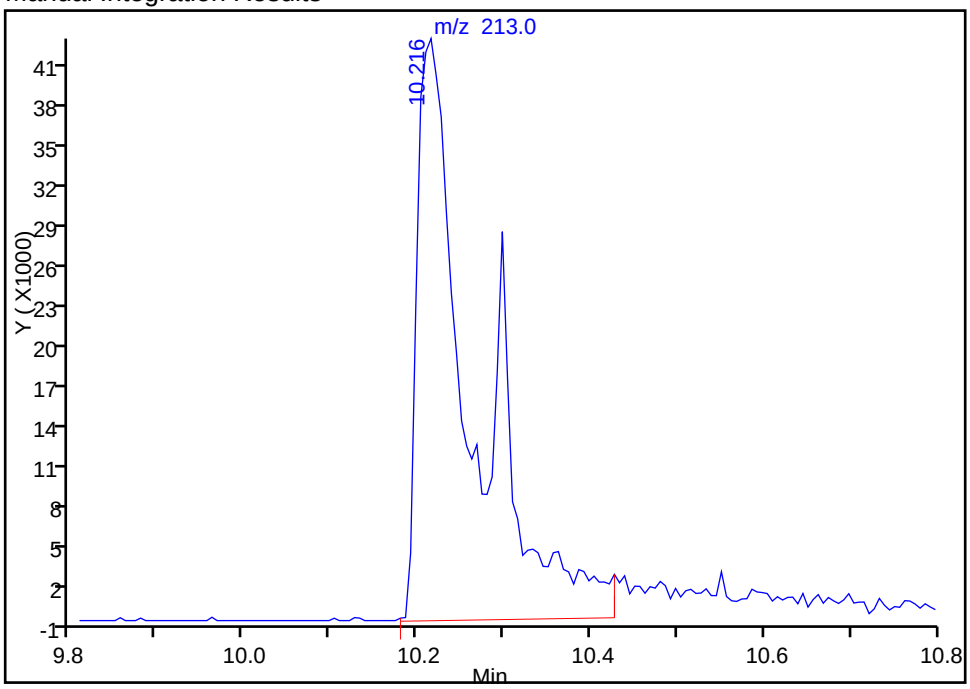
Processing Integration Results

RT: 10.22
Area: 118069
Amount: 8.619850
Amount Units: ug/ml



Manual Integration Results

RT: 10.22
Area: 186284
Amount: 13.600014
Amount Units: ug/ml



Reviewer: nimerd, 23-Aug-2016 07:53:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-386065/18 Calibration Date: 08/22/2016 19:03

Instrument ID: CBNAMS5 Calib Start Date: 08/22/2016 12:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/22/2016 15:49

Lab File ID: x17321.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6221	0.6255	0.0100	25100	25000	0.6	30.0
N-Nitrosodimethylamine	Ave	0.8452	0.7461		22100	25000	-11.7	30.0
Pyridine	Ave	1.493	1.560		26100	25000	4.5	30.0
Phenol	Ave	1.572	1.627	0.8000	25900	25000	3.5	30.0
Aniline	Ave	2.014	2.007		24900	25000	-0.4	30.0
Bis(2-chloroethyl)ether	Ave	1.261	1.277	0.7000	25300	25000	1.3	30.0
2-Chlorophenol	Ave	1.363	1.355	0.8000	24900	25000	-0.5	30.0
n-Decane	Ave	1.480	1.693	0.0100	28600	25000	14.3	30.0
1,3-Dichlorobenzene	Ave	1.560	1.561		25000	25000	0.0	30.0
1,4-Dichlorobenzene	Ave	1.560	1.613		25900	25000	3.5	30.0
Benzyl alcohol	Ave	0.6980	0.7894	0.0100	28300	25000	13.1	30.0
1,2-Dichlorobenzene	Ave	1.449	1.470		25400	25000	1.4	30.0
2-Methylphenol	Ave	1.122	1.193	0.7000	26600	25000	6.3	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.523	1.725	0.0100	28300	25000	13.3	30.0
3 & 4 Methylphenol	Ave	1.208	1.318		27300	25000	9.1	30.0
4-Methylphenol	Ave	1.208	1.318	0.6000	27300	25000	9.1	30.0
Acetophenone	Ave	1.580	1.698	0.0100	26900	25000	7.5	30.0
N-Nitrosodi-n-propylamine	Ave	0.8606	0.9474	0.5000	27500	25000	10.1	30.0
Hexachloroethane	Ave	0.5719	0.6221	0.3000	27200	25000	8.8	30.0
n,n'-Dimethylaniline	Ave	1.896	2.039	0.0100	26900	25000	7.5	30.0
Nitrobenzene	Ave	0.5449	0.5782	0.2000	26500	25000	6.1	30.0
Isophorone	Ave	0.6492	0.6827	0.4000	26300	25000	5.1	30.0
2-Nitrophenol	Ave	0.2026	0.1910	0.1000	23600	25000	-5.7	30.0
2,4-Dimethylphenol	Ave	0.3065	0.3125	0.2000	25500	25000	2.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.4018	0.4069	0.3000	25300	25000	1.3	30.0
Benzoic acid	Ave	0.1990	0.2084		26200	25000	4.7	30.0
2,4-Dichlorophenol	Ave	0.2856	0.2941	0.2000	25700	25000	3.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3469	0.3288		23700	25000	-5.2	30.0
Naphthalene	Ave	1.047	1.083	0.7000	25900	25000	3.5	30.0
4-Chloroaniline	Ave	0.4174	0.4218	0.0100	25300	25000	1.0	30.0
Hexachlorobutadiene	Ave	0.2011	0.2002	0.0100	24900	25000	-0.4	30.0
4-Chloro-3-methylphenol	Ave	0.2543	0.2719		26700	25000	6.9	30.0
2-Methylnaphthalene	Ave	0.6569	0.6661	0.4000	25300	25000	1.4	30.0
1-Methylnaphthalene	Ave	0.6041	0.6228	0.0100	25800	25000	3.1	30.0
Hexachlorocyclopentadiene	Ave	0.4271	0.3733	0.0500	21800	25000	-12.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6637	0.6551	0.0100	24700	25000	-1.3	30.0
2-tertbutyl-4-methylphenol	Ave	0.4495	0.4785	0.0100	26600	25000	6.4	30.0
2,4,6-Trichlorophenol	Ave	0.4115	0.4006	0.2000	24300	25000	-2.7	30.0
2,4,5-Trichlorophenol	Ave	0.4006	0.4099	0.2000	25600	25000	2.3	30.0
1,1'-Biphenyl	Ave	1.562	1.588	0.0100	25400	25000	1.7	30.0
2-Chloronaphthalene	Ave	1.219	1.186	0.8000	24300	25000	-2.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-386065/18 Calibration Date: 08/22/2016 19:03

Instrument ID: CBNAMS5 Calib Start Date: 08/22/2016 12:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/22/2016 15:49

Lab File ID: x17321.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8747	0.8954	0.0100	25600	25000	2.4	30.0
2-Nitroaniline	Ave	0.4101	0.4549	0.0100	27700	25000	10.9	30.0
1,3-Dimethylnaphthalene	Ave	1.030	1.076	0.0100	26100	25000	4.5	30.0
Dimethyl phthalate	Ave	1.166	1.148	0.0100	24600	25000	-1.6	30.0
Coumarin	Ave	0.1784	0.1898	0.0100	26600	25000	6.3	30.0
2,6-Dinitrotoluene	Ave	0.2655	0.2726	0.2000	25700	25000	2.7	30.0
Acenaphthylene	Ave	1.748	1.846	0.9000	26400	25000	5.6	30.0
3-Nitroaniline	Ave	0.2831	0.2807	0.0100	24800	25000	-0.9	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.242	1.261	0.0100	25400	25000	1.5	30.0
Acenaphthene	Ave	1.167	1.271	0.9000	27200	25000	8.9	30.0
2,4-Dinitrophenol	Lin2		0.1564	0.0100	46300	50000	-7.4	30.0
4-Nitrophenol	Ave	0.1867	0.2154	0.0100	57700	50000	15.4	30.0
2,4-Dinitrotoluene	Ave	0.3149	0.3249	0.2000	25800	25000	3.2	30.0
Dibenzofuran	Ave	1.617	1.594	0.8000	24600	25000	-1.4	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3252	0.3187	0.0100	24500	25000	-2.0	30.0
Diethyl phthalate	Ave	1.056	1.077	0.0100	25500	25000	2.0	30.0
4-Chlorophenyl phenyl ether	Ave	0.6298	0.6531	0.4000	25900	25000	3.7	30.0
Fluorene	Ave	1.236	1.320	0.9000	26700	25000	6.8	30.0
4-Nitroaniline	Ave	0.2420	0.2592	0.0100	26800	25000	7.1	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1373	0.0100	45000	50000	-10.0	30.0
N-Nitrosodiphenylamine	Ave	0.6505	0.6372	0.0100	24500	25000	-2.0	30.0
1,2-Diphenylhydrazine	Ave	0.9387	1.027	0.0100	27400	25000	9.4	30.0
4-Bromophenyl phenyl ether	Ave	0.2896	0.2644	0.1000	22800	25000	-8.7	30.0
Hexachlorobenzene	Ave	0.2885	0.2869	0.1000	24900	25000	-0.6	30.0
Pentachlorophenol	Ave	0.1745	0.1839	0.0500	52700	50000	5.4	30.0
Pentachloronitrobenzene	Ave	0.0994	0.1062	0.0100	26700	25000	6.9	30.0
n-Octadecane	Ave	0.5465	0.5996	0.0100	27400	25000	9.7	30.0
Phenanthrene	Ave	1.128	1.142	0.7000	25300	25000	1.3	30.0
Anthracene	Ave	1.159	1.164	0.7000	25100	25000	0.5	30.0
Carbazole	Ave	0.9232	0.9119	0.0100	24700	25000	-1.2	30.0
Di-n-butyl phthalate	Ave	1.067	1.107	0.0100	25900	25000	3.8	30.0
Fluoranthene	Ave	0.9729	0.9659	0.6000	24800	25000	-0.7	30.0
Benzidine	Ave	0.3926	0.3483		22200	25000	-11.3	30.0
Pyrene	Ave	1.592	1.659	0.6000	26100	25000	4.2	30.0
Bisphenol-A	Lin2		0.4530		36200	25000	44.6*	30.0
Butyl benzyl phthalate	Ave	0.5539	0.5845	0.0100	26400	25000	5.5	30.0
Carbamazepine	Ave	0.3731	0.3782	0.0100	25300	25000	1.4	30.0
3,3'-Dichlorobenzidine	Ave	0.3671	0.3739	0.0100	25500	25000	1.8	30.0
Benzo[a]anthracene	Ave	1.128	1.135	0.8000	25200	25000	0.7	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7522	0.7867	0.0100	26100	25000	4.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-386065/18 Calibration Date: 08/22/2016 19:03

Instrument ID: CBNAMS5 Calib Start Date: 08/22/2016 12:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/22/2016 15:49

Lab File ID: x17321.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.074	1.111	0.7000	25900	25000	3.5	30.0
Di-n-octyl phthalate	Ave	1.410	1.420	0.0100	25200	25000	0.7	30.0
Benzo[b]fluoranthene	Ave	1.116	1.105	0.7000	24800	25000	-0.9	30.0
Benzo[k]fluoranthene	Ave	1.261	1.470	0.7000	29100	25000	16.6	30.0
Benzo[a]pyrene	Ave	1.003	1.034	0.7000	25800	25000	3.1	30.0
Indeno[1,2,3-cd]pyrene	QuaF		1.030	0.5000	28900	25000	15.4	30.0
Dibenz(a,h)anthracene	QuaF		0.8376	0.4000	22700	25000	-9.1	30.0
Benzo[g,h,i]perylene	Ave	0.8778	0.9689	0.5000	27600	25000	10.4	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17321.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 22-Aug-2016 19:03:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-018
Operator ID: Instrument ID: CBNAMS5
Sublist:

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:18:46 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: bayoumiw Date: 22-Aug-2016 19:55:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.910	1.893	0.017	96	175918	25.0	25.1	
2 N-Nitrosodimethylamine	74	2.140	2.134	0.006	83	209816	25.0	22.1	
3 Pyridine	79	2.181	2.163	0.018	93	438610	25.0	26.1	
7 Phenol	94	4.234	4.245	-0.011	99	457658	25.0	25.9	
8 Aniline	93	4.269	4.275	-0.006	99	564481	25.0	24.9	
9 Bis(2-chloroethyl)ether	93	4.328	4.334	-0.006	98	359209	25.0	25.3	
10 Benzonitrile	103	4.351	4.363	-0.012	67	717461	NC	NC	
11 2-Chlorophenol	128	4.393	4.398	-0.005	93	381181	25.0	24.9	
12 n-Decane	43	4.440	4.439	0.001	90	476007	25.0	28.6	
13 1,3-Dichlorobenzene	146	4.546	4.551	-0.005	94	438925	25.0	25.0	
* 14 1,4-Dichlorobenzene-d4	152	4.598	4.598	0.000	98	449975	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.616	4.616	0.000	94	453770	25.0	25.9	
16 Benzyl alcohol	108	4.728	4.739	-0.011	91	222011	25.0	28.3	
17 1,2-Dichlorobenzene	146	4.769	4.775	-0.006	94	413318	25.0	25.4	
18 2-Methylphenol	108	4.840	4.845	-0.005	87	335416	25.0	26.6	
19 2,2'-oxybis[1-chloropropan	45	4.869	4.875	-0.006	93	485176	25.0	28.3	
20 N-Methylaniline	106	4.993	4.992	0.001	86	559124	NC	NC	
23 3 & 4 Methylphenol	108	4.998	5.004	-0.006	88	370535	25.0	27.3	
24 4-Methylphenol	108	4.998	5.004	-0.006	84	370535	25.0	27.3	
21 Acetophenone	105	5.004	5.010	-0.006	92	477580	25.0	26.9	
22 N-Nitrosodi-n-propylamine	70	5.004	5.010	-0.006	91	266436	25.0	27.5	
25 Hexachloroethane	117	5.116	5.116	0.000	94	174942	25.0	27.2	
28 Nitrobenzene	77	5.175	5.181	-0.006	92	555087	25.0	26.5	
27 n,n'-Dimethylaniline	120	5.175	5.181	-0.006	93	573502	25.0	26.9	
31 Isophorone	82	5.410	5.422	-0.012	99	655437	25.0	26.3	
32 2-Nitrophenol	139	5.493	5.492	0.001	86	183383	25.0	23.6	
33 2,4-Dimethylphenol	122	5.534	5.534	0.000	90	300059	25.0	25.5	
34 Bis(2-chloroethoxy)methane	93	5.628	5.628	0.000	100	390629	25.0	25.3	
35 Benzoic acid	122	5.645	5.675	-0.030	90	200073	25.0	26.2	
36 2,4-Dichlorophenol	162	5.734	5.739	-0.005	95	282313	25.0	25.7	
37 1,2,4-Trichlorobenzene	180	5.822	5.822	0.000	94	315631	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 38 Naphthalene-d8	136	5.881	5.875	0.006	100	1536148	40.0	40.0	
39 Naphthalene	128	5.898	5.904	-0.006	100	1040234	25.0	25.9	
40 4-Chloroaniline	127	5.951	5.957	-0.006	96	404916	25.0	25.3	
41 Hexachlorobutadiene	225	6.034	6.033	0.001	96	192221	25.0	24.9	
43 4-Chloro-3-methylphenol	107	6.428	6.433	-0.005	96	261083	25.0	26.7	
44 2-Methylnaphthalene	142	6.592	6.592	0.000	84	639494	25.0	25.3	
45 1-Methylnaphthalene	142	6.692	6.692	0.000	93	597950	25.0	25.8	
46 Hexachlorocyclopentadiene	237	6.757	6.757	0.000	96	176227	25.0	21.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.763	6.769	-0.006	97	309268	25.0	24.7	
48 2-tertbutyl-4-methylphenol	149	6.787	6.786	0.001	91	459366	25.0	26.6	
49 2,4,6-Trichlorophenol	196	6.869	6.875	-0.006	89	189134	25.0	24.3	
50 2,4,5-Trichlorophenol	196	6.904	6.910	-0.006	96	193507	25.0	25.6	
52 1,1'-Biphenyl	154	7.057	7.057	0.000	95	749759	25.0	25.4	
53 2-Chloronaphthalene	162	7.075	7.080	-0.005	96	560174	25.0	24.3	
54 Phenyl ether	170	7.163	7.163	0.000	88	422739	25.0	25.6	
56 2-Nitroaniline	65	7.175	7.180	-0.005	98	214777	25.0	27.7	
57 1,3-Dimethylnaphthalene	156	7.292	7.298	-0.006	93	508117	25.0	26.1	
58 Dimethyl phthalate	163	7.357	7.363	-0.006	99	541812	25.0	24.6	
59 Coumarin	146	7.381	7.386	-0.005	73	182185	25.0	26.6	
60 2,6-Dinitrotoluene	165	7.410	7.416	-0.006	95	128709	25.0	25.7	
61 Acenaphthylene	152	7.492	7.492	0.000	97	871658	25.0	26.4	
64 3-Nitroaniline	138	7.581	7.586	-0.005	94	132514	25.0	24.8	
* 65 Acenaphthene-d10	164	7.634	7.628	0.006	94	755408	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.645	7.651	-0.006	97	595524	25.0	25.4	
67 Acenaphthene	154	7.663	7.669	-0.006	95	600047	25.0	27.2	
68 2,4-Dinitrophenol	184	7.681	7.686	-0.005	80	147703	50.0	46.3	
69 4-Nitrophenol	65	7.739	7.745	-0.006	93	203370	50.0	57.7	
70 2,4-Dinitrotoluene	165	7.810	7.816	-0.006	93	153404	25.0	25.8	
71 Dibenzofuran	168	7.834	7.839	-0.005	95	752764	25.0	24.6	
72 2,3,4,6-Tetrachlorophenol	232	7.951	7.957	-0.006	94	150467	25.0	24.5	
73 Diethyl phthalate	149	8.051	8.057	-0.006	98	508678	25.0	25.5	
74 4-Chlorophenyl phenyl ethe	204	8.169	8.169	0.000	88	308349	25.0	25.9	
75 Fluorene	166	8.169	8.175	-0.006	97	623193	25.0	26.7	
76 4-Nitroaniline	138	8.186	8.192	-0.006	89	122376	25.0	26.8	
77 4,6-Dinitro-2-methylphenol	198	8.216	8.222	-0.006	85	173641	50.0	45.0	
78 N-Nitrosodiphenylamine	169	8.281	8.286	-0.005	68	402862	25.0	24.5	
79 1,2-Diphenylhydrazine	77	8.322	8.327	-0.005	98	649284	25.0	27.4	
81 4-Bromophenyl phenyl ether	248	8.651	8.651	0.000	93	167139	25.0	22.8	
83 Hexachlorobenzene	284	8.722	8.727	-0.005	97	181357	25.0	24.9	
85 Pentachlorophenol	266	8.910	8.916	-0.006	94	232545	50.0	52.7	
86 Pentachloronitrobenzene	237	8.928	8.933	-0.005	89	67161	25.0	26.7	
87 n-Octadecane	57	8.981	8.980	0.001	94	379107	25.0	27.4	
* 88 Phenanthrene-d10	188	9.098	9.098	0.000	99	1011586	40.0	40.0	
89 Phenanthrene	178	9.122	9.122	0.000	97	722043	25.0	25.3	
90 Anthracene	178	9.169	9.174	-0.005	98	736213	25.0	25.1	
91 Carbazole	167	9.322	9.327	-0.005	96	576551	25.0	24.7	
92 Di-n-butyl phthalate	149	9.657	9.663	-0.006	100	700004	25.0	25.9	
93 Fluoranthene	202	10.292	10.298	-0.006	98	610695	25.0	24.8	
94 Benzidine	184	10.416	10.421	-0.005	99	220190	25.0	22.2	
95 Pyrene	202	10.528	10.533	-0.005	97	598518	25.0	26.1	
82 Bisphenol-A	213	10.563	10.568	-0.005	99	163385	25.0	36.2	
97 Butyl benzyl phthalate	149	11.227	11.233	-0.006	98	210849	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	11.357	11.363	-0.006	92	136424	25.0	25.3	
100 3,3'-Dichlorobenzidine	252	11.880	11.886	-0.006	99	134855	25.0	25.5	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	98	409512	25.0	25.2	
* 102 Chrysene-d12	240	11.933	11.927	0.006	99	577132	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.945	11.951	-0.006	90	283779	25.0	26.1	
103 Chrysene	228	11.963	11.968	-0.005	99	400791	25.0	25.9	
105 Di-n-octyl phthalate	149	12.833	12.839	-0.006	98	335732	25.0	25.2	
106 Benzo[b]fluoranthene	252	13.374	13.380	-0.006	99	261309	25.0	24.8	
107 Benzo[k]fluoranthene	252	13.416	13.421	-0.005	99	347446	25.0	29.1	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	98	244444	25.0	25.8	
* 109 Perylene-d12	264	13.916	13.915	0.001	99	378256	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.551	15.562	-0.011	99	243466	25.0	28.9	
111 Dibenz(a,h)anthracene	278	15.592	15.598	-0.006	98	198016	25.0	22.7	
112 Benzo[g,h,i]perylene	276	16.015	16.027	-0.012	98	229045	25.0	27.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ICV-long_00011 Amount Added: 1.00 Units: mL

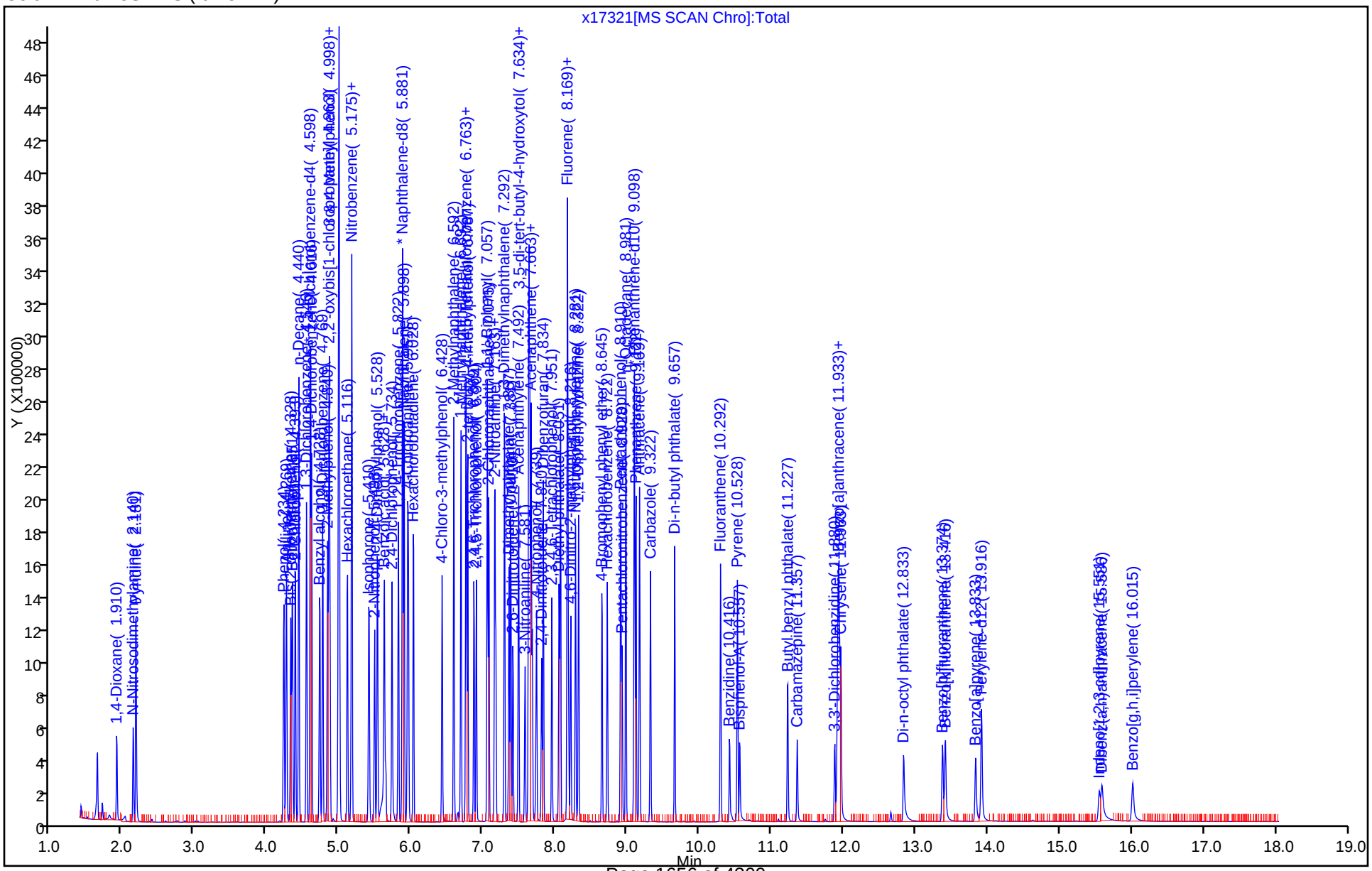
Report Date: 22-Aug-2016 20:18:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17321.D

Injection Date:	22-Aug-2016 19:03:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	icv			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386228/2 Calibration Date: 08/23/2016 08:45

Instrument ID: CBNAMS5 Calib Start Date: 08/22/2016 12:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/22/2016 15:49

Lab File ID: x17350.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6221	0.6018	0.0100	48400	50000	-3.3	20.0
N-Nitrosodimethylamine	Ave	0.8452	0.8521		50400	50000	0.8	20.0
Pyridine	Ave	1.493	1.481		49600	50000	-0.8	20.0
Phenol	Ave	1.572	1.719	0.8000	54700	50000	9.4	20.0
Aniline	Ave	2.014	2.092		51900	50000	3.8	20.0
Bis(2-chloroethyl)ether	Ave	1.261	1.298	0.7000	51500	50000	3.0	20.0
2-Chlorophenol	Ave	1.363	1.422	0.8000	52200	50000	4.3	20.0
n-Decane	Ave	1.480	1.344	0.0100	45400	50000	-9.2	20.0
1,3-Dichlorobenzene	Ave	1.560	1.585		50800	50000	1.6	20.0
1,4-Dichlorobenzene	Ave	1.560	1.578		50600	50000	1.2	20.0
Benzyl alcohol	Ave	0.6980	0.7829	0.0100	56100	50000	12.2	20.0
1,2-Dichlorobenzene	Ave	1.449	1.471		50700	50000	1.5	20.0
2-Methylphenol	Ave	1.122	1.232	0.7000	54900	50000	9.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.523	1.443	0.0100	47400	50000	-5.2	20.0
3 & 4 Methylphenol	Ave	1.208	1.244		51500	50000	3.0	20.0
4-Methylphenol	Ave	1.208	1.244	0.6000	51500	50000	3.0	20.0
Acetophenone	Ave	1.580	1.574	0.0100	49800	50000	-0.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.8606	0.8458	0.5000	49100	50000	-1.7	20.0
Hexachloroethane	Ave	0.5719	0.5734	0.3000	50100	50000	0.3	20.0
n,n'-Dimethylaniline	Ave	1.896	1.873	0.0100	49400	50000	-1.2	20.0
Nitrobenzene	Ave	0.5449	0.5234	0.2000	48000	50000	-3.9	20.0
Isophorone	Ave	0.6492	0.6265	0.4000	48200	50000	-3.5	20.0
2-Nitrophenol	Ave	0.2026	0.2115	0.1000	52200	50000	4.4	20.0
2,4-Dimethylphenol	Ave	0.3065	0.3269	0.2000	53300	50000	6.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.4018	0.4024	0.3000	50100	50000	0.1	20.0
Benzoic acid	Ave	0.1990	0.1945		48900	50000	-2.3	20.0
2,4-Dichlorophenol	Ave	0.2856	0.3137	0.2000	54900	50000	9.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3469	0.3620		52200	50000	4.4	20.0
Naphthalene	Ave	1.047	1.048	0.7000	50000	50000	0.0	20.0
4-Chloroaniline	Ave	0.4174	0.4145	0.0100	49700	50000	-0.7	20.0
Hexachlorobutadiene	Ave	0.2011	0.2064	0.0100	51300	50000	2.6	20.0
4-Chloro-3-methylphenol	Ave	0.2543	0.2673		52600	50000	5.1	20.0
2-Methylnaphthalene	Ave	0.6569	0.6500	0.4000	49500	50000	-1.1	20.0
1-Methylnaphthalene	Ave	0.6041	0.6078	0.0100	50300	50000	0.6	20.0
Hexachlorocyclopentadiene	Ave	0.4271	0.4519	0.0500	52900	50000	5.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6637	0.6614	0.0100	49800	50000	-0.4	20.0
2-tertbutyl-4-methylphenol	Ave	0.4495	0.4303	0.0100	47900	50000	-4.3	20.0
2,4,6-Trichlorophenol	Ave	0.4115	0.4266	0.2000	51800	50000	3.7	20.0
2,4,5-Trichlorophenol	Ave	0.4006	0.4466	0.2000	55700	50000	11.5	20.0
1,1'-Biphenyl	Ave	1.562	1.590	0.0100	50900	50000	1.8	20.0
2-Chloronaphthalene	Ave	1.219	1.245	0.8000	51100	50000	2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386228/2 Calibration Date: 08/23/2016 08:45

Instrument ID: CBNAMS5 Calib Start Date: 08/22/2016 12:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/22/2016 15:49

Lab File ID: x17350.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8747	0.8723	0.0100	49900	50000	-0.3	20.0
2-Nitroaniline	Ave	0.4101	0.3886	0.0100	47400	50000	-5.3	20.0
1,3-Dimethylnaphthalene	Ave	1.030	1.007	0.0100	48900	50000	-2.2	20.0
Dimethyl phthalate	Ave	1.166	1.148	0.0100	49200	50000	-1.5	20.0
Coumarin	Ave	0.1784	0.1682	0.0100	47100	50000	-5.7	20.0
2,6-Dinitrotoluene	Ave	0.2655	0.2792	0.2000	52600	50000	5.2	20.0
Acenaphthylene	Ave	1.748	1.764	0.9000	50400	50000	0.9	20.0
3-Nitroaniline	Ave	0.2831	0.2864	0.0100	50600	50000	1.2	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.242	1.189	0.0100	47900	50000	-4.3	20.0
Acenaphthene	Ave	1.167	1.114	0.9000	47700	50000	-4.6	20.0
2,4-Dinitrophenol	Lin2		0.1797	0.0100	103000	100000	3.0	20.0
4-Nitrophenol	Ave	0.1867	0.1750	0.0100	93700	100000	-6.3	20.0
2,4-Dinitrotoluene	Ave	0.3149	0.3289	0.2000	52200	50000	4.4	20.0
Dibenzofuran	Ave	1.617	1.606	0.8000	49600	50000	-0.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3252	0.3264	0.0100	50200	50000	0.4	20.0
Diethyl phthalate	Ave	1.056	1.001	0.0100	47400	50000	-5.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6298	0.6203	0.4000	49200	50000	-1.5	20.0
Fluorene	Ave	1.236	1.179	0.9000	47700	50000	-4.6	20.0
4-Nitroaniline	Ave	0.2420	0.2483	0.0100	51300	50000	2.6	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1617	0.0100	103000	100000	3.4	20.0
N-Nitrosodiphenylamine	Ave	0.6505	0.6721	0.0100	51700	50000	3.3	20.0
1,2-Diphenylhydrazine	Ave	0.9387	0.9060	0.0100	48300	50000	-3.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2896	0.3036	0.1000	52400	50000	4.9	20.0
Hexachlorobenzene	Ave	0.2885	0.3202	0.1000	55500	50000	11.0	20.0
Pentachlorophenol	Ave	0.1745	0.1838	0.0500	105000	100000	5.3	20.0
Pentachloronitrobenzene	Ave	0.0994	0.0952	0.0100	47900	50000	-4.3	20.0
n-Octadecane	Ave	0.5465	0.5566	0.0100	50900	50000	1.9	20.0
Phenanthrene	Ave	1.128	1.114	0.7000	49400	50000	-1.2	20.0
Anthracene	Ave	1.159	1.180	0.7000	50900	50000	1.8	20.0
Carbazole	Ave	0.9232	0.9106	0.0100	49300	50000	-1.4	20.0
Di-n-butyl phthalate	Ave	1.067	1.027	0.0100	48100	50000	-3.7	20.0
Fluoranthene	Ave	0.9729	0.9753	0.6000	50100	50000	0.2	20.0
Benzidine	Ave	0.3926	0.3934		50100	50000	0.2	20.0
Pyrene	Ave	1.592	1.616	0.6000	50800	50000	1.5	20.0
Bisphenol-A	Lin2		0.4390		52800	50000	5.6	20.0
Butyl benzyl phthalate	Ave	0.5539	0.5530	0.0100	49900	50000	-0.2	20.0
2,3,7,8-TCDD	Ave	0.2090	0.2315	0.0100	554	500	10.8	20.0
Carbamazepine	Ave	0.3731	0.4004	0.0100	53700	50000	7.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3671	0.4192	0.0100	57100	50000	14.2	20.0
Benzo[a]anthracene	Ave	1.128	1.198	0.8000	53100	50000	6.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386228/2 Calibration Date: 08/23/2016 08:45

Instrument ID: CBNAMS5 Calib Start Date: 08/22/2016 12:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/22/2016 15:49

Lab File ID: x17350.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.7522	0.7610	0.0100	50600	50000	1.2	20.0
Chrysene	Ave	1.074	1.095	0.7000	51000	50000	2.0	20.0
Di-n-octyl phthalate	Ave	1.410	1.432	0.0100	50800	50000	1.6	20.0
Benzo[b]fluoranthene	Ave	1.116	1.229	0.7000	55100	50000	10.1	20.0
Benzo[k]fluoranthene	Ave	1.261	1.324	0.7000	52500	50000	5.0	20.0
Benzo[a]pyrene	Ave	1.003	1.126	0.7000	56200	50000	12.3	20.0
Indeno[1,2,3-cd]pyrene	QuaF		0.9397	0.5000	50900	50000	1.8	20.0
Dibenz(a,h)anthracene	QuaF		0.9827	0.4000	51200	50000	2.4	20.0
Benzo[g,h,i]perylene	Ave	0.8778	0.997	0.5000	56800	50000	13.6	20.0
2-Fluorophenol (Surr)	Ave	1.365	1.392		51000	50000	1.9	20.0
Phenol-d5 (Surr)	Ave	1.540	1.645		53400	50000	6.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4144	0.4049		48900	50000	-2.3	20.0
2-Fluorobiphenyl	Ave	1.534	1.532		49900	50000	-0.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2126	0.2144		50400	50000	0.8	20.0
Terphenyl-d14 (Surr)	Ave	1.216	1.255		51600	50000	3.2	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17350.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 08:45:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-002
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 12:19:29 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: nimerd Date: 23-Aug-2016 09:22:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.881	1.881	0.000	92	437928	50.0	48.4	
2 N-Nitrosodimethylamine	74	2.122	2.122	0.000	90	620013	50.0	50.4	
3 Pyridine	79	2.146	2.146	0.000	95	1077709	50.0	49.6	
$ 4 2-Fluorophenol	112	3.287	3.287	0.000	96	1012828	50.0	51.0	
$ 6 Phenol-d5	99	4.210	4.210	0.000	98	1197082	50.0	53.4	
7 Phenol	94	4.228	4.228	0.000	99	1250810	50.0	54.7	
8 Aniline	93	4.245	4.245	0.000	99	1522050	50.0	51.9	
9 Bis(2-chloroethyl)ether	93	4.310	4.310	0.000	99	944840	50.0	51.5	
10 Benzonitrile	103	4.345	4.345	0.000	68	1787277	NC	NC	
11 2-Chlorophenol	128	4.369	4.369	0.000	97	1034631	50.0	52.2	
12 n-Decane	43	4.416	4.416	0.000	88	977757	50.0	45.4	
13 1,3-Dichlorobenzene	146	4.522	4.522	0.000	96	1153068	50.0	50.8	
* 14 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	96	582139	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.592	4.592	0.000	94	1148481	50.0	50.6	
16 Benzyl alcohol	108	4.716	4.716	0.000	94	569718	50.0	56.1	
17 1,2-Dichlorobenzene	146	4.745	4.745	0.000	96	1070083	50.0	50.7	
18 2-Methylphenol	108	4.822	4.822	0.000	91	896540	50.0	54.9	
19 2,2'-oxybis[1-chloropropan	45	4.845	4.845	0.000	92	1049932	50.0	47.4	
22 N-Nitrosodi-n-propylamine	70	4.987	4.987	0.000	85	615453	50.0	49.1	
23 3 & 4 Methylphenol	108	4.987	4.987	0.000	83	905337	50.0	51.5	
24 4-Methylphenol	108	4.987	4.987	0.000	86	905337	50.0	51.5	
21 Acetophenone	105	4.987	4.987	0.000	92	1145313	50.0	49.8	
20 N-Methylaniline	106	5.016	5.016	0.000	1	2371	NC	NC	
25 Hexachloroethane	117	5.087	5.087	0.000	94	417214	50.0	50.1	
$ 26 Nitrobenzene-d5	82	5.134	5.134	0.000	87	994935	50.0	48.9	
28 Nitrobenzene	77	5.157	5.157	0.000	98	1286315	50.0	48.0	
27 n,n'-Dimethylaniline	120	5.157	5.157	0.000	90	1363004	50.0	49.4	
31 Isophorone	82	5.398	5.398	0.000	99	1539609	50.0	48.2	
32 2-Nitrophenol	139	5.469	5.469	0.000	94	519840	50.0	52.2	
33 2,4-Dimethylphenol	122	5.516	5.516	0.000	92	803440	50.0	53.3	
34 Bis(2-chloroethoxy)methane	93	5.604	5.604	0.000	99	988890	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.675	5.675	0.000	87	477937	50.0	48.9	
36 2,4-Dichlorophenol	162	5.716	5.716	0.000	97	770915	50.0	54.9	
37 1,2,4-Trichlorobenzene	180	5.798	5.798	0.000	94	889667	50.0	52.2	
* 38 Naphthalene-d8	136	5.857	5.857	0.000	99	1966053	40.0	40.0	
39 Naphthalene	128	5.875	5.875	0.000	100	2574848	50.0	50.0	
40 4-Chloroaniline	127	5.934	5.934	0.000	96	1018692	50.0	49.7	
41 Hexachlorobutadiene	225	6.004	6.004	0.000	98	507108	50.0	51.3	
43 4-Chloro-3-methylphenol	107	6.410	6.410	0.000	96	656956	50.0	52.6	
44 2-Methylnaphthalene	142	6.569	6.569	0.000	85	1597300	50.0	49.5	
45 1-Methylnaphthalene	142	6.669	6.669	0.000	94	1493621	50.0	50.3	
46 Hexachlorocyclopentadiene	237	6.734	6.734	0.000	97	514176	50.0	52.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.739	6.739	0.000	97	752489	50.0	49.8	
48 2-tertbutyl-4-methylphenol	149	6.763	6.763	0.000	92	1057532	50.0	47.9	
49 2,4,6-Trichlorophenol	196	6.851	6.851	0.000	92	485381	50.0	51.8	
50 2,4,5-Trichlorophenol	196	6.886	6.886	0.000	99	508117	50.0	55.7	
$ 51 2-Fluorobiphenyl	172	6.934	6.934	0.000	98	1743370	50.0	49.9	
52 1,1'-Biphenyl	154	7.034	7.034	0.000	95	1809483	50.0	50.9	
53 2-Chloronaphthalene	162	7.057	7.057	0.000	97	1416599	50.0	51.1	
54 Phenyl ether	170	7.134	7.134	0.000	86	992465	50.0	49.9	
56 2-Nitroaniline	65	7.157	7.157	0.000	96	442106	50.0	47.4	
57 1,3-Dimethylnaphthalene	156	7.269	7.269	0.000	93	1145849	50.0	48.9	
58 Dimethyl phthalate	163	7.339	7.339	0.000	99	1306282	50.0	49.2	
59 Coumarin	146	7.363	7.363	0.000	78	413321	50.0	47.1	
60 2,6-Dinitrotoluene	165	7.398	7.398	0.000	95	317688	50.0	52.6	
61 Acenaphthylene	152	7.469	7.469	0.000	98	2006600	50.0	50.4	
64 3-Nitroaniline	138	7.563	7.563	0.000	97	325897	50.0	50.6	
* 65 Acenaphthene-d10	164	7.610	7.610	0.000	94	910222	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.622	7.622	0.000	97	1352792	50.0	47.9	
67 Acenaphthene	154	7.639	7.639	0.000	94	1266938	50.0	47.7	
68 2,4-Dinitrophenol	184	7.669	7.669	0.000	94	408846	100.0	103.0	
69 4-Nitrophenol	65	7.728	7.728	0.000	93	398101	100.0	93.7	
70 2,4-Dinitrotoluene	165	7.792	7.792	0.000	97	374175	50.0	52.2	
71 Dibenzofuran	168	7.810	7.810	0.000	96	1827080	50.0	49.6	
72 2,3,4,6-Tetrachlorophenol	232	7.933	7.933	0.000	98	371378	50.0	50.2	
73 Diethyl phthalate	149	8.033	8.033	0.000	99	1138695	50.0	47.4	
74 4-Chlorophenyl phenyl ethe	204	8.145	8.145	0.000	93	705750	50.0	49.2	
75 Fluorene	166	8.151	8.151	0.000	97	1341462	50.0	47.7	
76 4-Nitroaniline	138	8.175	8.175	0.000	89	282458	50.0	51.3	
77 4,6-Dinitro-2-methylphenol	198	8.204	8.204	0.000	93	467515	100.0	103.4	
78 N-Nitrosodiphenylamine	169	8.263	8.263	0.000	65	971378	50.0	51.7	
79 1,2-Diphenylhydrazine	77	8.304	8.304	0.000	95	1309528	50.0	48.3	
$ 80 2,4,6-Tribromophenol	330	8.386	8.386	0.000	92	243987	50.0	50.4	
81 4-Bromophenyl phenyl ether	248	8.628	8.628	0.000	96	438822	50.0	52.4	
83 Hexachlorobenzene	284	8.698	8.698	0.000	95	462865	50.0	55.5	
85 Pentachlorophenol	266	8.892	8.892	0.000	96	531359	100.0	105.3	
86 Pentachloronitrobenzene	237	8.904	8.904	0.000	92	137542	50.0	47.9	
87 n-Octadecane	57	8.957	8.957	0.000	92	804493	50.0	50.9	
* 88 Phenanthrene-d10	188	9.075	9.075	0.000	98	1156279	40.0	40.0	
89 Phenanthrene	178	9.098	9.098	0.000	98	1609893	50.0	49.4	
90 Anthracene	178	9.151	9.151	0.000	99	1705935	50.0	50.9	
91 Carbazole	167	9.298	9.298	0.000	96	1316083	50.0	49.3	
92 Di-n-butyl phthalate	149	9.633	9.633	0.000	100	1484914	50.0	48.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.269	10.269	0.000	98	1409713	50.0	50.1	
94 Benzidine	184	10.398	10.398	0.000	99	568632	50.0	50.1	
95 Pyrene	202	10.504	10.504	0.000	97	1377792	50.0	50.8	
82 Bisphenol-A	213	10.545	10.545	0.000	99	374178	50.0	52.8	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	99	1069718	50.0	51.6	
97 Butyl benzyl phthalate	149	11.198	11.198	0.000	97	471362	50.0	49.9	
98 2,3,7,8-TCDD	320	11.321	11.321	0.000	93	1973	0.5000	0.5538	
99 Carbamazepine	193	11.339	11.339	0.000	92	341308	50.0	53.7	
100 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	99	357330	50.0	57.1	
101 Benzo[a]anthracene	228	11.892	11.892	0.000	98	1020784	50.0	53.1	
* 102 Chrysene-d12	240	11.904	11.904	0.000	99	681905	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	89	648676	50.0	50.6	
103 Chrysene	228	11.939	11.939	0.000	99	933500	50.0	51.0	
105 Di-n-octyl phthalate	149	12.804	12.804	0.000	98	923652	50.0	50.8	
106 Benzo[b]fluoranthene	252	13.345	13.345	0.000	98	792258	50.0	55.1	
107 Benzo[k]fluoranthene	252	13.386	13.386	0.000	99	853963	50.0	52.5	
108 Benzo[a]pyrene	252	13.804	13.804	0.000	98	726044	50.0	56.2	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	515913	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.515	15.515	0.000	98	605973	50.0	50.9	
111 Dibenz(a,h)anthracene	278	15.551	15.551	0.000	96	633746	50.0	51.2	
112 Benzo[g,h,i]perylene	276	15.980	15.980	0.000	98	642866	50.0	56.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00020 Amount Added: 1.00 Units: mL

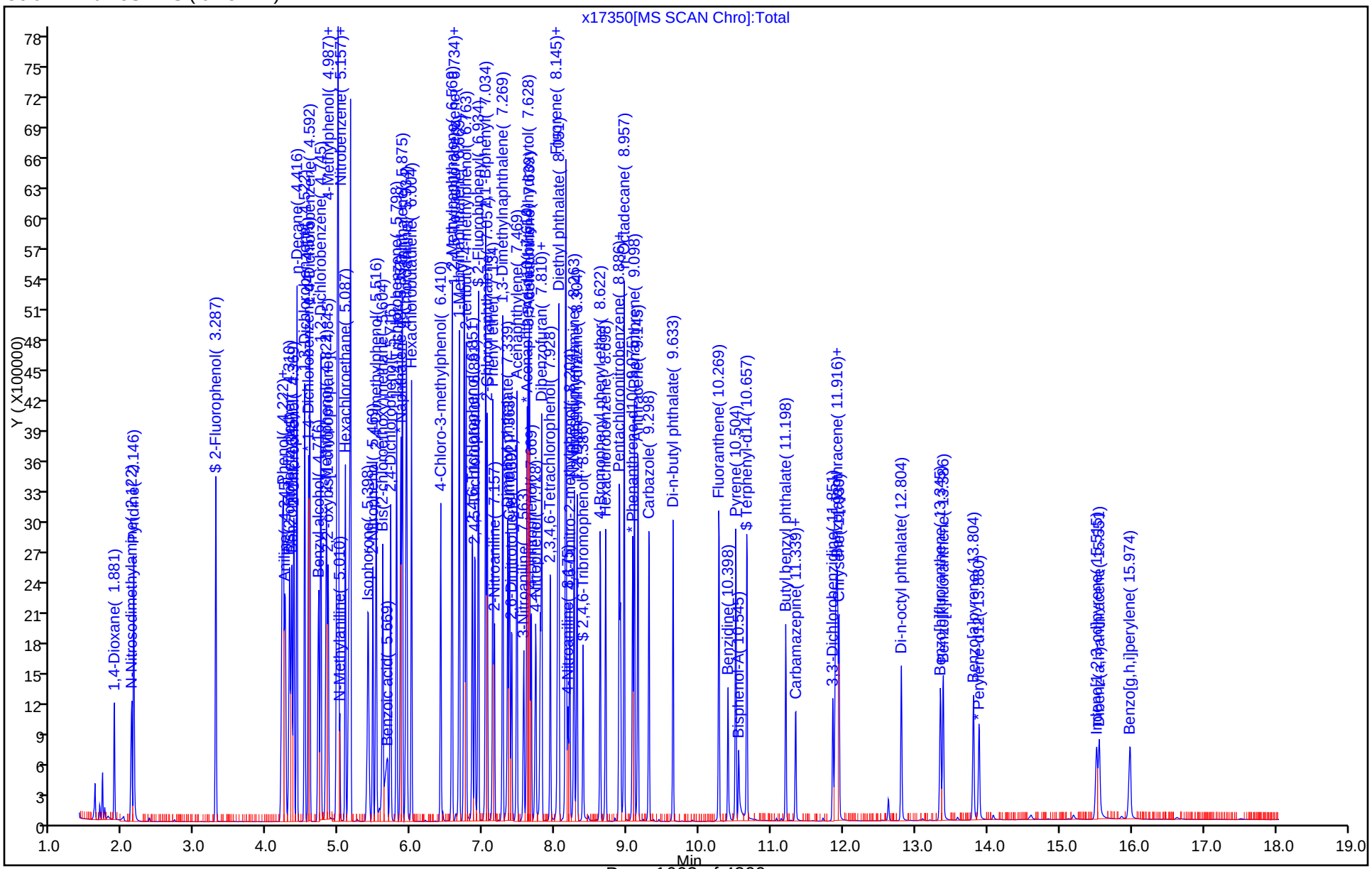
Report Date: 23-Aug-2016 12:19:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17350.D

Injection Date:	23-Aug-2016 08:45:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386360/2 Calibration Date: 08/23/2016 19:04

Instrument ID: CBNAMS6 Calib Start Date: 08/23/2016 10:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/23/2016 12:39

Lab File ID: M231637.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4809	0.4529	0.0100	9420	10000	-5.8	20.0
N-Nitrosodimethylamine	Ave	0.8166	0.8600		10500	10000	5.3	20.0
Pyridine	Ave	1.095	1.155		10500	10000	5.4	20.0
Aniline	Ave	1.446	1.613		11200	10000	11.5	20.0
Bis(2-chloroethyl)ether	QuaF		1.521	0.7000	10000	10000	0.5	20.0
Phenol	Ave	1.477	1.818	0.8000	12300	10000	23.1*	20.0
2-Chlorophenol	Ave	0.9772	1.070	0.8000	10900	10000	9.5	20.0
n-Decane	Ave	1.396	1.467	0.0100	10500	10000	5.0	20.0
1,3-Dichlorobenzene	Ave	1.364	1.455		10700	10000	6.7	20.0
1,4-Dichlorobenzene	Ave	1.412	1.495		10600	10000	5.9	20.0
1,2-Dichlorobenzene	Ave	1.325	1.395		10500	10000	5.2	20.0
Benzyl alcohol	Lin2		0.5873	0.0100	10600	10000	5.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.686	1.785	0.0100	10600	10000	5.8	20.0
2-Methylphenol	Ave	0.8350	0.8652	0.7000	10400	10000	3.6	20.0
Acetophenone	Ave	1.912	2.090	0.0100	10900	10000	9.3	20.0
N-Nitrosodi-n-propylamine	Ave	1.213	1.389	0.5000	11500	10000	14.5	20.0
Hexachloroethane	Ave	0.6668	0.7780	0.3000	11700	10000	16.7	20.0
3 & 4 Methylphenol	Ave	0.9025	1.014		11200	10000	12.4	20.0
4-Methylphenol	Ave	0.8981	1.010	0.6000	11200	10000	12.5	20.0
n,n'-Dimethylaniline	QuaF		1.860	0.0100	9530	10000	-4.7	20.0
Nitrobenzene	Ave	0.8215	0.8426	0.2000	10300	10000	2.6	20.0
Isophorone	Ave	0.9558	0.9677	0.4000	10100	10000	1.2	20.0
2-Nitrophenol	Ave	0.2151	0.2478	0.1000	11500	10000	15.2	20.0
2,4-Dimethylphenol	Ave	0.2746	0.2864	0.2000	10400	10000	4.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.3933	0.4255	0.3000	10800	10000	8.2	20.0
2,4-Dichlorophenol	Ave	0.3909	0.4101	0.2000	10500	10000	4.9	20.0
1,2,4-Trichlorobenzene	Ave	0.4393	0.4888		11100	10000	11.3	20.0
Benzoic acid	Ave	0.1652	0.2096		12700	10000	26.9*	20.0
Naphthalene	Ave	0.8710	0.9633	0.7000	11100	10000	10.6	20.0
4-Chloroaniline	Ave	0.4113	0.4469	0.0100	10900	10000	8.7	20.0
Hexachlorobutadiene	Ave	0.3624	0.3917	0.0100	10800	10000	8.1	20.0
4-Chloro-3-methylphenol	Ave	0.3448	0.3834		11100	10000	11.2	20.0
2-Methylnaphthalene	Ave	0.6418	0.7050	0.4000	11000	10000	9.8	20.0
1-Methylnaphthalene	Ave	0.5774	0.6422	0.0100	11100	10000	11.2	20.0
Hexachlorocyclopentadiene	Ave	0.6483	0.5730	0.0500	8840	10000	-11.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.9017	0.9153	0.0100	10200	10000	1.5	20.0
2-tertbutyl-4-methylphenol	Ave	0.5458	0.5729	0.0100	10500	10000	5.0	20.0
2,4,6-Trichlorophenol	Lin2		0.4607	0.2000	9550	10000	-4.5	20.0
2,4,5-Trichlorophenol	Ave	0.5059	0.5220	0.2000	10300	10000	3.2	20.0
1,1'-Biphenyl	Ave	1.392	1.510	0.0100	10900	10000	8.5	20.0
2-Chloronaphthalene	Ave	1.212	1.219	0.8000	10100	10000	0.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386360/2 Calibration Date: 08/23/2016 19:04

Instrument ID: CBNAMS6 Calib Start Date: 08/23/2016 10:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/23/2016 12:39

Lab File ID: M231637.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.7733	0.7917	0.0100	10200	10000	2.4	20.0
2-Nitroaniline	Ave	0.4940	0.4806	0.0100	9730	10000	-2.7	20.0
1,3-Dimethylnaphthalene	Ave	0.8614	0.9001	0.0100	10400	10000	4.5	20.0
Coumarin	Ave	0.2303	0.2561	0.0100	11100	10000	11.2	20.0
Dimethyl phthalate	Ave	1.360	1.303	0.0100	9580	10000	-4.2	20.0
2,6-Dinitrotoluene	Ave	0.3216	0.3007	0.2000	9350	10000	-6.5	20.0
Acenaphthylene	Ave	1.483	1.432	0.9000	9650	10000	-3.5	20.0
3-Nitroaniline	Ave	0.2929	0.3173	0.0100	10800	10000	8.3	20.0
Acenaphthene	Ave	1.014	0.9863	0.9000	9730	10000	-2.7	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.165	1.152	0.0100	9890	10000	-1.1	20.0
2,4-Dinitrophenol	Lin2		0.2413	0.0100	20700	20000	3.4	20.0
Dibenzofuran	Ave	1.471	1.458	0.8000	9910	10000	-0.9	20.0
2,4-Dinitrotoluene	Ave	0.3875	0.4429	0.2000	11400	10000	14.3	20.0
4-Nitrophenol	Ave	0.3423	0.3254	0.0100	19000	20000	-4.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.4675	0.4501	0.0100	9630	10000	-3.7	20.0
Diethyl phthalate	Ave	1.396	1.400	0.0100	10000	10000	0.3	20.0
Fluorene	Ave	1.173	1.257	0.9000	10700	10000	7.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.7047	0.7034	0.4000	9980	10000	-0.2	20.0
4-Nitroaniline	Ave	0.2433	0.2237	0.0100	9190	10000	-8.1	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.2125	0.0100	21500	20000	7.7	20.0
N-Nitrosodiphenylamine	Ave	0.5150	0.5968	0.0100	11600	10000	15.9	20.0
1,2-Diphenylhydrazine	Ave	0.9801	1.036	0.0100	10600	10000	5.8	20.0
4-Bromophenyl phenyl ether	Ave	0.3509	0.3633	0.1000	10400	10000	3.5	20.0
Hexachlorobenzene	Ave	0.4528	0.4566	0.1000	10100	10000	0.8	20.0
Pentachloronitrobenzene	Qua		0.1801	0.0100	9940	10000	-0.6	20.0
Pentachlorophenol	Ave	0.2296	0.2792	0.0500	24300	20000	21.6*	20.0
n-Octadecane	Ave	0.4698	0.5223	0.0100	11100	10000	11.2	20.0
Phenanthrene	Ave	0.9329	0.9716	0.7000	10400	10000	4.2	20.0
Anthracene	Ave	0.9700	0.997	0.7000	10300	10000	2.8	20.0
Carbazole	Ave	0.8136	0.9166	0.0100	11300	10000	12.7	20.0
Di-n-butyl phthalate	Ave	1.193	1.194	0.0100	10000	10000	0.1	20.0
Fluoranthene	Ave	1.048	1.100	0.6000	10500	10000	4.9	20.0
Benzidine	Ave	0.5953	0.4980		8370	10000	-16.3	20.0
Pyrene	Ave	1.090	1.204	0.6000	11100	10000	10.5	20.0
Bisphenol-A	Ave	0.4657	0.4507		9680	10000	-3.2	20.0
Butyl benzyl phthalate	Ave	0.5098	0.5463	0.0100	10700	10000	7.2	20.0
2,3,7,8-TCDD	Ave	0.1690	0.2228	0.0100	132	100	31.8*	20.0
Carbamazepine	Ave	0.3613	0.3987	0.0100	11000	10000	10.3	20.0
3,3'-Dichlorobenzidine	Ave	0.4627	0.4887	0.0100	10600	10000	5.6	20.0
Benzo[a]anthracene	Ave	1.048	1.160	0.8000	11100	10000	10.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386360/2 Calibration Date: 08/23/2016 19:04

Instrument ID: CBNAMS6 Calib Start Date: 08/23/2016 10:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/23/2016 12:39

Lab File ID: M231637.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	0.9560	1.024	0.7000	10700	10000	7.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6614	0.6613	0.0100	10000	10000	-0.0	20.0
Di-n-octyl phthalate	Ave	1.139	1.233	0.0100	10800	10000	8.2	20.0
Benzo[b]fluoranthene	Ave	1.118	1.190	0.7000	10700	10000	6.5	20.0
Benzo[k]fluoranthene	Ave	1.104	1.142	0.7000	10300	10000	3.4	20.0
Benzo[a]pyrene	Ave	1.025	1.094	0.7000	10700	10000	6.7	20.0
Indeno[1,2,3-cd]pyrene	QuaF		1.139	0.5000	11100	10000	11.4	20.0
Dibenz(a,h)anthracene	Ave	0.9419	1.146	0.4000	12200	10000	21.7*	20.0
Benzo[g,h,i]perylene	Ave	1.065	1.164	0.5000	10900	10000	9.2	20.0
2-Fluorophenol (Surr)	Ave	0.8781	0.9558		10900	10000	8.8	20.0
Phenol-d5 (Surr)	QuaF		1.774		10400	10000	4.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.6500	0.6611		10200	10000	1.7	20.0
2-Fluorobiphenyl	Ave	1.494	1.538		10300	10000	2.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.4454	0.4211		9450	10000	-5.5	20.0
Terphenyl-d14 (Surr)	Ave	1.053	1.116		10600	10000	6.0	20.0

Report Date: 23-Aug-2016 20:22:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231637.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 19:04:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044773-002
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 20:22:05 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: bayoumiw Date: 23-Aug-2016 20:22:05

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.172	1.172	0.000	87	254306	10.0	9.42	
	2 N-Nitrosodimethylamine	74	1.380	1.380	0.000	53	482844	10.0	10.5	
	3 Pyridine	79	1.389	1.389	0.000	66	648333	10.0	10.5	
$	4 2-Fluorophenol	112	2.460	2.460	0.000	75	536657	10.0	10.9	
	8 Aniline	93	3.342	3.342	0.000	85	905655	10.0	11.2	
$	6 Phenol-d5	99	3.399	3.399	0.000	76	996042	10.0	10.4	
	7 Phenol	94	3.407	3.407	0.000	71	1020999	10.0	12.3	
	9 Bis(2-chloroethyl)ether	93	3.407	3.407	0.000	79	853730	10.0	10.0	E
	10 Benzonitrile	103	3.416	3.416	0.000	83	1410809	NC	NC	
	11 2-Chlorophenol	128	3.473	3.473	0.000	72	600641	10.0	10.9	
	12 n-Decane	43	3.512	3.512	0.000	81	823661	10.0	10.5	
	13 1,3-Dichlorobenzene	146	3.593	3.593	0.000	86	816792	10.0	10.7	
*	14 1,4-Dichlorobenzene-d4	152	3.650	3.650	0.000	89	449177	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.667	3.667	0.000	89	839615	10.0	10.6	
	18 1,2-Dichlorobenzene	146	3.821	3.821	0.000	87	783202	10.0	10.5	
	17 Benzyl alcohol	108	3.846	3.846	0.000	77	329746	10.0	10.6	
	20 2,2'-oxybis[1-chloropropan	45	3.960	3.960	0.000	75	1002085	10.0	10.6	
	19 2-Methylphenol	108	4.017	4.017	0.000	54	485760	10.0	10.4	
	23 N-Methylaniline	106	4.089	4.089	0.000	75	1033520	NC	NC	
	24 Acetophenone	105	4.097	4.097	0.000	87	1173497	10.0	10.9	
	25 N-Nitrosodi-n-propylamine	70	4.121	4.121	0.000	91	780086	10.0	11.5	
	27 Hexachloroethane	117	4.161	4.161	0.000	86	436816	10.0	11.7	
	26 3 & 4 Methylphenol	108	4.177	4.177	0.000	69	569360	10.0	11.2	
	21 4-Methylphenol	108	4.177	4.177	0.000	78	567038	10.0	11.2	
$	28 Nitrobenzene-d5	82	4.241	4.241	0.000	97	1194629	10.0	10.2	
	29 Nitrobenzene	77	4.265	4.265	0.000	80	1522536	10.0	10.3	
	30 n,n'-Dimethylaniline	120	4.265	4.265	0.000	73	1044094	10.0	9.53	
	31 Isophorone	82	4.518	4.518	0.000	93	1748580	10.0	10.1	
	32 2-Nitrophenol	139	4.583	4.583	0.000	55	447809	10.0	11.5	
	33 2,4-Dimethylphenol	122	4.695	4.695	0.000	75	517442	10.0	10.4	
	34 Bis(2-chloroethoxy)methane	93	4.752	4.752	0.000	86	768775	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.865	4.865	0.000	84	741085	10.0	10.5	
35 Benzoic acid	122	4.905	4.905	0.000	79	378719	10.0	12.7	M
37 1,2,4-Trichlorobenzene	180	4.905	4.905	0.000	91	883309	10.0	11.1	
* 38 Naphthalene-d8	136	4.955	4.955	0.000	97	1445553	8.00	8.00	
39 Naphthalene	128	4.979	4.979	0.000	95	1740576	10.0	11.1	
40 4-Chloroaniline	127	5.068	5.068	0.000	86	807544	10.0	10.9	
41 Hexachlorobutadiene	225	5.117	5.117	0.000	93	707788	10.0	10.8	
44 4-Chloro-3-methylphenol	107	5.619	5.619	0.000	86	692752	10.0	11.1	
45 2-Methylnaphthalene	142	5.676	5.676	0.000	81	1273917	10.0	11.0	
46 1-Methylnaphthalene	142	5.774	5.774	0.000	87	1160419	10.0	11.1	
47 Hexachlorocyclopentadiene	237	5.845	5.845	0.000	94	704576	10.0	8.84	
48 1,2,4,5-Tetrachlorobenzene	216	5.853	5.853	0.000	93	1125499	10.0	10.2	
49 2-tertbutyl-4-methylphenol	149	5.942	5.942	0.000	84	1035244	10.0	10.5	
50 2,4,6-Trichlorophenol	196	5.997	5.997	0.000	85	566547	10.0	9.55	
51 2,4,5-Trichlorophenol	196	6.055	6.055	0.000	75	641880	10.0	10.3	
$ 52 2-Fluorobiphenyl	172	6.055	6.055	0.000	93	1891531	10.0	10.3	
53 1,1'-Biphenyl	154	6.152	6.152	0.000	97	1856681	10.0	10.9	
54 2-Chloronaphthalene	162	6.160	6.160	0.000	94	1499434	10.0	10.1	
55 Phenyl ether	170	6.257	6.257	0.000	89	973521	10.0	10.2	
57 2-Nitroaniline	65	6.298	6.298	0.000	82	590962	10.0	9.73	
58 1,3-Dimethylnaphthalene	156	6.379	6.379	0.000	90	1106754	10.0	10.4	
60 Coumarin	146	6.485	6.485	0.000	71	462708	10.0	11.1	
59 Dimethyl phthalate	163	6.494	6.494	0.000	95	1602501	10.0	9.58	
61 2,6-Dinitrotoluene	165	6.541	6.541	0.000	78	369726	10.0	9.35	
62 Acenaphthylene	152	6.565	6.565	0.000	96	1760554	10.0	9.65	
* 64 Acenaphthene-d10	164	6.704	6.704	0.000	90	983721	8.00	8.00	
63 3-Nitroaniline	138	6.712	6.712	0.000	83	390118	10.0	10.8	
66 Acenaphthene	154	6.736	6.736	0.000	94	1212829	10.0	9.73	
65 3,5-di-tert-butyl-4-hydrox	205	6.761	6.761	0.000	97	1416689	10.0	9.89	
67 2,4-Dinitrophenol	184	6.810	6.810	0.000	82	593530	20.0	20.7	
71 Dibenzofuran	168	6.916	6.916	0.000	91	1792630	10.0	9.91	
70 2,4-Dinitrotoluene	165	6.932	6.932	0.000	85	544580	10.0	11.4	
69 4-Nitrophenol	65	6.979	6.979	0.000	82	800146	20.0	19.0	
72 2,3,4,6-Tetrachlorophenol	232	7.061	7.061	0.000	93	553400	10.0	9.63	
73 Diethyl phthalate	149	7.183	7.183	0.000	95	1721681	10.0	10.0	
75 Fluorene	166	7.247	7.247	0.000	95	1545512	10.0	10.7	
74 4-Chlorophenyl phenyl ethe	204	7.255	7.255	0.000	84	864914	10.0	9.98	
76 4-Nitroaniline	138	7.337	7.337	0.000	85	275009	10.0	9.19	
77 4,6-Dinitro-2-methylphenol	198	7.345	7.345	0.000	87	762063	20.0	21.5	
78 N-Nitrosodiphenylamine	169	7.392	7.392	0.000	66	1069981	10.0	11.6	
79 1,2-Diphenylhydrazine	77	7.417	7.417	0.000	91	1858214	10.0	10.6	
$ 80 2,4,6-Tribromophenol	330	7.490	7.490	0.000	94	517767	10.0	9.45	
81 4-Bromophenyl phenyl ether	248	7.731	7.731	0.000	88	651312	10.0	10.4	
82 Hexachlorobenzene	284	7.780	7.780	0.000	95	818568	10.0	10.1	
85 Pentachloronitrobenzene	237	7.998	7.998	0.000	89	322868	10.0	9.94	
84 Pentachlorophenol	266	8.006	8.006	0.000	92	1000928	20.0	24.3	
86 n-Octadecane	57	8.102	8.102	0.000	91	936352	10.0	11.1	
* 87 Phenanthrene-d10	188	8.151	8.151	0.000	97	1434237	8.00	8.00	
88 Phenanthrene	178	8.176	8.176	0.000	97	1741927	10.0	10.4	
89 Anthracene	178	8.225	8.225	0.000	97	1787938	10.0	10.3	
90 Carbazole	167	8.411	8.411	0.000	98	1643212	10.0	11.3	
91 Di-n-butyl phthalate	149	8.766	8.766	0.000	98	2140439	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.333	9.333	0.000	97	1971681	10.0	10.5	
93 Benzidine	184	9.487	9.487	0.000	98	892747	10.0	8.37	
94 Pyrene	202	9.544	9.544	0.000	97	1964939	10.0	11.1	
95 Bisphenol-A	213	9.667	9.667	0.000	0	735480	10.0	9.68	
$ 96 Terphenyl-d14	244	9.723	9.723	0.000	98	1820865	10.0	10.6	
97 Butyl benzyl phthalate	149	10.217	10.217	0.000	96	891348	10.0	10.7	
98 2,3,7,8-TCDD	320	10.281	10.281	0.000	14	3635	0.1000	0.1318	
99 Carbamazepine	193	10.321	10.321	0.000	89	650623	10.0	11.0	
100 3,3'-Dichlorobenzidine	252	10.750	10.750	0.000	79	797395	10.0	10.6	
101 Benzo[a]anthracene	228	10.750	10.750	0.000	96	1892689	10.0	11.1	
* 102 Chrysene-d12	240	10.765	10.765	0.000	97	1305380	8.00	8.00	
104 Chrysene	228	10.796	10.796	0.000	98	1670510	10.0	10.7	
103 Bis(2-ethylhexyl) phthalat	149	10.836	10.836	0.000	88	1079027	10.0	10.0	
105 Di-n-octyl phthalate	149	11.607	11.607	0.000	96	1748643	10.0	10.8	
106 Benzo[b]fluoranthene	252	12.011	12.011	0.000	94	1688757	10.0	10.7	
107 Benzo[k]fluoranthene	252	12.043	12.043	0.000	94	1620255	10.0	10.3	
108 Benzo[a]pyrene	252	12.407	12.407	0.000	97	1552542	10.0	10.7	
* 109 Perylene-d12	264	12.479	12.479	0.000	96	1134856	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.831	13.831	0.000	93	1615253	10.0	11.1	
111 Dibenz(a,h)anthracene	278	13.869	13.869	0.000	98	1625749	10.0	12.2	
112 Benzo[g,h,i]perylene	276	14.161	14.161	0.000	93	1650927	10.0	10.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL6_00040 Amount Added: 1.00 Units: mL

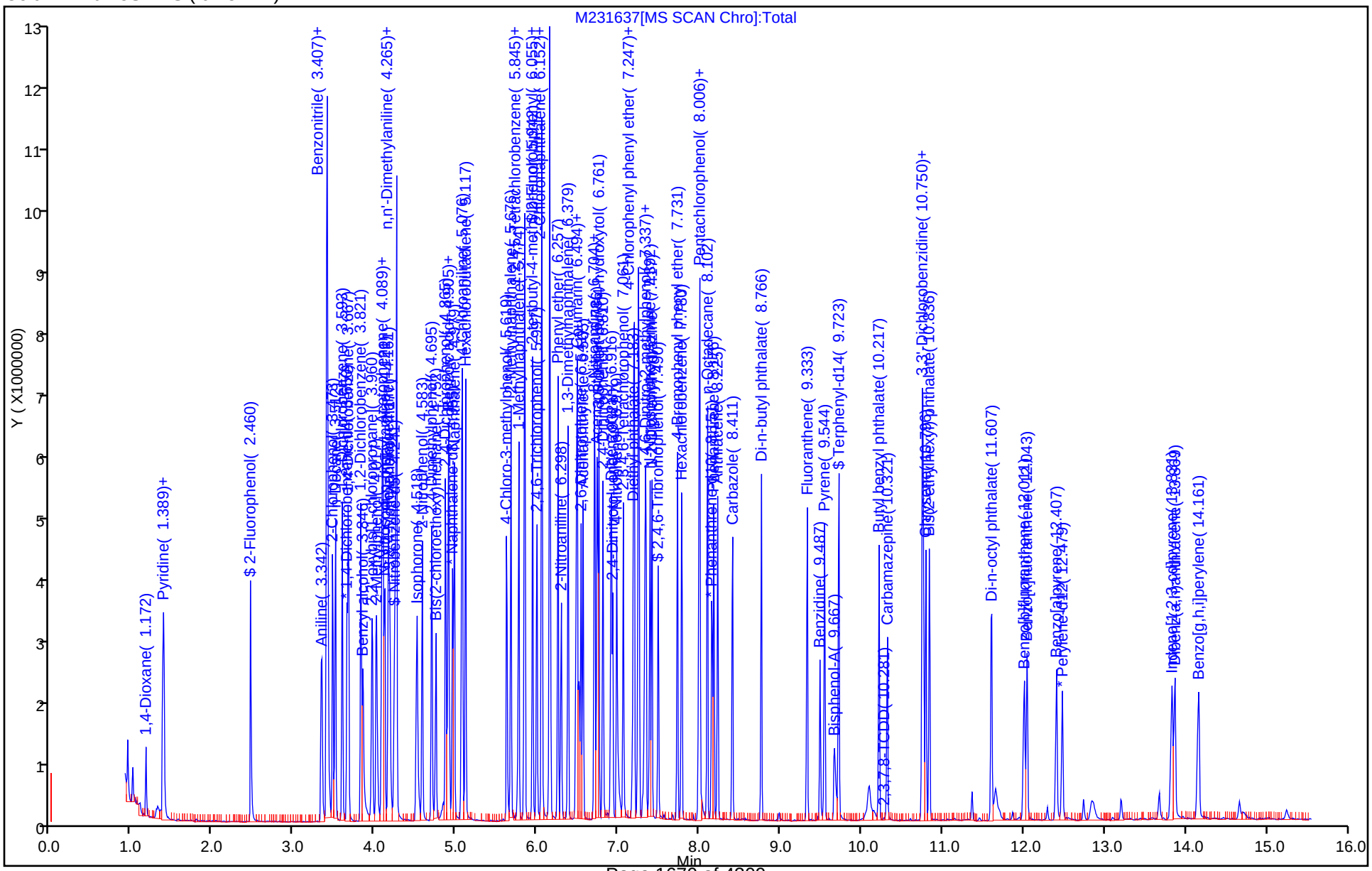
Report Date: 23-Aug-2016 20:22:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231637.D

Injection Date:	23-Aug-2016 19:04:30	Instrument ID:	CBNAMS6	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

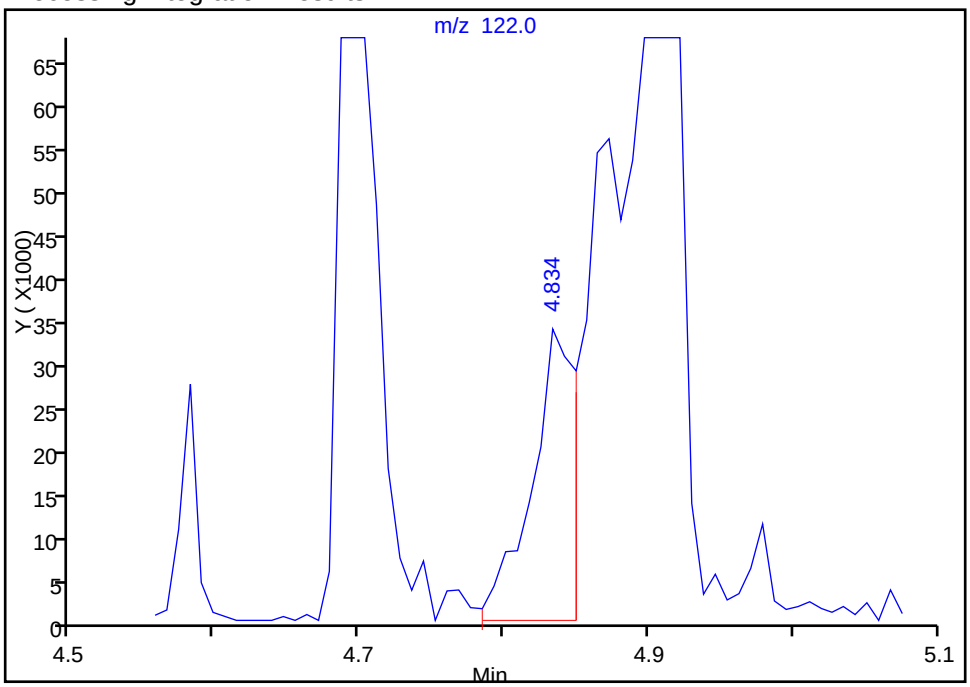
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231637.D				
Injection Date:	23-Aug-2016 19:04:30	Instrument ID:	CBNAMS6		
Lims ID:	ccvis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

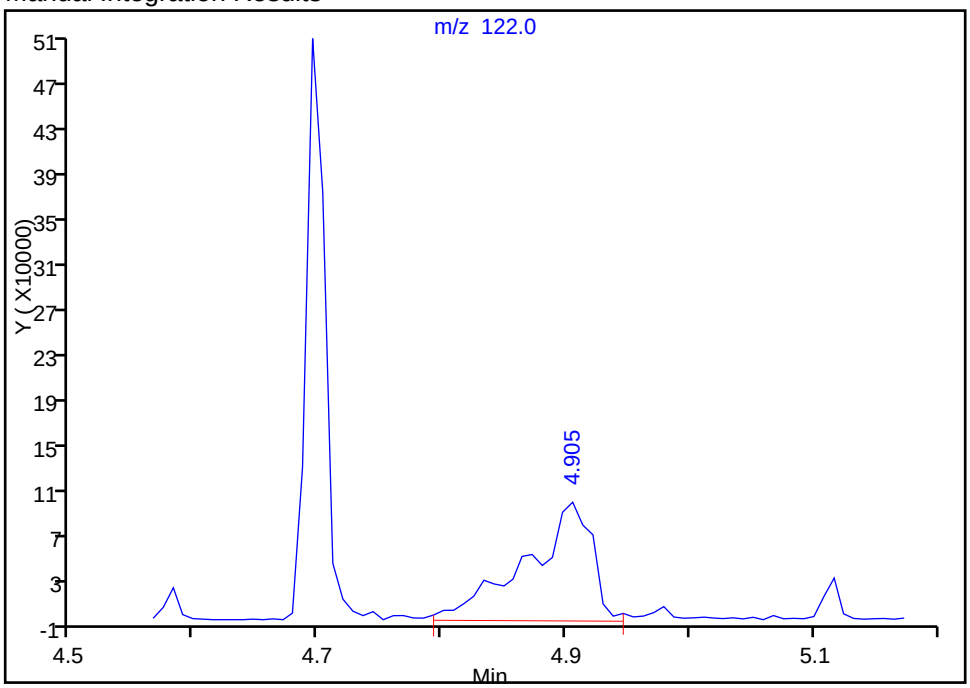
Processing Integration Results

RT: 4.83
Area: 72804
Amount: 2.626050
Amount Units: ug/ml



Manual Integration Results

RT: 4.91
Area: 378719
Amount: 12.690371
Amount Units: ug/ml



Reviewer: bayoumiw, 23-Aug-2016 19:20:53

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386455/2 Calibration Date: 08/24/2016 07:40

Instrument ID: CBNAMS6 Calib Start Date: 08/23/2016 10:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/23/2016 12:39

Lab File ID: M231673.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4809	0.4629	0.0100	9620	10000	-3.8	20.0
N-Nitrosodimethylamine	Ave	0.8166	0.8740		10700	10000	7.0	20.0
Pyridine	Ave	1.095	1.299		11900	10000	18.6	20.0
Aniline	Ave	1.446	1.712		11800	10000	18.4	20.0
Bis(2-chloroethyl)ether	QuaF		1.420	0.7000	9560	10000	-4.4	20.0
Phenol	Ave	1.477	1.814	0.8000	12300	10000	22.8*	20.0
2-Chlorophenol	Ave	0.9772	1.138	0.8000	11600	10000	16.4	20.0
n-Decane	Ave	1.396	1.524	0.0100	10900	10000	9.2	20.0
1,3-Dichlorobenzene	Ave	1.364	1.563		11500	10000	14.6	20.0
1,4-Dichlorobenzene	Ave	1.412	1.494		10600	10000	5.8	20.0
1,2-Dichlorobenzene	Ave	1.325	1.495		11300	10000	12.8	20.0
Benzyl alcohol	Lin2		0.6285	0.0100	11300	10000	12.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.686	1.915	0.0100	11400	10000	13.6	20.0
2-Methylphenol	Ave	0.8350	0.9572	0.7000	11500	10000	14.6	20.0
Acetophenone	Ave	1.912	2.150	0.0100	11200	10000	12.4	20.0
N-Nitrosodi-n-propylamine	Ave	1.213	1.461	0.5000	12000	10000	20.4*	20.0
Hexachloroethane	Ave	0.6668	0.8180	0.3000	12300	10000	22.7*	20.0
3 & 4 Methylphenol	Ave	0.9025	1.041		11500	10000	15.3	20.0
4-Methylphenol	Ave	0.8981	1.041	0.6000	11600	10000	15.9	20.0
n,n'-Dimethylaniline	QuaF		1.753	0.0100	9130	10000	-8.7	20.0
Nitrobenzene	Ave	0.8215	0.8760	0.2000	10700	10000	6.6	20.0
Isophorone	Ave	0.9558	1.002	0.4000	10500	10000	4.8	20.0
2-Nitrophenol	Ave	0.2151	0.2506	0.1000	11600	10000	16.5	20.0
2,4-Dimethylphenol	Ave	0.2746	0.3102	0.2000	11300	10000	13.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.3933	0.4266	0.3000	10800	10000	8.5	20.0
2,4-Dichlorophenol	Ave	0.3909	0.4022	0.2000	10300	10000	2.9	20.0
Benzoic acid	Ave	0.1652	0.2200		13300	10000	33.2*	20.0
1,2,4-Trichlorobenzene	Ave	0.4393	0.4982		11300	10000	13.4	20.0
Naphthalene	Ave	0.8710	0.8846	0.7000	10200	10000	1.6	20.0
4-Chloroaniline	Ave	0.4113	0.4492	0.0100	10900	10000	9.2	20.0
Hexachlorobutadiene	Ave	0.3624	0.3859	0.0100	10600	10000	6.5	20.0
4-Chloro-3-methylphenol	Ave	0.3448	0.3806		11000	10000	10.4	20.0
2-Methylnaphthalene	Ave	0.6418	0.7386	0.4000	11500	10000	15.1	20.0
1-Methylnaphthalene	Ave	0.5774	0.6525	0.0100	11300	10000	13.0	20.0
Hexachlorocyclopentadiene	Ave	0.6483	0.6519	0.0500	10100	10000	0.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.9017	0.9068	0.0100	10100	10000	0.6	20.0
2-tertbutyl-4-methylphenol	Ave	0.5458	0.5889	0.0100	10800	10000	7.9	20.0
2,4,6-Trichlorophenol	Lin2		0.4695	0.2000	9730	10000	-2.7	20.0
2,4,5-Trichlorophenol	Ave	0.5059	0.5257	0.2000	10400	10000	3.9	20.0
1,1'-Biphenyl	Ave	1.392	1.533	0.0100	11000	10000	10.2	20.0
2-Chloronaphthalene	Ave	1.212	1.261	0.8000	10400	10000	4.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386455/2 Calibration Date: 08/24/2016 07:40

Instrument ID: CBNAMS6 Calib Start Date: 08/23/2016 10:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/23/2016 12:39

Lab File ID: M231673.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.7733	0.8398	0.0100	10900	10000	8.6	20.0
2-Nitroaniline	Ave	0.4940	0.5053	0.0100	10200	10000	2.3	20.0
1,3-Dimethylnaphthalene	Ave	0.8614	0.8799	0.0100	10200	10000	2.2	20.0
Coumarin	Ave	0.2303	0.2454	0.0100	10700	10000	6.6	20.0
Dimethyl phthalate	Ave	1.360	1.410	0.0100	10400	10000	3.6	20.0
2,6-Dinitrotoluene	Ave	0.3216	0.3299	0.2000	10300	10000	2.6	20.0
Acenaphthylene	Ave	1.483	1.546	0.9000	10400	10000	4.3	20.0
3-Nitroaniline	Ave	0.2929	0.2902	0.0100	9910	10000	-0.9	20.0
Acenaphthene	Ave	1.014	0.9683	0.9000	9550	10000	-4.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.165	1.238	0.0100	10600	10000	6.3	20.0
2,4-Dinitrophenol	Lin2		0.2055	0.0100	17700	20000	-11.3	20.0
Dibenzofuran	Ave	1.471	1.509	0.8000	10300	10000	2.6	20.0
2,4-Dinitrotoluene	Ave	0.3875	0.4177	0.2000	10800	10000	7.8	20.0
4-Nitrophenol	Ave	0.3423	0.3465	0.0100	20200	20000	1.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.4675	0.5231	0.0100	11200	10000	11.9	20.0
Diethyl phthalate	Ave	1.396	1.381	0.0100	9900	10000	-1.0	20.0
Fluorene	Ave	1.173	1.267	0.9000	10800	10000	8.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.7047	0.7962	0.4000	11300	10000	13.0	20.0
4-Nitroaniline	Ave	0.2433	0.2236	0.0100	9190	10000	-8.1	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.2092	0.0100	21200	20000	6.0	20.0
N-Nitrosodiphenylamine	Ave	0.5150	0.5455	0.0100	10600	10000	5.9	20.0
1,2-Diphenylhydrazine	Ave	0.9801	1.084	0.0100	11100	10000	10.6	20.0
4-Bromophenyl phenyl ether	Ave	0.3509	0.3662	0.1000	10400	10000	4.4	20.0
Hexachlorobenzene	Ave	0.4528	0.4641	0.1000	10200	10000	2.5	20.0
Pentachloronitrobenzene	Qua		0.1937	0.0100	10700	10000	6.8	20.0
Pentachlorophenol	Ave	0.2296	0.2563	0.0500	22300	20000	11.6	20.0
n-Octadecane	Ave	0.4698	0.5756	0.0100	12300	10000	22.5*	20.0
Phenanthrene	Ave	0.9329	0.9701	0.7000	10400	10000	4.0	20.0
Anthracene	Ave	0.9700	0.9726	0.7000	10000	10000	0.3	20.0
Carbazole	Ave	0.8136	0.8461	0.0100	10400	10000	4.0	20.0
Di-n-butyl phthalate	Ave	1.193	1.287	0.0100	10800	10000	8.0	20.0
Fluoranthene	Ave	1.048	1.102	0.6000	10500	10000	5.2	20.0
Benzidine	Ave	0.5953	0.5185		8710	10000	-12.9	20.0
Pyrene	Ave	1.090	1.068	0.6000	9800	10000	-2.0	20.0
Bisphenol-A	Ave	0.4657	0.4651		9990	10000	-0.1	20.0
Butyl benzyl phthalate	Ave	0.5098	0.5045	0.0100	9900	10000	-1.0	20.0
2,3,7,8-TCDD	Ave	0.1690	0.1803	0.0100	107	100	6.7	20.0
Carbamazepine	Ave	0.3613	0.4231	0.0100	11700	10000	17.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4627	0.4643	0.0100	10000	10000	0.3	20.0
Benzo[a]anthracene	Ave	1.048	1.121	0.8000	10700	10000	6.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386455/2 Calibration Date: 08/24/2016 07:40

Instrument ID: CBNAMS6 Calib Start Date: 08/23/2016 10:18

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/23/2016 12:39

Lab File ID: M231673.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	0.9560	1.016	0.7000	10600	10000	6.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6614	0.6540	0.0100	9890	10000	-1.1	20.0
Di-n-octyl phthalate	Ave	1.139	1.176	0.0100	10300	10000	3.3	20.0
Benzo[b]fluoranthene	Ave	1.118	1.134	0.7000	10100	10000	1.5	20.0
Benzo[k]fluoranthene	Ave	1.104	1.135	0.7000	10300	10000	2.8	20.0
Benzo[a]pyrene	Ave	1.025	1.074	0.7000	10500	10000	4.7	20.0
Indeno[1,2,3-cd]pyrene	QuaF		1.121	0.5000	11000	10000	10.0	20.0
Dibenz(a,h)anthracene	Ave	0.9419	1.037	0.4000	11000	10000	10.0	20.0
Benzo[g,h,i]perylene	Ave	1.065	1.111	0.5000	10400	10000	4.2	20.0
2-Fluorophenol (Surr)	Ave	0.8781	1.078		12300	10000	22.7*	20.0
Phenol-d5 (Surr)	QuaF		1.701		10100	10000	0.6	20.0
Nitrobenzene-d5 (Surr)	Ave	0.6500	0.6592		10100	10000	1.4	20.0
2-Fluorobiphenyl	Ave	1.494	1.588		10600	10000	6.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.4454	0.4797		10800	10000	7.7	20.0
Terphenyl-d14 (Surr)	Ave	1.053	0.9845		9350	10000	-6.5	20.0

Report Date: 24-Aug-2016 12:28:43 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231673.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Aug-2016 07:40:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044785-002
Operator ID: Instrument ID: CBNAMS6
Sublist: chrom-8270LVI_R6*sub31

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 12:28:41 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: bayoumiw Date: 24-Aug-2016 12:28:41

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.132	1.132	0.000	86	178849	10.0	9.62	
	2 N-Nitrosodimethylamine	74	1.334	1.334	0.000	56	337730	10.0	10.7	
	3 Pyridine	79	1.350	1.350	0.000	71	501848	10.0	11.9	
$	4 2-Fluorophenol	112	2.427	2.427	0.000	73	416358	10.0	12.3	
	8 Aniline	93	3.309	3.309	0.000	86	661509	10.0	11.8	
$	6 Phenol-d5	99	3.366	3.366	0.000	73	657154	10.0	10.1	
	7 Phenol	94	3.374	3.374	0.000	69	700930	10.0	12.3	
	9 Bis(2-chloroethyl)ether	93	3.374	3.374	0.000	78	548530	10.0	9.56	
	10 Benzonitrile	103	3.382	3.382	0.000	82	959917	NC	NC	
	11 2-Chlorophenol	128	3.447	3.447	0.000	75	439567	10.0	11.6	
	12 n-Decane	43	3.479	3.479	0.000	85	589063	10.0	10.9	
	13 1,3-Dichlorobenzene	146	3.568	3.568	0.000	88	604101	10.0	11.5	
*	14 1,4-Dichlorobenzene-d4	152	3.625	3.625	0.000	91	309127	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.642	3.642	0.000	83	577324	10.0	10.6	
	18 1,2-Dichlorobenzene	146	3.796	3.796	0.000	87	577848	10.0	11.3	
	17 Benzyl alcohol	108	3.813	3.813	0.000	77	242864	10.0	11.3	
	20 2,2'-oxybis[1-chloropropan	45	3.933	3.933	0.000	76	740097	10.0	11.4	
	19 2-Methylphenol	108	3.981	3.981	0.000	59	369855	10.0	11.5	
	23 N-Methylaniline	106	4.054	4.054	0.000	71	724456	NC	NC	
	24 Acetophenone	105	4.063	4.063	0.000	82	830701	10.0	11.2	
	25 N-Nitrosodi-n-propylamine	70	4.087	4.087	0.000	92	564663	10.0	12.0	
	27 Hexachloroethane	117	4.136	4.136	0.000	84	316077	10.0	12.3	
	26 3 & 4 Methylphenol	108	4.152	4.152	0.000	66	402130	10.0	11.5	
	21 4-Methylphenol	108	4.152	4.152	0.000	74	402130	10.0	11.6	
$	28 Nitrobenzene-d5	82	4.209	4.209	0.000	96	850569	10.0	10.1	
	29 Nitrobenzene	77	4.233	4.233	0.000	79	1130279	10.0	10.7	
	30 n,n'-Dimethylaniline	120	4.233	4.233	0.000	65	677288	10.0	9.13	
	31 Isophorone	82	4.483	4.483	0.000	93	1292567	10.0	10.5	
	32 2-Nitrophenol	139	4.557	4.557	0.000	59	323382	10.0	11.6	
	33 2,4-Dimethylphenol	122	4.671	4.671	0.000	76	400266	10.0	11.3	
	34 Bis(2-chloroethoxy)methane	93	4.728	4.728	0.000	88	550475	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.842	4.842	0.000	85	518990	10.0	10.3	
35 Benzoic acid	122	4.874	4.874	0.000	32	283867	10.0	13.3	M
37 1,2,4-Trichlorobenzene	180	4.882	4.882	0.000	91	642880	10.0	11.3	
* 38 Naphthalene-d8	136	4.931	4.931	0.000	98	1032254	8.00	8.00	
39 Naphthalene	128	4.947	4.947	0.000	94	1141448	10.0	10.2	
40 4-Chloroaniline	127	5.045	5.045	0.000	90	579563	10.0	10.9	
41 Hexachlorobutadiene	225	5.093	5.093	0.000	92	497906	10.0	10.6	
44 4-Chloro-3-methylphenol	107	5.596	5.596	0.000	87	491068	10.0	11.0	
45 2-Methylnaphthalene	142	5.653	5.653	0.000	81	953074	10.0	11.5	
46 1-Methylnaphthalene	142	5.743	5.743	0.000	86	841984	10.0	11.3	
47 Hexachlorocyclopentadiene	237	5.816	5.816	0.000	94	563381	10.0	10.1	
48 1,2,4,5-Tetrachlorobenzene	216	5.824	5.824	0.000	95	783735	10.0	10.1	
49 2-tertbutyl-4-methylphenol	149	5.921	5.921	0.000	85	759867	10.0	10.8	
50 2,4,6-Trichlorophenol	196	5.970	5.970	0.000	84	405766	10.0	9.73	
51 2,4,5-Trichlorophenol	196	6.027	6.027	0.000	91	454353	10.0	10.4	
$ 52 2-Fluorobiphenyl	172	6.035	6.035	0.000	96	1372431	10.0	10.6	
53 1,1'-Biphenyl	154	6.125	6.125	0.000	97	1324872	10.0	11.0	
54 2-Chloronaphthalene	162	6.133	6.133	0.000	95	1089903	10.0	10.4	
55 Phenyl ether	170	6.231	6.231	0.000	88	725830	10.0	10.9	
57 2-Nitroaniline	65	6.272	6.272	0.000	82	436754	10.0	10.2	M
58 1,3-Dimethylnaphthalene	156	6.354	6.354	0.000	88	760514	10.0	10.2	
60 Coumarin	146	6.460	6.460	0.000	76	316655	10.0	10.7	
59 Dimethyl phthalate	163	6.468	6.468	0.000	97	1218419	10.0	10.4	
61 2,6-Dinitrotoluene	165	6.517	6.517	0.000	84	285125	10.0	10.3	
62 Acenaphthylene	152	6.542	6.542	0.000	96	1336298	10.0	10.4	
* 64 Acenaphthene-d10	164	6.679	6.679	0.000	89	691424	8.00	8.00	
63 3-Nitroaniline	138	6.679	6.679	0.000	82	250821	10.0	9.91	
66 Acenaphthene	154	6.710	6.710	0.000	94	836921	10.0	9.55	
65 3,5-di-tert-butyl-4-hydrox	205	6.735	6.735	0.000	97	1070339	10.0	10.6	
67 2,4-Dinitrophenol	184	6.784	6.784	0.000	78	355170	20.0	17.7	
71 Dibenzofuran	168	6.882	6.882	0.000	91	1304540	10.0	10.3	
70 2,4-Dinitrotoluene	165	6.906	6.906	0.000	83	360987	10.0	10.8	
69 4-Nitrophenol	65	6.947	6.947	0.000	83	599001	20.0	20.2	
72 2,3,4,6-Tetrachlorophenol	232	7.037	7.037	0.000	96	452128	10.0	11.2	
73 Diethyl phthalate	149	7.160	7.160	0.000	95	1193976	10.0	9.90	
75 Fluorene	166	7.217	7.217	0.000	94	1094874	10.0	10.8	
74 4-Chlorophenyl phenyl ethe	204	7.232	7.232	0.000	83	688160	10.0	11.3	
76 4-Nitroaniline	138	7.297	7.297	0.000	84	193253	10.0	9.19	
77 4,6-Dinitro-2-methylphenol	198	7.313	7.313	0.000	79	526577	20.0	21.2	
78 N-Nitrosodiphenylamine	169	7.361	7.361	0.000	64	686573	10.0	10.6	
79 1,2-Diphenylhydrazine	77	7.385	7.385	0.000	92	1364381	10.0	11.1	
$ 80 2,4,6-Tribromophenol	330	7.466	7.466	0.000	93	414586	10.0	10.8	
81 4-Bromophenyl phenyl ether	248	7.707	7.707	0.000	89	460922	10.0	10.4	
82 Hexachlorobenzene	284	7.756	7.756	0.000	94	584123	10.0	10.2	
85 Pentachloronitrobenzene	237	7.973	7.973	0.000	89	243758	10.0	10.7	
84 Pentachlorophenol	266	7.981	7.981	0.000	93	645101	20.0	22.3	
86 n-Octadecane	57	8.076	8.076	0.000	90	724490	10.0	12.3	
* 87 Phenanthrene-d10	188	8.125	8.125	0.000	97	1006973	8.00	8.00	
88 Phenanthrene	178	8.150	8.150	0.000	97	1221079	10.0	10.4	
89 Anthracene	178	8.199	8.199	0.000	97	1224241	10.0	10.0	
90 Carbazole	167	8.383	8.383	0.000	98	1064955	10.0	10.4	
91 Di-n-butyl phthalate	149	8.739	8.739	0.000	98	1620539	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.306	9.306	0.000	97	1387546	10.0	10.5	
93 Benzidine	184	9.467	9.467	0.000	96	652633	10.0	8.71	
94 Pyrene	202	9.524	9.524	0.000	97	1450415	10.0	9.80	
95 Bisphenol-A	213	9.638	9.638	0.000	0	631359	10.0	9.99	
$ 96 Terphenyl-d14	244	9.694	9.694	0.000	98	1336521	10.0	9.35	
97 Butyl benzyl phthalate	149	10.197	10.197	0.000	97	684910	10.0	9.90	
98 2,3,7,8-TCDD	320	10.262	10.262	0.000	1	2448	0.1000	0.1067	
99 Carbamazepine	193	10.295	10.295	0.000	88	574337	10.0	11.7	
100 3,3'-Dichlorobenzidine	252	10.724	10.724	0.000	78	630319	10.0	10.0	
101 Benzo[a]anthracene	228	10.724	10.724	0.000	95	1521186	10.0	10.7	
* 102 Chrysene-d12	240	10.739	10.739	0.000	97	1086067	8.00	8.00	
104 Chrysene	228	10.770	10.770	0.000	99	1378946	10.0	10.6	
103 Bis(2-ethylhexyl) phthalat	149	10.819	10.819	0.000	88	887840	10.0	9.89	
105 Di-n-octyl phthalate	149	11.579	11.579	0.000	96	1480853	10.0	10.3	
106 Benzo[b]fluoranthene	252	11.975	11.975	0.000	94	1427677	10.0	10.1	
107 Benzo[k]fluoranthene	252	12.007	12.007	0.000	94	1429068	10.0	10.3	
108 Benzo[a]pyrene	252	12.373	12.373	0.000	97	1351448	10.0	10.5	
* 109 Perylene-d12	264	12.446	12.446	0.000	97	1006980	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.792	13.792	0.000	92	1410970	10.0	11.0	
111 Dibenz(a,h)anthracene	278	13.825	13.825	0.000	97	1304759	10.0	11.0	
112 Benzo[g,h,i]perylene	276	14.117	14.117	0.000	93	1397863	10.0	10.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL6_00040 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2016 12:28:43 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231673.D

Injection Date: 24-Aug-2016 07:40:30 Instrument ID: CBNAMS6 Operator ID:

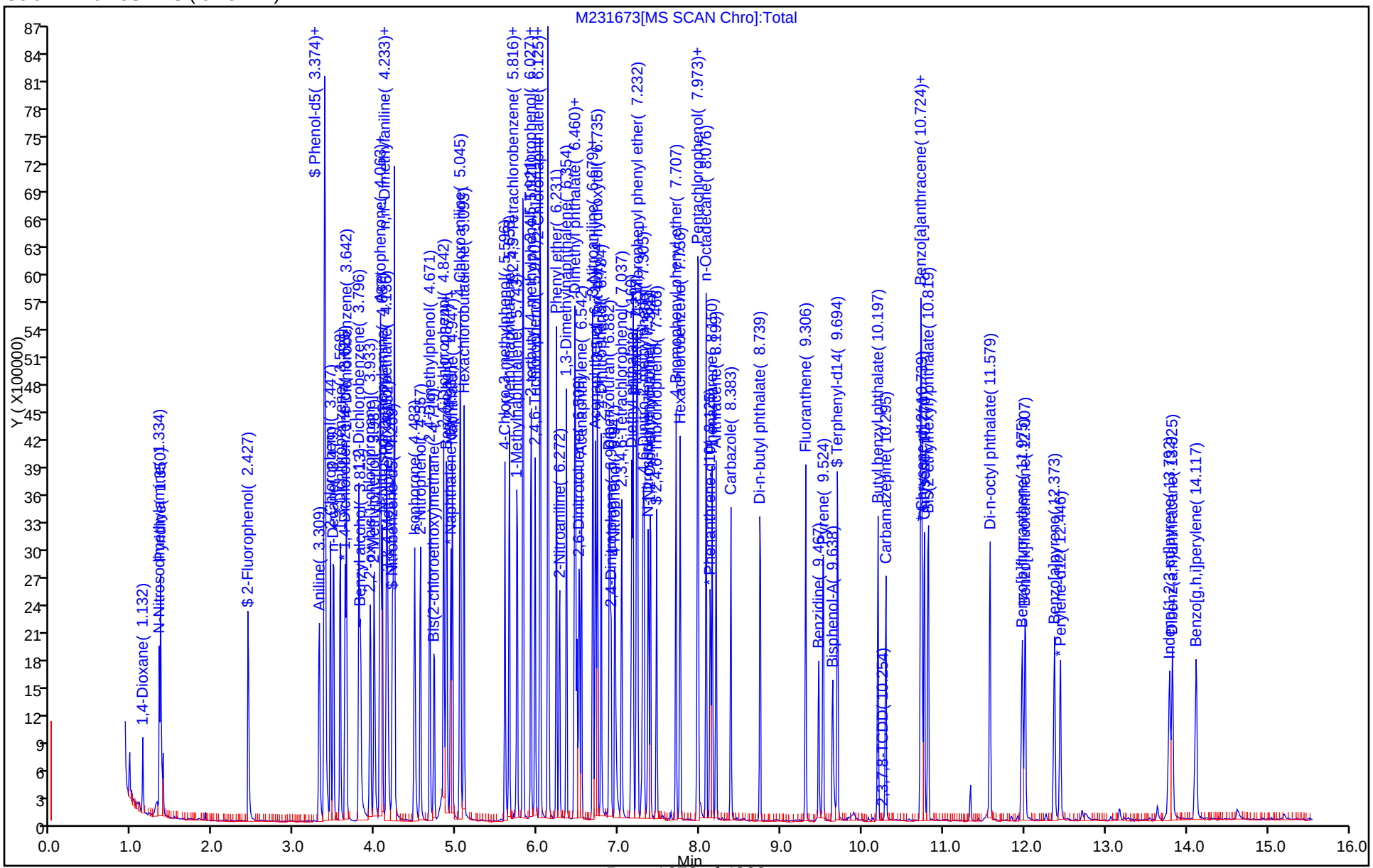
Lims ID: ccvis Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

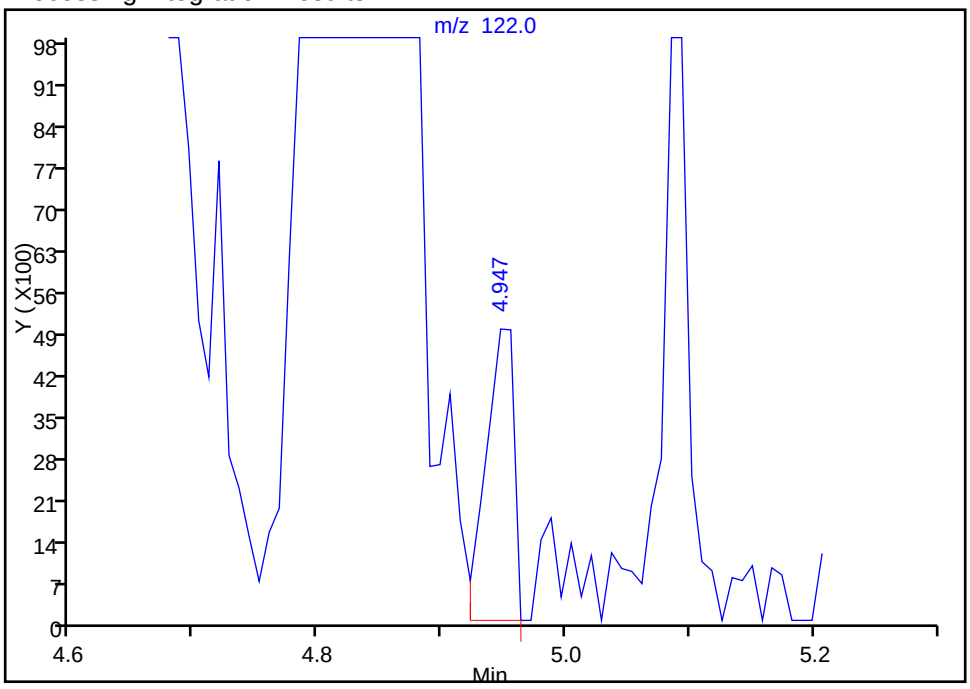
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231673.D				
Injection Date:	24-Aug-2016 07:40:30	Instrument ID:	CBNAMS6		
Lims ID:	ccvis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

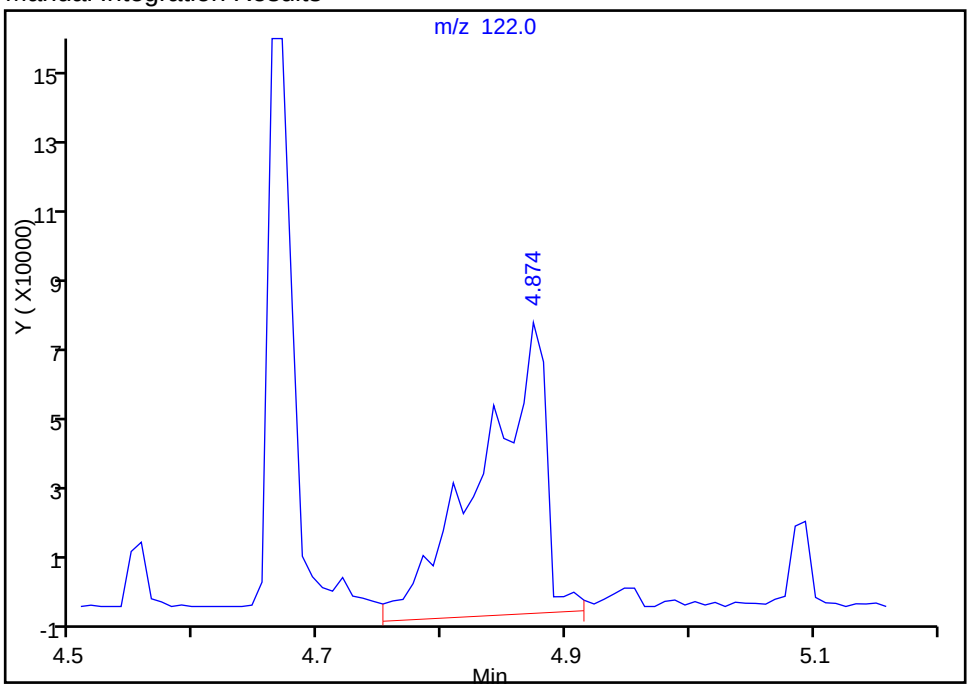
Processing Integration Results

RT: 4.95
Area: 7801
Amount: 0.366062
Amount Units: ug/ml



Manual Integration Results

RT: 4.87
Area: 283867
Amount: 13.320471
Amount Units: ug/ml



Reviewer: nimerd, 24-Aug-2016 07:58:38

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

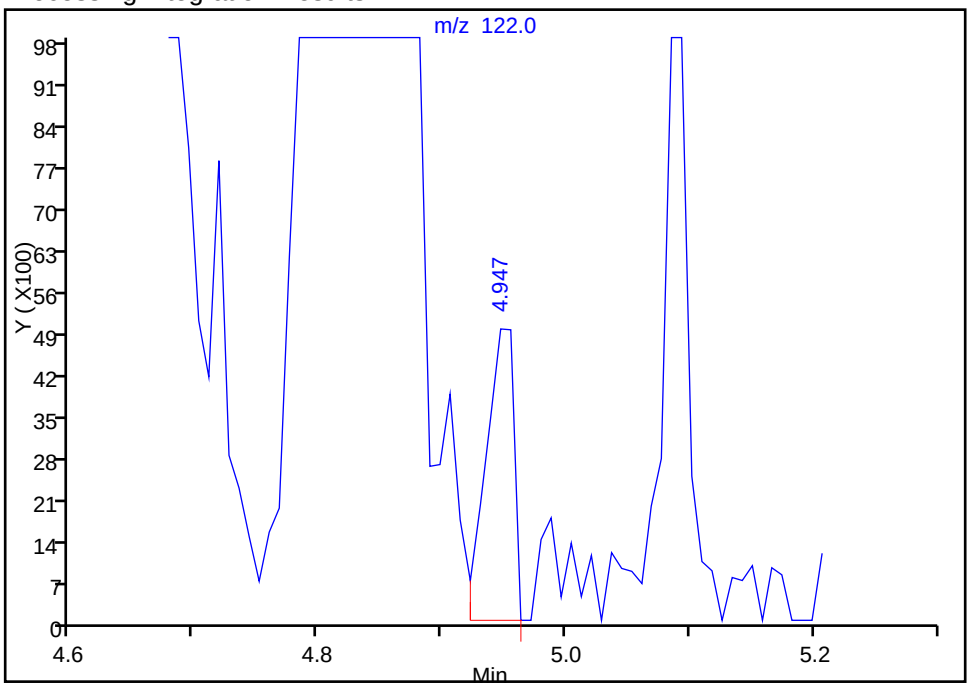
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231673.D				
Injection Date:	24-Aug-2016 07:40:30	Instrument ID:	CBNAMS6		
Lims ID:	ccvis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

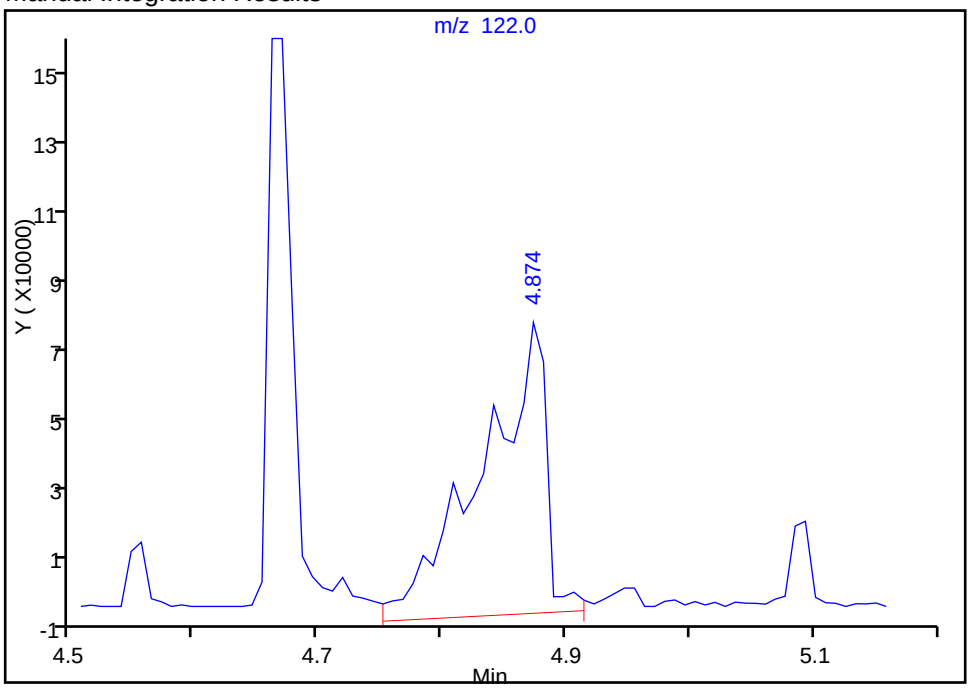
Processing Integration Results

RT: 4.95
Area: 7801
Amount: 0.366062
Amount Units: ug/ml



Manual Integration Results

RT: 4.87
Area: 283867
Amount: 13.320471
Amount Units: ug/ml



Reviewer: nimerd, 24-Aug-2016 07:58:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

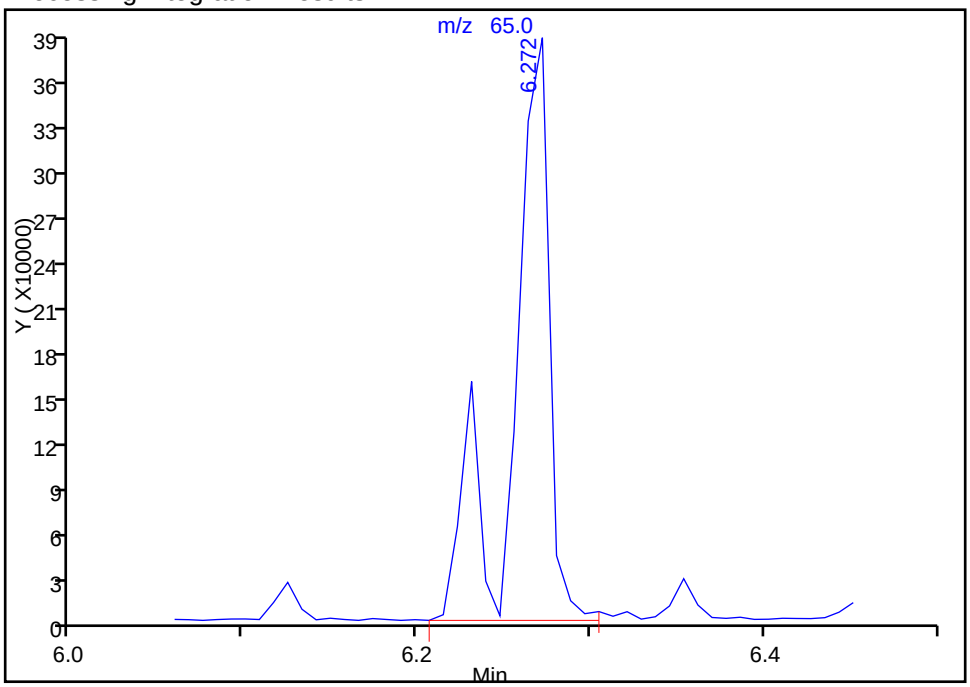
Data File:	\\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231673.D				
Injection Date:	24-Aug-2016 07:40:30	Instrument ID:	CBNAMS6		
Lims ID:	ccvis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

57 2-Nitroaniline, CAS: 88-74-4

Signal: 1

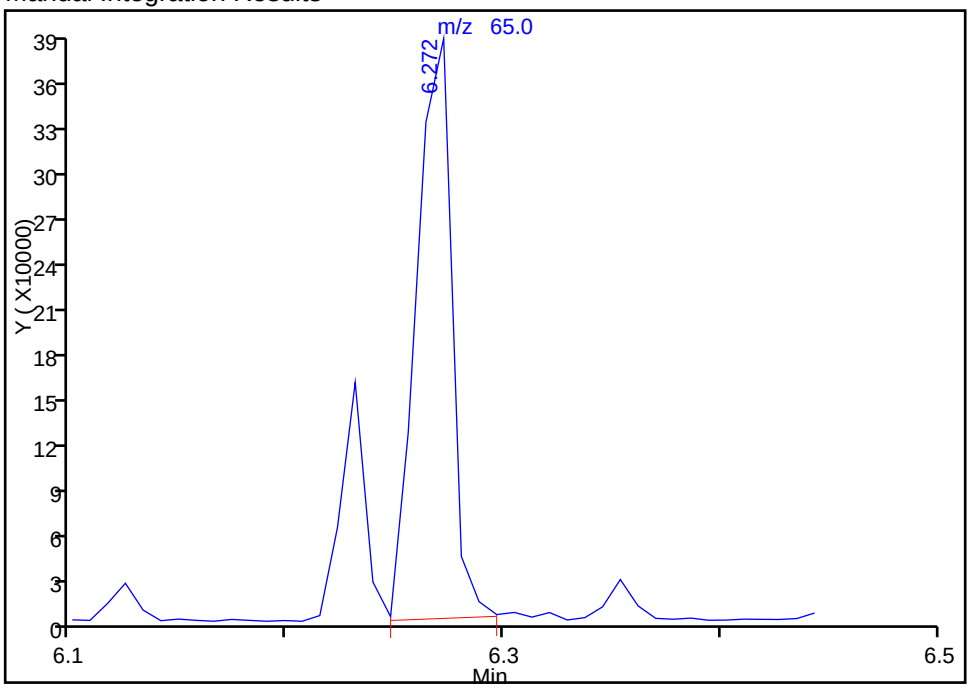
Processing Integration Results

RT: 6.27
Area: 568541
Amount: 13.316157
Amount Units: ug/ml



Manual Integration Results

RT: 6.27
Area: 436754
Amount: 10.229491
Amount Units: ug/ml



Reviewer: nimerd, 24-Aug-2016 07:58:38

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810970.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 08-Aug-2016 06:29:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044216-001
Misc. Info.: DFTPP
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 08-Aug-2016 14:24:04 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: manlangitf Date: 08-Aug-2016 06:46:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.810	4.810	0.000	94	17671	NR	NR	
56 Benzidine_T	184	6.645	6.645	0.000	99	115596	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.316	7.316	0.000	88	716		NR	
127 4,4'-DDT	235	7.639	7.639	0.000	98	50193	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

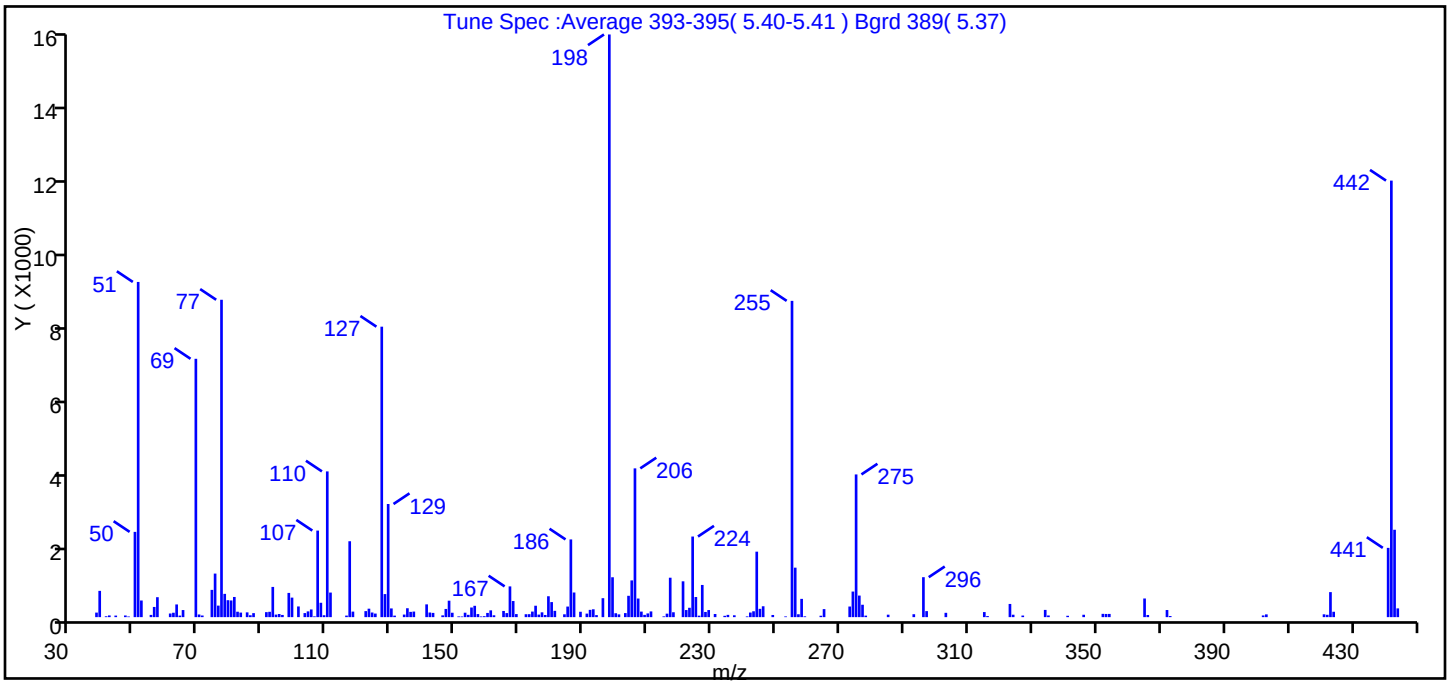
SMDFTP_CH_00018 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810970.D
Injection Date: 08-Aug-2016 06:29:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	57.5
68	<2% of mass 69	0.0 (0.0)
69	Present	44.3
70	<2% of mass 69	0.5 (1.0)
127	40-60% of mass 198	49.9
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.8
275	10-30% of mass 198	24.5
365	>1% of mass 198	3.2
441	Present but less than mass 443	11.9 (79.3)
442	>40% of mass 198	74.9
443	17-23% of mass 442	15.0 (20.0)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810970.D\8270_11R_9.rslt\spectra.d
Injection Date: 08-Aug-2016 06:29:30
Spectrum: Tune Spec :Average 393-395(5.40-5.41) Bgrd 389(5.37)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	120	108.00	379	177.00	127	245.00	219
39.00	693	109.00	50	178.00	57	246.00	287
40.00	1	110.00	3844	179.00	551	249.00	57
41.00	23	111.00	648	180.00	397	253.00	19
42.00	45	116.00	41	181.00	166	255.00	8342
44.00	41	117.00	2002	184.00	75	256.00	1305
47.00	44	118.00	146	185.00	279	257.00	76
48.00	17	122.00	159	186.00	2050	258.00	482
50.00	2249	123.00	223	187.00	650	259.00	21
51.00	8841	124.00	122	189.00	142	264.00	37
52.00	439	125.00	94	191.00	93	265.00	212
55.00	59	127.00	7661	192.00	192	273.00	280
56.00	269	128.00	608	193.00	207	274.00	675
57.00	526	129.00	2984	194.00	54	275.00	3764
61.00	96	130.00	230	196.00	500	276.00	569
62.00	116	131.00	40	198.00	15368	277.00	327
63.00	335	134.00	68	199.00	1052	278.00	40
64.00	41	135.00	235	200.00	103	285.00	65
65.00	187	136.00	139	201.00	73	293.00	77
69.00	6814	137.00	147	203.00	107	296.00	1054
70.00	70	141.00	337	204.00	563	297.00	159
71.00	43	142.00	122	205.00	969	303.00	114
74.00	719	143.00	112	206.00	3924	315.00	134
75.00	1149	146.00	47	207.00	491	316.00	28
76.00	304	147.00	216	208.00	146	323.00	348
77.00	8371	148.00	434	209.00	60	324.00	64
78.00	614	149.00	116	210.00	98	327.00	42
79.00	447	151.00	19	211.00	151	334.00	191
80.00	440	152.00	17	215.00	20	335.00	44
81.00	532	153.00	117	216.00	92	341.00	36
82.00	143	154.00	61	217.00	1040	346.00	63
83.00	120	155.00	254	218.00	129	352.00	87
85.00	126	156.00	299	221.00	945	353.00	84

Report Date: 08-Aug-2016 14:24:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810970.D\8270_11R_9.rslt\spectra.d
Injection Date: 08-Aug-2016 06:29:30
Spectrum: Tune Spec :Average 393-395(5.40-5.41) Bgrd 389(5.37)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 195

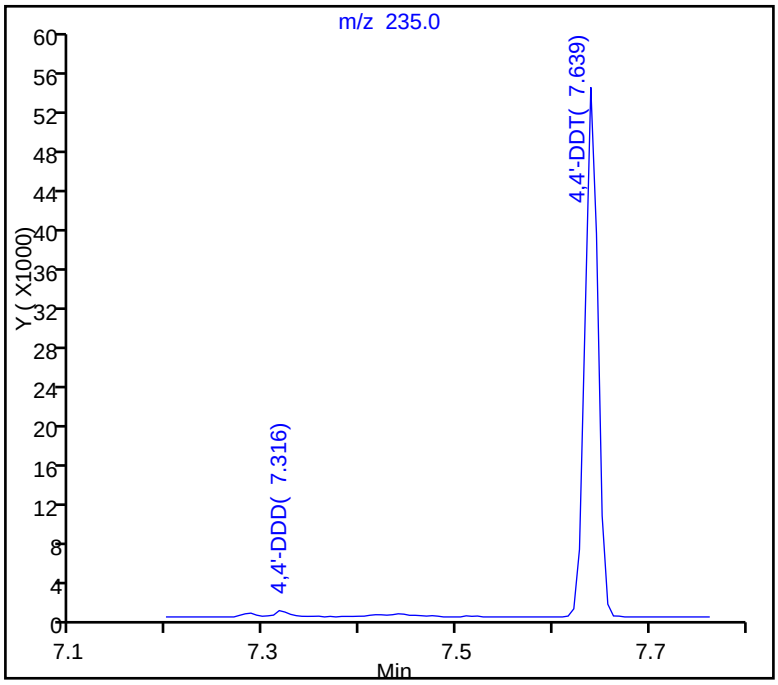
m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	50	157.00	81	222.00	187	354.00	85
87.00	106	158.00	18	223.00	247	365.00	492
91.00	132	159.00	25	224.00	2126	366.00	57
92.00	141	160.00	111	225.00	531	372.00	188
93.00	797	161.00	179	226.00	39	373.00	29
94.00	67	162.00	49	227.00	849	402.00	45
95.00	83	165.00	163	228.00	137	403.00	73
96.00	58	166.00	107	229.00	187	421.00	75
98.00	639	167.00	811	231.00	83	422.00	62
99.00	515	168.00	425	234.00	35	423.00	660
101.00	282	169.00	81	235.00	60	424.00	142
103.00	107	172.00	77	237.00	49	441.00	1827
104.00	152	173.00	78	241.00	19	442.00	11514
105.00	203	174.00	147	242.00	121	443.00	2305
106.00	20	175.00	301	243.00	155	444.00	231
107.00	2283	176.00	67	244.00	1727		

Breakdown Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810970.D
Injection Date: 08-Aug-2016 06:29:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 50193
126 4,4'-DDD, Area = 716
125 4,4'-DDE, Area = 0

%Breakdown: 1.41%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

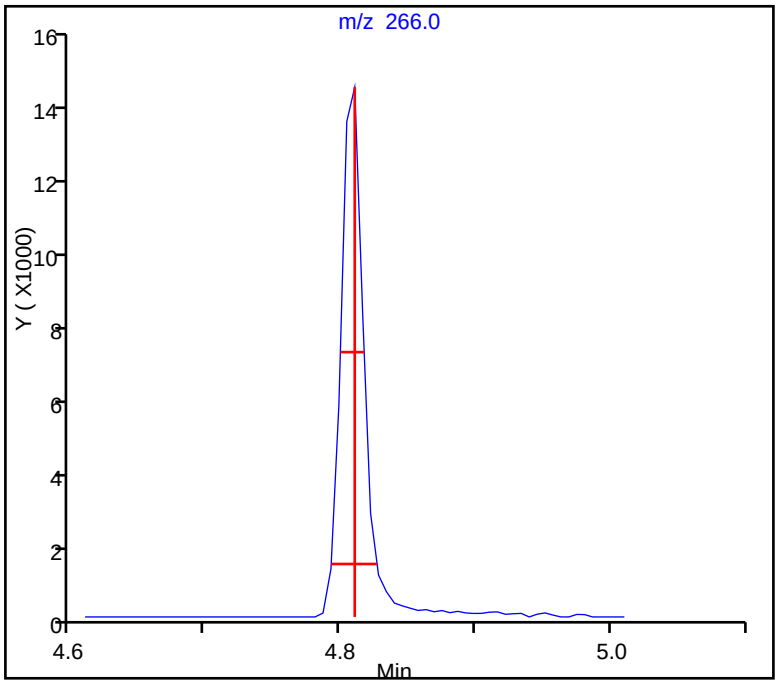
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810970.D
Injection Date: 08-Aug-2016 06:29:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

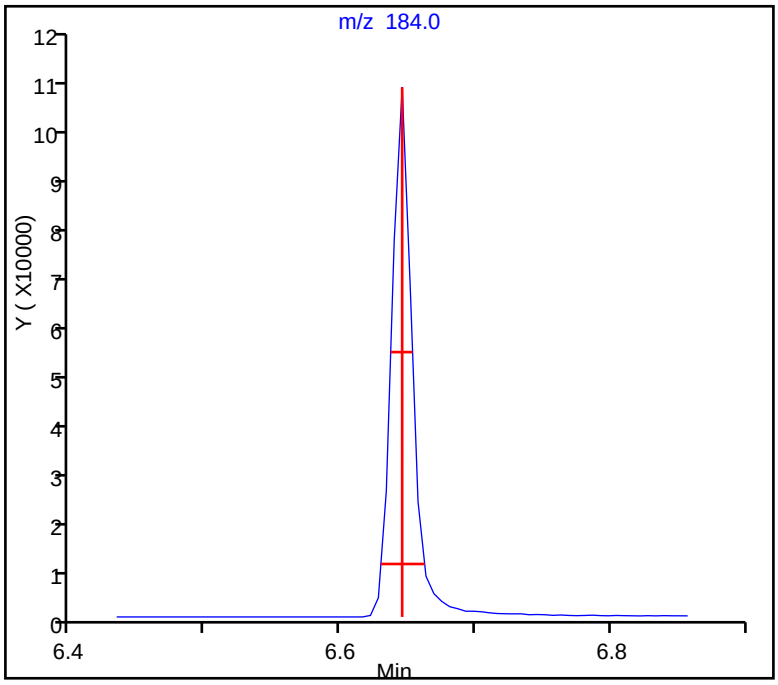
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810970.D
Injection Date: 08-Aug-2016 06:29:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811356.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Aug-2016 07:09:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044693-001
Misc. Info.: DFTPP
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 11:22:31 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: nimerd Date: 22-Aug-2016 07:40:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.316	4.316	0.000	94	12172	NR	NR	
56 Benzidine_T	184	6.157	6.157	0.000	99	84036	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	6.904	6.904	0.000	85	595		NR	
127 4,4'-DDT	235	7.151	7.151	0.000	99	35822	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

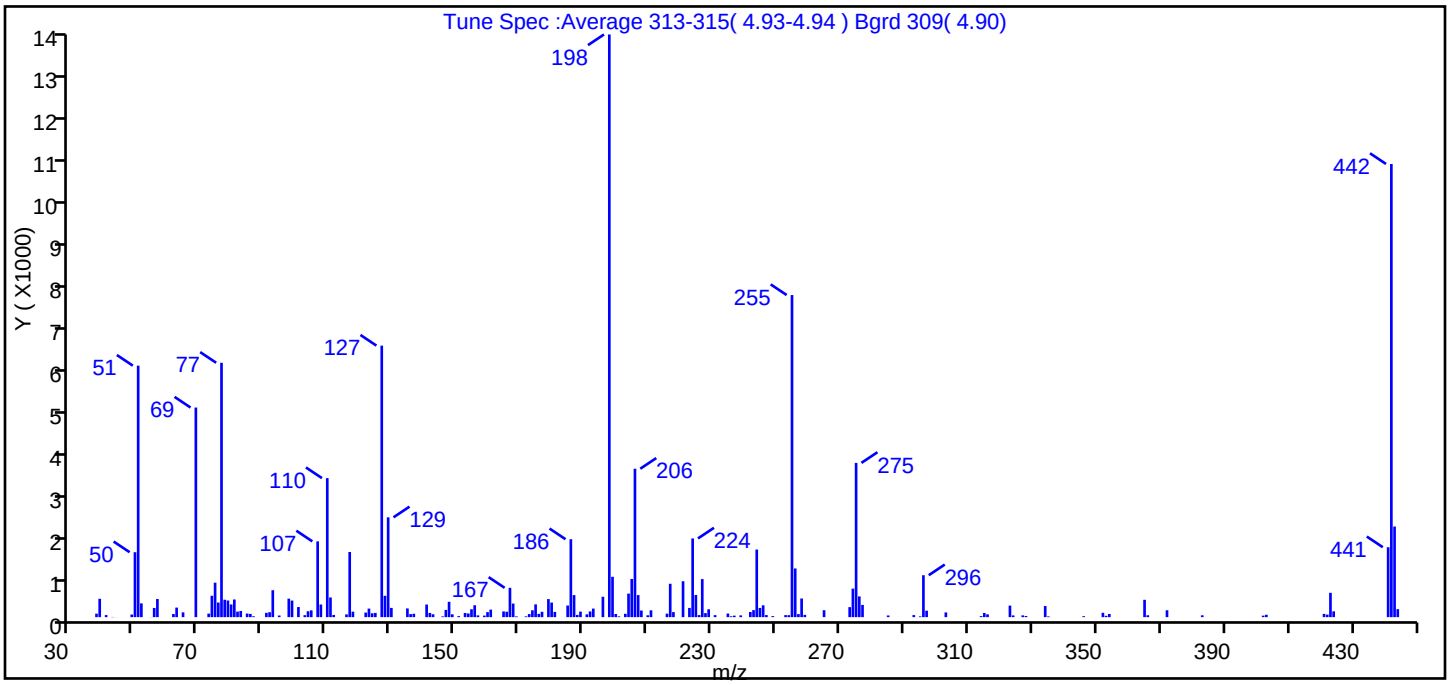
SMDFTP_CH_00018 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811356.D
Injection Date: 22-Aug-2016 07:09:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	43.2
68	<2% of mass 69	0.0 (0.0)
69	Present	36.0
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	46.6
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-30% of mass 198	26.5
365	>1% of mass 198	3.0
441	Present but less than mass 443	12.0 (77.2)
442	>40% of mass 198	77.8
443	17-23% of mass 442	15.6 (20.0)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811356.D\8270_11R_9.rslt\spectra.d
Injection Date: 22-Aug-2016 07:09:30
Spectrum: Tune Spec :Average 313-315(4.93-4.94) Bgrd 309(4.90)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	81	112.00	50	185.00	270	254.00	46
39.00	427	116.00	64	186.00	1812	255.00	7490
40.00	1	117.00	1515	187.00	513	256.00	1132
41.00	48	118.00	127	188.00	52	257.00	71
43.00	5	122.00	106	189.00	129	258.00	434
44.00	2	123.00	199	191.00	66	259.00	53
49.00	61	124.00	90	192.00	133	265.00	161
50.00	1510	125.00	98	193.00	199	273.00	233
51.00	5848	127.00	6314	196.00	474	274.00	663
52.00	320	128.00	496	198.00	13549	275.00	3587
55.00	3	129.00	2321	199.00	938	276.00	482
56.00	214	130.00	215	200.00	73	277.00	284
57.00	422	135.00	203	201.00	18	285.00	39
62.00	74	136.00	71	203.00	78	293.00	48
63.00	222	137.00	79	204.00	547	295.00	17
65.00	112	141.00	293	205.00	888	296.00	975
69.00	4874	142.00	98	206.00	3451	297.00	150
73.00	82	143.00	67	207.00	513	303.00	110
74.00	497	146.00	17	208.00	154	314.00	24
75.00	801	147.00	168	210.00	43	315.00	97
76.00	340	148.00	357	211.00	159	316.00	65
77.00	5915	149.00	66	216.00	81	323.00	268
78.00	405	151.00	24	217.00	776	324.00	40
79.00	387	153.00	97	218.00	118	327.00	41
80.00	295	154.00	85	221.00	835	328.00	27
81.00	411	155.00	184	223.00	214	334.00	258
82.00	129	156.00	277	224.00	1830	335.00	17
83.00	143	157.00	41	225.00	516	346.00	22
85.00	84	159.00	36	226.00	48	352.00	101
86.00	75	160.00	117	227.00	885	353.00	31
87.00	20	161.00	175	228.00	94	354.00	74
91.00	100	165.00	133	229.00	183	365.00	403
92.00	115	166.00	126	231.00	47	366.00	44

Report Date: 22-Aug-2016 11:22:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811356.D\8270_11R_9.rslt\spectra.d
Injection Date: 22-Aug-2016 07:09:30
Spectrum: Tune Spec :Average 313-315(4.93-4.94) Bgrd 309(4.90)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 180

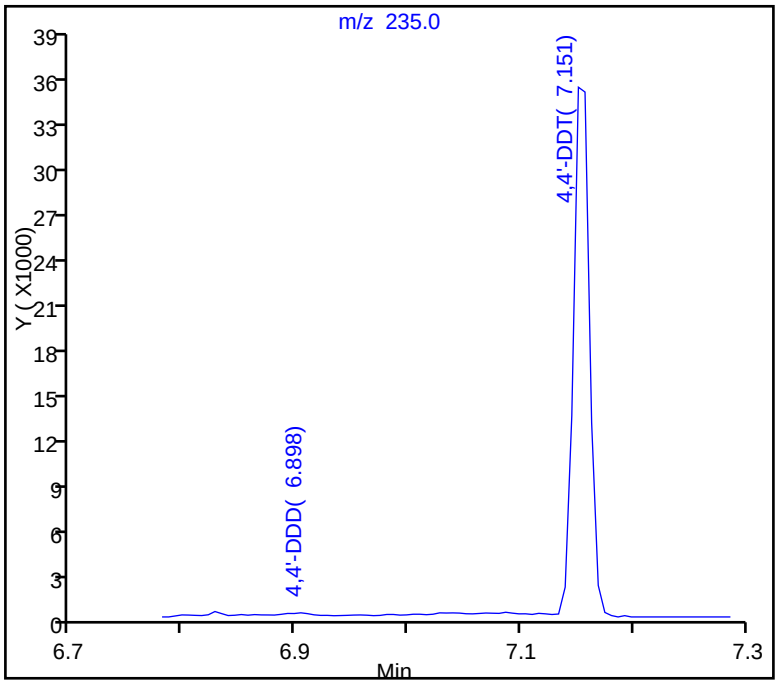
m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	626	167.00	682	235.00	84	372.00	160
95.00	38	168.00	316	236.00	20	383.00	43
98.00	430	169.00	17	237.00	35	402.00	35
99.00	385	172.00	18	239.00	41	403.00	56
101.00	235	173.00	72	242.00	120	421.00	76
103.00	46	174.00	159	243.00	163	422.00	59
104.00	137	175.00	297	244.00	1572	423.00	566
105.00	158	176.00	76	245.00	214	424.00	135
107.00	1762	177.00	125	246.00	275	441.00	1626
108.00	294	179.00	420	247.00	48	442.00	10538
110.00	3233	180.00	339	249.00	24	443.00	2107
111.00	458	181.00	122	253.00	47	444.00	186

Breakdown Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811356.D
Injection Date: 22-Aug-2016 07:09:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 35822
126 4,4'-DDD, Area = 595
125 4,4'-DDE, Area = 0

%Breakdown: 1.63%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

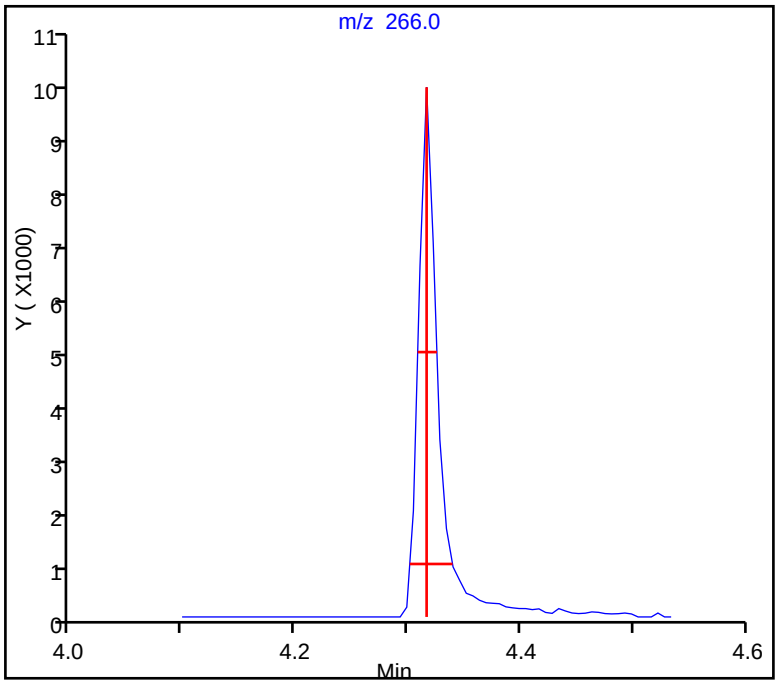
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811356.D
Injection Date: 22-Aug-2016 07:09:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.023 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

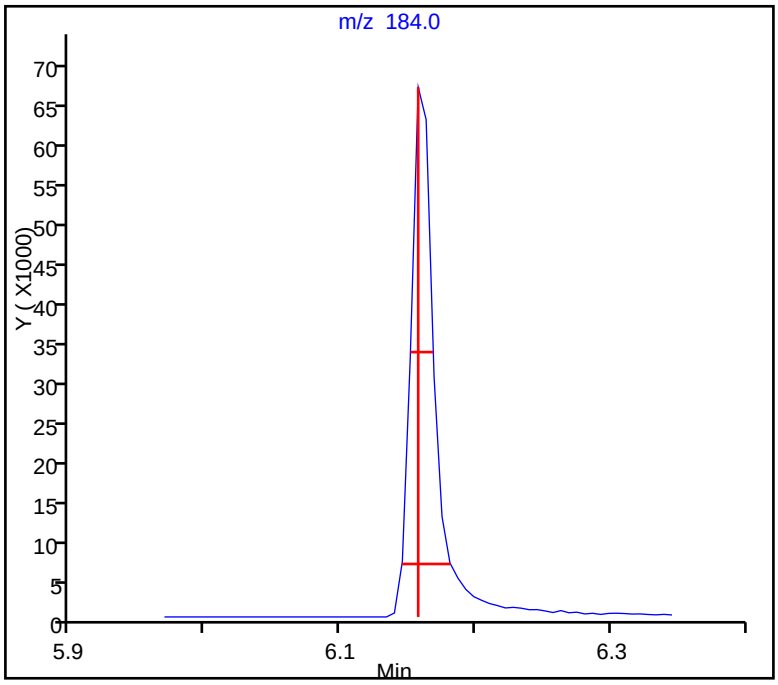
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811356.D
Injection Date: 22-Aug-2016 07:09:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.024 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 2.0, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811425.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 24-Aug-2016 06:48:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044784-001
Misc. Info.: DFTPP
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 16:11:12 Calib Date: 24-Aug-2016 10:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811434.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: nimerd Date: 24-Aug-2016 07:12:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.140	4.140	0.000	95	15754	NR	NR	
56 Benzidine_T	184	5.987	5.987	0.000	99	95479	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	6.704	6.704	0.000	81	297		NR	
127 4,4'-DDT	235	6.975	6.975	0.000	98	48926	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

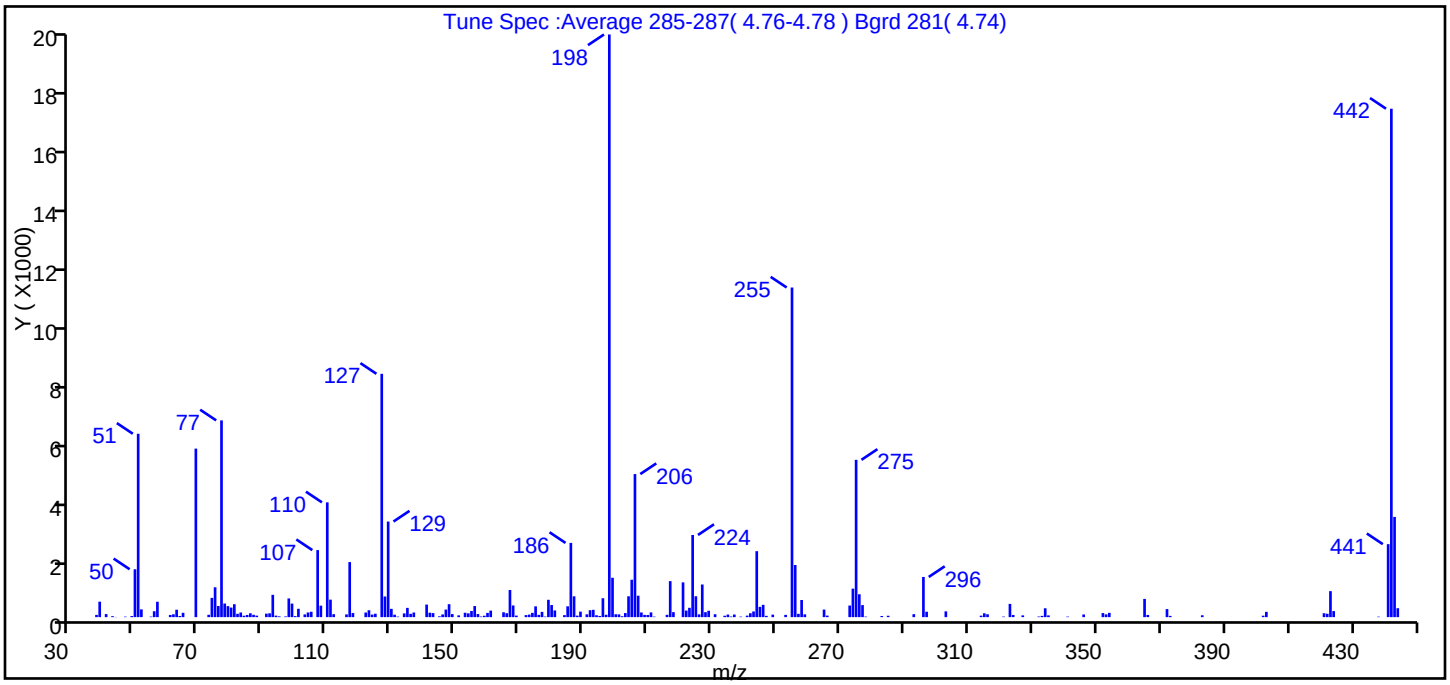
SMDFTP_CH_00018 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811425.D
Injection Date: 24-Aug-2016 06:48:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	31.5
68	<2% of mass 69	0.0 (0.0)
69	Present	28.9
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	41.8
197	<1% of mass 198	0.4
199	5-9% of mass 198	6.8
275	10-30% of mass 198	27.0
365	>1% of mass 198	3.1
441	Present but less than mass 443	12.5 (72.8)
442	>40% of mass 198	87.3
443	17-23% of mass 442	17.2 (19.7)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811425.D\8270_11R_9.rslt\spectra.d
Injection Date: 24-Aug-2016 06:48:30
Spectrum: Tune Spec :Average 285-287(4.76-4.78) Bgrd 281(4.74)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	74	116.00	91	187.00	687	256.00	1719
39.00	510	117.00	1816	188.00	50	257.00	109
41.00	101	118.00	135	189.00	181	258.00	565
43.00	32	122.00	152	191.00	93	259.00	92
44.00	6	123.00	228	192.00	229	265.00	250
47.00	17	124.00	85	193.00	242	266.00	51
49.00	36	125.00	113	194.00	63	273.00	383
50.00	1579	127.00	8025	195.00	39	274.00	940
51.00	6048	128.00	681	196.00	624	275.00	5188
52.00	256	129.00	3153	197.00	78	276.00	754
55.00	18	130.00	274	198.00	19216	277.00	397
56.00	195	131.00	81	199.00	1298	278.00	18
57.00	508	132.00	18	200.00	95	283.00	37
61.00	72	134.00	123	201.00	91	285.00	46
62.00	94	135.00	306	202.00	30	293.00	98
63.00	245	136.00	109	203.00	135	296.00	1325
64.00	37	137.00	153	204.00	688	297.00	178
65.00	143	141.00	414	205.00	1234	303.00	191
69.00	5558	142.00	146	206.00	4719	314.00	49
73.00	78	143.00	133	207.00	707	315.00	127
74.00	635	145.00	28	208.00	154	316.00	95
75.00	985	146.00	89	209.00	75	321.00	18
76.00	368	147.00	250	210.00	71	323.00	437
77.00	6489	148.00	427	211.00	156	324.00	72
78.00	449	149.00	101	212.00	17	327.00	58
79.00	364	151.00	59	216.00	77	332.00	20
80.00	316	153.00	145	217.00	1188	333.00	42
81.00	426	154.00	125	218.00	165	334.00	293
82.00	110	155.00	204	221.00	1147	335.00	58
83.00	153	156.00	366	222.00	217	341.00	18
84.00	47	157.00	102	223.00	308	346.00	88
85.00	73	158.00	20	224.00	2710	352.00	135
86.00	127	159.00	46	225.00	689	353.00	92

Report Date: 24-Aug-2016 16:11:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811425.D\8270_11R_9.rslt\spectra.d
Injection Date: 24-Aug-2016 06:48:30
Spectrum: Tune Spec :Average 285-287(4.76-4.78) Bgrd 281(4.74)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 209

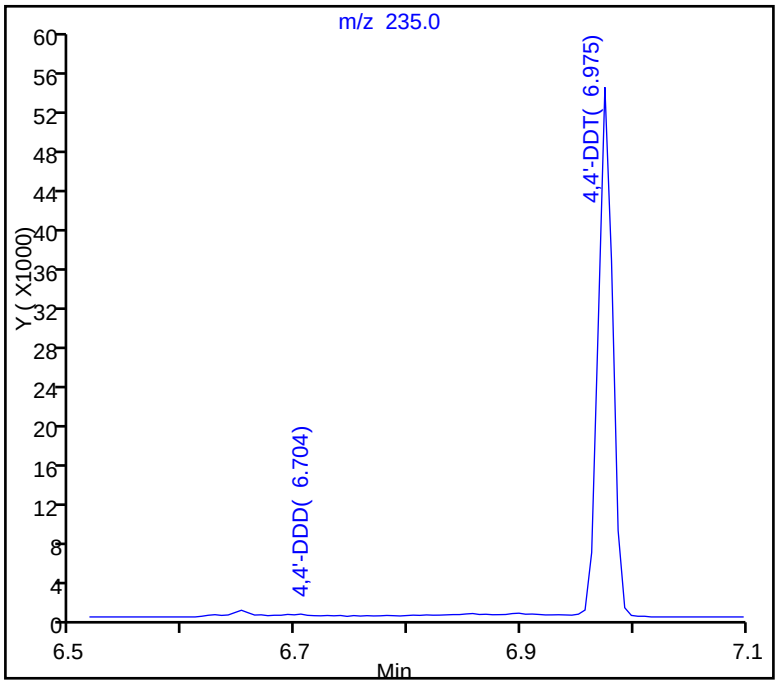
m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	77	160.00	140	226.00	91	354.00	142
88.00	50	161.00	216	227.00	1077	365.00	601
91.00	115	165.00	161	228.00	164	366.00	74
92.00	127	166.00	130	229.00	210	372.00	266
93.00	736	167.00	896	231.00	96	373.00	42
94.00	50	168.00	385	234.00	46	383.00	62
95.00	26	169.00	51	235.00	85	402.00	48
97.00	23	172.00	67	236.00	20	403.00	175
98.00	617	173.00	84	237.00	86	421.00	129
99.00	447	174.00	141	239.00	17	422.00	112
100.00	34	175.00	356	241.00	50	423.00	858
101.00	276	176.00	75	242.00	128	424.00	200
103.00	90	177.00	174	243.00	188	438.00	16
104.00	154	178.00	18	244.00	2176	441.00	2407
105.00	178	179.00	572	245.00	339	442.00	16768
107.00	2211	180.00	399	246.00	406	443.00	3305
108.00	378	181.00	221	247.00	43	444.00	295
110.00	3786	184.00	67	249.00	83		
111.00	577	185.00	357	253.00	75		
112.00	97	186.00	2448	255.00	10871		

Breakdown Report

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811425.D		
Injection Date:	24-Aug-2016 06:48:30	Instrument ID:	CBNAMS11
Lims ID:	dftpp		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 48926
126 4,4'-DDD, Area = 297
125 4,4'-DDE, Area = 0

%Breakdown: 0.60%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

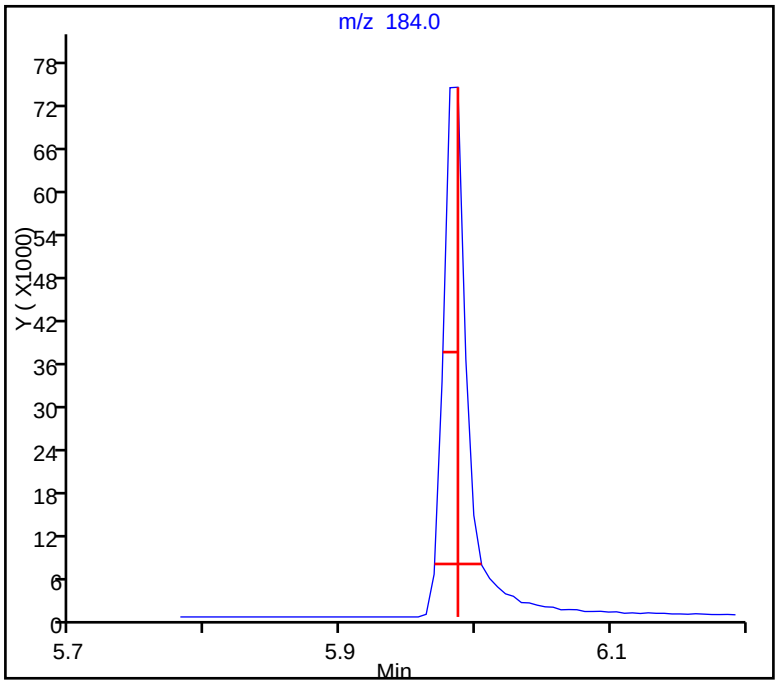
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811425.D
Injection Date: 24-Aug-2016 06:48:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

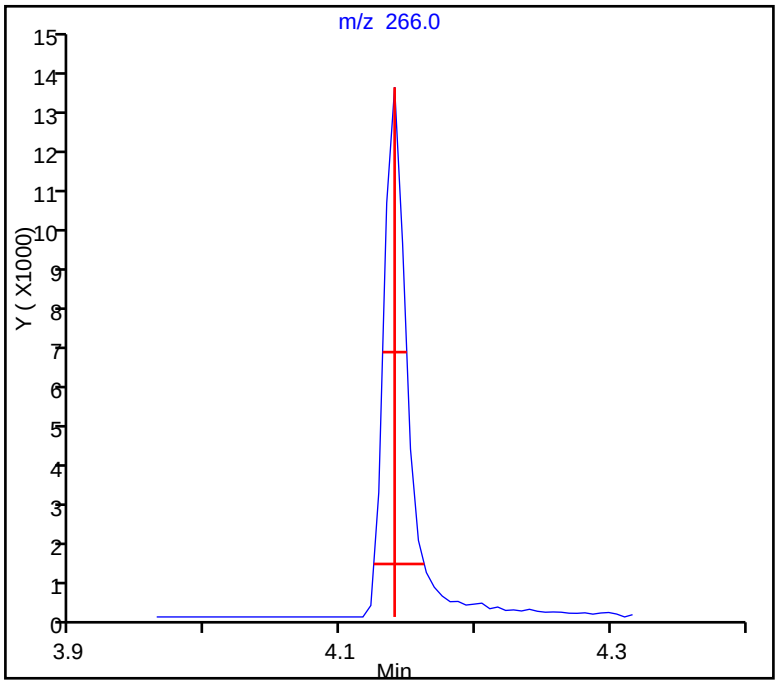
Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160824-44784.b\z41811425.D
Injection Date: 24-Aug-2016 06:48:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357558b.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 12-Aug-2016 12:11:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044338-001
Misc. Info.: DFTPP
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 14-Aug-2016 21:56:52 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: zhaoc Date: 12-Aug-2016 13:20:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	5.357	5.357	0.000	94	71550	NR	NR	
47 Benzidine_T	184	7.186	7.186	0.000	99	365926	NR	NR	
121 DFTPP									
123 4,4'-DDD	235	7.863	7.863	0.000	95	2391		NR	
124 4,4'-DDT	235	8.180	8.180	0.000	99	158561	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

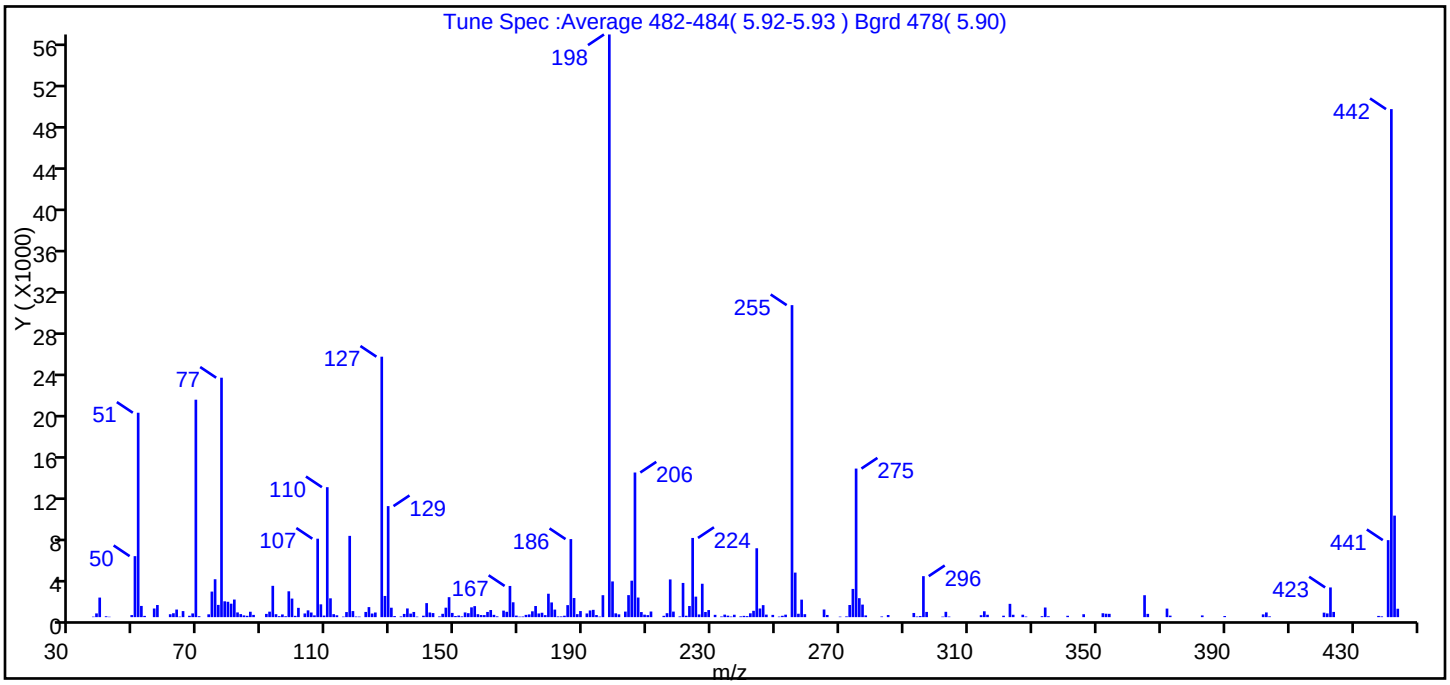
SMDFTP_CH_00018 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357558b.D
Injection Date: 12-Aug-2016 12:11:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	35.1
68	<2% of mass 69	0.6 (1.7)
69	Present	37.3
70	<2% of mass 69	0.2 (0.4)
127	40-60% of mass 198	44.7
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.1
275	10-30% of mass 198	25.5
365	>1% of mass 198	3.8
441	Present but less than mass 443	13.2 (75.9)
442	>40% of mass 198	87.2
443	17-23% of mass 442	17.4 (20.0)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357558b.D\8270_12R_9.rslt\spectra.d
Injection Date: 12-Aug-2016 12:11:30
Spectrum: Tune Spec :Average 482-484(5.92-5.93) Bgrd 478(5.90)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 239

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	51	117.00	7831	183.00	68	256.00	4292
38.00	361	118.00	584	184.00	137	257.00	326
39.00	1885	119.00	59	185.00	1158	258.00	1687
41.00	85	120.00	53	186.00	7521	259.00	286
42.00	37	122.00	501	187.00	1842	265.00	737
49.00	197	123.00	967	188.00	289	266.00	211
50.00	5878	124.00	349	189.00	586	270.00	50
51.00	19696	125.00	448	191.00	355	272.00	71
52.00	1080	127.00	25096	192.00	645	273.00	1169
53.00	121	128.00	2041	193.00	704	274.00	2718
56.00	832	129.00	10699	194.00	202	275.00	14315
57.00	1169	130.00	909	195.00	52	276.00	1828
61.00	280	131.00	103	196.00	2115	277.00	1208
62.00	377	133.00	68	198.00	56144	278.00	166
63.00	733	134.00	310	199.00	3442	283.00	64
64.00	50	135.00	838	200.00	366	285.00	206
65.00	583	136.00	340	201.00	269	293.00	402
67.00	131	137.00	499	203.00	535	294.00	58
68.00	359	138.00	50	204.00	2122	295.00	102
69.00	20952	140.00	138	205.00	3513	296.00	3950
70.00	88	141.00	1352	206.00	13936	297.00	503
73.00	272	142.00	447	207.00	1890	302.00	51
74.00	2463	143.00	392	208.00	489	303.00	513
75.00	3652	145.00	70	209.00	239	304.00	54
76.00	1180	146.00	322	210.00	194	314.00	187
77.00	23072	147.00	912	211.00	542	315.00	565
78.00	1525	148.00	1925	215.00	127	316.00	228
79.00	1481	149.00	408	216.00	381	321.00	139
80.00	1297	150.00	107	217.00	3634	323.00	1282
81.00	1696	151.00	154	218.00	535	324.00	229
82.00	454	152.00	72	220.00	68	327.00	234
83.00	293	153.00	452	221.00	3296	328.00	58
84.00	169	154.00	382	222.00	133	333.00	90

Report Date: 14-Aug-2016 21:56:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357558b.D\8270_12R_9.rslt\spectra.d
Injection Date: 12-Aug-2016 12:11:30
Spectrum: Tune Spec :Average 482-484(5.92-5.93) Bgrd 478(5.90)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 239

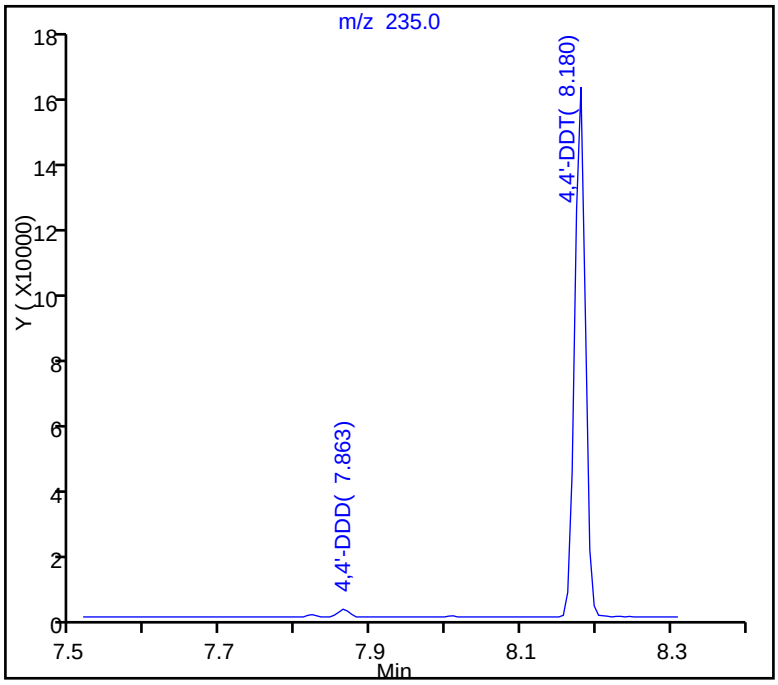
m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	129	155.00	943	223.00	1075	334.00	929
86.00	521	156.00	1062	224.00	7632	335.00	85
87.00	217	157.00	285	225.00	1976	341.00	131
91.00	313	158.00	203	226.00	260	346.00	281
92.00	529	159.00	196	227.00	3218	352.00	376
93.00	3017	160.00	501	228.00	497	353.00	330
94.00	284	161.00	685	229.00	682	354.00	319
95.00	96	162.00	222	231.00	222	365.00	2113
96.00	260	163.00	75	233.00	64	366.00	316
97.00	85	165.00	629	234.00	242	372.00	824
98.00	2491	166.00	515	235.00	144	373.00	146
99.00	1789	167.00	3005	236.00	56	383.00	166
100.00	125	168.00	1432	237.00	231	390.00	107
101.00	896	169.00	149	239.00	75	402.00	268
103.00	354	170.00	50	240.00	125	403.00	454
104.00	654	171.00	62	241.00	97	404.00	75
105.00	447	172.00	220	242.00	371	421.00	432
106.00	170	173.00	263	243.00	610	422.00	360
107.00	7559	174.00	563	244.00	6638	423.00	2863
108.00	1234	175.00	1072	245.00	832	424.00	503
109.00	151	176.00	355	246.00	1157	438.00	118
110.00	12522	177.00	424	247.00	242	439.00	72
111.00	1814	178.00	193	249.00	217	441.00	7420
112.00	287	179.00	2256	251.00	52	442.00	48952
113.00	179	180.00	1417	252.00	131	443.00	9782
115.00	53	181.00	728	253.00	239	444.00	810
116.00	489	182.00	69	255.00	30064		

Breakdown Report

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357558b.D				
Injection Date:	12-Aug-2016 12:11:30	Instrument ID:	CBNAMS12		
Lims ID:	dftpp				
Client ID:					
Operator ID:	BNA 12	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

124 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 158561
123 4,4'-DDD, Area = 2391
122 4,4'-DDE, Area = 0

%Breakdown: 1.49%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

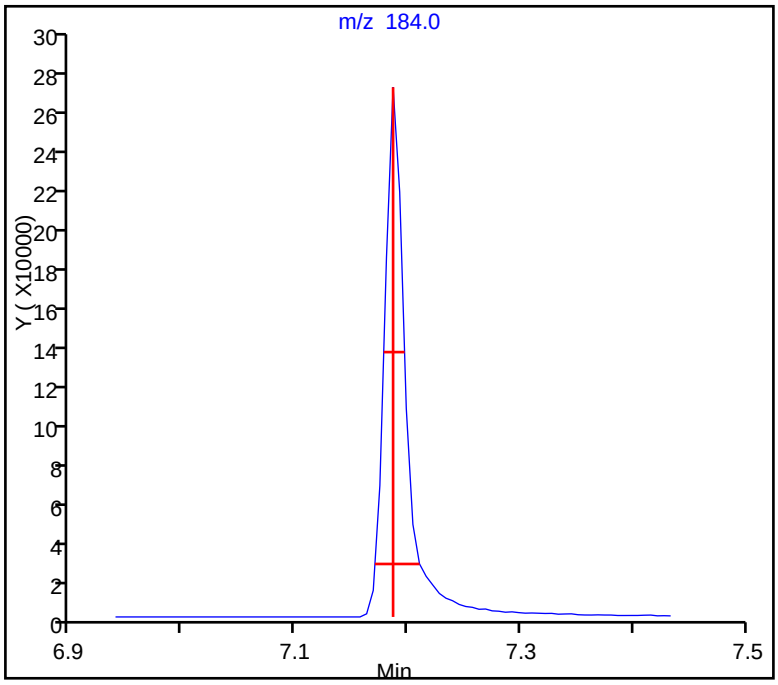
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357558b.D
Injection Date: 12-Aug-2016 12:11:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.024 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

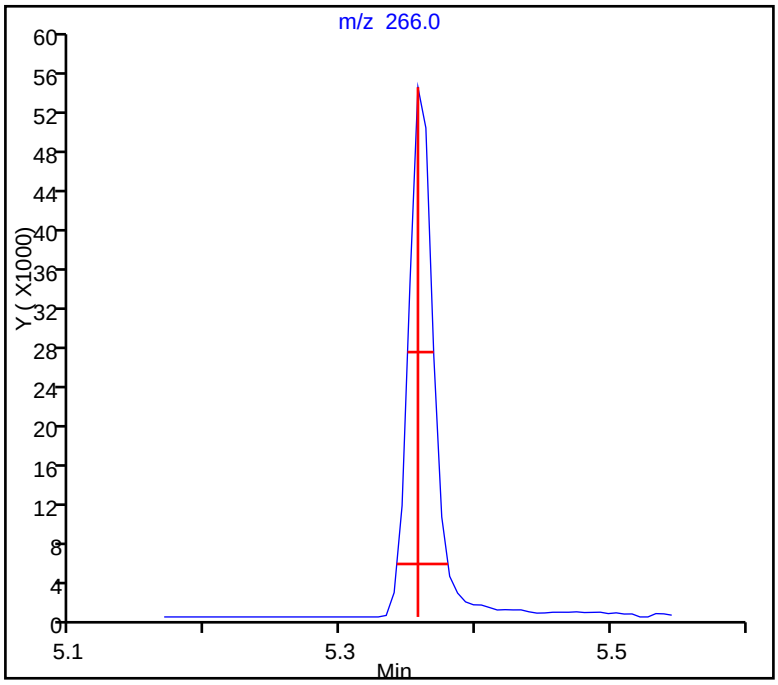
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357558b.D
Injection Date: 12-Aug-2016 12:11:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357797.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 23-Aug-2016 07:06:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044735-001
Misc. Info.: DFTPP
Operator ID: BNA 12 Instrument ID: CBNAMS12

Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 16:59:57 Calib Date: 12-Aug-2016 16:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160812-44409.b\L1357567.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: nimerd Date: 23-Aug-2016 07:20:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.975	4.975	0.000	92	25639	NR	NR	
47 Benzidine_T	184	6.810	6.810	0.000	99	295268	NR	NR	
121 DFTPP									
123 4,4'-DDD	235	7.481	7.481	0.000	87	1988		NR	
122 4,4'-DDE	246	7.798	7.798	0.000	54	10090		NR	
124 4,4'-DDT	235	7.798	7.798	0.000	98	151331	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

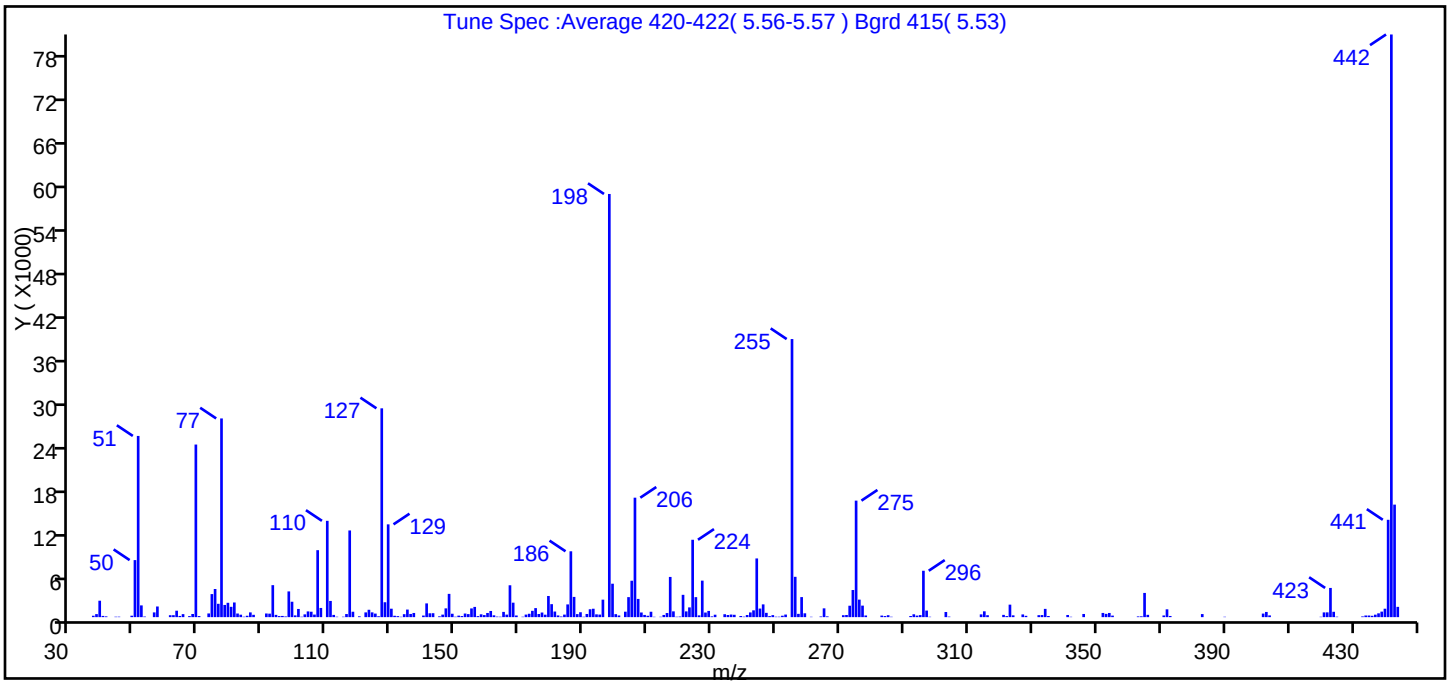
SMDFTP_CH_00018 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357797.D
Injection Date: 23-Aug-2016 07:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	42.8
68	<2% of mass 69	0.7 (1.8)
69	Present	40.8
70	<2% of mass 69	0.3 (0.6)
127	40-60% of mass 198	49.3
197	<1% of mass 198	0.0
199	5-9% of mass 198	7.9
275	10-30% of mass 198	27.5
365	>1% of mass 198	5.7
441	Present but less than mass 443	23.0 (86.5)
442	>40% of mass 198	137.7
443	17-23% of mass 442	26.6 (19.3)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357797.D\8270_12R_9.rslt\spectra.d
Injection Date: 23-Aug-2016 07:06:30
Spectrum: Tune Spec :Average 420-422(5.56-5.57) Bgrd 415(5.53)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 268

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	195	123.00	1021	194.00	388	275.00	16136
38.00	420	124.00	661	195.00	355	276.00	2425
39.00	2275	125.00	491	196.00	2421	277.00	1596
40.00	171	126.00	124	198.00	58608	278.00	229
41.00	106	127.00	28920	199.00	4630	283.00	217
44.00	59	128.00	2064	200.00	414	284.00	152
45.00	64	129.00	12851	201.00	231	285.00	266
49.00	198	130.00	1169	203.00	755	286.00	54
50.00	7900	131.00	190	204.00	2772	292.00	155
51.00	25096	132.00	140	205.00	5043	293.00	397
52.00	1627	133.00	51	206.00	16544	294.00	213
53.00	83	134.00	410	207.00	2523	295.00	282
55.00	1	135.00	1050	208.00	644	296.00	6425
56.00	657	136.00	441	209.00	307	297.00	909
57.00	1476	137.00	578	210.00	192	298.00	54
61.00	267	140.00	221	211.00	748	303.00	713
62.00	272	141.00	1904	212.00	50	304.00	73
63.00	890	142.00	534	214.00	51	314.00	382
64.00	166	143.00	545	215.00	303	315.00	807
65.00	416	145.00	113	216.00	570	316.00	268
67.00	145	146.00	349	217.00	5569	321.00	314
68.00	437	147.00	1215	218.00	802	322.00	146
69.00	23904	148.00	3223	219.00	57	323.00	1731
70.00	149	149.00	471	220.00	82	324.00	248
73.00	511	150.00	59	221.00	3091	327.00	376
74.00	3194	151.00	209	222.00	797	328.00	183
75.00	3898	152.00	151	223.00	1351	332.00	273
76.00	1847	153.00	500	224.00	10716	333.00	285
77.00	27520	154.00	419	225.00	2771	334.00	1145
78.00	1689	155.00	1208	226.00	246	335.00	159
79.00	1986	156.00	1417	227.00	5056	341.00	299
80.00	1429	157.00	145	228.00	637	342.00	51
81.00	2031	158.00	393	229.00	862	346.00	438

Report Date: 23-Aug-2016 16:59:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357797.D\8270_12R_9.rslt\spectra.d
Injection Date: 23-Aug-2016 07:06:30
Spectrum: Tune Spec :Average 420-422(5.56-5.57) Bgrd 415(5.53)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 268

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	503	159.00	285	230.00	104	352.00	582
83.00	339	160.00	577	231.00	336	353.00	453
84.00	60	161.00	856	234.00	404	354.00	579
85.00	192	162.00	253	235.00	294	355.00	212
86.00	658	163.00	74	236.00	360	363.00	101
87.00	323	164.00	59	237.00	326	364.00	112
91.00	507	165.00	727	239.00	156	365.00	3353
92.00	484	166.00	349	240.00	67	366.00	319
93.00	4430	167.00	4414	241.00	293	371.00	233
94.00	314	168.00	2003	242.00	652	372.00	1085
95.00	150	169.00	229	243.00	943	373.00	162
96.00	167	171.00	57	244.00	8130	383.00	426
97.00	93	172.00	354	245.00	1187	390.00	51
98.00	3564	173.00	467	246.00	1768	402.00	494
99.00	2134	174.00	874	247.00	596	403.00	719
100.00	243	175.00	1251	248.00	146	404.00	242
101.00	1133	176.00	436	249.00	279	420.00	51
102.00	56	177.00	639	250.00	61	421.00	657
103.00	385	178.00	339	251.00	60	422.00	663
104.00	794	179.00	2930	252.00	198	423.00	4046
105.00	751	180.00	1799	253.00	358	424.00	742
106.00	355	181.00	776	255.00	38512	425.00	63
107.00	9275	182.00	236	256.00	5585	433.00	100
108.00	1274	183.00	87	257.00	455	434.00	227
110.00	13338	184.00	352	258.00	2777	435.00	224
111.00	2245	185.00	1764	259.00	531	436.00	188
112.00	310	186.00	9120	261.00	50	437.00	342
113.00	59	187.00	2802	264.00	91	438.00	528
115.00	61	188.00	419	265.00	1218	439.00	765
116.00	429	189.00	680	266.00	104	440.00	1168
117.00	12005	190.00	53	271.00	269	441.00	13482
118.00	749	191.00	438	272.00	299	442.00	80696
120.00	115	192.00	1093	273.00	1582	443.00	15584
122.00	658	193.00	1164	274.00	3757	444.00	1425

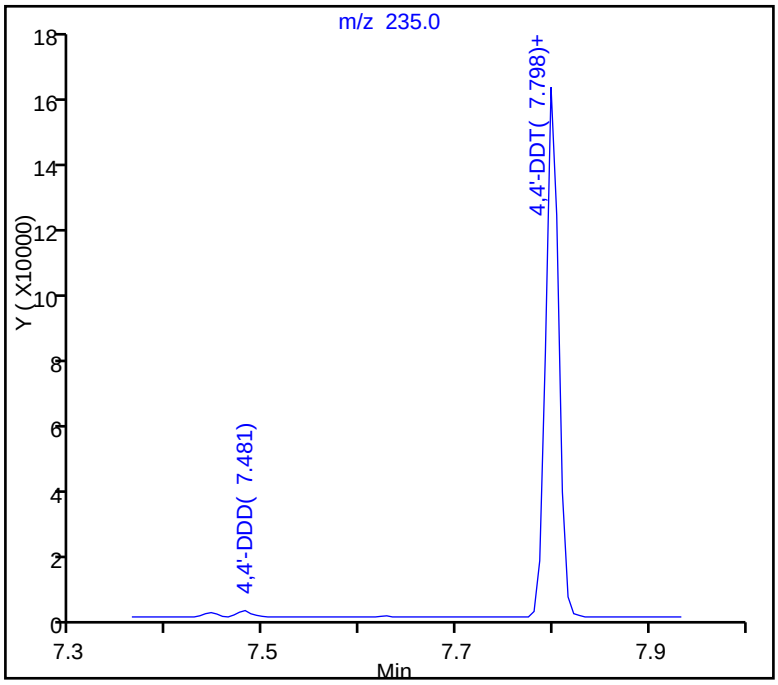
m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	503	159.00	285	230.00	104	352.00	582
83.00	339	160.00	577	231.00	336	353.00	453
84.00	60	161.00	856	234.00	404	354.00	579
85.00	192	162.00	253	235.00	294	355.00	212
86.00	658	163.00	74	236.00	360	363.00	101
87.00	323	164.00	59	237.00	326	364.00	112
91.00	507	165.00	727	239.00	156	365.00	3353
92.00	484	166.00	349	240.00	67	366.00	319
93.00	4430	167.00	4414	241.00	293	371.00	233
94.00	314	168.00	2003	242.00	652	372.00	1085
95.00	150	169.00	229	243.00	943	373.00	162
96.00	167	171.00	57	244.00	8130	383.00	426
97.00	93	172.00	354	245.00	1187	390.00	51
98.00	3564	173.00	467	246.00	1768	402.00	494
99.00	2134	174.00	874	247.00	596	403.00	719
100.00	243	175.00	1251	248.00	146	404.00	242
101.00	1133	176.00	436	249.00	279	420.00	51
102.00	56	177.00	639	250.00	61	421.00	657
103.00	385	178.00	339	251.00	60	422.00	663
104.00	794	179.00	2930	252.00	198	423.00	4046
105.00	751	180.00	1799	253.00	358	424.00	742
106.00	355	181.00	776	255.00	38512	425.00	63
107.00	9275	182.00	236	256.00	5585	433.00	100
108.00	1274	183.00	87	257.00	455	434.00	227
110.00	13338	184.00	352	258.00	2777	435.00	224
111.00	2245	185.00	1764	259.00	531	436.00	188
112.00	310	186.00	9120	261.00	50	437.00	342
113.00	59	187.00	2802	264.00	91	438.00	528
115.00	61	188.00	419	265.00	1218	439.00	765
116.00	429	189.00	680	266.00	104	440.00	1168
117.00	12005	190.00	53	271.00	269	441.00	13482
118.00	749	191.00	438	272.00	299	442.00	80696
120.00	115	192.00	1093	273.00	1582	443.00	15584
122.00	658	193.00	1164	274.00	3757	444.00	1425

Breakdown Report

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357797.D				
Injection Date:	23-Aug-2016 07:06:30	Instrument ID:	CBNAMS12		
Lims ID:	dftpp				
Client ID:					
Operator ID:	BNA 12	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

124 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 151331
123 4,4'-DDD, Area = 1988
122 4,4'-DDE, Area = 10090

%Breakdown: 7.39%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

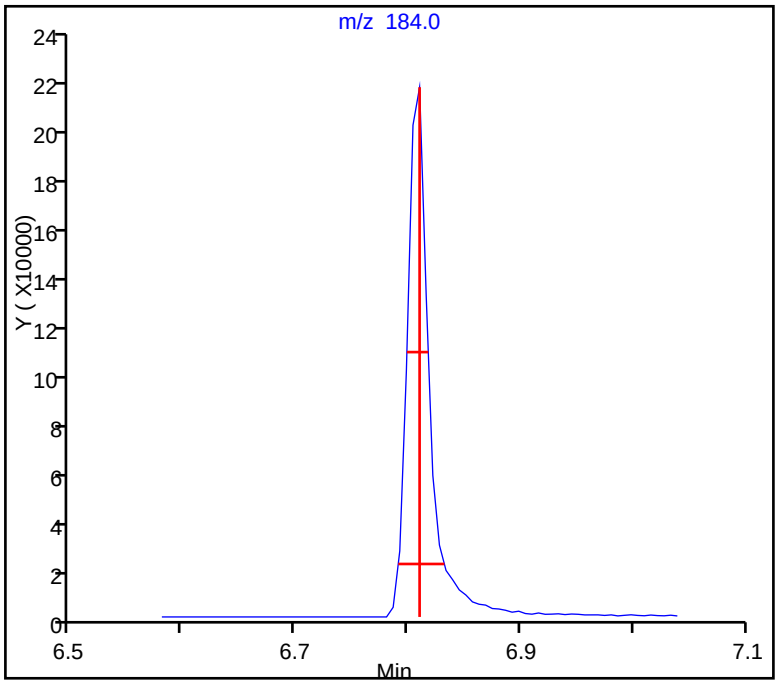
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357797.D
Injection Date: 23-Aug-2016 07:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)
Front Width = 0.019 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

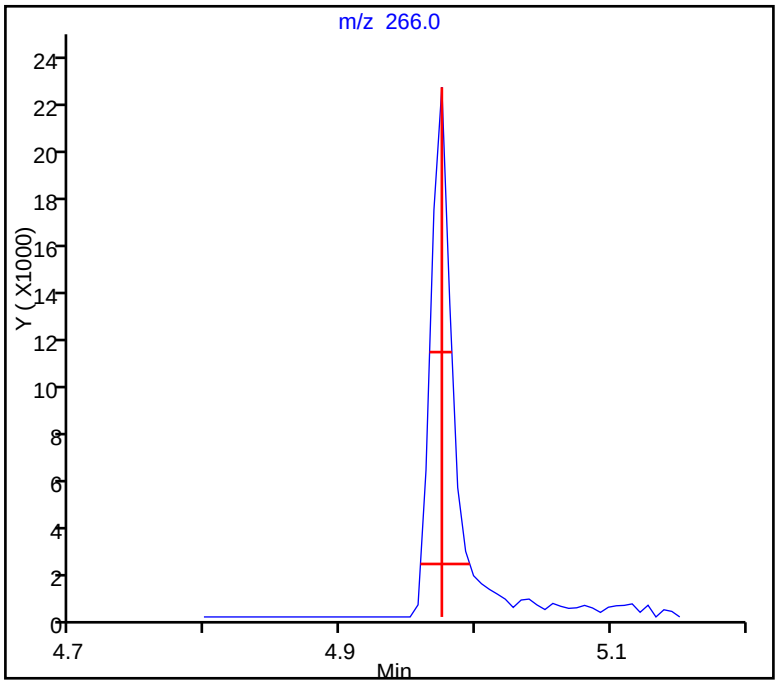
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160823-44735.b\L1357797.D
Injection Date: 23-Aug-2016 07:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17304.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Aug-2016 11:54:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044713-001
Misc. Info.: DFTPP
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 20:16:55 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: croccom Date: 22-Aug-2016 12:09:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.404	5.404	0.000	92	30820	NR	NR	
55 Benzidine_T	184	7.228	7.228	0.000	99	105245	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	7.475	7.475	0.000	1	160		NR	
126 4,4'-DDD	235	7.910	7.910	0.000	94	769		NR	
127 4,4'-DDT	235	8.222	8.222	0.000	98	59983	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

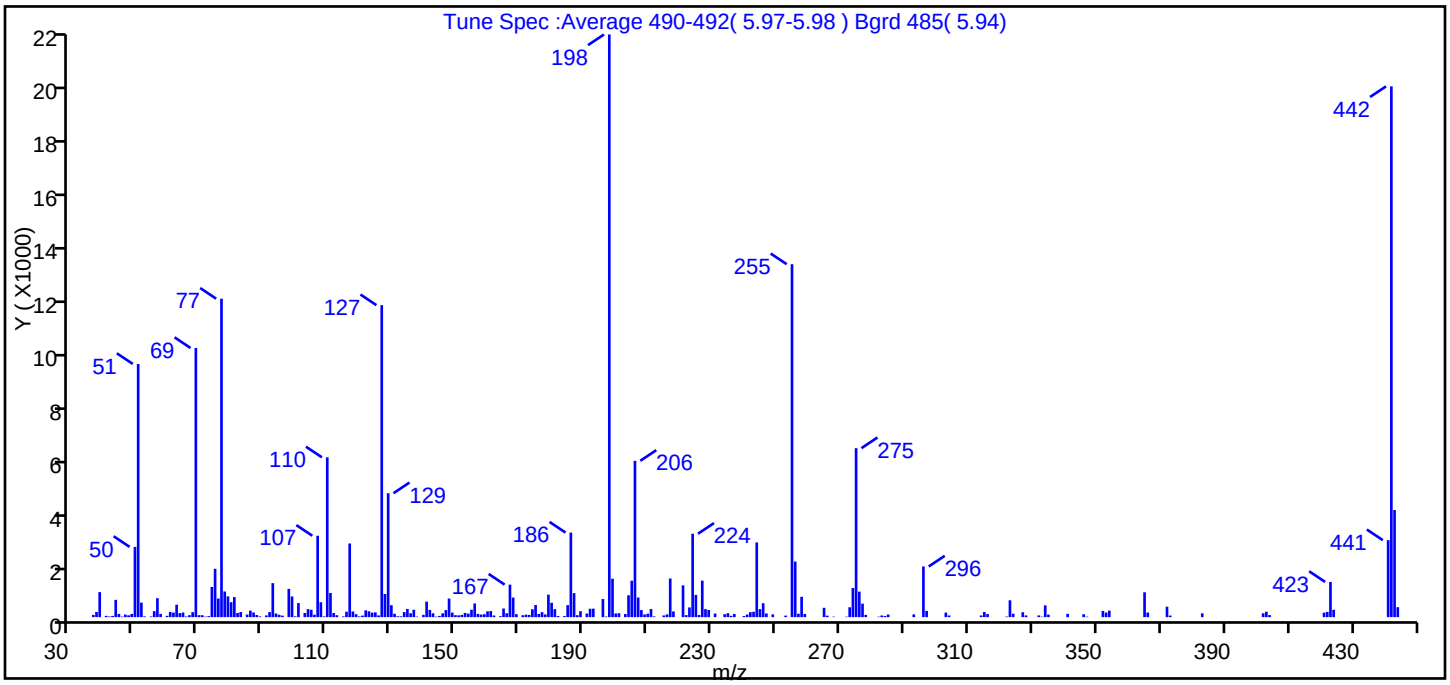
SMDFTP_CH_00018 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17304.D
Injection Date: 22-Aug-2016 11:54:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	43.5
68	<2% of mass 69	0.8 (1.8)
69	Present	46.2
70	<2% of mass 69	0.3 (0.7)
127	40-60% of mass 198	53.5
197	<1% of mass 198	0.1
199	5-9% of mass 198	6.6
275	10-30% of mass 198	29.0
365	>1% of mass 198	4.3
441	Present but less than mass 443	13.2 (71.9)
442	>40% of mass 198	91.1
443	17-23% of mass 442	18.4 (20.2)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17304.D\8270_5R.rslt\spectra.d
Injection Date: 22-Aug-2016 11:54:30
Spectrum: Tune Spec :Average 490-492(5.97-5.98) Bgrd 485(5.94)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 246

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	81	106.00	88	172.00	91	249.00	101
38.00	189	107.00	2975	173.00	82	253.00	57
39.00	914	108.00	543	174.00	289	255.00	12900
41.00	46	109.00	27	175.00	443	256.00	2032
42.00	25	110.00	5841	176.00	116	257.00	125
43.00	44	111.00	884	177.00	182	258.00	743
44.00	632	112.00	150	178.00	100	259.00	117
45.00	117	113.00	71	179.00	822	265.00	341
46.00	20	115.00	27	180.00	524	266.00	54
47.00	93	116.00	198	181.00	293	268.00	17
48.00	66	117.00	2692	182.00	41	272.00	17
49.00	118	118.00	208	184.00	38	273.00	360
50.00	2567	119.00	108	185.00	438	274.00	1065
51.00	9254	120.00	26	186.00	3091	275.00	6176
52.00	529	121.00	56	187.00	878	276.00	932
53.00	27	122.00	248	188.00	71	277.00	492
55.00	24	123.00	213	189.00	215	278.00	83
56.00	219	124.00	163	191.00	131	282.00	16
57.00	693	125.00	176	192.00	308	283.00	59
58.00	117	126.00	63	193.00	310	284.00	43
60.00	47	127.00	11403	196.00	661	285.00	97
61.00	191	128.00	846	197.00	23	293.00	102
62.00	166	129.00	4530	198.00	21296	296.00	1852
63.00	454	130.00	437	199.00	1404	297.00	229
64.00	147	131.00	123	200.00	135	303.00	167
65.00	168	132.00	31	201.00	143	304.00	61
66.00	23	133.00	29	203.00	113	314.00	61
67.00	72	134.00	185	204.00	798	315.00	188
68.00	181	135.00	300	205.00	1332	316.00	113
69.00	9838	136.00	142	206.00	5714	322.00	21
70.00	73	137.00	271	207.00	718	323.00	617
71.00	70	138.00	19	208.00	258	324.00	125
72.00	18	140.00	83	209.00	98	327.00	179

Report Date: 22-Aug-2016 20:16:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17304.D\8270_5R.rslt\spectra.d
Injection Date: 22-Aug-2016 11:54:30
Spectrum: Tune Spec :Average 490-492(5.97-5.98) Bgrd 485(5.94)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 246

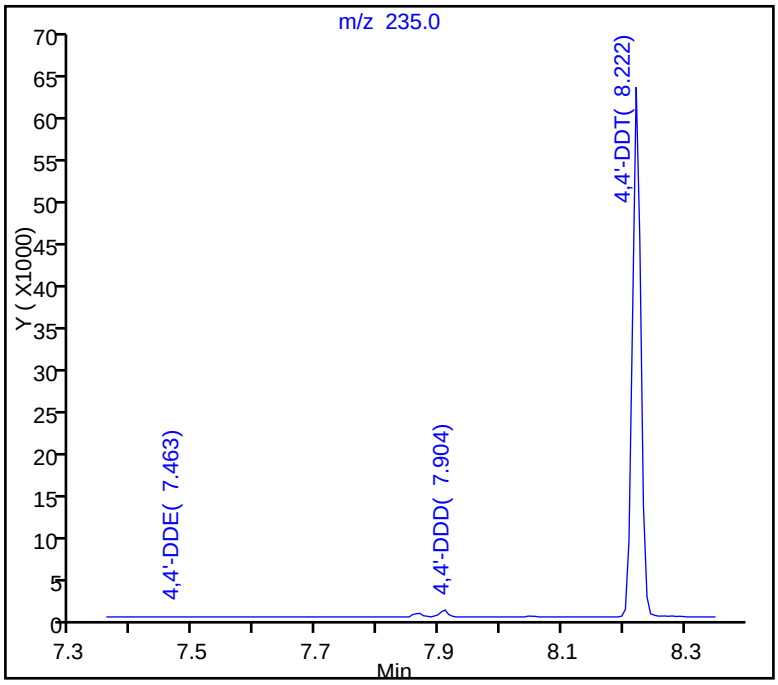
m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	36	141.00	566	210.00	125	328.00	62
74.00	1104	142.00	265	211.00	299	332.00	63
75.00	1767	143.00	141	212.00	26	333.00	17
76.00	680	144.00	18	215.00	62	334.00	432
77.00	11639	145.00	45	216.00	99	335.00	93
78.00	938	146.00	139	217.00	1413	341.00	121
79.00	759	147.00	258	218.00	209	346.00	106
80.00	546	148.00	679	221.00	1163	347.00	18
81.00	733	149.00	166	222.00	75	352.00	228
82.00	152	150.00	72	223.00	355	353.00	168
83.00	186	151.00	66	224.00	3048	354.00	239
85.00	95	152.00	84	225.00	811	365.00	909
86.00	238	153.00	154	226.00	77	366.00	169
87.00	169	154.00	129	227.00	1335	372.00	381
88.00	78	155.00	272	228.00	294	373.00	58
89.00	27	156.00	500	229.00	261	383.00	140
91.00	63	157.00	119	231.00	131	402.00	141
92.00	184	158.00	95	234.00	106	403.00	198
93.00	1243	159.00	107	235.00	144	404.00	75
94.00	134	160.00	212	236.00	46	421.00	166
95.00	85	161.00	223	237.00	116	422.00	192
96.00	56	162.00	60	240.00	40	423.00	1287
98.00	1033	164.00	34	241.00	94	424.00	269
99.00	756	165.00	316	242.00	183	441.00	2814
100.00	30	166.00	142	243.00	196	442.00	19400
101.00	514	167.00	1189	244.00	2731	443.00	3916
103.00	152	168.00	716	245.00	293	444.00	365
104.00	293	169.00	109	246.00	509		
105.00	270	171.00	70	247.00	135		

Breakdown Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17304.D
Injection Date: 22-Aug-2016 11:54:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 59983
126 4,4'-DDD, Area = 769
125 4,4'-DDE, Area = 160

%Breakdown: 1.53%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

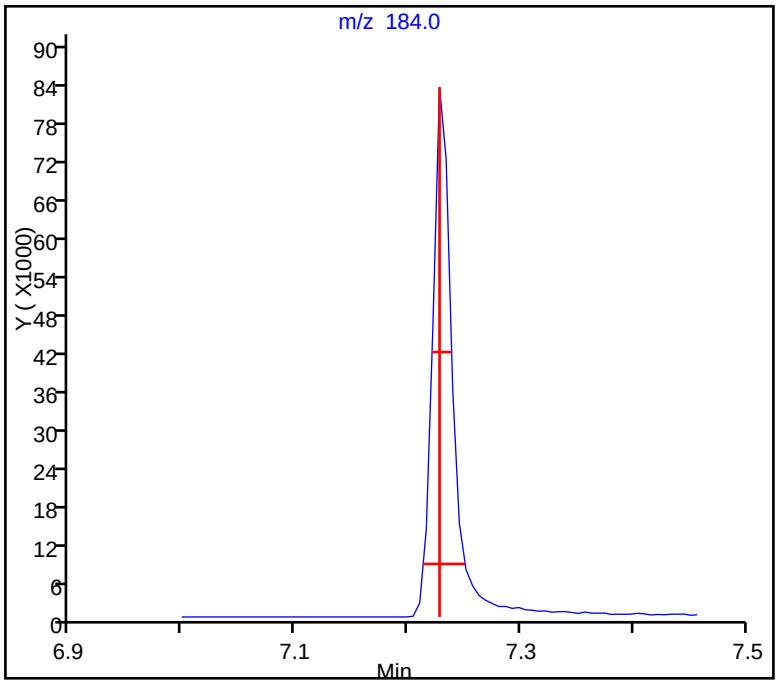
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17304.D
Injection Date: 22-Aug-2016 11:54:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.023 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

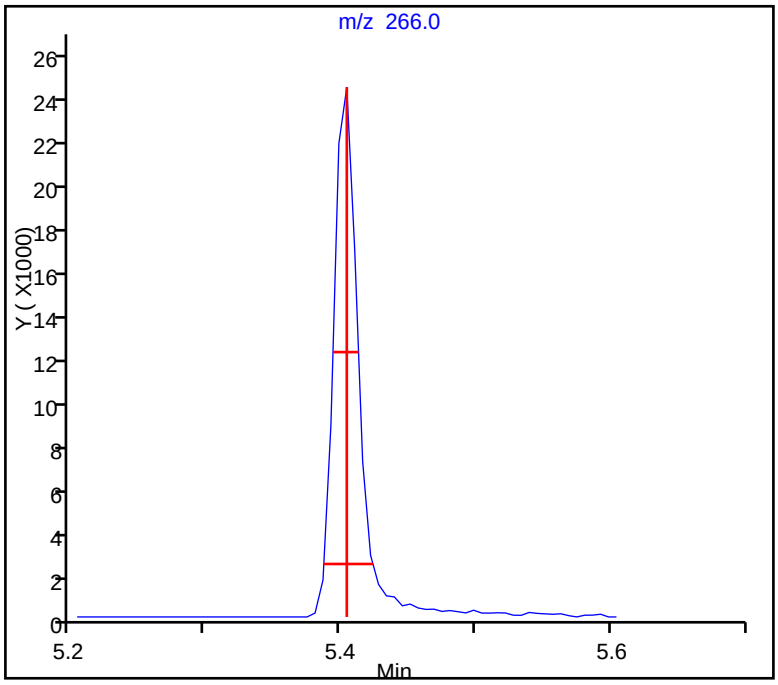
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17304.D
Injection Date: 22-Aug-2016 11:54:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17349.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 23-Aug-2016 08:28:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-001
Misc. Info.: DFTPP
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 12:19:21 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: nimerd Date: 23-Aug-2016 08:41:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.375	5.375	0.000	95	28488	NR	NR	
55 Benzidine_T	184	7.198	7.198	0.000	99	205118	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	7.440	7.440	0.000	6	259		NR	
126 4,4'-DDD	235	7.875	7.875	0.000	95	1520		NR	
127 4,4'-DDT	235	8.187	8.187	0.000	99	94685	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

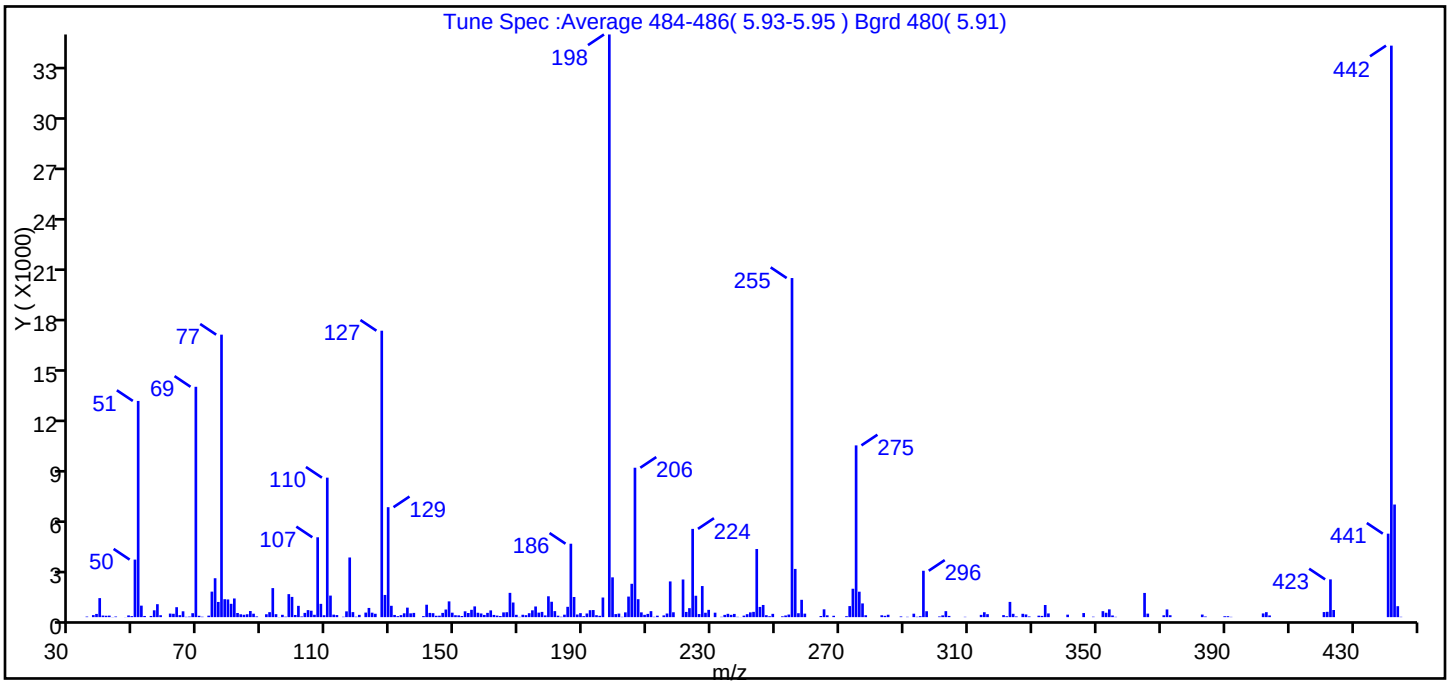
SMDFTP_CH_00018 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17349.D
Injection Date: 23-Aug-2016 08:28:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	37.1
68	<2% of mass 69	0.7 (1.7)
69	Present	39.5
70	<2% of mass 69	0.2 (0.6)
127	40-60% of mass 198	49.2
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.8
275	10-30% of mass 198	29.5
365	>1% of mass 198	4.2
441	Present but less than mass 443	14.3 (74.1)
442	>40% of mass 198	98.1
443	17-23% of mass 442	19.3 (19.7)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17349.D\8270_5R.rslt\spectra.d
Injection Date: 23-Aug-2016 08:28:30
Spectrum: Tune Spec :Average 484-486(5.93-5.95) Bgrd 480(5.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	34	113.00	122	187.00	1184	272.00	56
37.00	120	115.00	24	188.00	155	273.00	650
38.00	189	116.00	341	189.00	235	274.00	1670
39.00	1119	117.00	3508	190.00	58	275.00	10098
40.00	94	118.00	296	191.00	215	276.00	1496
41.00	82	119.00	25	192.00	409	277.00	807
42.00	90	120.00	134	193.00	417	278.00	111
43.00	8	122.00	267	194.00	115	283.00	111
44.00	37	123.00	541	195.00	78	284.00	78
47.00	6	124.00	262	196.00	1154	285.00	141
48.00	101	125.00	198	198.00	34256	289.00	42
49.00	60	127.00	16840	199.00	2340	291.00	20
50.00	3383	128.00	1305	200.00	179	293.00	203
51.00	12711	129.00	6464	201.00	209	294.00	21
52.00	676	130.00	667	202.00	18	295.00	55
53.00	69	131.00	129	203.00	280	296.00	2727
55.00	70	132.00	59	204.00	1209	297.00	348
56.00	402	133.00	118	205.00	1961	301.00	40
57.00	762	134.00	226	206.00	8784	302.00	104
58.00	113	135.00	559	207.00	1056	303.00	352
61.00	209	136.00	224	208.00	281	304.00	73
62.00	198	137.00	249	209.00	136	309.00	19
63.00	585	140.00	60	210.00	191	314.00	133
64.00	116	141.00	730	211.00	352	315.00	288
65.00	344	142.00	249	212.00	19	316.00	174
66.00	19	143.00	234	213.00	85	321.00	119
67.00	33	144.00	81	215.00	103	322.00	52
68.00	232	145.00	86	216.00	214	323.00	896
69.00	13543	146.00	249	217.00	2100	324.00	196
70.00	80	147.00	448	218.00	287	325.00	40
71.00	25	148.00	927	221.00	2214	327.00	197
73.00	87	149.00	262	222.00	306	328.00	159
74.00	1500	150.00	112	223.00	529	329.00	41

Report Date: 23-Aug-2016 12:19:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17349.D\8270_5R.rslt\spectra.d
Injection Date: 23-Aug-2016 08:28:30
Spectrum: Tune Spec :Average 484-486(5.93-5.95) Bgrd 480(5.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	2288	151.00	104	224.00	5189	332.00	85
76.00	893	152.00	67	225.00	1258	333.00	73
77.00	16608	153.00	343	226.00	182	334.00	714
78.00	1055	154.00	243	227.00	1828	335.00	218
79.00	1040	155.00	431	228.00	259	341.00	146
80.00	784	156.00	632	229.00	429	346.00	241
81.00	1098	157.00	257	231.00	262	349.00	26
82.00	244	158.00	217	233.00	21	352.00	351
83.00	168	159.00	130	234.00	133	353.00	258
84.00	140	160.00	251	235.00	195	354.00	458
85.00	170	161.00	397	236.00	135	355.00	98
86.00	359	162.00	130	237.00	190	356.00	18
87.00	202	163.00	91	238.00	20	365.00	1423
88.00	41	164.00	64	239.00	4	366.00	207
91.00	170	165.00	279	240.00	89	371.00	110
92.00	293	166.00	289	241.00	173	372.00	454
93.00	1707	167.00	1428	242.00	280	373.00	113
94.00	175	168.00	860	243.00	310	383.00	152
95.00	7	169.00	136	244.00	4007	384.00	37
96.00	137	170.00	16	245.00	601	390.00	53
97.00	26	171.00	140	246.00	716	391.00	55
98.00	1353	172.00	115	247.00	115	392.00	17
99.00	1190	173.00	231	248.00	53	402.00	219
100.00	127	174.00	401	249.00	194	403.00	293
101.00	664	175.00	627	252.00	49	404.00	101
102.00	39	176.00	266	253.00	96	421.00	299
103.00	250	177.00	309	254.00	153	422.00	313
104.00	413	178.00	102	255.00	19936	423.00	2220
105.00	379	179.00	1227	256.00	2835	424.00	419
106.00	138	180.00	905	257.00	230	441.00	4908
107.00	4695	181.00	354	258.00	1019	442.00	33600
108.00	781	182.00	86	259.00	206	443.00	6621
109.00	112	183.00	23	264.00	67	444.00	644
110.00	8201	184.00	144	265.00	460	445.00	20

Report Date: 23-Aug-2016 12:19:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17349.D\8270_5R.rslt\spectra.d
Injection Date: 23-Aug-2016 08:28:30
Spectrum: Tune Spec :Average 484-486(5.93-5.95) Bgrd 480(5.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 274

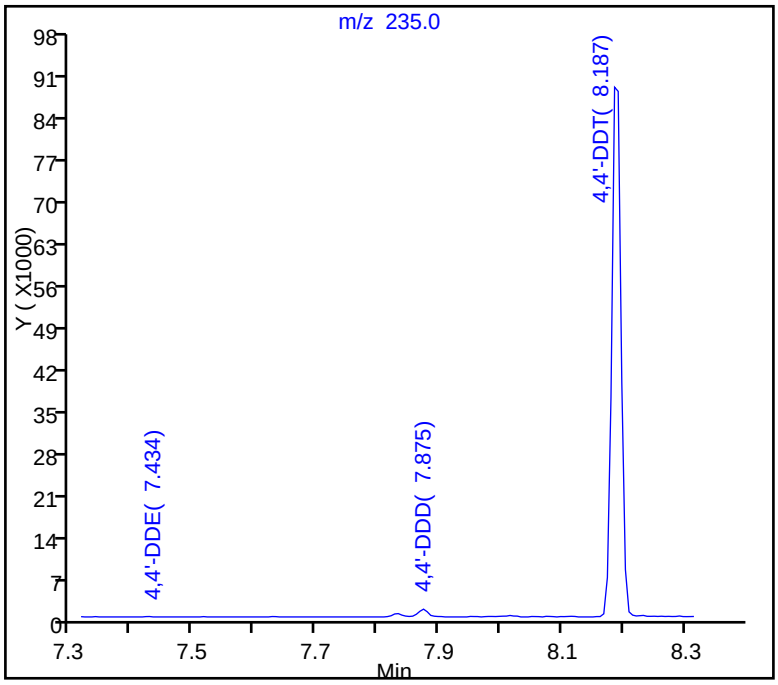
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	1267	185.00	607	266.00	107		
112.00	147	186.00	4317	268.00	80		

Breakdown Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17349.D
Injection Date: 23-Aug-2016 08:28:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 94685
126 4,4'-DDD, Area = 1520
125 4,4'-DDE, Area = 259

%Breakdown: 1.84%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

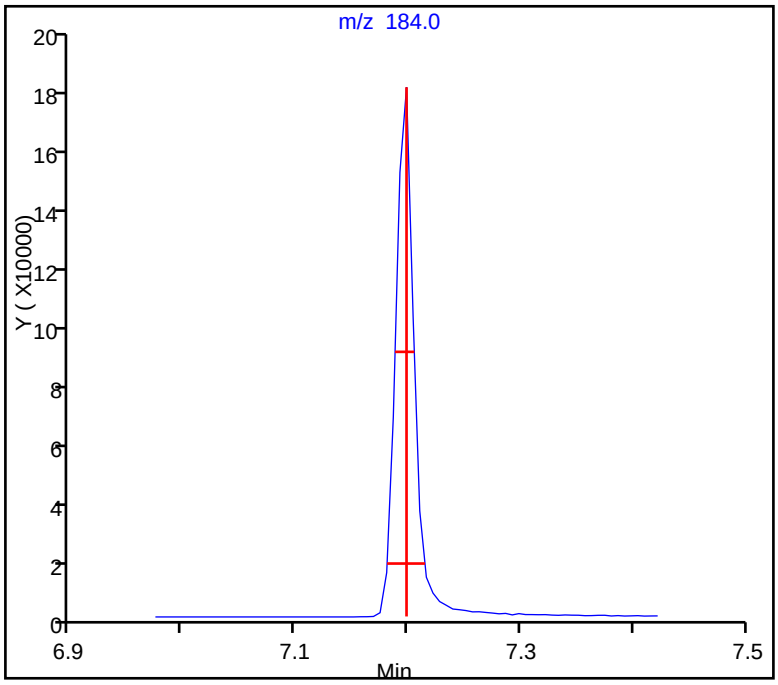
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17349.D
Injection Date: 23-Aug-2016 08:28:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

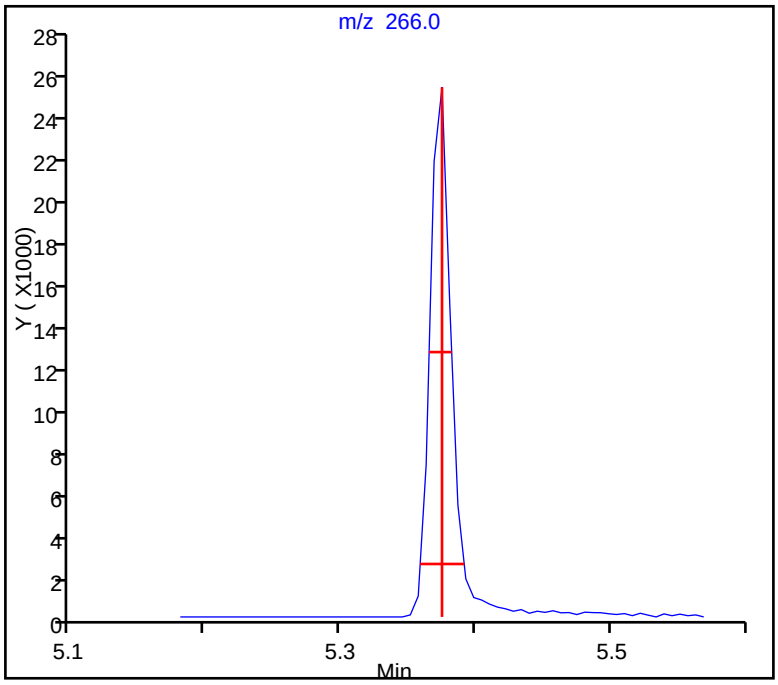
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17349.D
Injection Date: 23-Aug-2016 08:28:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231612.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 23-Aug-2016 09:32:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044745-001
Misc. Info.: dftpp
Operator ID: Instrument ID: CBNAMS6

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 17:41:39 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: nimerd Date: 23-Aug-2016 10:29:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
16 Pentachlorophenol_T	266	3.792	3.792	0.000	92	1647046	NR	NR	
43 Benzidine_T	184	5.438	5.438	0.000	95	4289997	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.639	5.639	0.000	80	7275		NR	
126 4,4'-DDD	235	6.050	6.050	0.000	1	906		NR	
127 4,4'-DDT	235	6.333	6.333	0.000	94	3118126	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

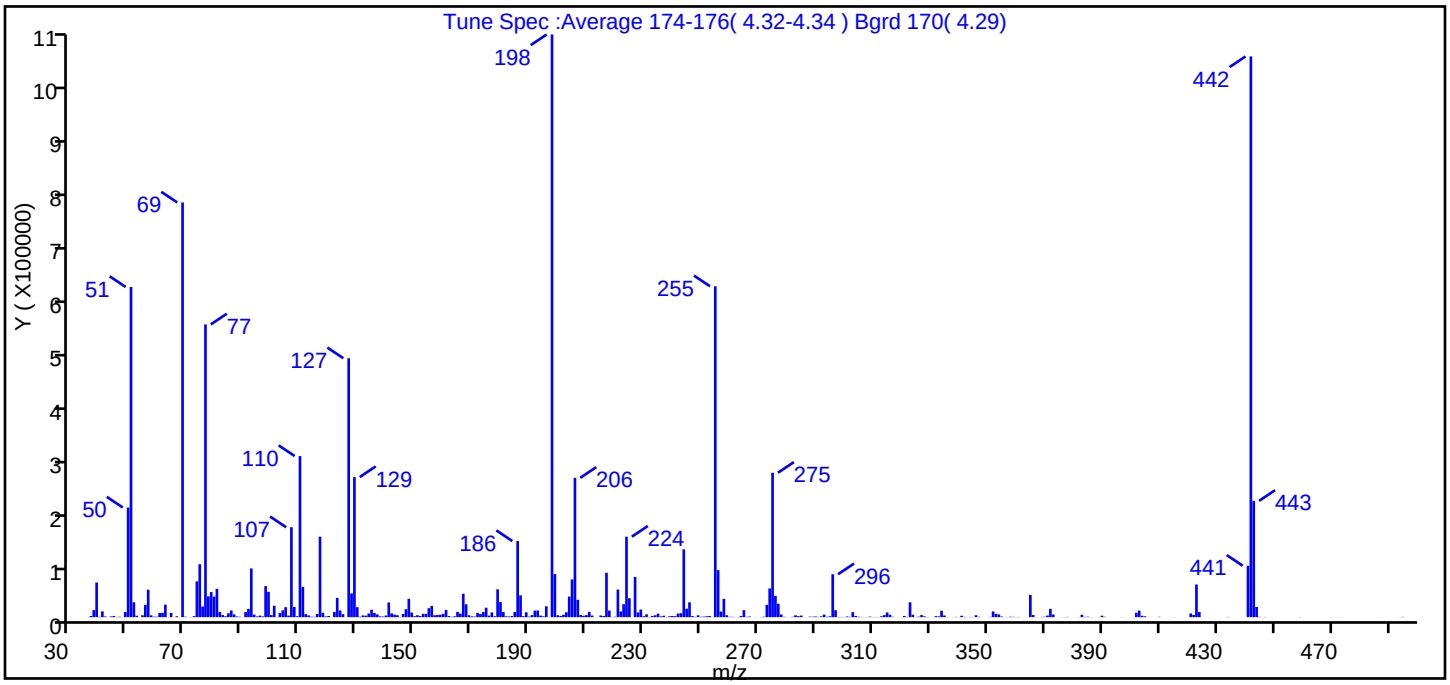
SMDFTTP_CH_00008 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231612.D
Injection Date: 23-Aug-2016 09:32:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	56.7
68	<2% of mass 69	0.0 (0.0)
69	Present	71.2
70	<2% of mass 69	0.1 (0.1)
127	40-60% of mass 198	44.4
197	<1% of mass 198	0.0
199	5-9% of mass 198	7.4
275	10-30% of mass 198	24.8
365	>1% of mass 198	3.8
441	Present but less than mass 443	8.8 (44.2)
442	>40% of mass 198	96.2
443	17-23% of mass 442	20.0 (20.7)

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231612.D\8270LVI_R6.rslt\spectra.d
Injection Date: 23-Aug-2016 09:32:30
Spectrum: Tune Spec :Average 174-176(4.32-4.34) Bgrd 170(4.29)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	167	129.00	260352	218.00	12202	311.00	340
37.00	2188	130.00	18472	219.00	107	312.00	190
38.00	13126	131.00	928	220.00	828	313.00	1622
39.00	64360	132.00	3216	221.00	51312	314.00	3771
40.00	692	133.00	2662	222.00	10613	315.00	8757
41.00	10722	134.00	6747	223.00	24064	316.00	4417
42.00	1314	135.00	13907	224.00	149568	317.00	689
43.00	16	136.00	7681	225.00	35104	321.00	2239
44.00	1329	137.00	5052	227.00	74656	322.00	395
45.00	2203	138.00	1462	228.00	8787	323.00	27568
46.00	381	139.00	1147	229.00	14170	324.00	4414
47.00	779	140.00	2950	230.00	1748	325.00	130
48.00	157	141.00	27264	231.00	5267	326.00	844
49.00	9563	142.00	6996	232.00	372	327.00	3832
50.00	203712	143.00	4740	233.00	2266	328.00	1504
51.00	613632	144.00	3519	234.00	3517	329.00	317
52.00	27656	145.00	331	235.00	6427	332.00	1841
53.00	2573	146.00	5904	236.00	1490	333.00	1407
55.00	3505	147.00	14864	237.00	2606	334.00	11936
56.00	22848	148.00	34024	238.00	275	335.00	3066
57.00	51008	149.00	8566	239.00	1653	336.00	260
58.00	3312	150.00	1787	240.00	2137	338.00	186
59.00	938	151.00	3590	241.00	1757	339.00	465
60.00	905	152.00	1972	242.00	6671	340.00	144
61.00	7752	153.00	6162	243.00	7243	341.00	2593
62.00	7961	154.00	6062	244.00	126064	342.00	602
63.00	23224	155.00	16640	245.00	15641	343.00	130
64.00	154	156.00	20960	246.00	27584	344.00	499
65.00	7768	157.00	3546	247.00	1907	345.00	165
67.00	1714	158.00	4175	248.00	601	346.00	3554
69.00	770688	159.00	4463	249.00	3392	347.00	727
70.00	891	160.00	6039	250.00	710	351.00	547
72.00	303	161.00	13455	251.00	1030	352.00	10664

Report Date: 23-Aug-2016 17:41:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231612.D\8270LVI_R6.rslt\spectra.d
Injection Date: 23-Aug-2016 09:32:30
Spectrum: Tune Spec :Average 174-176(4.32-4.34) Bgrd 170(4.29)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	1918	162.00	2011	252.00	1585	353.00	6209
74.00	66480	163.00	635	253.00	2193	354.00	5031
75.00	98384	164.00	1582	255.00	614976	355.00	1144
76.00	19696	165.00	9808	256.00	87368	357.00	269
77.00	544064	166.00	6511	257.00	10481	358.00	742
78.00	38616	167.00	43448	258.00	33912	359.00	632
79.00	46584	168.00	23936	259.00	3529	360.00	237
80.00	38192	169.00	3459	260.00	643	361.00	412
81.00	52592	170.00	1468	261.00	610	365.00	41408
82.00	9809	171.00	1078	262.00	176	366.00	3939
83.00	3881	172.00	7982	263.00	352	367.00	279
84.00	1660	173.00	5692	264.00	2279	369.00	439
85.00	7208	174.00	9424	265.00	12957	370.00	728
86.00	12397	175.00	17576	266.00	605	371.00	2961
87.00	5115	176.00	2827	267.00	1240	372.00	15407
88.00	1184	177.00	8796	269.00	230	373.00	4907
89.00	805	178.00	1660	271.00	323	376.00	117
91.00	9469	179.00	51680	272.00	845	377.00	294
92.00	15230	180.00	28160	273.00	22832	378.00	462
93.00	90472	181.00	9311	274.00	53376	382.00	218
94.00	4690	182.00	1532	275.00	268352	383.00	4463
95.00	1334	183.00	1247	276.00	39656	384.00	539
96.00	2895	184.00	2053	277.00	24840	385.00	779
97.00	1370	185.00	9593	278.00	5031	386.00	244
98.00	57608	186.00	141440	279.00	668	389.00	210
99.00	47072	187.00	40568	280.00	177	390.00	2709
100.00	3770	188.00	1827	282.00	670	391.00	654
101.00	21120	189.00	8967	283.00	3369	397.00	218
102.00	258	190.00	1095	284.00	1899	402.00	8095
103.00	7566	191.00	3742	285.00	2902	403.00	12225
104.00	12651	192.00	12151	288.00	903	404.00	2572
105.00	18544	193.00	12361	289.00	738	405.00	1631
106.00	2881	194.00	2858	290.00	1274	410.00	635
107.00	167168	195.00	1491	291.00	519	415.00	241

Report Date: 23-Aug-2016 17:41:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231612.D\8270LVI_R6.rslt\spectra.d
Injection Date: 23-Aug-2016 09:32:30
Spectrum: Tune Spec :Average 174-176(4.32-4.34) Bgrd 170(4.29)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 343

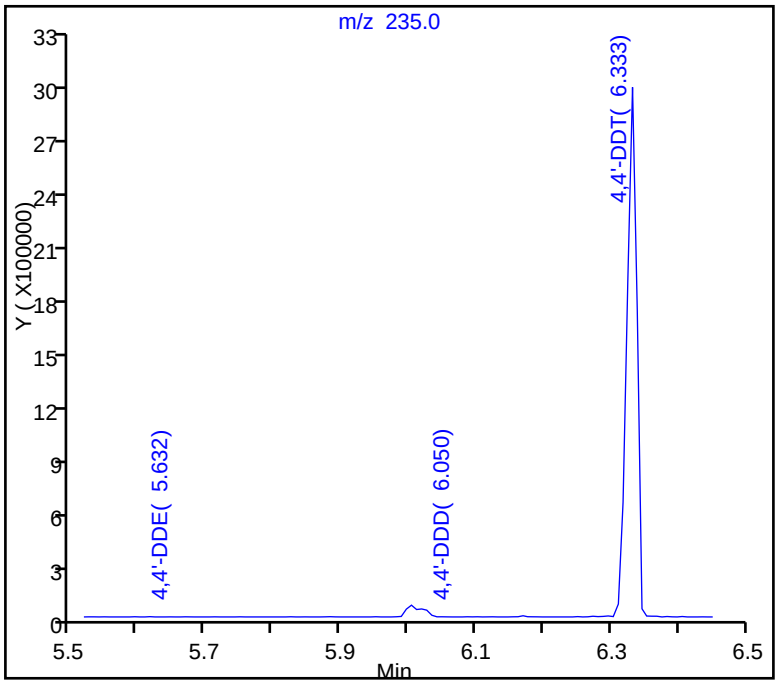
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	19008	196.00	20128	292.00	1462	421.00	6791
109.00	1729	198.00	1082880	293.00	4742	422.00	4007
110.00	299392	199.00	80032	294.00	778	423.00	60672
111.00	56184	200.00	3460	295.00	1550	424.00	9425
112.00	5589	201.00	2287	296.00	79736	434.00	434
113.00	3144	202.00	4395	297.00	12886	441.00	95544
114.00	851	203.00	9149	298.00	516	442.00	1042112
115.00	660	204.00	38216	299.00	387	443.00	216128
116.00	5816	205.00	69992	300.00	227	444.00	18920
117.00	149568	206.00	258944	301.00	1236	445.00	624
118.00	8033	207.00	32216	302.00	573	447.00	446
119.00	1324	208.00	3969	303.00	9315	459.00	265
120.00	2123	209.00	2642	304.00	2282	470.00	220
122.00	9733	210.00	3639	305.00	820	472.00	128
123.00	35872	211.00	9808	306.00	447	474.00	116
124.00	12474	212.00	2941	307.00	275	487.00	165
125.00	5630	215.00	3060	308.00	400	494.00	210
127.00	481152	216.00	2191	309.00	1008	495.00	527
128.00	44080	217.00	82464	310.00	207		

Breakdown Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231612.D
Injection Date: 23-Aug-2016 09:32:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 3118126
126 4,4'-DDD, Area = 906
125 4,4'-DDE, Area = 7275

%Breakdown: 0.26%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

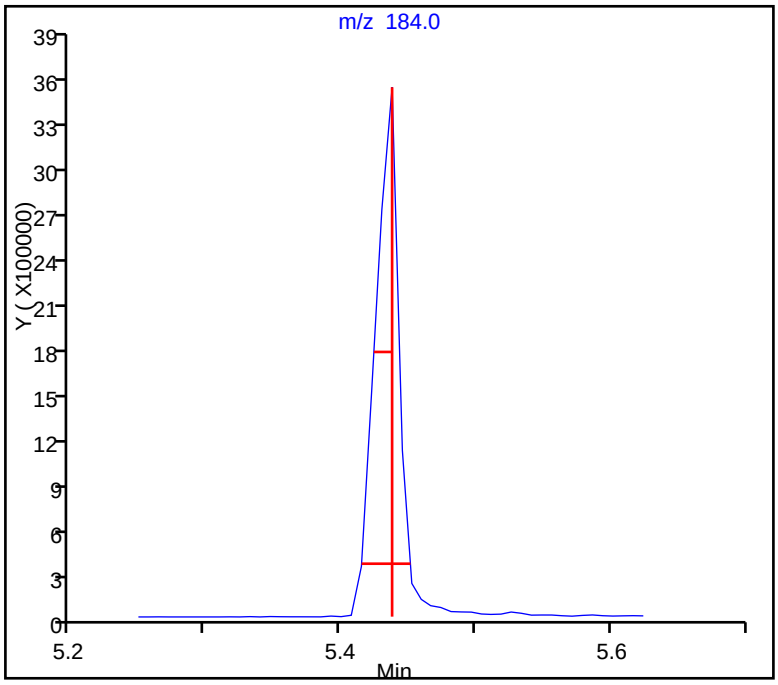
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231612.D
Injection Date: 23-Aug-2016 09:32:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

43 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.023 (min.)

Tailing Factor = 0.6, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

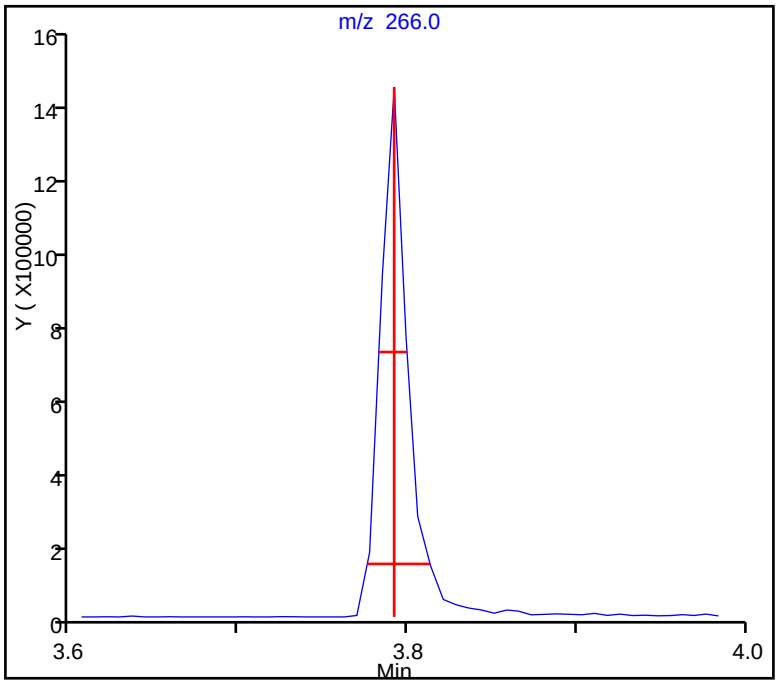
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231612.D
Injection Date: 23-Aug-2016 09:32:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

16 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231636.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 23-Aug-2016 18:49:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044772-001
Misc. Info.: dftpp
Operator ID: Instrument ID: CBNAMS6

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 23-Aug-2016 20:21:32 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: bayoumiw Date: 23-Aug-2016 19:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
16 Pentachlorophenol_T	266	3.795	3.795	0.000	91	2129153	NR	NR	
43 Benzidine_T	184	5.449	5.449	0.000	95	5690347	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.640	5.640	0.000	87	20689		NR	
126 4,4'-DDD	235	6.012	6.012	0.000	69	98800		NR	
127 4,4'-DDT	235	6.341	6.341	0.000	93	3851732	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

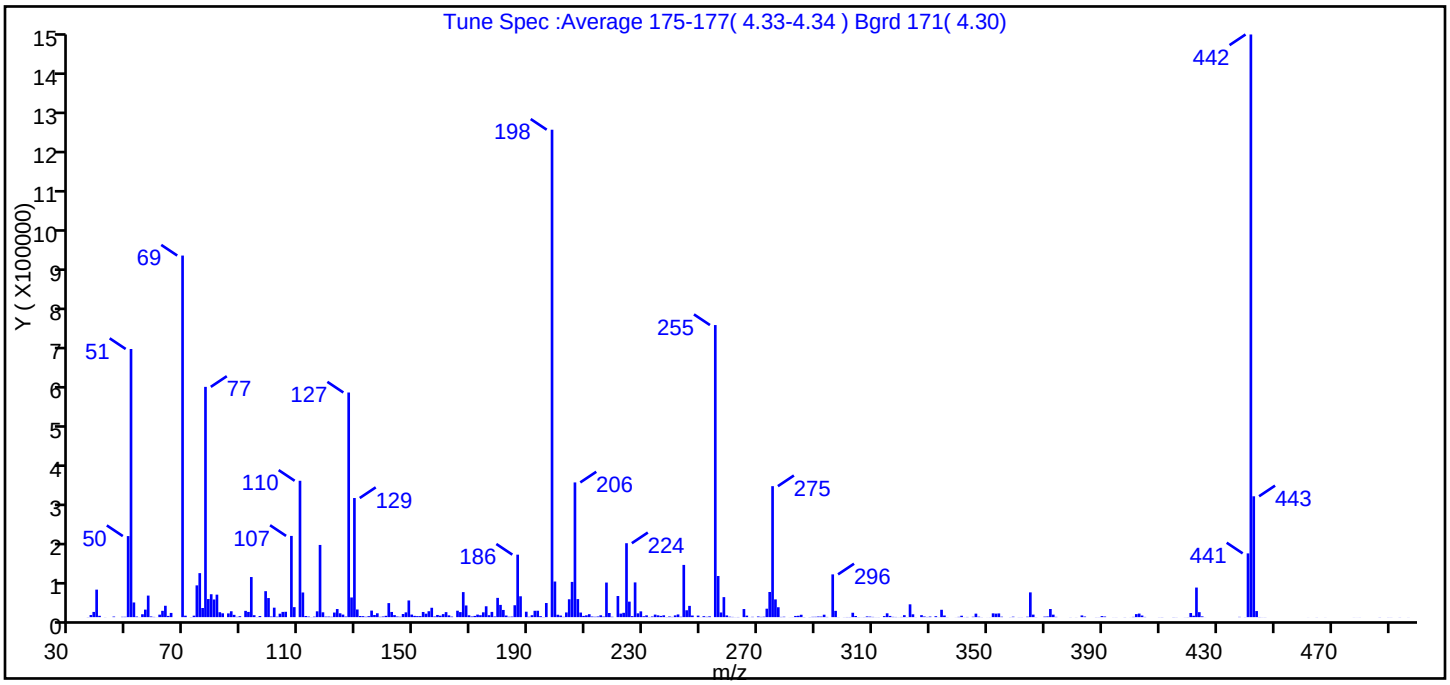
SMDFTTP_CH_00008 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231636.D
Injection Date: 23-Aug-2016 18:49:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	55.0
68	<2% of mass 69	0.0 (0.0)
69	Present	74.2
70	<2% of mass 69	0.3 (0.4)
127	40-60% of mass 198	46.1
197	<1% of mass 198	0.0
199	5-9% of mass 198	7.3
275	10-30% of mass 198	26.9
365	>1% of mass 198	5.1
441	Present but less than mass 443	13.1 (52.8)
442	>40% of mass 198	119.5
443	17-23% of mass 442	24.8 (20.7)

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231636.D\8270LVI_R6.rslt\spectra.d
Injection Date: 23-Aug-2016 18:49:30
Spectrum: Tune Spec :Average 175-177(4.33-4.34) Bgrd 171(4.30)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 349

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	328	138.00	825	230.00	2274	328.00	1685
37.00	5347	139.00	1663	231.00	4582	329.00	489
38.00	13336	140.00	3346	232.00	554	330.00	1511
39.00	70264	141.00	35840	233.00	1722	332.00	2473
40.00	3445	142.00	13253	234.00	6491	333.00	176
42.00	220	143.00	5176	235.00	4608	334.00	18824
45.00	1537	144.00	1628	236.00	3171	335.00	4120
48.00	884	145.00	981	237.00	4669	336.00	192
49.00	888	146.00	7984	238.00	372	339.00	132
50.00	206976	147.00	12209	239.00	1690	340.00	691
51.00	684736	148.00	42616	240.00	623	341.00	3618
52.00	37472	149.00	6576	241.00	4476	342.00	177
53.00	1533	150.00	3292	242.00	6885	343.00	505
54.00	202	151.00	2626	243.00	997	345.00	1021
55.00	7390	152.00	2577	244.00	133376	346.00	8974
56.00	19224	153.00	13200	245.00	17584	347.00	1184
57.00	55040	154.00	8808	246.00	28760	348.00	241
58.00	1724	155.00	15144	247.00	4119	350.00	103
59.00	599	156.00	23960	249.00	3941	351.00	189
60.00	141	157.00	1722	250.00	165	352.00	9703
61.00	6322	158.00	5591	251.00	2447	353.00	9001
62.00	16126	159.00	3773	252.00	829	354.00	9538
63.00	29056	160.00	7716	253.00	2053	355.00	1155
64.00	3154	161.00	12834	255.00	745856	358.00	269
65.00	10776	162.00	4556	256.00	105048	359.00	1171
69.00	923328	163.00	1437	257.00	11907	361.00	245
70.00	3698	165.00	16408	258.00	51112	362.00	231
72.00	370	166.00	12909	259.00	4381	364.00	1102
73.00	3748	167.00	63928	260.00	1115	365.00	63272
74.00	81136	168.00	29832	261.00	609	366.00	6440
75.00	112384	169.00	4762	262.00	223	367.00	244
76.00	23368	170.00	1734	263.00	421	370.00	1360
77.00	588032	171.00	3125	265.00	20736	371.00	1733

Report Date: 23-Aug-2016 20:21:34 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231636.D\8270LVI_R6.rslt\spectra.d
Injection Date: 23-Aug-2016 18:49:30
Spectrum: Tune Spec :Average 175-177(4.33-4.34) Bgrd 171(4.30)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 349

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	46208	172.00	6485	266.00	3855	372.00	20808
79.00	58496	173.00	4911	267.00	110	373.00	6357
80.00	45104	174.00	12349	268.00	817	374.00	699
81.00	57424	175.00	27768	270.00	1734	379.00	223
82.00	12587	176.00	4948	271.00	695	381.00	166
83.00	9815	177.00	13383	272.00	1147	383.00	4365
85.00	9558	178.00	1657	273.00	21560	384.00	1571
86.00	15014	179.00	49192	274.00	64256	388.00	251
87.00	5837	180.00	31264	275.00	334464	389.00	210
88.00	775	181.00	18376	276.00	45336	390.00	2730
89.00	2389	182.00	4101	277.00	25256	391.00	1567
91.00	16059	183.00	1037	278.00	606	394.00	144
92.00	13353	184.00	1435	279.00	1064	395.00	171
93.00	102408	185.00	30384	281.00	135	398.00	280
94.00	4927	186.00	159552	282.00	200	400.00	110
95.00	296	187.00	53296	283.00	3083	401.00	666
96.00	2888	189.00	13887	284.00	3483	402.00	7717
98.00	66304	190.00	980	285.00	6099	403.00	9130
99.00	48752	191.00	4899	286.00	376	404.00	4080
100.00	1529	192.00	16262	288.00	315	405.00	564
101.00	24184	193.00	16368	289.00	816	410.00	215
102.00	1120	194.00	2511	290.00	937	411.00	325
103.00	8829	195.00	373	291.00	1610	415.00	336
104.00	13353	196.00	36048	292.00	1365	416.00	210
105.00	13688	198.00	1244672	293.00	6211	419.00	162
107.00	207424	199.00	90936	294.00	544	420.00	264
108.00	25528	200.00	6120	296.00	109208	421.00	10505
110.00	348224	201.00	4062	297.00	16072	422.00	3553
111.00	62976	202.00	733	298.00	238	423.00	75552
112.00	2850	203.00	11980	300.00	218	424.00	12694
113.00	1491	204.00	45640	301.00	407	425.00	1945
114.00	243	205.00	89984	302.00	400	426.00	104
115.00	1300	206.00	344000	303.00	11237	438.00	703
116.00	14885	207.00	46112	304.00	2924	440.00	223

Report Date: 23-Aug-2016 20:21:34 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231636.D\8270LVI_R6.rslt\spectra.d
Injection Date: 23-Aug-2016 18:49:30
Spectrum: Tune Spec :Average 175-177(4.33-4.34) Bgrd 171(4.30)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 349

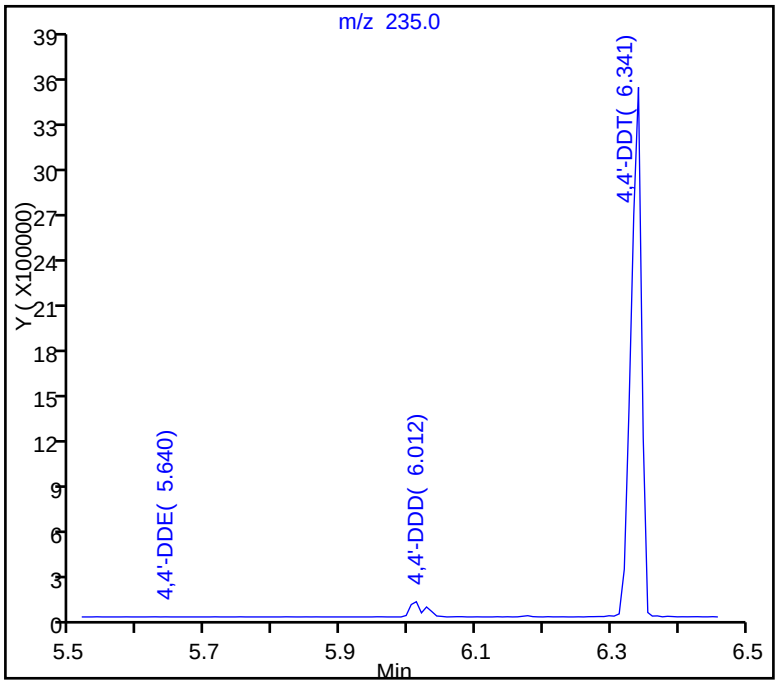
m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	184384	208.00	11713	305.00	352	441.00	162816
118.00	12394	209.00	3207	306.00	151	442.00	1487872
119.00	1364	210.00	4592	307.00	292	443.00	308608
120.00	1483	211.00	7520	308.00	1881	444.00	15520
121.00	932	212.00	1592	309.00	1340	445.00	407
122.00	11741	213.00	995	310.00	638	446.00	186
123.00	20728	214.00	1633	311.00	192	447.00	212
124.00	9878	215.00	4735	312.00	248	462.00	103
125.00	6520	216.00	1382	314.00	2639	465.00	202
126.00	1466	217.00	88328	315.00	9810	468.00	132
127.00	573632	218.00	10571	316.00	3095	478.00	149
128.00	50248	219.00	1019	317.00	746	479.00	100
129.00	304192	221.00	53952	318.00	499	480.00	156
130.00	19568	222.00	9070	319.00	192	487.00	295
131.00	2931	223.00	11040	320.00	537	490.00	207
132.00	2502	224.00	188800	321.00	5034	491.00	184
133.00	939	225.00	39640	322.00	301	494.00	244
134.00	2490	226.00	2616	323.00	32728	497.00	147
135.00	16728	227.00	88704	324.00	7279		
136.00	5406	228.00	9711	325.00	183		
137.00	9857	229.00	14785	327.00	5096		

Breakdown Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231636.D
Injection Date: 23-Aug-2016 18:49:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 3851732
126 4,4'-DDD, Area = 98800
125 4,4'-DDE, Area = 20689

%Breakdown: 3.01%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

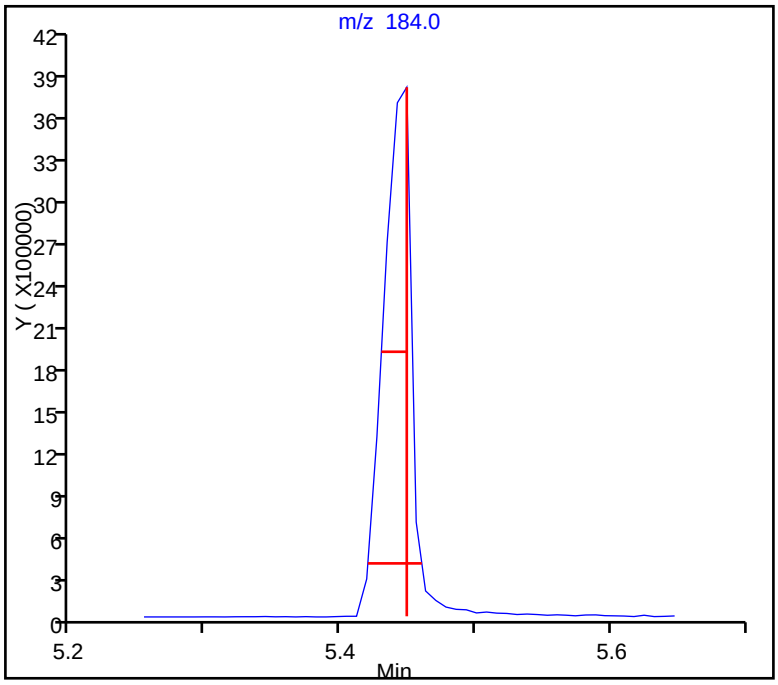
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231636.D
Injection Date: 23-Aug-2016 18:49:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

43 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.029 (min.)

Tailing Factor = 0.4, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

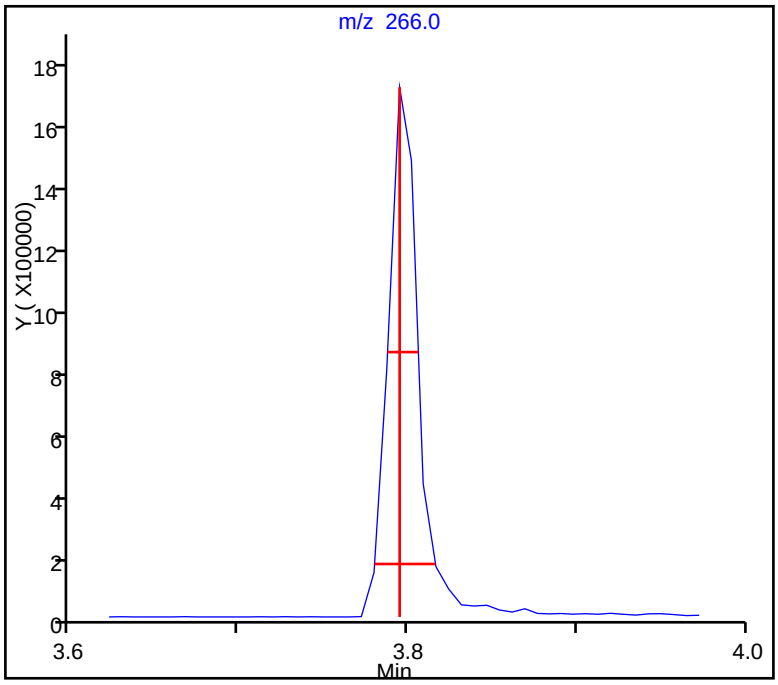
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231636.D
Injection Date: 23-Aug-2016 18:49:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

16 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231672.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 24-Aug-2016 07:23:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044785-001
Misc. Info.: dftpp
Operator ID: Instrument ID: CBNAMS6

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 12:27:29 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: nimerd Date: 24-Aug-2016 07:36:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
16 Pentachlorophenol_T	266	3.758	3.758	0.000	92	1672235	NR	NR	
43 Benzidine_T	184	5.406	5.406	0.000	96	4322067	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.607	5.607	0.000	20	7249		NR	
126 4,4'-DDD	235	5.995	5.995	0.000	88	39200		NR	
127 4,4'-DDT	235	6.304	6.304	0.000	93	3112586	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

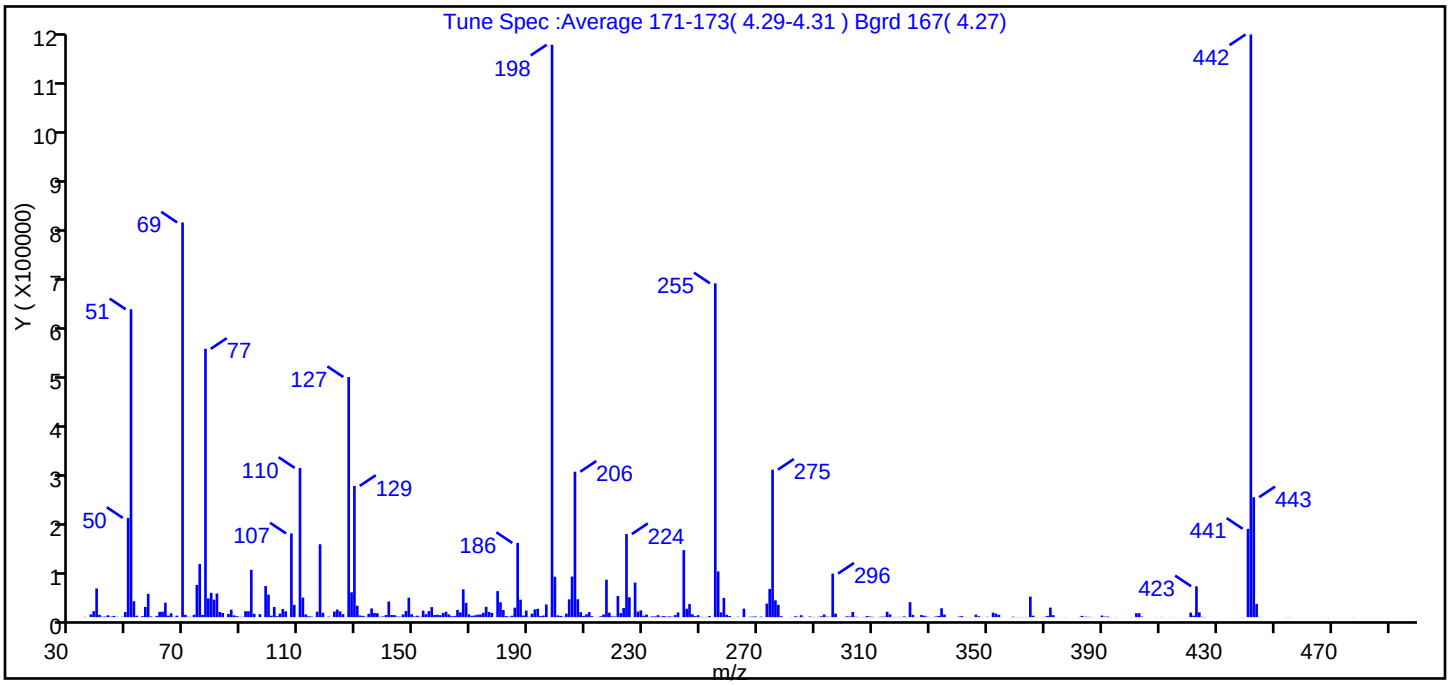
SMDFTTP_CH_00008 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231672.D
Injection Date: 24-Aug-2016 07:23:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	53.8
68	<2% of mass 69	0.0 (0.0)
69	Present	69.0
70	<2% of mass 69	0.4 (0.6)
127	40-60% of mass 198	41.9
197	<1% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-30% of mass 198	25.8
365	>1% of mass 198	3.6
441	Present but less than mass 443	15.4 (73.7)
442	>40% of mass 198	101.8
443	17-23% of mass 442	20.9 (20.6)

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231672.D\8270LVI_R6.rslt\spectra.d
Injection Date: 24-Aug-2016 07:23:30
Spectrum: Tune Spec :Average 171-173(4.29-4.31) Bgrd 167(4.27)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	507	133.00	724	221.00	42064	320.00	447
37.00	5482	134.00	6839	222.00	8043	321.00	1492
38.00	11906	135.00	17392	223.00	18368	322.00	236
39.00	57112	136.00	8353	224.00	165568	323.00	29776
40.00	4695	137.00	7748	225.00	39608	324.00	4473
41.00	874	138.00	639	227.00	68872	327.00	4199
42.00	1231	139.00	1350	228.00	11117	328.00	2827
43.00	3765	140.00	4131	229.00	13413	329.00	972
44.00	918	141.00	31176	230.00	2874	330.00	206
45.00	2466	142.00	4246	231.00	5090	331.00	143
46.00	675	143.00	4015	232.00	588	332.00	1232
48.00	762	144.00	1165	233.00	1486	333.00	2307
49.00	9970	145.00	982	234.00	1519	334.00	17680
50.00	197760	146.00	5372	235.00	3937	335.00	5128
51.00	613568	147.00	12197	236.00	1006	340.00	1046
52.00	31784	148.00	38712	237.00	2226	341.00	2032
53.00	2939	149.00	5771	238.00	1026	342.00	496
55.00	1977	150.00	1370	239.00	1507	344.00	311
56.00	20312	151.00	2931	240.00	948	346.00	5085
57.00	46376	152.00	748	241.00	4140	347.00	1782
58.00	1414	153.00	13003	242.00	9336	348.00	142
60.00	2554	154.00	5848	244.00	133568	350.00	680
61.00	10586	155.00	12057	245.00	16832	352.00	9027
62.00	10901	156.00	20024	246.00	26048	353.00	7050
63.00	28832	157.00	4229	247.00	5721	354.00	4678
64.00	3027	158.00	4903	248.00	1963	358.00	205
65.00	7751	159.00	3746	249.00	3876	359.00	952
66.00	460	160.00	8429	250.00	635	360.00	139
67.00	2984	161.00	10883	251.00	366	361.00	311
69.00	786560	162.00	5413	252.00	538	362.00	374
70.00	4612	163.00	1878	253.00	2291	363.00	167
71.00	783	164.00	2038	255.00	665280	364.00	198
72.00	449	165.00	14357	256.00	91072	365.00	40928

Report Date: 24-Aug-2016 12:27:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231672.D\8270LVI_R6.rslt\spectra.d
Injection Date: 24-Aug-2016 07:23:30
Spectrum: Tune Spec :Average 171-173(4.29-4.31) Bgrd 167(4.27)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	4625	166.00	9392	257.00	9391	366.00	2891
74.00	64192	167.00	55456	258.00	38368	367.00	206
75.00	105784	168.00	28464	259.00	4556	370.00	654
76.00	4541	169.00	5544	260.00	2301	371.00	2531
77.00	534784	170.00	2709	261.00	355	372.00	19040
78.00	37288	171.00	3527	263.00	754	373.00	3966
79.00	48440	172.00	4964	265.00	17016	377.00	283
80.00	34720	173.00	5310	267.00	772	382.00	413
81.00	47096	174.00	8632	268.00	1016	383.00	2542
82.00	10326	175.00	20624	269.00	1374	384.00	832
83.00	8268	176.00	10223	270.00	237	385.00	752
85.00	6365	177.00	8591	271.00	1111	386.00	449
86.00	14907	179.00	51896	273.00	27048	387.00	190
87.00	3446	180.00	29608	274.00	56216	390.00	3186
88.00	1968	181.00	14116	275.00	293888	391.00	1000
89.00	718	182.00	2231	276.00	33648	392.00	1258
90.00	565	183.00	1102	277.00	24568	393.00	277
91.00	11889	184.00	2743	278.00	2037	395.00	315
92.00	11837	185.00	18832	281.00	283	400.00	146
93.00	94296	186.00	147840	283.00	1857	401.00	220
94.00	6662	187.00	34688	284.00	762	402.00	7923
96.00	6016	188.00	3233	285.00	3912	403.00	7828
98.00	61984	189.00	13217	286.00	431	404.00	1127
99.00	44832	190.00	551	288.00	1220	409.00	221
100.00	2798	191.00	6831	289.00	396	411.00	407
101.00	20224	192.00	15372	290.00	391	414.00	169
102.00	1936	193.00	16656	291.00	613	415.00	304
103.00	7031	194.00	2177	292.00	1689	416.00	157
104.00	16249	195.00	3171	293.00	5261	420.00	184
105.00	11598	196.00	25240	294.00	958	421.00	9123
107.00	166784	198.00	1140736	295.00	697	422.00	2964
108.00	24480	199.00	80584	296.00	86792	423.00	61512
110.00	297408	200.00	3600	297.00	7024	424.00	9515
111.00	39040	201.00	2456	300.00	291	425.00	708

Report Date: 24-Aug-2016 12:27:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231672.D\8270LVI_R6.rslt\spectra.d
Injection Date: 24-Aug-2016 07:23:30
Spectrum: Tune Spec :Average 171-173(4.29-4.31) Bgrd 167(4.27)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

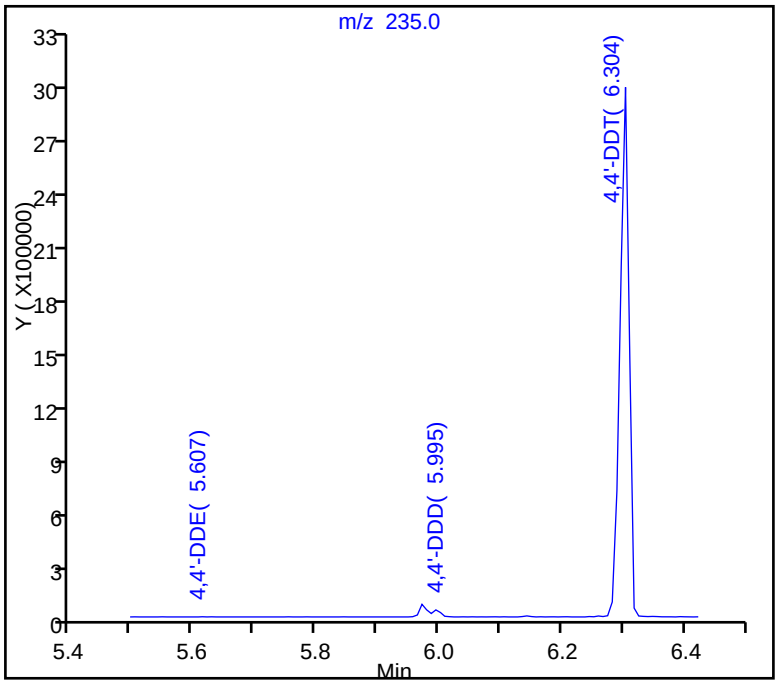
m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	5451	202.00	899	301.00	1656	426.00	252
113.00	1827	203.00	6936	302.00	1385	439.00	233
114.00	1312	204.00	35552	303.00	10246	441.00	176064
115.00	40	205.00	80936	304.00	1033	442.00	1161216
116.00	10900	206.00	289856	305.00	349	443.00	238976
117.00	145280	207.00	35648	306.00	232	444.00	26448
118.00	8768	208.00	9882	307.00	385	445.00	377
120.00	1163	209.00	2489	308.00	2352	455.00	356
122.00	11249	210.00	5509	309.00	1319	456.00	198
123.00	15223	211.00	9986	310.00	694	469.00	129
124.00	11491	212.00	1916	312.00	460	471.00	108
125.00	5845	214.00	407	313.00	976	478.00	271
127.00	478528	215.00	1836	314.00	972	483.00	164
128.00	49568	216.00	5244	315.00	10700	486.00	194
129.00	261504	217.00	74608	316.00	5623	490.00	146
130.00	22760	218.00	8720	317.00	245	499.00	195
131.00	3345	219.00	1504	318.00	415		
132.00	2616	220.00	1246	319.00	510		

Breakdown Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231672.D
Injection Date: 24-Aug-2016 07:23:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 3112586
126 4,4'-DDD, Area = 39200
125 4,4'-DDE, Area = 7249

%Breakdown: 1.47%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Edison

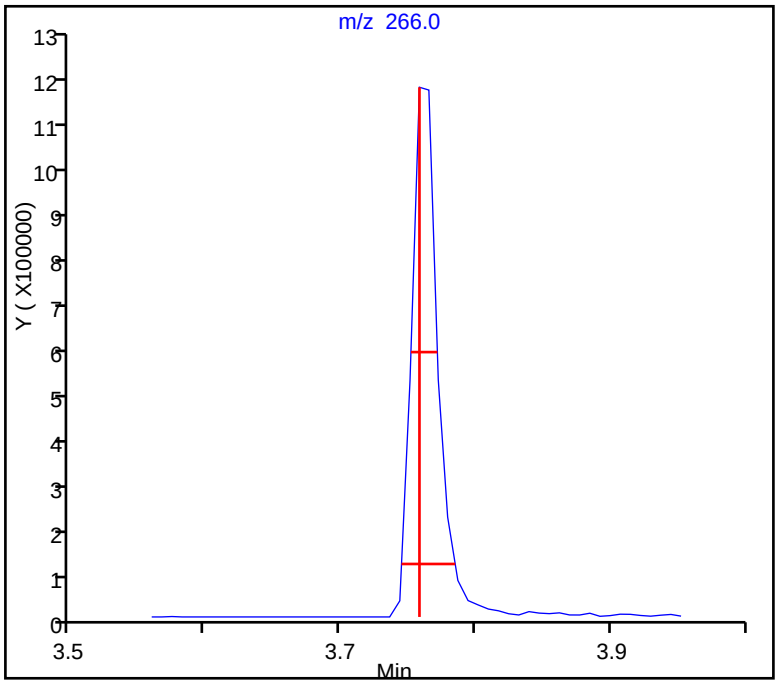
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231672.D
Injection Date: 24-Aug-2016 07:23:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

16 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.027 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 2.0, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Edison

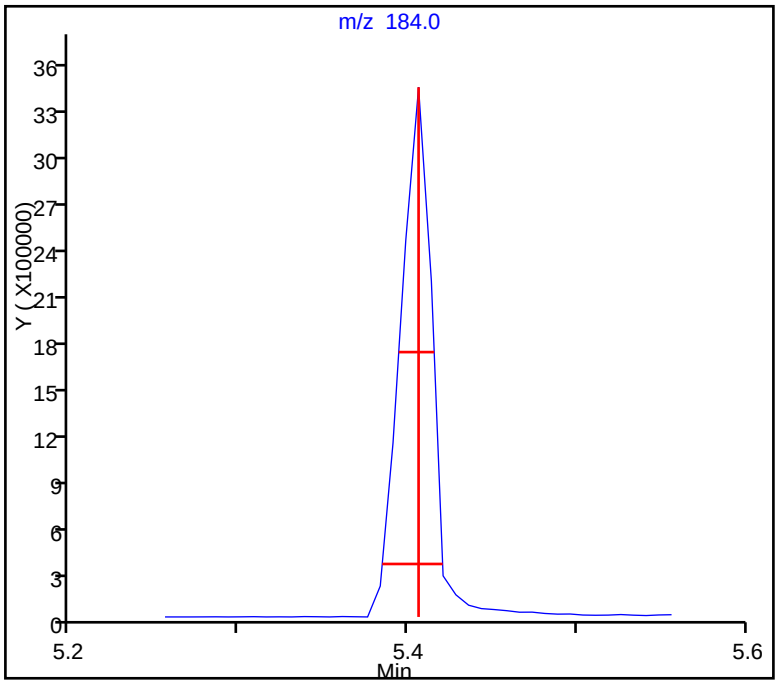
Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231672.D
Injection Date: 24-Aug-2016 07:23:30 Instrument ID: CBNAMS6
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

43 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.022 (min.)

Tailing Factor = 0.7, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385919/1-A

Matrix: Solid | Lab File ID: z41811361.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/22/2016 08:59

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	33	U	33	7.3
95-50-1	1,2-Dichlorobenzene	330	U	330	11
541-73-1	1,3-Dichlorobenzene	330	U	330	26
106-46-7	1,4-Dichlorobenzene	330	U	330	26
108-60-1	2,2'-oxybis[1-chloropropane]	330	U	330	14
121-14-2	2,4-Dinitrotoluene	67	U	67	13
606-20-2	2,6-Dinitrotoluene	67	U	67	18
91-58-7	2-Chloronaphthalene	330	U	330	7.5
91-57-6	2-Methylnaphthalene	330	U	330	7.3
88-74-4	2-Nitroaniline	330	U	330	11
91-94-1	3,3'-Dichlorobenzidine	130	U	130	37
99-09-2	3-Nitroaniline	330	U	330	9.8
101-55-3	4-Bromophenyl phenyl ether	330	U	330	10
106-47-8	4-Chloroaniline	330	U	330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	330	U	330	9.9
100-01-6	4-Nitroaniline	330	U	330	13
83-32-9	Acenaphthene	330	U	330	8.0
208-96-8	Acenaphthylene	330	U	330	8.5
120-12-7	Anthracene	330	U	330	31
56-55-3	Benzo[a]anthracene	33	U	33	28
50-32-8	Benzo[a]pyrene	33	U	33	10
205-99-2	Benzo[b]fluoranthene	33	U	33	13
191-24-2	Benzo[g,h,i]perylene	330	U	330	19
207-08-9	Benzo[k]fluoranthene	33	U	33	14
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	10
111-44-4	Bis(2-chloroethyl)ether	33	U	33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	330	U	330	13
85-68-7	Butyl benzyl phthalate	330	U	330	10
86-74-8	Carbazole	330	U	330	8.2
218-01-9	Chrysene	330	U	330	9.0
53-70-3	Dibenz(a,h)anthracene	33	U	33	17
132-64-9	Dibenzofuran	330	U	330	10
84-66-2	Diethyl phthalate	330	U	330	9.4
131-11-3	Dimethyl phthalate	330	U	330	9.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385919/1-A

Matrix: Solid | Lab File ID: z41811361.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/22/2016 08:59

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	330	U	330	9.9
117-84-0	Di-n-octyl phthalate	330	U	330	17
206-44-0	Fluoranthene	330	U	330	9.8
86-73-7	Fluorene	330	U	330	7.2
118-74-1	Hexachlorobenzene	33	U	33	13
87-68-3	Hexachlorobutadiene	67	U	67	9.3
77-47-4	Hexachlorocyclopentadiene	330	U	330	21
67-72-1	Hexachloroethane	33	U	33	12
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	33	22
78-59-1	Isophorone	130	U	130	7.1
91-20-3	Naphthalene	330	U	330	8.4
98-95-3	Nitrobenzene	33	U	33	10
621-64-7	N-Nitrosodi-n-propylamine	33	U	33	11
86-30-6	N-Nitrosodiphenylamine	330	U	330	30
85-01-8	Phenanthrene	330	U	330	8.8
129-00-0	Pyrene	330	U	330	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	86		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	83		37-94
1718-51-0	Terphenyl-d14 (Surr)	102		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811361.D
Lims ID: MB 460-385919/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Aug-2016 08:59:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044693-006
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 11:26:36 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: bayoumiw Date: 22-Aug-2016 11:26:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.640	2.610	0.030	94	652651	50.0	40.5	
$ 6 Phenol-d5	99	3.528	3.546	-0.018	87	770837	50.0	43.0	
* 14 1,4-Dichlorobenzene-d4	152	3.857	3.857	0.000	95	508744	40.0	40.0	
$ 26 Nitrobenzene-d5	82	4.422	4.440	-0.018	90	660865	50.0	41.7	
29 2-Toluidine	107	5.151	5.051	0.100	34	7751		NC	
* 38 Naphthalene-d8	136	5.151	5.151	0.000	99	1780125	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.251	6.257	-0.006	98	1558265	50.0	43.0	
* 65 Acenaphthene-d10	164	6.904	6.904	0.000	92	901657	40.0	40.0	
$ 80 2,4,6-Tribromophenol	330	7.687	7.692	-0.006	94	196965	50.0	48.2	
* 87 Phenanthrene-d10	188	8.357	8.363	-0.006	98	1242809	40.0	40.0	
$ 96 Terphenyl-d14	244	9.945	9.939	0.006	100	1052862	50.0	51.2	
* 102 Chrysene-d12	240	10.998	10.998	0.000	99	700719	40.0	40.0	
* 109 Perylene-d12	264	12.745	12.745	0.000	99	516043	40.0	40.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_00118 Amount Added: 20.00 Units: uL Run Reagent

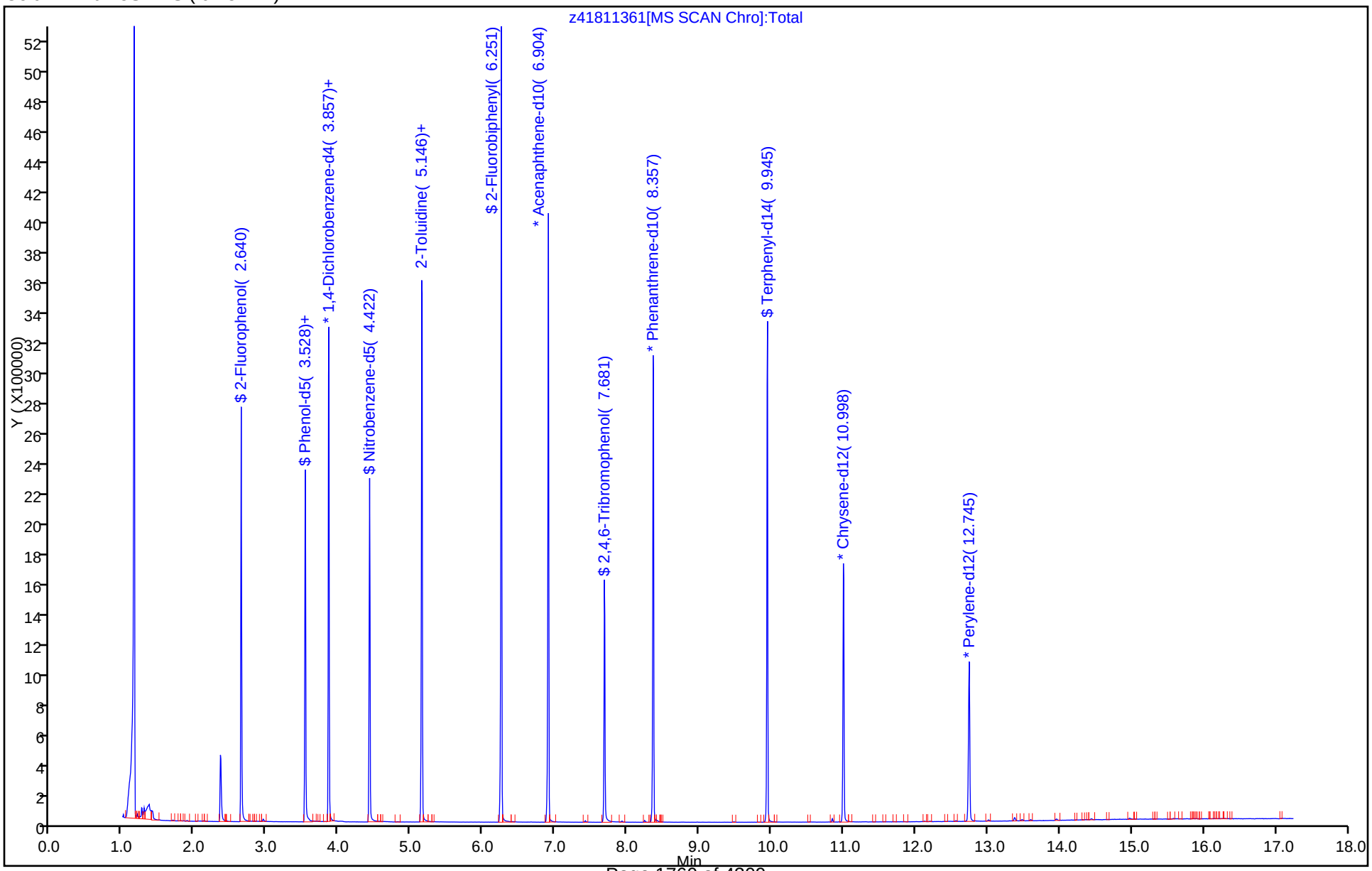
Report Date: 22-Aug-2016 11:26:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811361.D

Injection Date:	22-Aug-2016 08:59:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	MB 460-385919/1-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385924/1-A

Matrix: Water | Lab File ID: M231658.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/20/2016 13:50

Sample wt/vol: 250(mL) | Date Analyzed: 08/24/2016 02:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386360 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.61
95-50-1	1,2-Dichlorobenzene	10	U	10	0.83
541-73-1	1,3-Dichlorobenzene	10	U	10	1.1
106-46-7	1,4-Dichlorobenzene	10	U	10	0.66
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.93
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.88
91-58-7	2-Chloronaphthalene	10	U	10	0.61
91-57-6	2-Methylnaphthalene	10	U	10	0.88
88-74-4	2-Nitroaniline	10	U	10	0.65
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.0
99-09-2	3-Nitroaniline	10	U	10	0.82
101-55-3	4-Bromophenyl phenyl ether	10	U	10	1.0
106-47-8	4-Chloroaniline	10	U	10	0.73
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	0.96
100-01-6	4-Nitroaniline	10	U	10	0.48
83-32-9	Acenaphthene	10	U	10	0.88
208-96-8	Acenaphthylene	10	U	10	0.65
120-12-7	Anthracene	10	U	10	0.57
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.55
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.16
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.44
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.75
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.18
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.69
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.12
117-81-7	Bis(2-ethylhexyl) phthalate	1.44	J	2.0	0.72
85-68-7	Butyl benzyl phthalate	10	U	10	0.60
86-74-8	Carbazole	10	U	10	0.85
218-01-9	Chrysene	2.0	U	2.0	0.67
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.090
132-64-9	Dibenzofuran	10	U	10	0.85
84-66-2	Diethyl phthalate	10	U	10	1.0
131-11-3	Dimethyl phthalate	10	U	10	0.98

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-385924/1-A

Matrix: Water | Lab File ID: M231658.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/20/2016 13:50

Sample wt/vol: 250(mL) | Date Analyzed: 08/24/2016 02:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386360 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	10	U	10	0.82
117-84-0	Di-n-octyl phthalate	10	U	10	0.69
206-44-0	Fluoranthene	10	U	10	0.72
86-73-7	Fluorene	10	U	10	0.80
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.47
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.76
77-47-4	Hexachlorocyclopentadiene	10	U	10	0.61
67-72-1	Hexachloroethane	1.0	U	1.0	0.090
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.21
78-59-1	Isophorone	10	U	10	0.67
91-20-3	Naphthalene	10	U	10	0.80
98-95-3	Nitrobenzene	1.0	U	1.0	0.49
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.83
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.74
85-01-8	Phenanthrene	10	U	10	0.65
129-00-0	Pyrene	10	U	10	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	85		45-107
4165-60-0	Nitrobenzene-d5 (Surr)	96		51-108
1718-51-0	Terphenyl-d14 (Surr)	117		40-148

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231658.D
Lims ID: MB 460-385924/1-A
Client ID:
Sample Type: MB
Inject. Date: 24-Aug-2016 02:00:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044773-023
Operator ID: Instrument ID: CBNAMS6

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 12:26:16 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: croccom Date: 24-Aug-2016 08:21:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.467	2.460	0.007	69	167581	10.0	4.80	
$ 6 Phenol-d5	99	3.395	3.399	-0.004	65	154491	10.0	2.63	
10 Benzonitrile	103	3.451	3.416	0.035	1	491		NC	
* 14 1,4-Dichlorobenzene-d4	152	3.646	3.650	-0.004	90	318336	8.00	8.00	
$ 28 Nitrobenzene-d5	82	4.227	4.241	-0.014	97	863668	10.0	9.63	
* 38 Naphthalene-d8	136	4.945	4.947	-0.002	97	1104136	8.00	8.00	
$ 52 2-Fluorobiphenyl	172	6.050	6.055	-0.005	95	1234824	10.0	8.48	
* 64 Acenaphthene-d10	164	6.697	6.700	-0.003	91	780008	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.482	7.490	-0.008	94	413092	10.0	9.51	
68 2-Naphthylamine	143	7.563	7.635	-0.072	1	204		NC	
* 87 Phenanthrene-d10	188	8.144	8.151	-0.007	97	1244571	8.00	8.00	
$ 96 Terphenyl-d14	244	9.716	9.723	-0.007	98	1601939	10.0	11.7	
* 102 Chrysene-d12	240	10.753	10.754	-0.001	96	1039286	8.00	8.00	
103 Bis(2-ethylhexyl) phthalat	149	10.835	10.836	-0.001	81	15465		0.1800	
* 109 Perylene-d12	264	12.463	12.473	-0.010	97	996372	8.00	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00114 Amount Added: 20.00 Units: uL Run Reagent

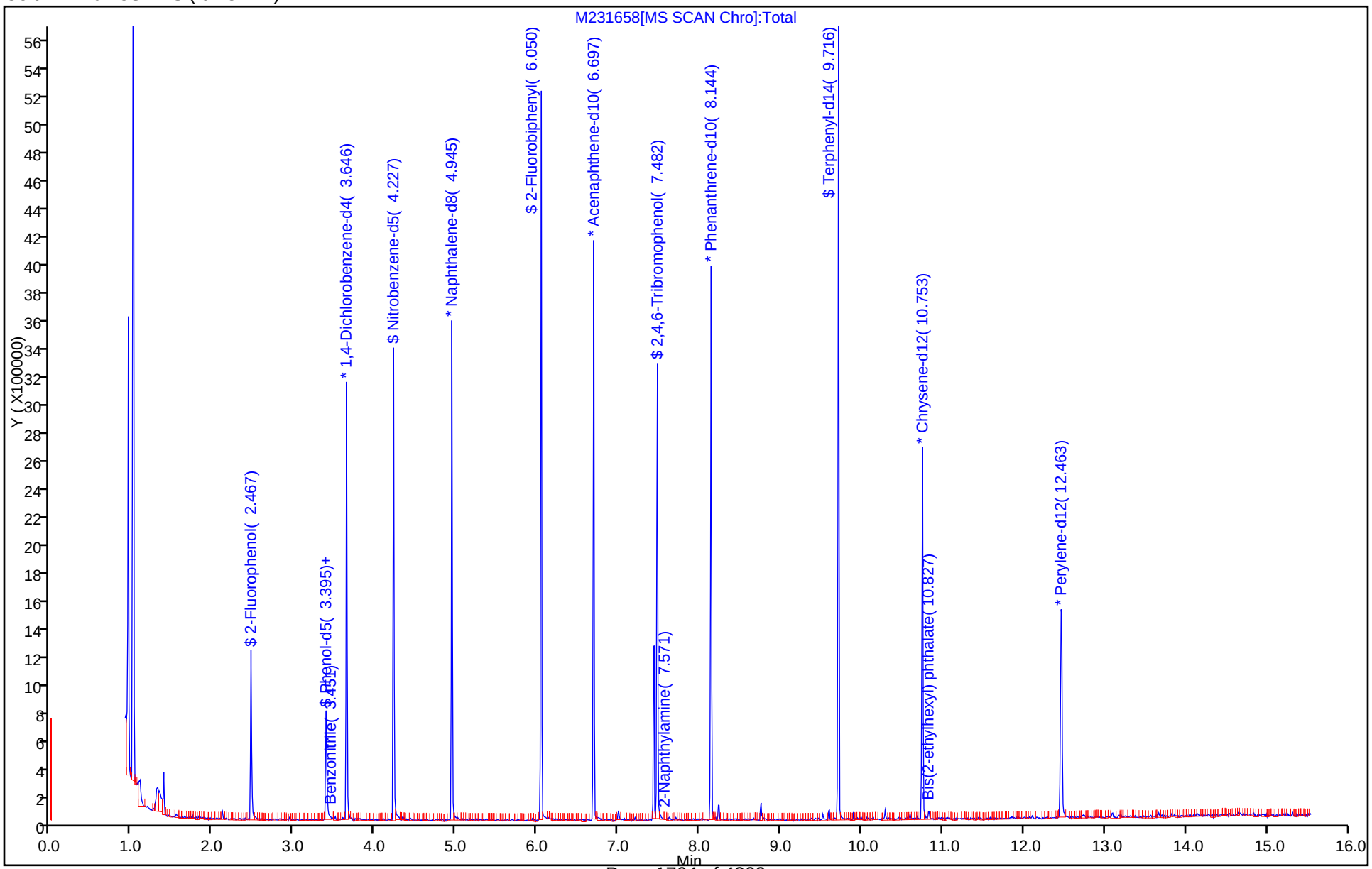
Report Date: 24-Aug-2016 12:26:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231658.D

Injection Date:	24-Aug-2016 02:00:30	Instrument ID:	CBNAMS6	Operator ID:	
Lims ID:	MB 460-385924/1-A			Worklist Smp#:	23
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 24-Aug-2016 12:26:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231658.D

Injection Date: 24-Aug-2016 02:00:30 Instrument ID: CBNAMS6

Lims ID: MB 460-385924/1-A

Client ID:

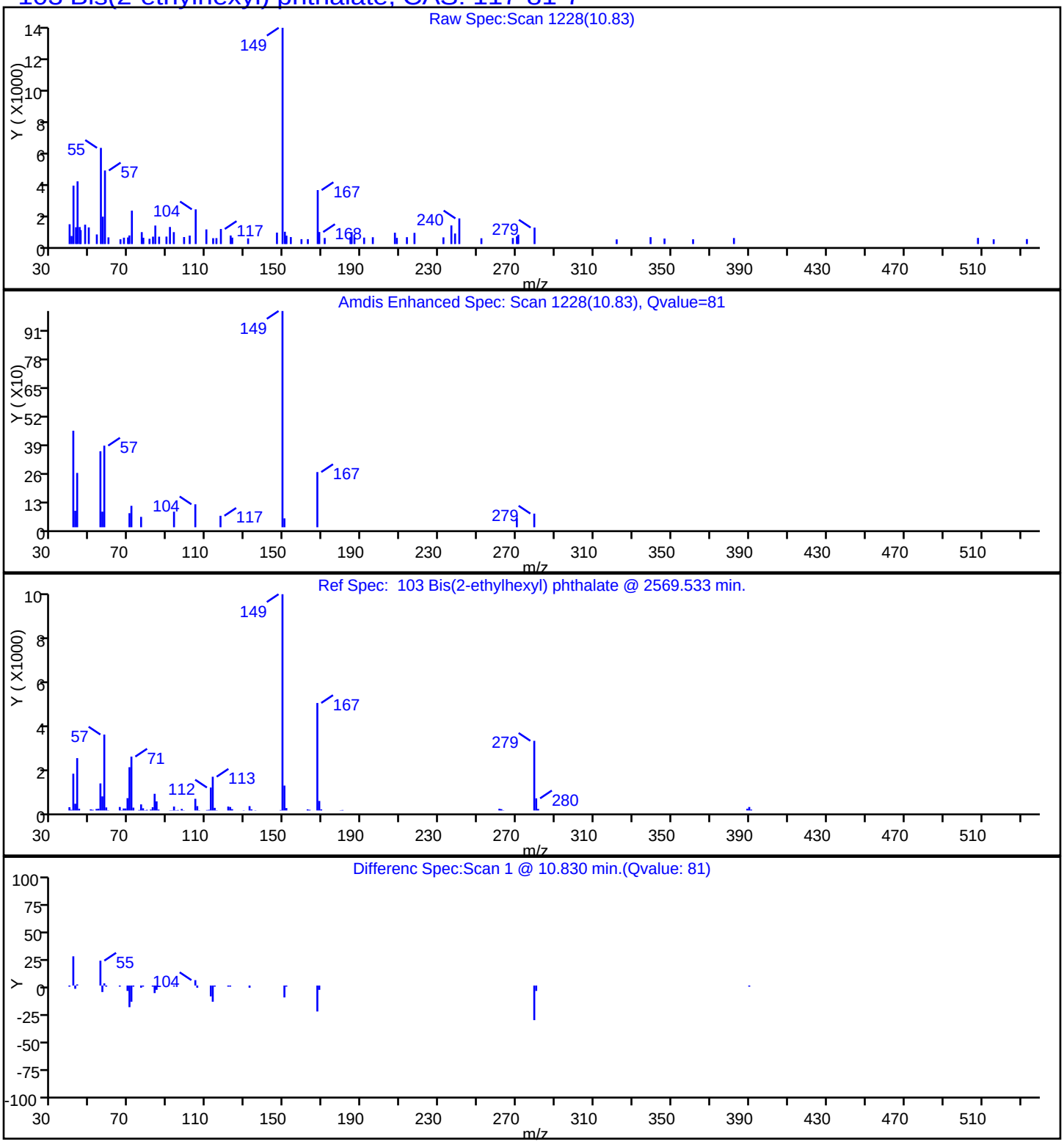
Operator ID: ALS Bottle#: 23 Worklist Smp#: 23

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

103 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386078/1-A

Matrix: Solid | Lab File ID: x17352.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 09:36

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	33	U	33	7.3
95-50-1	1,2-Dichlorobenzene	330	U	330	11
541-73-1	1,3-Dichlorobenzene	330	U	330	26
106-46-7	1,4-Dichlorobenzene	330	U	330	26
108-60-1	2,2'-oxybis[1-chloropropane]	330	U	330	14
121-14-2	2,4-Dinitrotoluene	67	U	67	13
606-20-2	2,6-Dinitrotoluene	67	U	67	18
91-58-7	2-Chloronaphthalene	330	U	330	7.5
91-57-6	2-Methylnaphthalene	330	U	330	7.3
88-74-4	2-Nitroaniline	330	U	330	11
91-94-1	3,3'-Dichlorobenzidine	130	U	130	37
99-09-2	3-Nitroaniline	330	U	330	9.8
101-55-3	4-Bromophenyl phenyl ether	330	U	330	10
106-47-8	4-Chloroaniline	330	U	330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	330	U	330	9.9
100-01-6	4-Nitroaniline	330	U	330	13
83-32-9	Acenaphthene	330	U	330	8.0
208-96-8	Acenaphthylene	330	U	330	8.5
120-12-7	Anthracene	330	U	330	31
56-55-3	Benzo[a]anthracene	33	U	33	28
50-32-8	Benzo[a]pyrene	33	U	33	10
205-99-2	Benzo[b]fluoranthene	33	U	33	13
191-24-2	Benzo[g,h,i]perylene	330	U	330	19
207-08-9	Benzo[k]fluoranthene	33	U	33	14
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	10
111-44-4	Bis(2-chloroethyl)ether	33	U	33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	330	U	330	13
85-68-7	Butyl benzyl phthalate	330	U	330	10
86-74-8	Carbazole	330	U	330	8.2
218-01-9	Chrysene	330	U	330	9.0
53-70-3	Dibenz(a,h)anthracene	33	U	33	17
132-64-9	Dibenzofuran	330	U	330	10
84-66-2	Diethyl phthalate	330	U	330	9.4
131-11-3	Dimethyl phthalate	330	U	330	9.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386078/1-A

Matrix: Solid | Lab File ID: x17352.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 09:36

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	330	U	330	9.9
117-84-0	Di-n-octyl phthalate	330	U	330	17
206-44-0	Fluoranthene	330	U	330	9.8
86-73-7	Fluorene	330	U	330	7.2
118-74-1	Hexachlorobenzene	33	U	33	13
87-68-3	Hexachlorobutadiene	67	U	67	9.3
77-47-4	Hexachlorocyclopentadiene	330	U	330	21
67-72-1	Hexachloroethane	33	U	33	12
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	33	22
78-59-1	Isophorone	130	U	130	7.1
91-20-3	Naphthalene	330	U	330	8.4
98-95-3	Nitrobenzene	33	U	33	10
621-64-7	N-Nitrosodi-n-propylamine	33	U	33	11
86-30-6	N-Nitrosodiphenylamine	330	U	330	30
85-01-8	Phenanthrene	330	U	330	8.8
129-00-0	Pyrene	330	U	330	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	81		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	78		37-94
1718-51-0	Terphenyl-d14 (Surr)	88		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17352.D
Lims ID: MB 460-386078/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2016 09:36:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-004
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 13:30:31 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: nimerd Date: 23-Aug-2016 09:54:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.310	3.287	0.023	96	772408	50.0	39.5	
$ 6 Phenol-d5	99	4.187	4.210	-0.023	86	949276	50.0	43.1	
* 14 1,4-Dichlorobenzene-d4	152	4.563	4.575	-0.012	96	572557	40.0	40.0	
$ 26 Nitrobenzene-d5	82	5.116	5.134	-0.018	86	841355	50.0	39.1	
* 38 Naphthalene-d8	136	5.845	5.857	-0.012	99	2076985	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1680143	50.0	40.3	
* 65 Acenaphthene-d10	164	7.598	7.610	-0.012	93	1086279	40.0	40.0	
63 2-Naphthylamine	143	8.375	8.385	-0.010	57	64935		NC	
62 1-Naphthylamine	143	8.375	8.385	-0.010	58	64935		NC	
$ 80 2,4,6-Tribromophenol	330	8.381	8.386	-0.005	91	281829	50.0	48.8	
* 88 Phenanthrene-d10	188	9.069	9.075	-0.006	99	1533717	40.0	40.0	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	99	1177903	50.0	44.0	
* 102 Chrysene-d12	240	11.898	11.904	-0.006	99	881613	40.0	40.0	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	635151	40.0	40.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

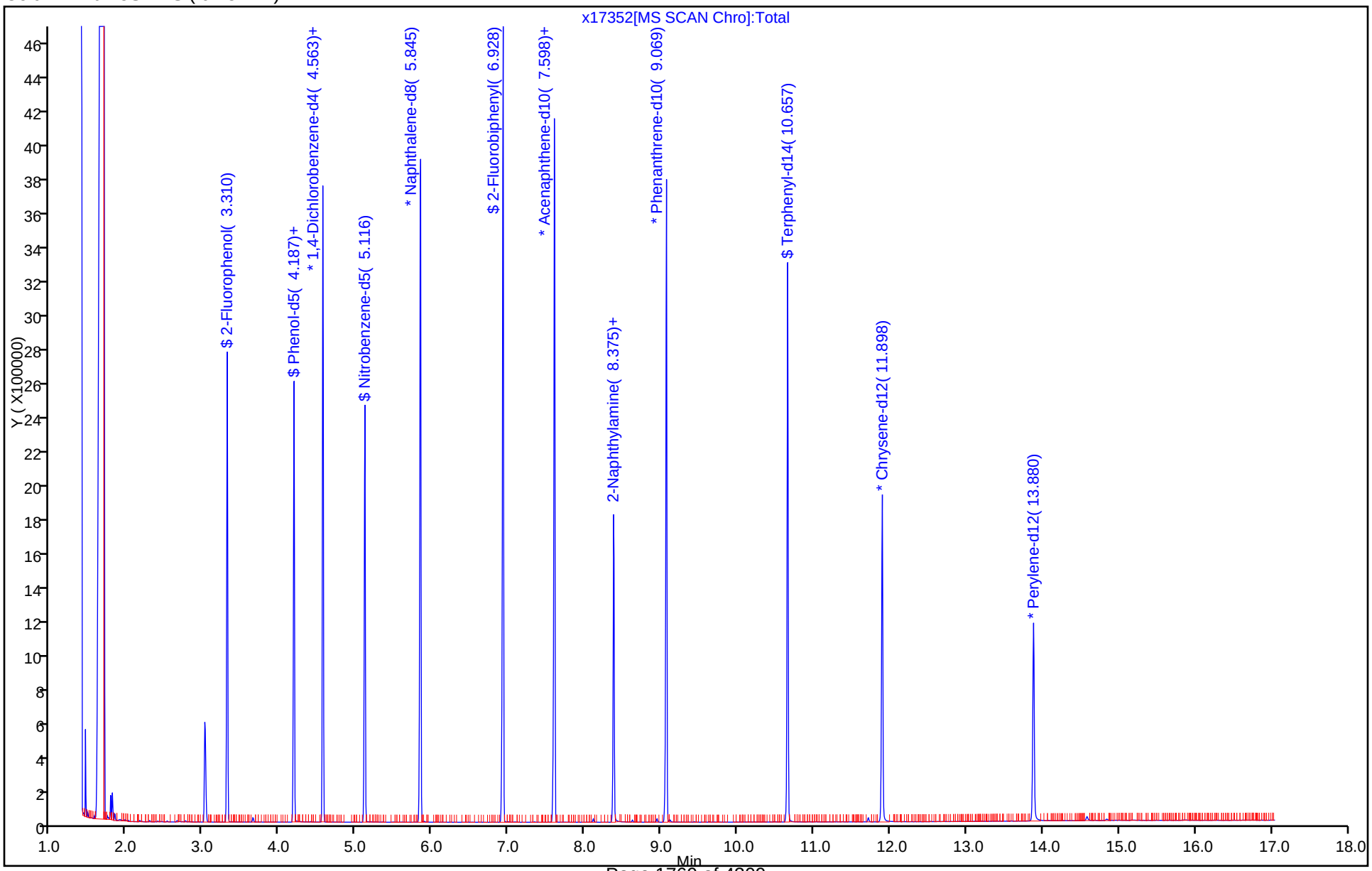
Report Date: 24-Aug-2016 13:30:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17352.D

Injection Date:	23-Aug-2016 09:36:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	MB 460-386078/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385919/2-A

Matrix: Solid | Lab File ID: z41811362.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/22/2016 09:23

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	3140		33	7.3
95-50-1	1,2-Dichlorobenzene	2910		330	11
541-73-1	1,3-Dichlorobenzene	2830		330	26
106-46-7	1,4-Dichlorobenzene	2880		330	26
108-60-1	2,2'-oxybis[1-chloropropane]	2770		330	14
121-14-2	2,4-Dinitrotoluene	3360		67	13
606-20-2	2,6-Dinitrotoluene	3220		67	18
91-58-7	2-Chloronaphthalene	3110		330	7.5
91-57-6	2-Methylnaphthalene	3190		330	7.3
88-74-4	2-Nitroaniline	2220		330	11
91-94-1	3,3'-Dichlorobenzidine	2100		130	37
99-09-2	3-Nitroaniline	2280		330	9.8
101-55-3	4-Bromophenyl phenyl ether	3160		330	10
106-47-8	4-Chloroaniline	2400		330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	3300		330	9.9
100-01-6	4-Nitroaniline	2770		330	13
83-32-9	Acenaphthene	3230		330	8.0
208-96-8	Acenaphthylene	3130		330	8.5
120-12-7	Anthracene	3300		330	31
56-55-3	Benzo[a]anthracene	3350		33	28
50-32-8	Benzo[a]pyrene	3420		33	10
205-99-2	Benzo[b]fluoranthene	3550		33	13
191-24-2	Benzo[g,h,i]perylene	3150		330	19
207-08-9	Benzo[k]fluoranthene	3340		33	14
111-91-1	Bis(2-chloroethoxy)methane	2950		330	10
111-44-4	Bis(2-chloroethyl)ether	2870		33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	3410		330	13
85-68-7	Butyl benzyl phthalate	3260		330	10
86-74-8	Carbazole	3180		330	8.2
218-01-9	Chrysene	3250		330	9.0
53-70-3	Dibenz(a,h)anthracene	3430		33	17
132-64-9	Dibenzofuran	3200		330	10
84-66-2	Diethyl phthalate	3310		330	9.4
131-11-3	Dimethyl phthalate	3340		330	9.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385919/2-A

Matrix: Solid | Lab File ID: z41811362.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/22/2016 09:23

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	3350		330	9.9
117-84-0	Di-n-octyl phthalate	3610		330	17
206-44-0	Fluoranthene	3350		330	9.8
86-73-7	Fluorene	3290		330	7.2
118-74-1	Hexachlorobenzene	3400		33	13
87-68-3	Hexachlorobutadiene	3230		67	9.3
77-47-4	Hexachlorocyclopentadiene	2650		330	21
67-72-1	Hexachloroethane	2830		33	12
193-39-5	Indeno[1,2,3-cd]pyrene	3480		33	22
78-59-1	Isophorone	3060		130	7.1
91-20-3	Naphthalene	3070		330	8.4
98-95-3	Nitrobenzene	3120		33	10
621-64-7	N-Nitrosodi-n-propylamine	3070		33	11
86-30-6	N-Nitrosodiphenylamine	3180		330	30
85-01-8	Phenanthrene	3310		330	8.8
129-00-0	Pyrene	3220		330	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	97	*	38-95
4165-60-0	Nitrobenzene-d5 (Surr)	87		37-94
1718-51-0	Terphenyl-d14 (Surr)	94		24-109

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811362.D
Lims ID: LCS 460-385919/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Aug-2016 09:23:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044693-007
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 11:27:14 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: bayoumiw Date: 22-Aug-2016 11:27:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.405	1.405	0.106	98	186944	50.0	26.5	
2 N-Nitrosodimethylamine	74	1.605	1.516	0.089	84	376543	50.0	40.4	
3 Pyridine	79	1.622	1.534	0.088	85	583719	50.0	35.9	
$ 4 2-Fluorophenol	112	2.640	2.610	0.030	96	630537	50.0	39.1	
8 Aniline	93	3.534	3.534	0.000	98	867022	50.0	39.1	
$ 6 Phenol-d5	99	3.546	3.546	0.000	94	761995	50.0	42.4	
7 Phenol	94	3.557	3.563	-0.006	98	782555	50.0	39.8	
9 Bis(2-chloroethyl)ether	93	3.610	3.610	0.000	96	644748	50.0	43.1	
10 Benzonitrile	103	3.634	3.628	0.006	0	419587	NC	NC	
11 2-Chlorophenol	128	3.657	3.657	0.000	96	679968	50.0	41.0	
12 n-Decane	43	3.722	3.728	-0.006	91	744116	50.0	35.7	
13 1,3-Dichlorobenzene	146	3.804	3.804	0.000	96	827063	50.0	42.5	
* 14 1,4-Dichlorobenzene-d4	152	3.857	3.857	0.000	95	509154	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.875	3.881	-0.006	95	843073	50.0	43.2	
16 Benzyl alcohol	108	4.022	4.028	-0.006	95	413213	50.0	48.8	
17 1,2-Dichlorobenzene	146	4.028	4.034	-0.006	96	780651	50.0	43.7	
19 2,2'-oxybis[1-chloropropan	45	4.157	4.163	-0.006	94	877189	50.0	41.5	
18 2-Methylphenol	108	4.163	4.163	0.000	87	560019	50.0	42.5	
20 N-Methylaniline	106	4.275	4.281	-0.006	0	1005864	NC	NC	
22 Acetophenone	105	4.287	4.293	-0.006	94	846172	50.0	46.7	
21 N-Nitrosodi-n-propylamine	70	4.304	4.310	-0.006	90	419193	50.0	46.1	
24 4-Methylphenol	108	4.328	4.334	-0.006	95	553757	50.0	41.4	
23 3 & 4 Methylphenol	108	4.328	4.334	-0.006	97	553757	50.0	41.4	
25 Hexachloroethane	117	4.363	4.369	-0.006	92	301089	50.0	42.4	
$ 26 Nitrobenzene-d5	82	4.434	4.440	-0.006	90	629611	50.0	43.6	
27 Nitrobenzene	77	4.457	4.463	-0.006	91	890335	50.0	46.8	
28 n,n'-Dimethylaniline	120	4.463	4.469	-0.006	94	1147999	50.0	51.2	
31 Isophorone	82	4.710	4.716	-0.006	98	982278	50.0	45.9	
32 2-Nitrophenol	139	4.775	4.781	-0.006	93	347553	50.0	44.0	
33 2,4-Dimethylphenol	122	4.857	4.863	-0.006	92	528048	50.0	43.2	
34 Bis(2-chloroethoxy)methane	93	4.940	4.945	-0.005	99	650332	50.0	44.3	
36 2,4-Dichlorophenol	162	5.040	5.040	0.000	96	518036	50.0	44.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.051	5.063	-0.012	90	285575	50.0	42.2	
37 1,2,4-Trichlorobenzene	180	5.104	5.110	-0.006	94	650227	50.0	47.1	
* 38 Naphthalene-d8	136	5.157	5.151	0.006	99	1623777	40.0	40.0	
39 Naphthalene	128	5.175	5.181	-0.006	100	1874742	50.0	46.0	
40 4-Chloroaniline	127	5.251	5.257	-0.006	98	542942	50.0	36.0	
41 Hexachlorobutadiene	225	5.316	5.322	-0.006	96	396293	50.0	48.4	
43 4-Chloro-3-methylphenol	107	5.775	5.775	0.000	96	427904	50.0	45.6	
44 2-Methylnaphthalene	142	5.875	5.881	-0.006	86	1218380	50.0	47.9	
45 1-Methylnaphthalene	142	5.975	5.975	0.000	93	1129550	50.0	48.4	
46 Hexachlorocyclopentadiene	237	6.045	6.045	0.000	97	360941	50.0	39.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.051	6.057	-0.006	98	608547	50.0	46.4	
48 2-tertbutyl-4-methylphenol	149	6.116	6.122	-0.006	92	846722	50.0	49.0	
49 2,4,6-Trichlorophenol	196	6.181	6.181	0.000	93	347233	50.0	46.2	
50 2,4,5-Trichlorophenol	196	6.216	6.216	0.000	98	347765	50.0	45.2	
$ 51 2-Fluorobiphenyl	172	6.257	6.257	0.000	98	1406778	50.0	48.5	
52 1,1'-Biphenyl	154	6.351	6.351	0.000	96	1459487	50.0	48.1	
53 2-Chloronaphthalene	162	6.363	6.363	0.000	99	1067267	50.0	46.6	
54 Phenyl ether	170	6.457	6.457	0.000	84	785686	50.0	47.9	
55 2-Nitroaniline	65	6.481	6.481	0.000	93	226783	50.0	33.3	
57 1,3-Dimethylnaphthalene	156	6.587	6.587	0.001	93	953798	50.0	49.5	
58 Dimethyl phthalate	163	6.681	6.681	0.000	99	1021944	50.0	50.1	
59 Coumarin	146	6.681	6.681	0.000	66	341367	50.0	56.8	
60 2,6-Dinitrotoluene	165	6.728	6.734	-0.006	94	232127	50.0	48.3	
63 Acenaphthylene	152	6.769	6.769	0.000	97	1546003	50.0	46.9	
64 3-Nitroaniline	138	6.887	6.892	-0.005	96	164886	50.0	34.3	
* 65 Acenaphthene-d10	164	6.910	6.904	0.006	92	722570	40.0	40.0	
67 Acenaphthene	154	6.939	6.945	-0.006	94	984358	50.0	48.5	
66 3,5-di-tert-butyl-4-hydrox	205	6.963	6.963	0.000	97	1175345	50.0	50.8	
68 2,4-Dinitrophenol	184	7.004	7.004	0.000	95	274255	100.0	92.0	
69 4-Nitrophenol	65	7.104	7.104	0.000	87	307752	100.0	104.3	
71 Dibenzofuran	168	7.116	7.116	0.000	96	1411289	50.0	48.1	
70 2,4-Dinitrotoluene	165	7.128	7.128	0.000	96	281482	50.0	50.4	
72 2,3,4,6-Tetrachlorophenol	232	7.251	7.251	0.000	96	265266	50.0	46.6	
73 Diethyl phthalate	149	7.375	7.375	0.000	99	922904	50.0	49.7	
74 Fluorene	166	7.451	7.451	0.000	95	1118761	50.0	49.3	
75 4-Chlorophenyl phenyl ethe	204	7.457	7.463	-0.006	91	565082	50.0	49.5	
76 4-Nitroaniline	138	7.498	7.498	0.000	87	168654	50.0	41.5	
77 4,6-Dinitro-2-methylphenol	198	7.539	7.539	0.000	92	343573	100.0	97.2	
78 N-Nitrosodiphenylamine	169	7.586	7.586	0.000	67	740490	50.0	47.7	
79 1,2-Diphenylhydrazine	77	7.616	7.616	0.000	96	882945	50.0	44.9	
$ 80 2,4,6-Tribromophenol	330	7.692	7.692	0.000	94	163505	50.0	49.9	
81 4-Bromophenyl phenyl ether	248	7.934	7.933	0.001	93	304850	50.0	47.5	
82 Hexachlorobenzene	284	7.998	7.998	0.000	96	325576	50.0	51.0	
84 Pentachlorophenol	266	8.198	8.204	-0.006	94	349275	100.0	90.0	
85 Pentachloronitrobenzene	237	8.210	8.210	0.000	89	124298	50.0	54.2	
86 n-Octadecane	57	8.310	8.310	0.000	93	707329	50.0	46.6	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	937686	40.0	40.0	
88 Phenanthrene	178	8.386	8.386	0.000	97	1291047	50.0	49.6	
89 Anthracene	178	8.439	8.439	0.000	99	1335627	50.0	49.5	
90 Carbazole	167	8.604	8.604	0.000	96	1011297	50.0	47.6	
91 Di-n-butyl phthalate	149	8.975	8.975	0.000	100	1260032	50.0	50.2	
92 Fluoranthene	202	9.551	9.551	0.000	98	1145504	50.0	50.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.692	9.698	-0.006	99	335278	50.0	34.4	
94 Pyrene	202	9.769	9.769	0.000	98	1142640	50.0	48.3	
95 Bisphenol-A	213	9.857	9.851	0.006	99	180556	25.0	20.8	
$ 96 Terphenyl-d14	244	9.939	9.939	0.000	99	809349	50.0	47.0	
97 Butyl benzyl phthalate	149	10.439	10.439	0.000	96	409372	50.0	49.0	
99 Carbamazepine	193	10.533	10.533	0.000	91	322344	50.0	52.1	
100 3,3'-Dichlorobenzidine	252	10.980	10.980	0.000	98	192478	50.0	31.6	
101 Benzo[a]anthracene	228	10.992	10.992	0.000	98	865143	50.0	50.2	
* 102 Chrysene-d12	240	11.004	10.998	0.006	99	586841	40.0	40.0	
103 Chrysene	228	11.033	11.033	0.000	98	791195	50.0	48.7	
104 Bis(2-ethylhexyl) phthalat	149	11.075	11.074	0.000	88	573311	50.0	51.2	
105 Di-n-octyl phthalate	149	11.845	11.851	-0.006	97	878500	50.0	54.2	
106 Benzo[b]fluoranthene	252	12.269	12.268	0.001	98	732412	50.0	53.2	
107 Benzo[k]fluoranthene	252	12.304	12.304	0.000	99	702956	50.0	50.0	
108 Benzo[a]pyrene	252	12.674	12.674	0.000	98	644532	50.0	51.2	
* 109 Perylene-d12	264	12.745	12.745	0.000	99	461201	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.121	14.121	0.000	99	611803	50.0	52.2	
111 Dibenz(a,h)anthracene	278	14.151	14.151	0.000	98	599167	50.0	51.5	
112 Benzo[g,h,i]perylene	276	14.457	14.451	0.006	98	579184	50.0	47.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00118 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Aug-2016 11:27:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811362.D

Injection Date: 22-Aug-2016 09:23:30 Instrument ID: CBNAMS11 Operator ID:

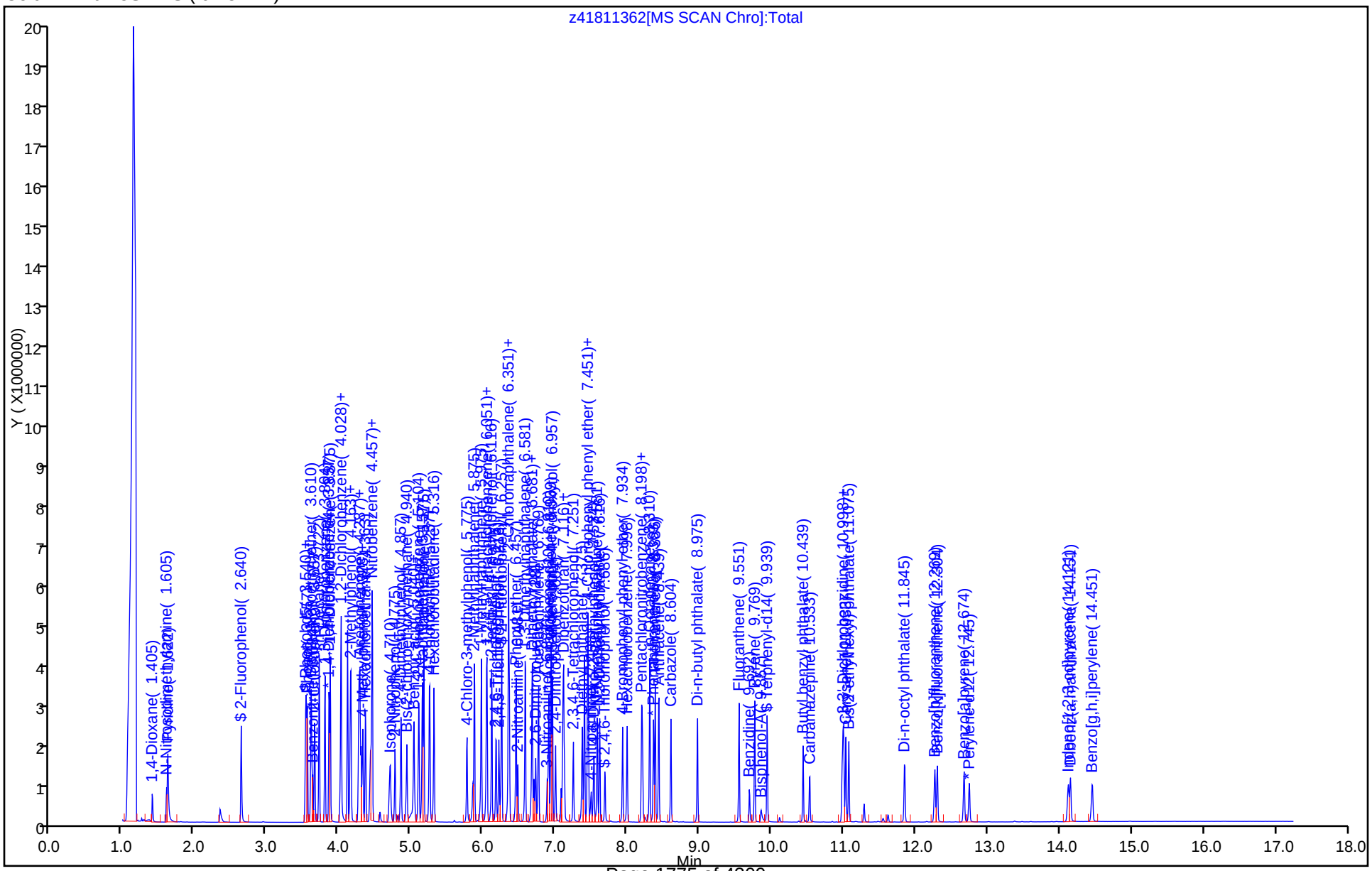
Lims ID: LCS 460-385919/2-A Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270_11R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385924/2-A

Matrix: Water | Lab File ID: M231679.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/20/2016 13:50

Sample wt/vol: 250(mL) | Date Analyzed: 08/24/2016 09:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386455 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	52.3		1.0	0.61
95-50-1	1,2-Dichlorobenzene	53.6		10	0.83
541-73-1	1,3-Dichlorobenzene	45.9		10	1.1
106-46-7	1,4-Dichlorobenzene	48.6		10	0.66
108-60-1	2,2'-oxybis[1-chloropropane]	66.3		10	0.93
121-14-2	2,4-Dinitrotoluene	81.2		2.0	1.0
606-20-2	2,6-Dinitrotoluene	73.1		2.0	0.88
91-58-7	2-Chloronaphthalene	51.6		10	0.61
91-57-6	2-Methylnaphthalene	53.8		10	0.88
88-74-4	2-Nitroaniline	70.1		10	0.65
91-94-1	3,3'-Dichlorobenzidine	80.2		10	1.0
99-09-2	3-Nitroaniline	76.8		10	0.82
101-55-3	4-Bromophenyl phenyl ether	70.7		10	1.0
106-47-8	4-Chloroaniline	75.6		10	0.73
7005-72-3	4-Chlorophenyl phenyl ether	70.1		10	0.96
100-01-6	4-Nitroaniline	71.8		10	0.48
83-32-9	Acenaphthene	55.5		10	0.88
208-96-8	Acenaphthylene	60.9		10	0.65
120-12-7	Anthracene	78.1		10	0.57
56-55-3	Benzo[a]anthracene	84.9		1.0	0.55
50-32-8	Benzo[a]pyrene	79.4		1.0	0.16
205-99-2	Benzo[b]fluoranthene	76.4		1.0	0.44
191-24-2	Benzo[g,h,i]perylene	77.2		10	0.75
207-08-9	Benzo[k]fluoranthene	80.6		1.0	0.18
111-91-1	Bis(2-chloroethoxy)methane	75.1		10	0.69
111-44-4	Bis(2-chloroethyl)ether	61.6		1.0	0.12
117-81-7	Bis(2-ethylhexyl) phthalate	81.4		2.0	0.72
85-68-7	Butyl benzyl phthalate	87.1		10	0.60
86-74-8	Carbazole	83.1		10	0.85
218-01-9	Chrysene	83.1		2.0	0.67
53-70-3	Dibenz(a,h)anthracene	90.6		1.0	0.090
132-64-9	Dibenzofuran	63.3		10	0.85
84-66-2	Diethyl phthalate	77.7		10	1.0
131-11-3	Dimethyl phthalate	78.5		10	0.98

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-385924/2-A

Matrix: Water | Lab File ID: M231679.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/20/2016 13:50

Sample wt/vol: 250(mL) | Date Analyzed: 08/24/2016 09:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386455 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	84.0		10	0.82
117-84-0	Di-n-octyl phthalate	83.5		10	0.69
206-44-0	Fluoranthene	87.9		10	0.72
86-73-7	Fluorene	70.2		10	0.80
118-74-1	Hexachlorobenzene	78.3		1.0	0.47
87-68-3	Hexachlorobutadiene	48.3		1.0	0.76
77-47-4	Hexachlorocyclopentadiene	34.7		10	0.61
67-72-1	Hexachloroethane	56.6		1.0	0.090
193-39-5	Indeno[1,2,3-cd]pyrene	82.8		1.0	0.21
78-59-1	Isophorone	76.8		10	0.67
91-20-3	Naphthalene	53.2		10	0.80
98-95-3	Nitrobenzene	74.8		1.0	0.49
621-64-7	N-Nitrosodi-n-propylamine	82.8		1.0	0.83
86-30-6	N-Nitrosodiphenylamine	76.5		10	0.74
85-01-8	Phenanthrene	79.1		10	0.65
129-00-0	Pyrene	78.0		10	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	77		45-107
4165-60-0	Nitrobenzene-d5 (Surr)	87		51-108
1718-51-0	Terphenyl-d14 (Surr)	92		40-148

Report Date: 24-Aug-2016 12:42:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231679.D
Lims ID: LCS 460-385924/2-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Aug-2016 09:49:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044785-008
Operator ID: Instrument ID: CBNAMS6

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 12:42:05 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: bayoumiw Date: 24-Aug-2016 12:42:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.140	1.132	0.008	82	72548	10.0	4.44	
2 N-Nitrosodimethylamine	74	1.342	1.334	0.008	55	144112	10.0	5.19	
3 Pyridine	79	1.358	1.350	0.008	75	198525	10.0	5.34	
$ 4 2-Fluorophenol	112	2.440	2.427	0.013	77	144353	10.0	4.84	
8 Aniline	93	3.302	3.309	-0.007	87	454608	10.0	9.25	
$ 6 Phenol-d5	99	3.366	3.366	0.000	70	171621	10.0	3.37	
7 Phenol	94	3.383	3.374	0.009	64	176281	10.0	3.51	
9 Bis(2-chloroethyl)ether	93	3.375	3.374	0.001	82	360366	10.0	7.70	
10 Benzonitrile	103	3.375	3.382	-0.007	83	662634	NC	NC	
11 2-Chlorophenol	128	3.447	3.447	0.000	74	264263	10.0	7.96	
12 n-Decane	43	3.479	3.479	0.000	84	258379	10.0	5.45	
13 1,3-Dichlorobenzene	146	3.568	3.568	0.000	85	265853	10.0	5.74	
* 14 1,4-Dichlorobenzene-d4	152	3.625	3.625	0.000	91	271796	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.641	3.642	-0.001	82	291277	10.0	6.07	
18 1,2-Dichlorobenzene	146	3.795	3.796	-0.001	87	301457	10.0	6.69	
17 Benzyl alcohol	108	3.812	3.813	-0.001	76	139298	10.0	7.51	
20 2,2'-oxybis[1-chloropropan	45	3.933	3.933	0.000	72	474658	10.0	8.29	
19 2-Methylphenol	108	3.980	3.981	-0.001	58	200494	10.0	7.07	
23 N-Methylaniline	106	4.053	4.054	-0.001	72	620782	NC	NC	
24 Acetophenone	105	4.061	4.063	-0.002	87	665173	10.0	10.2	
25 N-Nitrosodi-n-propylamine	70	4.077	4.087	-0.010	94	426694	10.0	10.4	
27 Hexachloroethane	117	4.134	4.136	-0.002	86	160303	10.0	7.08	
26 3 & 4 Methylphenol	108	4.142	4.152	-0.010	73	228013	10.0	7.44	
21 4-Methylphenol	108	4.142	4.152	-0.010	85	225819	10.0	7.40	
$ 28 Nitrobenzene-d5	82	4.206	4.209	-0.003	96	661080	10.0	8.73	
29 Nitrobenzene	77	4.230	4.233	-0.003	79	895662	10.0	9.35	
30 n,n'-Dimethylaniline	120	4.230	4.233	-0.003	70	566564	10.0	8.80	
31 Isophorone	82	4.481	4.483	-0.002	93	1068965	10.0	9.60	
32 2-Nitrophenol	139	4.554	4.557	-0.003	55	227458	10.0	9.07	
33 2,4-Dimethylphenol	122	4.668	4.671	-0.003	75	297177	10.0	9.29	
34 Bis(2-chloroethoxy)methane	93	4.716	4.728	-0.012	86	430275	10.0	9.39	
36 2,4-Dichlorophenol	162	4.837	4.842	-0.005	85	400707	10.0	8.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 1,2,4-Trichlorobenzene	180	4.878	4.882	-0.004	91	334847	10.0	6.54	
* 38 Naphthalene-d8	136	4.927	4.924	0.003	97	932349	8.00	8.00	
39 Naphthalene	128	4.951	4.947	0.004	95	675204	10.0	6.65	
40 4-Chloroaniline	127	5.039	5.045	-0.006	87	452952	10.0	9.45	
41 Hexachlorobutadiene	225	5.088	5.093	-0.005	93	255162	10.0	6.04	
44 4-Chloro-3-methylphenol	107	5.590	5.596	-0.006	85	385998	10.0	9.61	
45 2-Methylnaphthalene	142	5.647	5.653	-0.006	77	503070	10.0	6.73	
46 1-Methylnaphthalene	142	5.745	5.743	0.002	84	473225	10.0	7.03	
47 Hexachlorocyclopentadiene	237	5.818	5.816	0.002	94	237079	10.0	4.34	
48 1,2,4,5-Tetrachlorobenzene	216	5.818	5.824	-0.006	94	460073	10.0	6.05	
49 2-tertbutyl-4-methylphenol	149	5.916	5.921	-0.005	84	731270	10.0	11.5	
50 2,4,6-Trichlorophenol	196	5.965	5.970	-0.005	82	350214	10.0	8.61	
51 2,4,5-Trichlorophenol	196	6.022	6.027	-0.005	90	371523	10.0	8.71	
$ 52 2-Fluorobiphenyl	172	6.030	6.035	-0.005	95	965887	10.0	7.66	
53 1,1'-Biphenyl	154	6.119	6.125	-0.006	96	803031	10.0	6.84	
54 2-Chloronaphthalene	162	6.128	6.133	-0.005	94	659499	10.0	6.45	
55 Phenyl ether	170	6.231	6.231	0.000	89	503376	10.0	7.72	
57 2-Nitroaniline	65	6.264	6.272	-0.008	81	365005	10.0	8.76	
58 1,3-Dimethylnaphthalene	156	6.354	6.354	0.000	87	530311	10.0	7.30	
60 Coumarin	146	6.451	6.460	-0.009	74	326021	10.0	12.1	
59 Dimethyl phthalate	163	6.460	6.468	-0.008	94	1125826	10.0	9.81	
61 2,6-Dinitrotoluene	165	6.509	6.517	-0.008	76	247982	10.0	9.14	
62 Acenaphthylene	152	6.533	6.542	-0.009	97	952547	10.0	7.61	
* 64 Acenaphthene-d10	164	6.680	6.677	0.003	91	674836	8.00	8.00	
63 3-Nitroaniline	138	6.680	6.679	0.001	70	237258	10.0	9.60	
66 Acenaphthene	154	6.713	6.710	0.003	93	593508	10.0	6.94	
65 3,5-di-tert-butyl-4-hydrox	205	6.737	6.735	0.002	97	769506	10.0	7.83	
67 2,4-Dinitrophenol	184	6.778	6.784	-0.006	75	134479	20.0	7.45	
71 Dibenzofuran	168	6.884	6.882	0.002	91	982608	10.0	7.92	
70 2,4-Dinitrotoluene	165	6.900	6.906	-0.006	78	331844	10.0	10.2	
69 4-Nitrophenol	65	6.957	6.947	0.010	81	184993	20.0	6.41	
72 2,3,4,6-Tetrachlorophenol	232	7.030	7.037	-0.007	93	375809	10.0	9.53	
73 Diethyl phthalate	149	7.151	7.160	-0.009	95	1144444	10.0	9.72	
75 Fluorene	166	7.217	7.217	0.000	95	868453	10.0	8.77	
74 4-Chlorophenyl phenyl ethe	204	7.233	7.232	0.001	88	520732	10.0	8.76	
76 4-Nitroaniline	138	7.297	7.297	0.000	80	184121	10.0	8.97	
77 4,6-Dinitro-2-methylphenol	198	7.305	7.313	-0.008	81	444980	20.0	17.8	
78 N-Nitrosodiphenylamine	169	7.362	7.361	0.001	69	624957	10.0	9.56	
79 1,2-Diphenylhydrazine	77	7.387	7.385	0.002	91	1186447	10.0	9.54	
$ 80 2,4,6-Tribromophenol	330	7.469	7.466	0.003	93	361472	10.0	9.62	
81 4-Bromophenyl phenyl ether	248	7.704	7.707	-0.003	87	393608	10.0	8.84	
82 Hexachlorobenzene	284	7.753	7.756	-0.003	94	562276	10.0	9.79	
85 Pentachloronitrobenzene	237	7.971	7.973	-0.002	88	251942	10.0	10.9	
84 Pentachlorophenol	266	7.979	7.981	-0.002	91	625326	20.0	21.5	
86 n-Octadecane	57	8.074	8.076	-0.002	89	622343	10.0	10.4	
* 87 Phenanthrene-d10	188	8.123	8.121	0.002	96	1015144	8.00	8.00	
88 Phenanthrene	178	8.148	8.150	-0.002	97	1170765	10.0	9.89	
89 Anthracene	178	8.197	8.199	-0.002	97	1201138	10.0	9.76	
90 Carbazole	167	8.382	8.383	-0.001	98	1071829	10.0	10.4	
91 Di-n-butyl phthalate	149	8.740	8.739	0.001	98	1589357	10.0	10.5	
92 Fluoranthene	202	9.307	9.306	0.001	98	1461220	10.0	11.0	
93 Benzidine	184	9.462	9.467	-0.005	96	382184	10.0	5.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Pyrene	202	9.519	9.524	-0.005	97	1399590	10.0	9.75	
95 Bisphenol-A	213	9.641	9.638	0.003	0	262477	5.00	4.28	
$ 96 Terphenyl-d14	244	9.696	9.694	0.002	98	1270024	10.0	9.16	
97 Butyl benzyl phthalate	149	10.190	10.197	-0.007	97	731061	10.0	10.9	
99 Carbamazepine	193	10.287	10.295	-0.008	86	552656	10.0	11.6	
100 3,3'-Dichlorobenzidine	252	10.723	10.724	-0.001	80	610958	10.0	10.0	
101 Benzo[a]anthracene	228	10.723	10.724	-0.001	95	1464606	10.0	10.6	
* 102 Chrysene-d12	240	10.738	10.731	0.007	97	1053390	8.00	8.00	
104 Chrysene	228	10.761	10.770	-0.009	99	1307404	10.0	10.4	
103 Bis(2-ethylhexyl) phthalat	149	10.810	10.819	-0.009	88	885974	10.0	10.2	
105 Di-n-octyl phthalate	149	11.572	11.579	-0.007	96	1452155	10.0	10.4	
106 Benzo[b]fluoranthene	252	11.969	11.975	-0.006	95	1304560	10.0	9.55	
107 Benzo[k]fluoranthene	252	12.010	12.007	0.003	94	1359827	10.0	10.1	
108 Benzo[a]pyrene	252	12.367	12.373	-0.005	96	1244312	10.0	9.93	
* 109 Perylene-d12	264	12.440	12.438	0.002	97	977800	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.788	13.792	-0.004	94	1273171	10.0	10.4	
111 Dibenz(a,h)anthracene	278	13.821	13.825	-0.005	97	1303246	10.0	11.3	
112 Benzo[g,h,i]perylene	276	14.119	14.117	0.002	93	1257281	10.0	9.66	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00114 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 12:42:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160824-44785.b\M231679.D

Injection Date: 24-Aug-2016 09:49:30 Instrument ID: CBNAMS6 Operator ID:

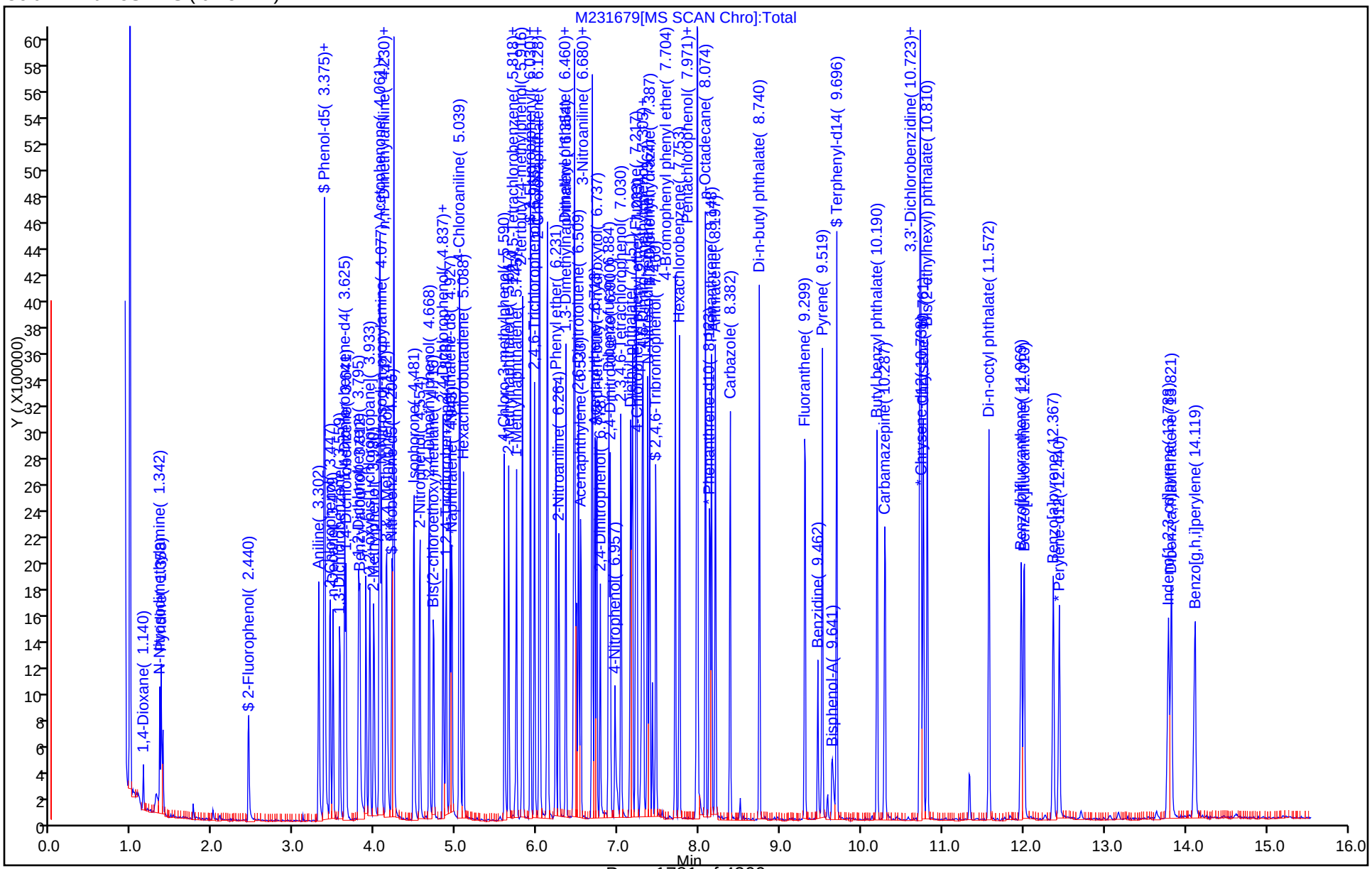
Lims ID: LCS 460-385924/2-A Worklist Smp#: 8

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270LVI_R6 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386078/2-A

Matrix: Solid | Lab File ID: x17353.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 09:59

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	2990		33	7.3
95-50-1	1,2-Dichlorobenzene	2870		330	11
541-73-1	1,3-Dichlorobenzene	2780		330	26
106-46-7	1,4-Dichlorobenzene	2810		330	26
108-60-1	2,2'-oxybis[1-chloropropane]	2710		330	14
121-14-2	2,4-Dinitrotoluene	3370		67	13
606-20-2	2,6-Dinitrotoluene	3320		67	18
91-58-7	2-Chloronaphthalene	3070		330	7.5
91-57-6	2-Methylnaphthalene	3000		330	7.3
88-74-4	2-Nitroaniline	2810		330	11
91-94-1	3,3'-Dichlorobenzidine	1980		130	37
99-09-2	3-Nitroaniline	1670		330	9.8
101-55-3	4-Bromophenyl phenyl ether	3220		330	10
106-47-8	4-Chloroaniline	1410		330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	3100		330	9.9
100-01-6	4-Nitroaniline	2880		330	13
83-32-9	Acenaphthene	2920		330	8.0
208-96-8	Acenaphthylene	3090		330	8.5
120-12-7	Anthracene	3170		330	31
56-55-3	Benzo[a]anthracene	3280		33	28
50-32-8	Benzo[a]pyrene	3570		33	10
205-99-2	Benzo[b]fluoranthene	3560		33	13
191-24-2	Benzo[g,h,i]perylene	3550		330	19
207-08-9	Benzo[k]fluoranthene	3200		33	14
111-91-1	Bis(2-chloroethoxy)methane	2970		330	10
111-44-4	Bis(2-chloroethyl)ether	3050		33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	3280		330	13
85-68-7	Butyl benzyl phthalate	3210		330	10
86-74-8	Carbazole	3170		330	8.2
218-01-9	Chrysene	3260		330	9.0
53-70-3	Dibenz(a,h)anthracene	3270		33	17
132-64-9	Dibenzofuran	3070		330	10
84-66-2	Diethyl phthalate	3110		330	9.4
131-11-3	Dimethyl phthalate	3150		330	9.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386078/2-A

Matrix: Solid | Lab File ID: x17353.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 09:59

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	3190		330	9.9
117-84-0	Di-n-octyl phthalate	3360		330	17
206-44-0	Fluoranthene	3200		330	9.8
86-73-7	Fluorene	3050		330	7.2
118-74-1	Hexachlorobenzene	3550		33	13
87-68-3	Hexachlorobutadiene	3010		67	9.3
77-47-4	Hexachlorocyclopentadiene	3130		330	21
67-72-1	Hexachloroethane	2710		33	12
193-39-5	Indeno[1,2,3-cd]pyrene	3290		33	22
78-59-1	Isophorone	2960		130	7.1
91-20-3	Naphthalene	2950		330	8.4
98-95-3	Nitrobenzene	2820		33	10
621-64-7	N-Nitrosodi-n-propylamine	2970		33	11
86-30-6	N-Nitrosodiphenylamine	3210		330	30
85-01-8	Phenanthrene	3180		330	8.8
129-00-0	Pyrene	3240		330	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	95		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	86		37-94
1718-51-0	Terphenyl-d14 (Surr)	97		24-109

Report Date: 24-Aug-2016 13:30:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17353.D
Lims ID: LCS 460-386078/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 09:59:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-005
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 13:30:31 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: nimerd Date: 23-Aug-2016 10:29:53

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.981	1.881	0.100	91	215372	50.0	25.6	
	2 N-Nitrosodimethylamine	74	2.199	2.122	0.077	90	464704	50.0	40.7	
	3 Pyridine	79	2.228	2.146	0.082	97	688120	50.0	34.1	
$	4 2-Fluorophenol	112	3.310	3.287	0.023	97	787951	50.0	42.7	
$	6 Phenol-d5	99	4.204	4.210	-0.006	96	953767	50.0	45.8	
	7 Phenol	94	4.216	4.228	-0.012	99	939509	50.0	44.2	
	8 Aniline	93	4.240	4.245	-0.005	99	894990	50.0	32.9	
	9 Bis(2-chloroethyl)ether	93	4.304	4.310	-0.006	99	778793	50.0	45.7	
	10 Benzonitrile	103	4.334	4.345	-0.011	66	1578723	NC	NC	
	11 2-Chlorophenol	128	4.363	4.369	-0.006	97	789363	50.0	42.9	
	12 n-Decane	43	4.410	4.416	-0.006	88	670979	50.0	33.5	
	13 1,3-Dichlorobenzene	146	4.516	4.522	-0.006	96	880299	50.0	41.8	
*	14 1,4-Dichlorobenzene-d4	152	4.569	4.575	-0.006	96	540642	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.587	4.592	-0.005	95	889734	50.0	42.2	
	16 Benzyl alcohol	108	4.704	4.716	-0.012	94	489047	50.0	51.8	
	17 1,2-Dichlorobenzene	146	4.740	4.745	-0.005	96	843630	50.0	43.1	
	18 2-Methylphenol	108	4.816	4.822	-0.006	92	668520	50.0	44.1	
	19 2,2'-oxybis[1-chloropropan	45	4.840	4.845	-0.005	90	836351	50.0	40.6	
	22 N-Nitrosodi-n-propylamine	70	4.981	4.987	-0.006	87	518089	50.0	44.5	
	23 3 & 4 Methylphenol	108	4.975	4.987	-0.012	79	725895	50.0	44.5	
	24 4-Methylphenol	108	4.975	4.987	-0.012	80	725895	50.0	44.5	
	21 Acetophenone	105	4.975	4.987	-0.012	95	953716	50.0	44.7	
	20 N-Methylaniline	106	4.963	5.016	-0.053	88	1168230	NC	NC	
	25 Hexachloroethane	117	5.081	5.087	-0.006	93	314417	50.0	40.7	
$	26 Nitrobenzene-d5	82	5.128	5.134	-0.006	86	823272	50.0	42.9	
	28 Nitrobenzene	77	5.145	5.157	-0.012	97	1067340	50.0	42.3	
	27 n,n'-Dimethylaniline	120	5.151	5.157	-0.006	91	1241337	50.0	48.4	
	31 Isophorone	82	5.392	5.398	-0.006	99	1337993	50.0	44.5	
	32 2-Nitrophenol	139	5.463	5.469	-0.006	95	425292	50.0	45.3	
	33 2,4-Dimethylphenol	122	5.504	5.516	-0.012	92	653694	50.0	46.0	
	34 Bis(2-chloroethoxy)methane	93	5.598	5.604	-0.006	98	830966	50.0	44.6	
	35 Benzoic acid	122	5.651	5.675	-0.024	88	415996	50.0	45.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.710	5.716	-0.006	97	609628	50.0	46.1	
37 1,2,4-Trichlorobenzene	180	5.792	5.798	-0.006	94	721689	50.0	44.9	
* 38 Naphthalene-d8	136	5.851	5.857	-0.006	99	1854176	40.0	40.0	
39 Naphthalene	128	5.869	5.875	-0.006	100	2146762	50.0	44.2	
40 4-Chloroaniline	127	5.922	5.934	-0.012	97	407819	50.0	21.1	
41 Hexachlorobutadiene	225	5.998	6.004	-0.006	98	420325	50.0	45.1	
43 4-Chloro-3-methylphenol	107	6.410	6.410	0.000	96	543085	50.0	46.1	
44 2-Methylnaphthalene	142	6.563	6.569	-0.006	91	1370912	50.0	45.0	
45 1-Methylnaphthalene	142	6.663	6.669	-0.006	94	1277943	50.0	45.6	
46 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	98	439298	50.0	46.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.739	6.739	0.000	99	661771	50.0	45.5	
48 2-tertbutyl-4-methylphenol	149	6.763	6.763	0.000	93	970232	50.0	46.6	
49 2,4,6-Trichlorophenol	196	6.845	6.851	-0.006	93	430964	50.0	47.7	
50 2,4,5-Trichlorophenol	196	6.881	6.886	-0.005	99	395618	50.0	45.0	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1596671	50.0	47.4	
52 1,1'-Biphenyl	154	7.028	7.034	-0.006	95	1594209	50.0	46.5	
53 2-Chloronaphthalene	162	7.051	7.057	-0.006	98	1230938	50.0	46.0	
54 Phenyl ether	170	7.134	7.134	0.000	85	916512	50.0	47.8	
56 2-Nitroaniline	65	7.151	7.157	-0.006	96	378522	50.0	42.1	
57 1,3-Dimethylnaphthalene	156	7.269	7.269	0.000	92	1068607	50.0	47.3	
58 Dimethyl phthalate	163	7.334	7.339	-0.005	99	1209466	50.0	47.3	
59 Coumarin	146	7.363	7.363	0.000	78	417396	50.0	50.5	
60 2,6-Dinitrotoluene	165	7.392	7.398	-0.006	95	289880	50.0	49.8	
61 Acenaphthylene	152	7.463	7.469	-0.006	98	1779139	50.0	46.4	
64 3-Nitroaniline	138	7.557	7.563	-0.006	98	155399	50.0	25.0	
* 65 Acenaphthene-d10	164	7.604	7.610	-0.006	93	877476	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.622	7.622	0.000	96	1329438	50.0	48.8	
67 Acenaphthene	154	7.639	7.639	0.000	95	1121400	50.0	43.8	
68 2,4-Dinitrophenol	184	7.663	7.669	-0.006	93	367006	100.0	96.1	
69 4-Nitrophenol	65	7.728	7.728	0.000	91	365657	100.0	89.3	
70 2,4-Dinitrotoluene	165	7.792	7.792	0.000	97	349733	50.0	50.6	
71 Dibenzofuran	168	7.810	7.810	0.000	96	1635048	50.0	46.1	
72 2,3,4,6-Tetrachlorophenol	232	7.928	7.933	-0.005	96	330355	50.0	46.3	
73 Diethyl phthalate	149	8.033	8.033	0.000	99	1081915	50.0	46.7	
74 4-Chlorophenyl phenyl ethe	204	8.139	8.145	-0.006	91	643177	50.0	46.5	
75 Fluorene	166	8.145	8.151	-0.006	96	1240467	50.0	45.8	
76 4-Nitroaniline	138	8.169	8.175	-0.006	89	229108	50.0	43.2	
77 4,6-Dinitro-2-methylphenol	198	8.198	8.204	-0.006	93	435425	100.0	98.2	
78 N-Nitrosodiphenylamine	169	8.257	8.263	-0.006	65	887928	50.0	48.1	
79 1,2-Diphenylhydrazine	77	8.298	8.304	-0.006	95	1188759	50.0	44.7	
$ 80 2,4,6-Tribromophenol	330	8.386	8.386	0.000	91	246564	50.0	52.9	
81 4-Bromophenyl phenyl ether	248	8.622	8.628	-0.006	96	396561	50.0	48.3	
83 Hexachlorobenzene	284	8.698	8.698	0.000	94	435591	50.0	53.2	
85 Pentachlorophenol	266	8.886	8.892	-0.006	96	495908	100.0	100.2	
86 Pentachloronitrobenzene	237	8.904	8.904	0.000	92	137357	50.0	48.7	
87 n-Octadecane	57	8.957	8.957	0.000	92	729302	50.0	47.1	
* 88 Phenanthrene-d10	188	9.075	9.075	0.000	98	1134347	40.0	40.0	
89 Phenanthrene	178	9.098	9.098	0.000	97	1525935	50.0	47.7	
90 Anthracene	178	9.145	9.151	-0.006	99	1564511	50.0	47.6	
91 Carbazole	167	9.298	9.298	0.000	96	1244679	50.0	47.5	
92 Di-n-butyl phthalate	149	9.633	9.633	0.000	100	1446563	50.0	47.8	
93 Fluoranthene	202	10.269	10.269	0.000	98	1323814	50.0	48.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Benzidine	184	10.392	10.398	-0.006	99	242909	50.0	21.8	
95 Pyrene	202	10.504	10.504	0.000	97	1294151	50.0	48.6	
82 Bisphenol-A	213	10.545	10.545	0.000	99	198575	25.0	37.0	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	100	985751	50.0	48.4	
97 Butyl benzyl phthalate	149	11.198	11.198	0.000	97	447248	50.0	48.2	
99 Carbamazepine	193	11.333	11.339	-0.006	92	343655	50.0	55.0	
100 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	98	182863	50.0	29.7	
101 Benzo[a]anthracene	228	11.886	11.892	-0.006	98	930335	50.0	49.3	
* 102 Chrysene-d12	240	11.904	11.904	0.000	99	669721	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	89	619726	50.0	49.2	
103 Chrysene	228	11.933	11.939	-0.006	99	879236	50.0	48.9	
105 Di-n-octyl phthalate	149	12.804	12.804	0.000	97	877235	50.0	50.4	
106 Benzo[b]fluoranthene	252	13.345	13.345	0.000	99	736362	50.0	53.4	
107 Benzo[k]fluoranthene	252	13.380	13.386	-0.006	99	746950	50.0	48.0	
108 Benzo[a]pyrene	252	13.804	13.804	0.000	98	662036	50.0	53.5	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	493897	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.509	15.515	-0.006	98	561870	50.0	49.4	
111 Dibenz(a,h)anthracene	278	15.545	15.551	-0.006	98	579331	50.0	49.0	
112 Benzo[g,h,i]perylene	276	15.974	15.980	-0.006	98	577593	50.0	53.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 13:30:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17353.D

Injection Date: 23-Aug-2016 09:59:30 Instrument ID: CBNAMS5 Operator ID:

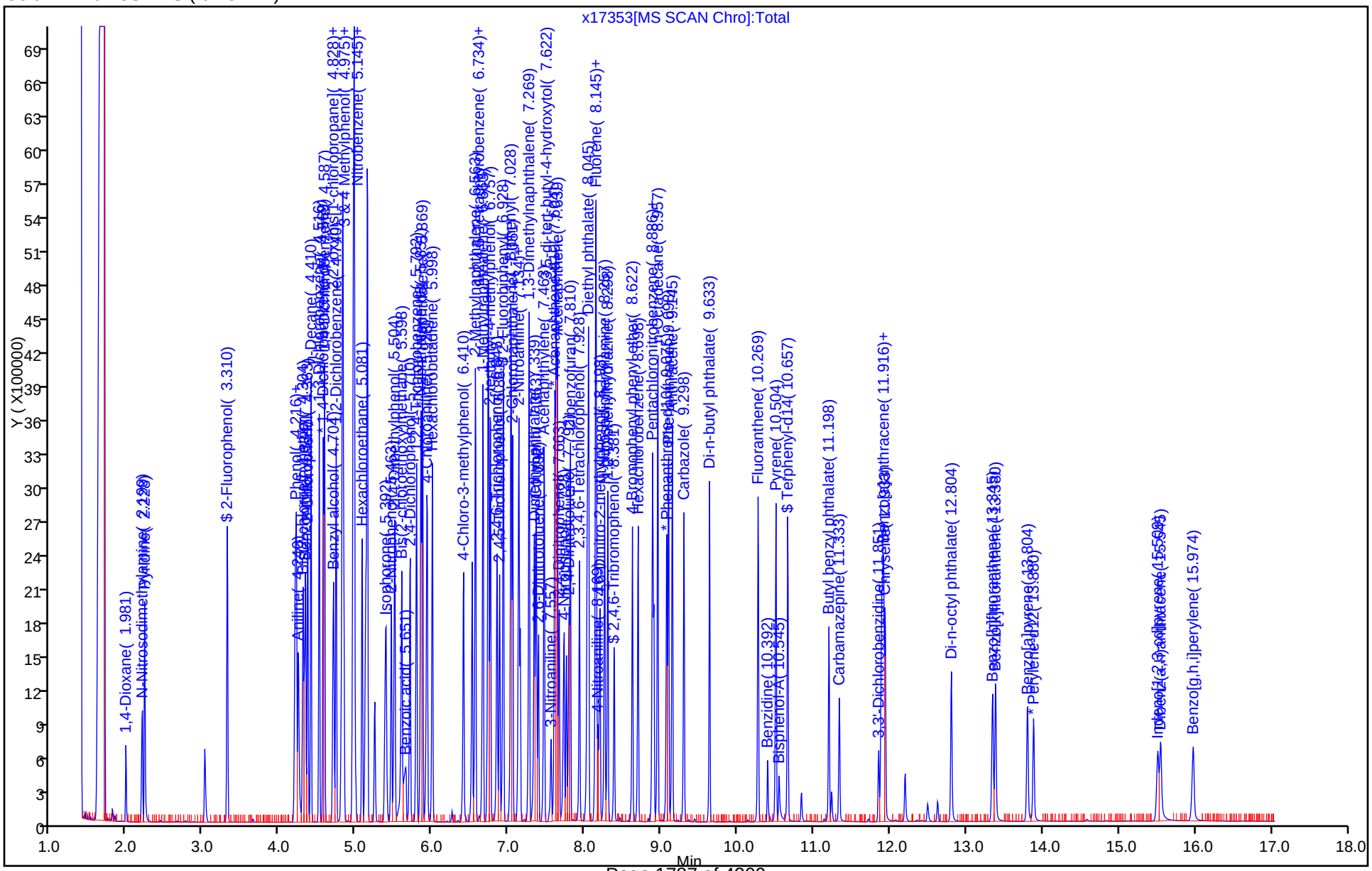
Lims ID: LCS 460-386078/2-A Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386078/3-A

Matrix: Solid | Lab File ID: x17354.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 10:22

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	81		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	76		37-94
1718-51-0	Terphenyl-d14 (Surr)	84		24-109

Report Date: 24-Aug-2016 13:30:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17354.D
Lims ID: LCS 460-386078/3-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 10:22:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-006
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 13:30:31 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: nimerd Date: 23-Aug-2016 10:47:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.310	3.287	0.023	97	764876	50.0	37.7	
5 Benzaldehyde	77	4.140	4.134	0.006	96	1177839	100.0	68.1	
$ 6 Phenol-d5	99	4.187	4.210	-0.023	86	913825	50.0	40.0	
* 14 1,4-Dichlorobenzene-d4	152	4.563	4.575	-0.012	96	593697	40.0	40.0	
$ 26 Nitrobenzene-d5	82	5.116	5.134	-0.018	86	830194	50.0	38.0	
* 38 Naphthalene-d8	136	5.845	5.857	-0.012	99	2108151	40.0	40.0	
42 Caprolactam	113	6.275	6.263	0.012	93	419782	100.0	96.4	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1689393	50.0	40.6	
* 65 Acenaphthene-d10	164	7.598	7.610	-0.012	93	1084900	40.0	40.0	
$ 80 2,4,6-Tribromophenol	330	8.380	8.386	-0.006	91	264195	50.0	45.8	
84 Atrazine	200	8.786	8.781	0.006	95	671890	100.0	88.0	
* 88 Phenanthrene-d10	188	9.069	9.075	-0.006	98	1533796	40.0	40.0	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	100	1176650	50.0	42.2	
* 102 Chrysene-d12	240	11.898	11.904	-0.006	99	916677	40.0	40.0	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	665178	40.0	40.0	

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

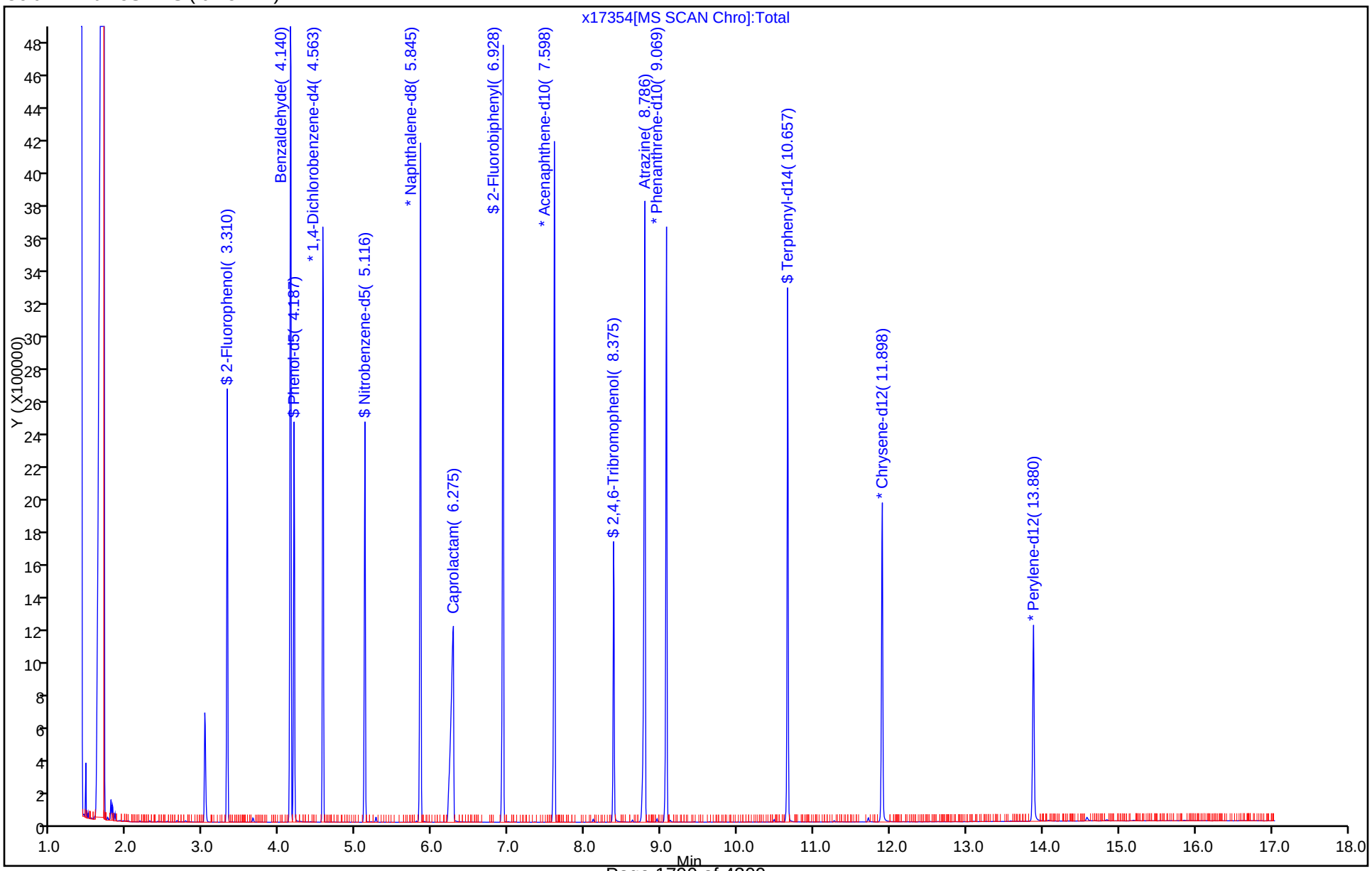
Report Date: 24-Aug-2016 13:30:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17354.D

Injection Date:	23-Aug-2016 10:22:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	LCS 460-386078/3-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-385924/3-A

Matrix: Water | Lab File ID: M231660.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/20/2016 13:50

Sample wt/vol: 250(mL) | Date Analyzed: 08/24/2016 02:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386360 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	46.3		1.0	0.61
95-50-1	1,2-Dichlorobenzene	47.7		10	0.83
541-73-1	1,3-Dichlorobenzene	45.3		10	1.1
106-46-7	1,4-Dichlorobenzene	44.7		10	0.66
108-60-1	2,2'-oxybis[1-chloropropane]	64.3		10	0.93
121-14-2	2,4-Dinitrotoluene	87.0		2.0	1.0
606-20-2	2,6-Dinitrotoluene	71.3		2.0	0.88
91-58-7	2-Chloronaphthalene	54.8		10	0.61
91-57-6	2-Methylnaphthalene	54.3		10	0.88
88-74-4	2-Nitroaniline	69.1		10	0.65
91-94-1	3,3'-Dichlorobenzidine	84.9		10	1.0
99-09-2	3-Nitroaniline	74.3		10	0.82
101-55-3	4-Bromophenyl phenyl ether	77.5		10	1.0
106-47-8	4-Chloroaniline	70.3		10	0.73
7005-72-3	4-Chlorophenyl phenyl ether	71.3		10	0.96
100-01-6	4-Nitroaniline	68.6		10	0.48
83-32-9	Acenaphthene	61.7		10	0.88
208-96-8	Acenaphthylene	62.4		10	0.65
120-12-7	Anthracene	80.0		10	0.57
56-55-3	Benzo[a]anthracene	83.1		1.0	0.55
50-32-8	Benzo[a]pyrene	74.2		1.0	0.16
205-99-2	Benzo[b]fluoranthene	73.6		1.0	0.44
191-24-2	Benzo[g,h,i]perylene	76.1		10	0.75
207-08-9	Benzo[k]fluoranthene	77.3		1.0	0.18
111-91-1	Bis(2-chloroethoxy)methane	75.7		10	0.69
111-44-4	Bis(2-chloroethyl)ether	61.7		1.0	0.12
117-81-7	Bis(2-ethylhexyl) phthalate	82.4		2.0	0.72
85-68-7	Butyl benzyl phthalate	84.0		10	0.60
86-74-8	Carbazole	86.1		10	0.85
218-01-9	Chrysene	80.9		2.0	0.67
53-70-3	Dibenz(a,h)anthracene	87.6		1.0	0.090
132-64-9	Dibenzofuran	65.1		10	0.85
84-66-2	Diethyl phthalate	72.5		10	1.0
131-11-3	Dimethyl phthalate	78.8		10	0.98

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-385924/3-A

Matrix: Water | Lab File ID: M231660.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/20/2016 13:50

Sample wt/vol: 250(mL) | Date Analyzed: 08/24/2016 02:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386360 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	83.4		10	0.82
117-84-0	Di-n-octyl phthalate	78.1		10	0.69
206-44-0	Fluoranthene	84.4		10	0.72
86-73-7	Fluorene	71.9		10	0.80
118-74-1	Hexachlorobenzene	76.0		1.0	0.47
87-68-3	Hexachlorobutadiene	43.2		1.0	0.76
77-47-4	Hexachlorocyclopentadiene	34.0		10	0.61
67-72-1	Hexachloroethane	44.5		1.0	0.090
193-39-5	Indeno[1,2,3-cd]pyrene	81.5		1.0	0.21
78-59-1	Isophorone	73.1		10	0.67
91-20-3	Naphthalene	52.7		10	0.80
98-95-3	Nitrobenzene	74.8		1.0	0.49
621-64-7	N-Nitrosodi-n-propylamine	79.2		1.0	0.83
86-30-6	N-Nitrosodiphenylamine	76.4		10	0.74
85-01-8	Phenanthrene	78.9		10	0.65
129-00-0	Pyrene	82.3		10	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	81		45-107
4165-60-0	Nitrobenzene-d5 (Surr)	84		51-108
1718-51-0	Terphenyl-d14 (Surr)	91		40-148

Report Date: 24-Aug-2016 12:26:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231660.D
Lims ID: LCSD 460-385924/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 24-Aug-2016 02:39:30 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044773-025
Operator ID: Instrument ID: CBNAMS6

Method: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\8270LVI_R6.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 12:26:40 Calib Date: 23-Aug-2016 12:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44755.b\M231620.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: croccom Date: 24-Aug-2016 09:27:35

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.163	1.172	-0.009	87	104612	10.0	4.94	
	2 N-Nitrosodimethylamine	74	1.366	1.380	-0.014	52	187793	10.0	5.22	
	3 Pyridine	79	1.390	1.389	0.001	77	237880	10.0	4.93	
$	4 2-Fluorophenol	112	2.465	2.460	0.005	69	174375	10.0	4.51	
	8 Aniline	93	3.330	3.342	-0.012	85	525237	10.0	8.24	
$	6 Phenol-d5	99	3.395	3.399	-0.004	71	223373	10.0	3.38	
	7 Phenol	94	3.403	3.407	-0.004	58	222116	10.0	3.41	
	9 Bis(2-chloroethyl)ether	93	3.403	3.407	-0.004	86	468833	10.0	7.71	
	10 Benzonitrile	103	3.403	3.416	-0.013	85	904879	NC	NC	
	11 2-Chlorophenol	128	3.475	3.473	0.002	77	346878	10.0	8.05	
	12 n-Decane	43	3.508	3.512	-0.004	84	324101	10.0	5.27	
	13 1,3-Dichlorobenzene	146	3.589	3.593	-0.004	84	340580	10.0	5.67	
*	14 1,4-Dichlorobenzene-d4	152	3.654	3.650	0.004	92	352574	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.670	3.667	0.003	86	347908	10.0	5.59	
	18 1,2-Dichlorobenzene	146	3.817	3.821	-0.004	85	348031	10.0	5.96	
	17 Benzyl alcohol	108	3.841	3.846	-0.005	76	181641	10.0	7.55	
	20 2,2'-oxybis[1-chloropropan	45	3.963	3.960	0.003	72	597695	10.0	8.04	
	19 2-Methylphenol	108	4.011	4.017	-0.006	54	247373	10.0	6.72	
	23 N-Methylaniline	106	4.084	4.089	-0.005	71	784710	NC	NC	
	24 Acetophenone	105	4.092	4.097	-0.005	95	833132	10.0	9.89	
	25 N-Nitrosodi-n-propylamine	70	4.109	4.121	-0.012	92	529470	10.0	9.90	
	27 Hexachloroethane	117	4.158	4.161	-0.003	83	163565	10.0	5.57	
	26 3 & 4 Methylphenol	108	4.173	4.177	-0.004	75	270981	10.0	6.81	
	21 4-Methylphenol	108	4.173	4.177	-0.004	78	269487	10.0	6.81	
$	28 Nitrobenzene-d5	82	4.237	4.241	-0.004	96	817304	10.0	8.35	
	29 Nitrobenzene	77	4.262	4.265	-0.003	79	1155448	10.0	9.34	
	30 n,n'-Dimethylaniline	120	4.262	4.265	-0.003	74	765819	10.0	9.07	
	31 Isophorone	82	4.505	4.518	-0.013	93	1314170	10.0	9.14	
	32 2-Nitrophenol	139	4.578	4.583	-0.005	49	258968	10.0	8.00	
	33 2,4-Dimethylphenol	122	4.691	4.695	-0.004	76	368216	10.0	8.91	
	34 Bis(2-chloroethoxy)methane	93	4.748	4.752	-0.004	87	559757	10.0	9.46	
	36 2,4-Dichlorophenol	162	4.861	4.865	-0.003	86	505374	10.0	8.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 1,2,4-Trichlorobenzene	180	4.902	4.905	-0.003	91	382298	10.0	5.78	
* 38 Naphthalene-d8	136	4.951	4.947	0.004	97	1204097	8.00	8.00	
39 Naphthalene	128	4.976	4.979	-0.003	95	863173	10.0	6.58	
40 4-Chloroaniline	127	5.064	5.068	-0.004	88	543678	10.0	8.78	
41 Hexachlorobutadiene	225	5.112	5.117	-0.005	92	294642	10.0	5.40	
44 4-Chloro-3-methylphenol	107	5.614	5.619	-0.005	85	441171	10.0	8.50	
45 2-Methylnaphthalene	142	5.671	5.676	-0.005	78	655551	10.0	6.79	
46 1-Methylnaphthalene	142	5.768	5.774	-0.006	87	608440	10.0	7.00	
47 Hexachlorocyclopentadiene	237	5.840	5.845	-0.005	95	278248	10.0	4.25	
48 1,2,4,5-Tetrachlorobenzene	216	5.840	5.853	-0.013	91	523751	10.0	5.75	
49 2-tertbutyl-4-methylphenol	149	5.937	5.942	-0.005	84	889784	10.0	10.8	
50 2,4,6-Trichlorophenol	196	5.994	5.997	-0.003	86	418680	10.0	8.59	
51 2,4,5-Trichlorophenol	196	6.052	6.055	-0.003	70	454005	10.0	8.88	
$ 52 2-Fluorobiphenyl	172	6.052	6.055	-0.003	94	1226502	10.0	8.12	
53 1,1'-Biphenyl	154	6.150	6.152	-0.002	95	1075077	10.0	7.64	
54 2-Chloronaphthalene	162	6.158	6.160	-0.002	93	839684	10.0	6.85	
55 Phenyl ether	170	6.256	6.257	-0.001	86	637544	10.0	8.16	
57 2-Nitroaniline	65	6.289	6.298	-0.009	83	431331	10.0	8.64	
58 1,3-Dimethylnaphthalene	156	6.377	6.379	-0.002	88	647628	10.0	7.44	
60 Coumarin	146	6.481	6.485	-0.004	77	382758	10.0	11.0	
59 Dimethyl phthalate	163	6.488	6.494	-0.006	96	1354204	10.0	9.85	
61 2,6-Dinitrotoluene	165	6.538	6.541	-0.003	81	289670	10.0	8.91	
62 Acenaphthylene	152	6.562	6.565	-0.003	96	1169252	10.0	7.80	
* 64 Acenaphthene-d10	164	6.707	6.700	0.007	92	808631	8.00	8.00	
63 3-Nitroaniline	138	6.707	6.712	-0.005	74	274869	10.0	9.28	
66 Acenaphthene	154	6.731	6.736	-0.005	92	791152	10.0	7.72	
65 3,5-di-tert-butyl-4-hydrox	205	6.756	6.761	-0.005	97	949552	10.0	8.06	
67 2,4-Dinitrophenol	184	6.803	6.810	-0.007	79	225033	20.0	10.0	
71 Dibenzofuran	168	6.907	6.916	-0.009	92	1210599	10.0	8.14	
70 2,4-Dinitrotoluene	165	6.924	6.932	-0.008	84	425711	10.0	10.9	
69 4-Nitrophenol	65	6.980	6.979	0.001	78	199590	20.0	5.77	
72 2,3,4,6-Tetrachlorophenol	232	7.060	7.061	-0.001	94	420932	10.0	8.91	
73 Diethyl phthalate	149	7.175	7.183	-0.008	95	1279604	10.0	9.07	
75 Fluorene	166	7.240	7.247	-0.007	96	1065694	10.0	8.99	
74 4-Chlorophenyl phenyl ethe	204	7.257	7.255	0.002	88	634673	10.0	8.91	
76 4-Nitroaniline	138	7.321	7.337	-0.015	81	210938	10.0	8.58	
77 4,6-Dinitro-2-methylphenol	198	7.330	7.345	-0.015	73	480778	20.0	16.7	
78 N-Nitrosodiphenylamine	169	7.385	7.392	-0.007	67	722125	10.0	9.55	
79 1,2-Diphenylhydrazine	77	7.410	7.417	-0.007	91	1299442	10.0	9.03	
$ 80 2,4,6-Tribromophenol	330	7.491	7.490	0.001	95	427155	10.0	9.49	
81 4-Bromophenyl phenyl ether	248	7.726	7.731	-0.005	90	498962	10.0	9.69	
82 Hexachlorobenzene	284	7.775	7.780	-0.005	95	631418	10.0	9.50	
85 Pentachloronitrobenzene	237	7.995	7.998	-0.003	88	271426	10.0	10.2	
84 Pentachlorophenol	266	8.003	8.006	-0.003	93	708879	20.0	21.0	
86 n-Octadecane	57	8.099	8.102	-0.003	89	720447	10.0	10.4	
* 87 Phenanthrene-d10	188	8.148	8.151	-0.003	97	1174563	8.00	8.00	
88 Phenanthrene	178	8.172	8.176	-0.004	97	1351357	10.0	9.87	
89 Anthracene	178	8.222	8.225	-0.003	97	1424700	10.0	10.0	
90 Carbazole	167	8.400	8.411	-0.011	98	1285601	10.0	10.8	
91 Di-n-butyl phthalate	149	8.765	8.766	-0.001	98	1824986	10.0	10.4	
92 Fluoranthene	202	9.325	9.333	-0.008	97	1623569	10.0	10.6	
93 Benzidine	184	9.480	9.487	-0.007	96	514485	10.0	5.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Pyrene	202	9.545	9.544	0.001	97	1633362	10.0	10.3	
95 Bisphenol-A	213	9.659	9.667	-0.008	0	236615	5.00	3.49	
$ 96 Terphenyl-d14	244	9.715	9.723	-0.008	98	1393051	10.0	9.09	
97 Butyl benzyl phthalate	149	10.217	10.217	0.000	97	780011	10.0	10.5	
99 Carbamazepine	193	10.313	10.321	-0.008	86	559223	10.0	10.6	
100 3,3'-Dichlorobenzidine	252	10.750	10.750	0.000	83	715053	10.0	10.6	
101 Benzo[a]anthracene	228	10.750	10.750	0.000	95	1585306	10.0	10.4	
* 102 Chrysene-d12	240	10.758	10.754	0.004	97	1165389	8.00	8.00	
104 Chrysene	228	10.788	10.796	-0.008	99	1408823	10.0	10.1	
103 Bis(2-ethylhexyl) phthalat	149	10.837	10.836	0.001	88	992755	10.0	10.3	
105 Di-n-octyl phthalate	149	11.597	11.607	-0.010	96	1484443	10.0	9.76	
106 Benzo[b]fluoranthene	252	12.001	12.011	-0.010	95	1372929	10.0	9.20	
107 Benzo[k]fluoranthene	252	12.034	12.043	-0.009	94	1425263	10.0	9.67	
108 Benzo[a]pyrene	252	12.400	12.407	-0.007	96	1269015	10.0	9.27	
* 109 Perylene-d12	264	12.472	12.473	-0.001	97	1068076	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.821	13.831	-0.010	94	1362835	10.0	10.2	
111 Dibenz(a,h)anthracene	278	13.862	13.869	-0.007	96	1377408	10.0	11.0	
112 Benzo[g,h,i]perylene	276	14.155	14.161	-0.006	93	1353083	10.0	9.51	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00114 Amount Added: 20.00 Units: uL Run Reagent

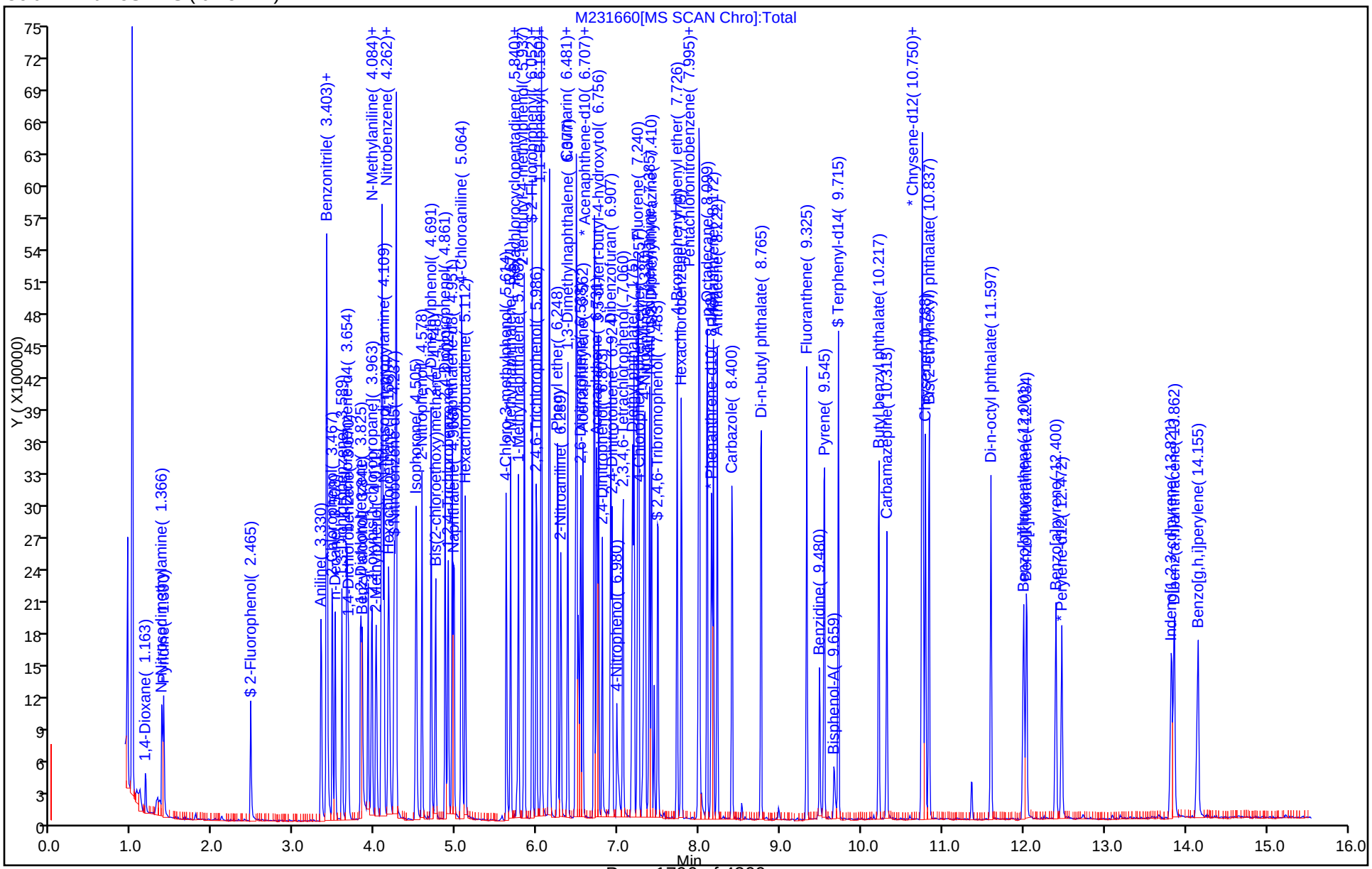
Report Date: 24-Aug-2016 12:26:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS6\20160823-44773.b\M231660.D

Injection Date:	24-Aug-2016 02:39:30	Instrument ID:	CBNAMS6	Operator ID:	
Lims ID:	LCSD 460-385924/3-A			Worklist Smp#:	25
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8270LVI_R6	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MS | Lab Sample ID: 460-118857-5 MS

Matrix: Solid | Lab File ID: z41811371.D

Analysis Method: 8270D | Date Collected: 08/18/2016 11:55

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0496(g) | Date Analyzed: 08/22/2016 12:50

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	2760		35	7.7
95-50-1	1,2-Dichlorobenzene	2620		350	12
541-73-1	1,3-Dichlorobenzene	2570		350	27
106-46-7	1,4-Dichlorobenzene	2560		350	27
108-60-1	2,2'-oxybis[1-chloropropane]	2460		350	14
121-14-2	2,4-Dinitrotoluene	3330		70	14
606-20-2	2,6-Dinitrotoluene	3120		70	18
91-58-7	2-Chloronaphthalene	2890		350	7.9
91-57-6	2-Methylnaphthalene	2840		350	7.7
88-74-4	2-Nitroaniline	2160		350	11
91-94-1	3,3'-Dichlorobenzidine	391		140	39
99-09-2	3-Nitroaniline	1860		350	10
101-55-3	4-Bromophenyl phenyl ether	3020		350	11
106-47-8	4-Chloroaniline	293	J	350	8.9
7005-72-3	4-Chlorophenyl phenyl ether	3030		350	10
100-01-6	4-Nitroaniline	1970		350	13
83-32-9	Acenaphthene	2970		350	8.4
208-96-8	Acenaphthylene	2840		350	8.9
120-12-7	Anthracene	2990		350	33
56-55-3	Benzo[a]anthracene	3080		35	29
50-32-8	Benzo[a]pyrene	3010		35	10
205-99-2	Benzo[b]fluoranthene	2920		35	14
191-24-2	Benzo[g,h,i]perylene	3210		350	20
207-08-9	Benzo[k]fluoranthene	3010		35	15
111-91-1	Bis(2-chloroethoxy)methane	2660		350	11
111-44-4	Bis(2-chloroethyl)ether	2560		35	8.2
117-81-7	Bis(2-ethylhexyl) phthalate	3210		350	14
85-68-7	Butyl benzyl phthalate	3130		350	11
86-74-8	Carbazole	2880		350	8.6
218-01-9	Chrysene	3000		350	9.4
53-70-3	Dibenz(a,h)anthracene	3590		35	18
132-64-9	Dibenzofuran	2940		350	10
84-66-2	Diethyl phthalate	3330		350	9.9
131-11-3	Dimethyl phthalate	3380		350	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MS | Lab Sample ID: 460-118857-5 MS

Matrix: Solid | Lab File ID: z41811371.D

Analysis Method: 8270D | Date Collected: 08/18/2016 11:55

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0496(g) | Date Analyzed: 08/22/2016 12:50

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	3390		350	10
117-84-0	Di-n-octyl phthalate	3000		350	18
206-44-0	Fluoranthene	3100		350	10
86-73-7	Fluorene	3000		350	7.6
118-74-1	Hexachlorobenzene	3140		35	14
87-68-3	Hexachlorobutadiene	2860		70	9.8
77-47-4	Hexachlorocyclopentadiene	266	J	350	22
67-72-1	Hexachloroethane	2260		35	13
193-39-5	Indeno[1,2,3-cd]pyrene	3530		35	23
78-59-1	Isophorone	2870		140	7.5
91-20-3	Naphthalene	2770		350	8.8
98-95-3	Nitrobenzene	2010		35	11
621-64-7	N-Nitrosodi-n-propylamine	2790		35	12
86-30-6	N-Nitrosodiphenylamine	2900		350	31
85-01-8	Phenanthrene	3040		350	9.2
129-00-0	Pyrene	2790		350	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	87		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	75		37-94
1718-51-0	Terphenyl-d14 (Surr)	79		24-109

Report Date: 22-Aug-2016 18:38:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811371.D
Lims ID: 460-118857-F-5-A MS
Client ID: SB-8 (2-4) 08182016
Sample Type: MS
Inject. Date: 22-Aug-2016 12:50:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044693-016
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 18:38:28 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: bayoumiw Date: 22-Aug-2016 18:38:28

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.399	1.299	0.100	99	131699	50.0	23.7	
	2 N-Nitrosodimethylamine	74	1.599	1.516	0.083	84	237846	50.0	32.3	
	3 Pyridine	79	1.557	1.534	0.023	6	3768	50.0	0.2937	
$	4 2-Fluorophenol	112	2.657	2.610	0.047	95	411501	50.0	32.3	
	5 Benzaldehyde	77	3.428	3.410	0.018	93	639387	100.0	59.1	
	8 Aniline	93	3.557	3.557	0.023	26	14583	50.0	0.8326	7
$	6 Phenol-d5	99	3.545	3.546	-0.001	86	473794	50.0	33.4	
	7 Phenol	94	3.557	3.563	-0.006	99	466740	50.0	30.0	
	9 Bis(2-chloroethyl)ether	93	3.610	3.610	0.000	97	431248	50.0	36.5	
	10 Benzonitrile	103	3.616	3.628	-0.012	0	865142	NC	NC	
	11 2-Chlorophenol	128	3.663	3.657	0.006	96	447513	50.0	34.2	
	12 n-Decane	43	3.722	3.728	-0.006	91	507934	50.0	30.9	
	13 1,3-Dichlorobenzene	146	3.804	3.804	0.000	96	563204	50.0	36.7	
*	14 1,4-Dichlorobenzene-d4	152	3.863	3.857	0.006	94	401802	40.0	40.0	
	15 1,4-Dichlorobenzene	146	3.875	3.881	-0.006	96	562779	50.0	36.6	
	16 Benzyl alcohol	108	4.022	4.028	-0.006	94	279847	50.0	41.9	
	17 1,2-Dichlorobenzene	146	4.028	4.034	-0.006	96	528584	50.0	37.5	
	19 2,2'-oxybis[1-chloropropan	45	4.157	4.163	-0.006	94	587429	50.0	35.2	
	18 2-Methylphenol	108	4.163	4.163	0.000	89	368527	50.0	35.5	
	20 N-Methylaniline	106	4.275	4.281	-0.006	0	115986	NC	NC	
	22 Acetophenone	105	4.281	4.293	-0.012	93	570723	50.0	39.9	
	21 N-Nitrosodi-n-propylamine	70	4.298	4.310	-0.012	89	286262	50.0	39.9	
	24 4-Methylphenol	108	4.328	4.334	-0.006	94	371075	50.0	35.1	
	23 3 & 4 Methylphenol	108	4.328	4.334	-0.006	97	371075	50.0	35.1	
	25 Hexachloroethane	117	4.363	4.369	-0.006	92	181276	50.0	32.4	
$	26 Nitrobenzene-d5	82	4.428	4.440	-0.012	90	422223	50.0	37.3	
	27 Nitrobenzene	77	4.451	4.463	-0.012	95	426393	50.0	28.7	
	28 n,n'-Dimethylaniline	120	4.451	4.469	-0.018	93	119077	50.0	6.74	
	31 Isophorone	82	4.698	4.716	-0.018	98	686405	50.0	41.0	
	32 2-Nitrophenol	139	4.775	4.781	-0.006	94	235562	50.0	38.1	
	33 2,4-Dimethylphenol	122	4.857	4.863	-0.006	92	355478	50.0	37.2	
	34 Bis(2-chloroethoxy)methane	93	4.934	4.945	-0.011	99	436766	50.0	38.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.034	5.040	-0.006	96	329752	50.0	36.2	
29 2-Toluidine	107	5.034	5.051	-0.017	32	5192		NC	
35 Benzoic acid	122	4.987	5.063	-0.076	88	38640	50.0	9.70	
37 1,2,4-Trichlorobenzene	180	5.104	5.110	-0.006	94	426542	50.0	39.5	
* 38 Naphthalene-d8	136	5.151	5.151	0.000	99	1270842	40.0	40.0	
39 Naphthalene	128	5.175	5.181	-0.006	100	1263258	50.0	39.6	
40 4-Chloroaniline	127	5.251	5.257	-0.006	96	49386	50.0	4.19	
41 Hexachlorobutadiene	225	5.316	5.322	-0.006	97	261510	50.0	40.8	
42 Caprolactam	113	5.628	5.587	0.041	91	82201	100.0	30.4	
43 4-Chloro-3-methylphenol	107	5.781	5.775	0.006	95	267412	50.0	36.4	
44 2-Methylnaphthalene	142	5.875	5.881	-0.006	85	807137	50.0	40.6	
45 1-Methylnaphthalene	142	5.975	5.975	0.000	93	748639	50.0	41.0	
46 Hexachlorocyclopentadiene	237	6.045	6.045	0.000	98	25571	50.0	3.80	
47 1,2,4,5-Tetrachlorobenzene	216	6.051	6.057	-0.006	99	389223	50.0	40.0	
48 2-tertbutyl-4-methylphenol	149	6.122	6.122	0.000	93	560004	50.0	41.4	
49 2,4,6-Trichlorophenol	196	6.181	6.181	0.000	93	218183	50.0	39.1	
50 2,4,5-Trichlorophenol	196	6.228	6.216	0.012	99	209176	50.0	36.6	
$ 51 2-Fluorobiphenyl	172	6.257	6.257	0.000	98	934404	50.0	43.4	
52 1,1'-Biphenyl	154	6.351	6.351	0.000	96	965527	50.0	42.9	
53 2-Chloronaphthalene	162	6.357	6.363	-0.006	97	701269	50.0	41.2	
54 Phenyl ether	170	6.457	6.457	0.000	85	528175	50.0	43.4	
55 2-Nitroaniline	65	6.481	6.481	0.000	92	156102	50.0	30.9	
57 1,3-Dimethylnaphthalene	156	6.581	6.587	-0.005	93	627262	50.0	43.9	
58 Dimethyl phthalate	163	6.675	6.681	-0.006	99	731925	50.0	48.3	
59 Coumarin	146	6.675	6.681	-0.006	69	235077	50.0	50.0	
60 2,6-Dinitrotoluene	165	6.728	6.734	-0.006	94	159056	50.0	44.6	
63 Acenaphthylene	152	6.769	6.769	0.000	97	993589	50.0	40.6	
64 3-Nitroaniline	138	6.886	6.892	-0.006	96	95107	50.0	26.6	
* 65 Acenaphthene-d10	164	6.910	6.904	0.006	93	536356	40.0	40.0	
67 Acenaphthene	154	6.939	6.945	-0.006	94	638984	50.0	42.4	
66 3,5-di-tert-butyl-4-hydrox	205	6.957	6.963	-0.006	97	774589	50.0	45.1	
68 2,4-Dinitrophenol	184	6.998	7.004	-0.006	95	94562	100.0	44.2	
69 4-Nitrophenol	65	7.110	7.104	0.006	78	180669	100.0	82.5	
71 Dibenzofuran	168	7.110	7.116	-0.006	94	914824	50.0	42.0	
70 2,4-Dinitrotoluene	165	7.128	7.128	0.000	82	197250	50.0	47.6	
61 1-Naphthylamine	143	7.145	7.157	-0.012	84	8151		NC	
62 2-Naphthylamine	143	7.192	7.157	0.035	49	3484		NC	
72 2,3,4,6-Tetrachlorophenol	232	7.251	7.251	0.000	96	152032	50.0	36.0	
73 Diethyl phthalate	149	7.369	7.375	-0.006	99	656038	50.0	47.6	
74 Fluorene	166	7.445	7.451	-0.006	96	722804	50.0	42.9	
75 4-Chlorophenyl phenyl ethe	204	7.457	7.463	-0.006	96	367133	50.0	43.3	
76 4-Nitroaniline	138	7.492	7.498	-0.006	87	84627	50.0	28.1	
77 4,6-Dinitro-2-methylphenol	198	7.533	7.539	-0.006	91	175335	100.0	70.1	
78 N-Nitrosodiphenylamine	169	7.580	7.586	-0.006	68	459103	50.0	41.5	
79 1,2-Diphenylhydrazine	77	7.616	7.616	0.000	96	572257	50.0	40.8	
$ 80 2,4,6-Tribromophenol	330	7.692	7.692	0.000	94	99268	50.0	40.8	
81 4-Bromophenyl phenyl ether	248	7.933	7.933	0.000	94	197278	50.0	43.1	
82 Hexachlorobenzene	284	7.998	7.998	0.000	96	204242	50.0	44.9	
83 Atrazine	200	8.133	8.128	0.005	96	261932	100.0	75.6	
84 Pentachlorophenol	266	8.204	8.204	0.000	93	169847	100.0	62.1	
85 Pentachloronitrobenzene	237	8.210	8.210	0.000	89	78663	50.0	48.2	
86 n-Octadecane	57	8.310	8.310	0.000	93	435290	50.0	40.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	668085	40.0	40.0	
88 Phenanthrene	178	8.386	8.386	0.000	97	805702	50.0	43.5	
89 Anthracene	178	8.439	8.439	0.000	99	819777	50.0	42.7	
90 Carbazole	167	8.610	8.604	0.006	96	622569	50.0	41.2	
91 Di-n-butyl phthalate	149	8.975	8.975	0.000	100	865339	50.0	48.4	
92 Fluoranthene	202	9.551	9.551	0.000	98	720971	50.0	44.3	
94 Pyrene	202	9.769	9.769	0.000	98	698019	50.0	39.9	
95 Bisphenol-A	213	9.851	9.851	0.000	99	139889	25.0	21.8	
$ 96 Terphenyl-d14	244	9.945	9.939	0.006	100	502920	50.0	39.5	
97 Butyl benzyl phthalate	149	10.439	10.439	0.000	96	276459	50.0	44.8	
99 Carbamazepine	193	10.533	10.533	0.000	91	170930	50.0	37.4	
100 3,3'-Dichlorobenzidine	252	10.980	10.980	0.000	97	25193	50.0	5.59	
101 Benzo[a]anthracene	228	10.998	10.992	0.006	98	559095	50.0	43.9	
* 102 Chrysene-d12	240	11.010	10.998	0.012	99	433517	40.0	40.0	
103 Chrysene	228	11.033	11.033	0.000	99	513234	50.0	42.8	
104 Bis(2-ethylhexyl) phthalat	149	11.080	11.074	0.006	88	379741	50.0	45.9	
105 Di-n-octyl phthalate	149	11.851	11.851	0.000	97	593148	50.0	42.9	
106 Benzo[b]fluoranthene	252	12.274	12.268	0.006	98	490065	50.0	41.8	
107 Benzo[k]fluoranthene	252	12.304	12.304	0.000	99	514526	50.0	43.0	
108 Benzo[a]pyrene	252	12.680	12.674	0.006	97	461657	50.0	43.1	
* 109 Perylene-d12	264	12.751	12.745	0.006	99	393052	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.127	14.121	0.006	99	504107	50.0	50.5	
111 Dibenz(a,h)anthracene	278	14.157	14.151	0.006	97	508684	50.0	51.3	
112 Benzo[g,h,i]perylene	276	14.462	14.451	0.011	98	478846	50.0	45.9	
S 119 Total Cresols	1				0			70.6	
127 4,4'-DDT	235	7.251	7.151	0.100	60	5298		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00118 Amount Added: 20.00 Units: uL Run Reagent

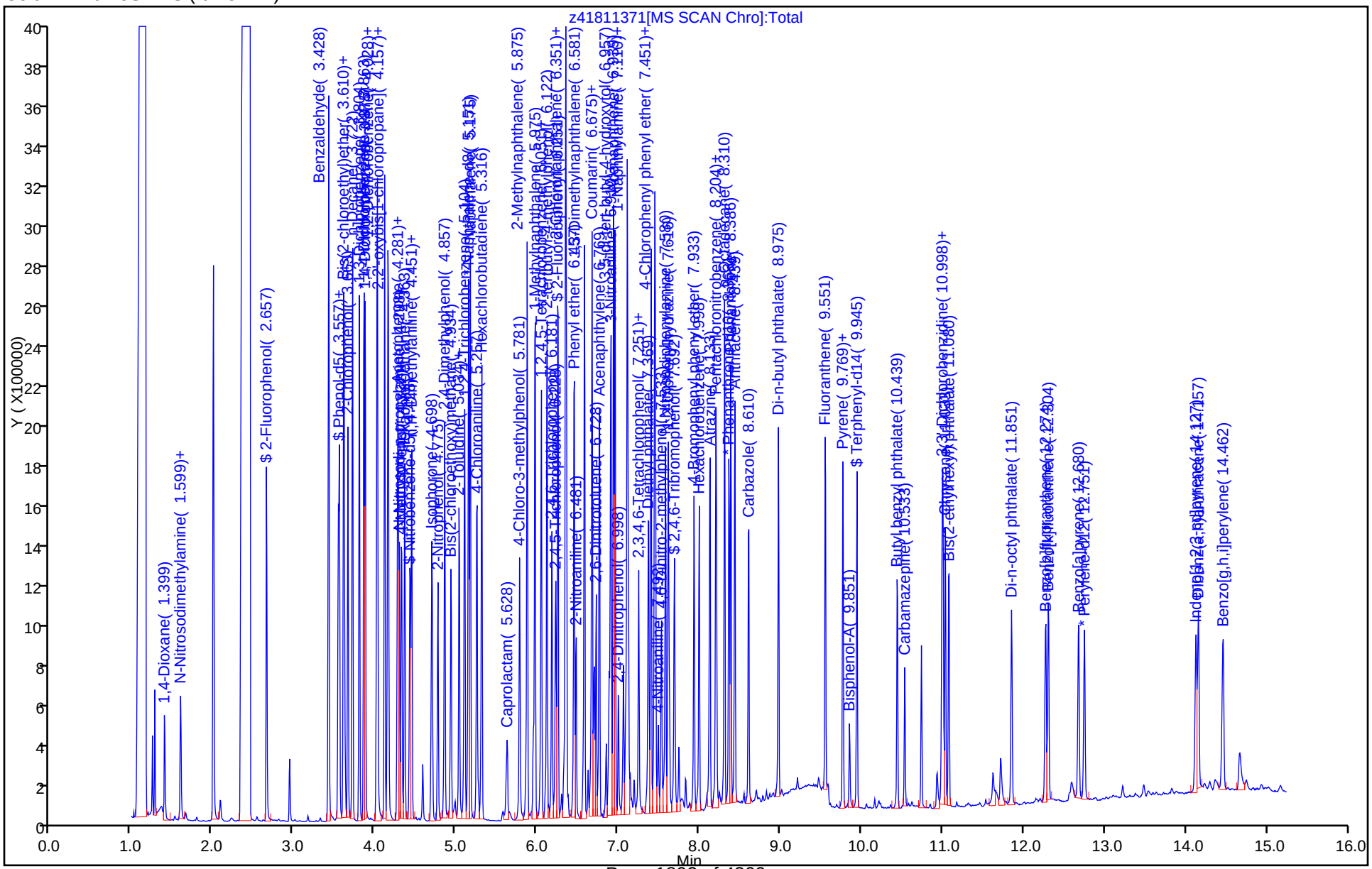
Report Date: 22-Aug-2016 18:38:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811371.D

Injection Date:	22-Aug-2016 12:50:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	460-118857-F-5-A MS			Worklist Smp#:	16
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118952-G-5-F MS

Matrix: Solid | Lab File ID: x17356.D

Analysis Method: 8270D | Date Collected: 08/17/2016 14:20

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0235(g) | Date Analyzed: 08/23/2016 11:08

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 1.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	2890		34	7.4
95-50-1	1,2-Dichlorobenzene	2730		340	11
541-73-1	1,3-Dichlorobenzene	2670		340	26
106-46-7	1,4-Dichlorobenzene	2640		340	26
108-60-1	2,2'-oxybis[1-chloropropane]	2540		340	14
121-14-2	2,4-Dinitrotoluene	3060		68	13
606-20-2	2,6-Dinitrotoluene	3130		68	18
91-58-7	2-Chloronaphthalene	2870		340	7.6
91-57-6	2-Methylnaphthalene	2910		340	7.4
88-74-4	2-Nitroaniline	2600		340	11
91-94-1	3,3'-Dichlorobenzidine	2720		140	38
99-09-2	3-Nitroaniline	2590		340	10
101-55-3	4-Bromophenyl phenyl ether	3090		340	11
106-47-8	4-Chloroaniline	2150		340	8.7
7005-72-3	4-Chlorophenyl phenyl ether	2960		340	10
100-01-6	4-Nitroaniline	2920		340	13
83-32-9	Acenaphthene	2730		340	8.1
208-96-8	Acenaphthylene	2930		340	8.7
120-12-7	Anthracene	2990		340	32
56-55-3	Benzo[a]anthracene	3060		34	28
50-32-8	Benzo[a]pyrene	3190		34	10
205-99-2	Benzo[b]fluoranthene	3240		34	13
191-24-2	Benzo[g,h,i]perylene	2950		340	19
207-08-9	Benzo[k]fluoranthene	2930		34	15
111-91-1	Bis(2-chloroethoxy)methane	2780		340	10
111-44-4	Bis(2-chloroethyl)ether	2810		34	7.9
117-81-7	Bis(2-ethylhexyl) phthalate	2960		340	13
85-68-7	Butyl benzyl phthalate	2880		340	10
86-74-8	Carbazole	2900		340	8.3
218-01-9	Chrysene	3040		340	9.2
53-70-3	Dibenz(a,h)anthracene	2770		34	18
132-64-9	Dibenzofuran	2920		340	10
84-66-2	Diethyl phthalate	2870		340	9.6
131-11-3	Dimethyl phthalate	2950		340	9.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118952-G-5-F MS

Matrix: Solid | Lab File ID: x17356.D

Analysis Method: 8270D | Date Collected: 08/17/2016 14:20

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0235(g) | Date Analyzed: 08/23/2016 11:08

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 1.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	2900		340	10
117-84-0	Di-n-octyl phthalate	2930		340	17
206-44-0	Fluoranthene	3010		340	10
86-73-7	Fluorene	2910		340	7.3
118-74-1	Hexachlorobenzene	3300		34	14
87-68-3	Hexachlorobutadiene	2880		68	9.5
77-47-4	Hexachlorocyclopentadiene	2860		340	21
67-72-1	Hexachloroethane	2570		34	12
193-39-5	Indeno[1,2,3-cd]pyrene	2740		34	22
78-59-1	Isophorone	2800		140	7.2
91-20-3	Naphthalene	2820		340	8.6
98-95-3	Nitrobenzene	2610		34	11
621-64-7	N-Nitrosodi-n-propylamine	2820		34	11
86-30-6	N-Nitrosodiphenylamine	2980		340	31
85-01-8	Phenanthrene	3000		340	9.0
129-00-0	Pyrene	3030		340	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	87		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	78		37-94
1718-51-0	Terphenyl-d14 (Surr)	89		24-109

Report Date: 24-Aug-2016 13:30:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17356.D
Lims ID: 460-118952-G-5-F MS
Client ID: CFMW-053a-SO-10-12
Sample Type: MS
Inject. Date: 23-Aug-2016 11:08:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-008
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 13:26:08 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: croccom Date: 23-Aug-2016 12:11:36

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.981	1.881	0.100	91	211990	50.0	24.5	
	2 N-Nitrosodimethylamine	74	2.193	2.122	0.071	90	445281	50.0	37.9	
	3 Pyridine	79	2.228	2.146	0.082	97	619607	50.0	29.9	
$	4 2-Fluorophenol	112	3.328	3.287	0.041	97	717716	50.0	37.8	
	5 Benzaldehyde	77	4.145	4.134	0.011	96	1022341	100.0	63.1	
$	6 Phenol-d5	99	4.204	4.210	-0.006	89	881853	50.0	41.2	
	7 Phenol	94	4.222	4.228	-0.006	99	871557	50.0	39.9	
	8 Aniline	93	4.245	4.245	0.000	99	951213	50.0	34.0	
	9 Bis(2-chloroethyl)ether	93	4.304	4.310	-0.006	99	725401	50.0	41.4	
	10 Benzonitrile	103	4.340	4.345	-0.005	66	1509986	NC	NC	
	11 2-Chlorophenol	128	4.369	4.369	0.000	97	744877	50.0	39.3	
	12 n-Decane	43	4.410	4.416	-0.006	88	627996	50.0	30.5	
	13 1,3-Dichlorobenzene	146	4.522	4.522	0.000	97	854481	50.0	39.4	
*	14 1,4-Dichlorobenzene-d4	152	4.569	4.575	-0.006	95	556063	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.587	4.592	-0.005	95	842775	50.0	38.9	
	16 Benzyl alcohol	108	4.704	4.716	-0.012	95	459803	50.0	47.4	
	17 1,2-Dichlorobenzene	146	4.740	4.745	-0.005	98	810238	50.0	40.2	
	18 2-Methylphenol	108	4.816	4.822	-0.006	92	631497	50.0	40.5	
	19 2,2'-oxybis[1-chloropropan	45	4.840	4.845	-0.005	90	791498	50.0	37.4	
	29 2-Toluidine	107	4.969	4.968	0.001	96	1471331		NC	
	22 N-Nitrosodi-n-propylamine	70	4.975	4.987	-0.012	85	497621	50.0	41.6	
	23 3 & 4 Methylphenol	108	4.975	4.987	-0.012	81	682127	50.0	40.6	
	24 4-Methylphenol	108	4.975	4.987	-0.012	83	682127	50.0	40.6	
	21 Acetophenone	105	4.975	4.987	-0.012	94	907935	50.0	41.3	
	20 N-Methylaniline	106	4.992	5.016	-0.024	1	2258	NC	NC	
	25 Hexachloroethane	117	5.081	5.087	-0.006	93	301056	50.0	37.9	
$	26 Nitrobenzene-d5	82	5.122	5.134	-0.012	86	772495	50.0	38.8	
	28 Nitrobenzene	77	5.145	5.157	-0.012	96	1007758	50.0	38.5	
	27 n,n'-Dimethylaniline	120	5.145	5.157	-0.012	92	1149522	50.0	43.6	
	31 Isophorone	82	5.387	5.398	-0.011	99	1286433	50.0	41.2	
	32 2-Nitrophenol	139	5.463	5.469	-0.006	96	377567	50.0	38.8	
	33 2,4-Dimethylphenol	122	5.504	5.516	-0.012	93	610111	50.0	41.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.598	5.604	-0.006	98	789968	50.0	40.9	
36 2,4-Dichlorophenol	162	5.704	5.716	-0.012	97	558549	50.0	40.7	
37 1,2,4-Trichlorobenzene	180	5.792	5.798	-0.006	93	709686	50.0	42.6	
* 38 Naphthalene-d8	136	5.851	5.857	-0.006	99	1922329	40.0	40.0	
39 Naphthalene	128	5.869	5.875	-0.006	100	2092861	50.0	41.6	
40 4-Chloroaniline	127	5.922	5.934	-0.012	97	635389	50.0	31.7	
41 Hexachlorobutadiene	225	5.998	6.004	-0.006	98	410027	50.0	42.4	
42 Caprolactam	113	6.298	6.263	0.035	93	245891	100.0	61.9	
43 4-Chloro-3-methylphenol	107	6.422	6.410	0.012	95	511212	50.0	41.8	
44 2-Methylnaphthalene	142	6.563	6.569	-0.006	86	1356021	50.0	43.0	
45 1-Methylnaphthalene	142	6.663	6.669	-0.006	94	1255311	50.0	43.2	
46 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	98	419242	50.0	42.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.734	6.739	-0.005	98	660483	50.0	42.7	
48 2-tertbutyl-4-methylphenol	149	6.763	6.763	0.000	93	932948	50.0	43.2	
49 2,4,6-Trichlorophenol	196	6.851	6.851	0.000	92	384999	50.0	40.2	
50 2,4,5-Trichlorophenol	196	6.892	6.886	0.006	99	337868	50.0	36.2	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1552674	50.0	43.5	
52 1,1'-Biphenyl	154	7.028	7.034	-0.006	95	1570204	50.0	43.2	
53 2-Chloronaphthalene	162	7.051	7.057	-0.006	98	1201732	50.0	42.3	
54 Phenyl ether	170	7.133	7.134	-0.001	84	906507	50.0	44.5	
56 2-Nitroaniline	65	7.151	7.157	-0.006	96	365471	50.0	38.3	
57 1,3-Dimethylnaphthalene	156	7.269	7.269	0.000	93	1078111	50.0	45.0	
58 Dimethyl phthalate	163	7.333	7.339	-0.006	99	1178452	50.0	43.4	
59 Coumarin	146	7.357	7.363	-0.006	81	401043	50.0	46.8	
60 2,6-Dinitrotoluene	165	7.392	7.398	-0.006	95	285321	50.0	46.2	
61 Acenaphthylene	152	7.463	7.469	-0.006	98	1755730	50.0	43.1	
64 3-Nitroaniline	138	7.557	7.563	-0.006	98	251145	50.0	38.1	
* 65 Acenaphthene-d10	164	7.604	7.610	-0.006	94	931208	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.622	7.622	0.000	96	1249855	50.0	43.2	
67 Acenaphthene	154	7.639	7.639	0.000	94	1093094	50.0	40.2	
68 2,4-Dinitrophenol	184	7.657	7.669	-0.012	67	694	100.0	2.78	
69 4-Nitrophenol	65	7.722	7.728	-0.006	90	274210	100.0	63.1	
70 2,4-Dinitrotoluene	165	7.786	7.792	-0.006	97	330488	50.0	45.1	
71 Dibenzofuran	168	7.804	7.810	-0.006	96	1620324	50.0	43.0	
72 2,3,4,6-Tetrachlorophenol	232	7.928	7.933	-0.005	97	198028	50.0	26.2	
73 Diethyl phthalate	149	8.028	8.033	-0.005	99	1040765	50.0	42.3	
74 4-Chlorophenyl phenyl ethe	204	8.139	8.145	-0.006	91	639257	50.0	43.6	
75 Fluorene	166	8.145	8.151	-0.006	96	1234975	50.0	42.9	
76 4-Nitroaniline	138	8.163	8.175	-0.012	89	242055	50.0	43.0	
77 4,6-Dinitro-2-methylphenol	198	8.192	8.204	-0.012	92	11932	100.0	4.44	
78 N-Nitrosodiphenylamine	169	8.257	8.263	-0.006	65	858830	50.0	43.9	
79 1,2-Diphenylhydrazine	77	8.298	8.304	-0.006	95	1125175	50.0	39.8	
63 2-Naphthylamine	143	8.457	8.385	0.072	47	505		NC	
62 1-Naphthylamine	143	8.380	8.385	-0.005	66	46065		NC	
$ 80 2,4,6-Tribromophenol	330	8.380	8.386	-0.006	92	201967	50.0	40.8	
81 4-Bromophenyl phenyl ether	248	8.622	8.628	-0.006	97	396169	50.0	45.5	
83 Hexachlorobenzene	284	8.698	8.698	0.000	94	421543	50.0	48.6	
84 Atrazine	200	8.786	8.781	0.006	96	563293	100.0	94.0	
85 Pentachlorophenol	266	8.886	8.892	-0.006	96	102150	100.0	19.5	
86 Pentachloronitrobenzene	237	8.904	8.904	0.000	92	120956	50.0	40.4	
87 n-Octadecane	57	8.957	8.957	0.000	96	693966	50.0	42.2	
* 88 Phenanthrene-d10	188	9.069	9.075	-0.006	98	1203367	40.0	40.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	9.092	9.098	-0.006	97	1501439	50.0	44.2	
90 Anthracene	178	9.145	9.151	-0.006	99	1534186	50.0	44.0	
91 Carbazole	167	9.298	9.298	0.000	96	1185800	50.0	42.7	
92 Di-n-butyl phthalate	149	9.633	9.633	0.000	100	1372865	50.0	42.8	
93 Fluoranthene	202	10.269	10.269	0.000	98	1298582	50.0	44.4	
94 Benzidine	184	10.392	10.398	-0.006	99	198998	50.0	16.8	
95 Pyrene	202	10.504	10.504	0.000	98	1267875	50.0	44.6	
82 Bisphenol-A	213	10.545	10.545	0.000	99	162006	25.0	32.6	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	100	969890	50.0	44.7	
97 Butyl benzyl phthalate	149	11.198	11.198	0.000	97	419085	50.0	42.4	
99 Carbamazepine	193	11.333	11.339	-0.006	92	276569	50.0	41.5	
100 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	98	262989	50.0	40.1	
101 Benzo[a]anthracene	228	11.886	11.892	-0.006	98	908858	50.0	45.1	
* 102 Chrysene-d12	240	11.904	11.904	0.000	99	714345	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	88	586243	50.0	43.6	
103 Chrysene	228	11.933	11.939	-0.006	99	857497	50.0	44.7	
105 Di-n-octyl phthalate	149	12.804	12.804	0.000	97	819105	50.0	43.2	
106 Benzo[b]fluoranthene	252	13.345	13.345	0.000	98	717656	50.0	47.8	
107 Benzo[k]fluoranthene	252	13.380	13.386	-0.006	99	732738	50.0	43.2	
108 Benzo[a]pyrene	252	13.804	13.804	0.000	98	633712	50.0	47.0	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	538321	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.509	15.515	-0.006	98	493070	50.0	40.3	
111 Dibenz(a,h)anthracene	278	15.545	15.551	-0.006	98	519200	50.0	40.8	
112 Benzo[g,h,i]perylene	276	15.974	15.980	-0.006	98	512831	50.0	43.4	
S 119 Total Cresols	1				0			81.1	
126 4,4'-DDD	235	7.928	7.875	0.053	54	6686		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

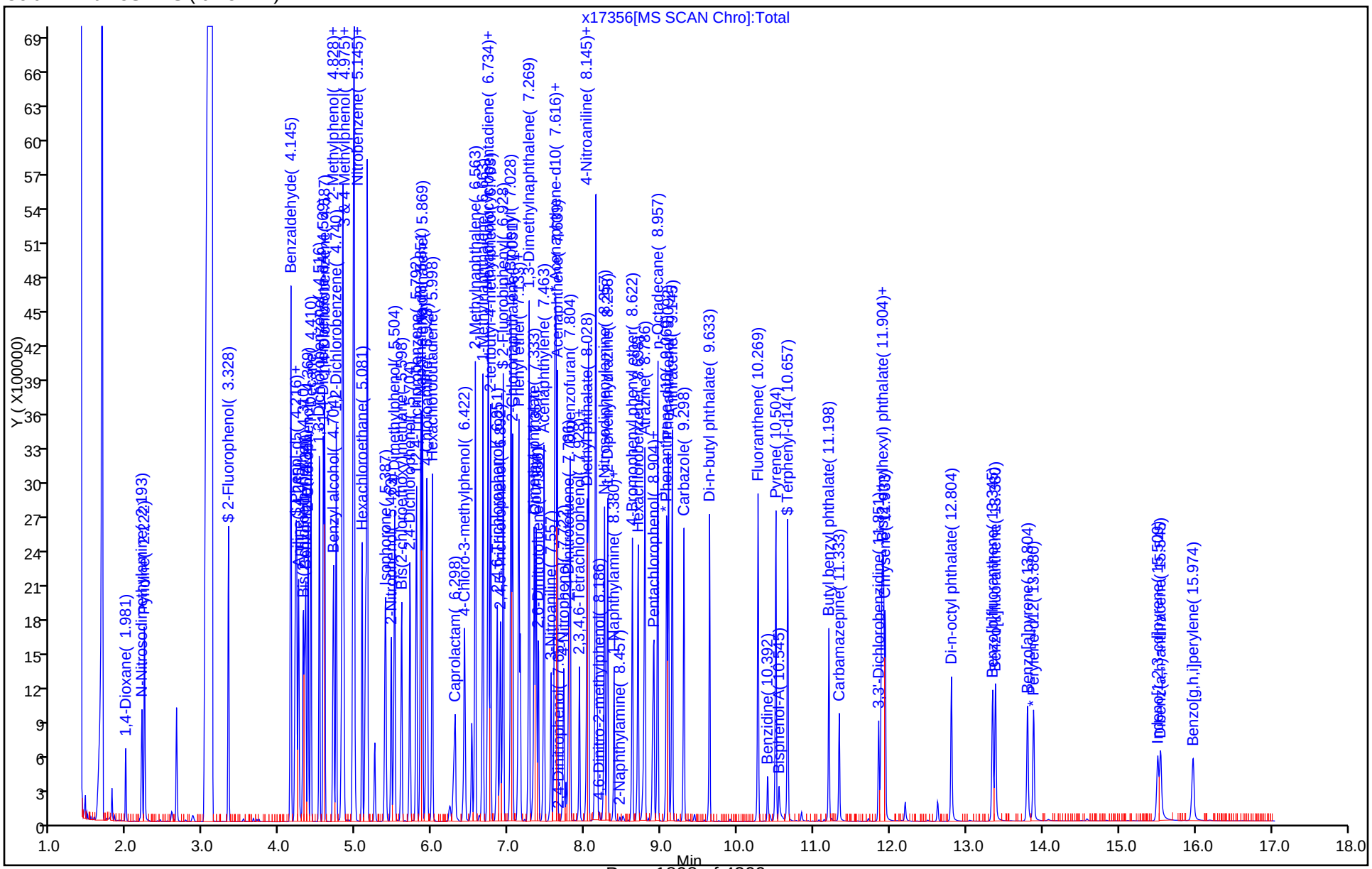
Report Date: 24-Aug-2016 13:30:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17356.D

Injection Date:	23-Aug-2016 11:08:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-118952-G-5-F MS			Worklist Smp#:	8
Client ID:	CFMW-053a-SO-10-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MSD | Lab Sample ID: 460-118857-5 MSD

Matrix: Solid | Lab File ID: z41811372.D

Analysis Method: 8270D | Date Collected: 08/18/2016 10:55

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0115(g) | Date Analyzed: 08/22/2016 13:12

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	2880		35	7.7
95-50-1	1,2-Dichlorobenzene	2680		350	12
541-73-1	1,3-Dichlorobenzene	2600		350	27
106-46-7	1,4-Dichlorobenzene	2620		350	27
108-60-1	2,2'-oxybis[1-chloropropane]	2500		350	14
121-14-2	2,4-Dinitrotoluene	3430		71	14
606-20-2	2,6-Dinitrotoluene	3300		71	19
91-58-7	2-Chloronaphthalene	2980		350	7.9
91-57-6	2-Methylnaphthalene	2990		350	7.7
88-74-4	2-Nitroaniline	2270		350	11
91-94-1	3,3'-Dichlorobenzidine	400		140	39
99-09-2	3-Nitroaniline	1870		350	10
101-55-3	4-Bromophenyl phenyl ether	3080		350	11
106-47-8	4-Chloroaniline	306	J	350	8.9
7005-72-3	4-Chlorophenyl phenyl ether	3130		350	10
100-01-6	4-Nitroaniline	2210		350	13
83-32-9	Acenaphthene	3050		350	8.4
208-96-8	Acenaphthylene	2950		350	8.9
120-12-7	Anthracene	3080		350	33
56-55-3	Benzo[a]anthracene	3160		35	29
50-32-8	Benzo[a]pyrene	3160		35	11
205-99-2	Benzo[b]fluoranthene	3240		35	14
191-24-2	Benzo[g,h,i]perylene	3330		350	20
207-08-9	Benzo[k]fluoranthene	2940		35	15
111-91-1	Bis(2-chloroethoxy)methane	2780		350	11
111-44-4	Bis(2-chloroethyl)ether	2600		35	8.2
117-81-7	Bis(2-ethylhexyl) phthalate	3300		350	14
85-68-7	Butyl benzyl phthalate	3190		350	11
86-74-8	Carbazole	2970		350	8.6
218-01-9	Chrysene	3000		350	9.5
53-70-3	Dibenz(a,h)anthracene	3690		35	18
132-64-9	Dibenzofuran	3040		350	11
84-66-2	Diethyl phthalate	3460		350	9.9
131-11-3	Dimethyl phthalate	3510		350	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MSD | Lab Sample ID: 460-118857-5 MSD

Matrix: Solid | Lab File ID: z41811372.D

Analysis Method: 8270D | Date Collected: 08/18/2016 10:55

Extract. Method: 3546 | Date Extracted: 08/20/2016 12:41

Sample wt/vol: 15.0115(g) | Date Analyzed: 08/22/2016 13:12

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 385995 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	3530		350	10
117-84-0	Di-n-octyl phthalate	3140		350	18
206-44-0	Fluoranthene	3190		350	10
86-73-7	Fluorene	3110		350	7.6
118-74-1	Hexachlorobenzene	3240		35	14
87-68-3	Hexachlorobutadiene	3000		71	9.8
77-47-4	Hexachlorocyclopentadiene	299	J	350	22
67-72-1	Hexachloroethane	2330		35	13
193-39-5	Indeno[1,2,3-cd]pyrene	3640		35	23
78-59-1	Isophorone	2980		140	7.5
91-20-3	Naphthalene	2870		350	8.8
98-95-3	Nitrobenzene	2110		35	11
621-64-7	N-Nitrosodi-n-propylamine	2870		35	12
86-30-6	N-Nitrosodiphenylamine	3010		350	32
85-01-8	Phenanthrene	3130		350	9.3
129-00-0	Pyrene	2860		350	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	91		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	79		37-94
1718-51-0	Terphenyl-d14 (Surr)	82		24-109

Report Date: 22-Aug-2016 18:39:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811372.D
Lims ID: 460-118857-E-5-A MSD
Client ID: SB-8 (2-4) 08182016
Sample Type: MSD
Inject. Date: 22-Aug-2016 13:12:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044693-017
Operator ID: Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\8270_11R_9.m
Limit Group: SV 8270D ICAL
Last Update: 22-Aug-2016 18:39:57 Calib Date: 08-Aug-2016 09:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160808-44216.b\z41810979.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: bayoumiw Date: 22-Aug-2016 18:39:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.399	1.299	0.099	99	141185	50.0	23.8	
2 N-Nitrosodimethylamine	74	1.598	1.516	0.082	84	261790	50.0	33.4	
3 Pyridine	79	1.557	1.557	0.023	19	4018	50.0	0.2937	
$ 4 2-Fluorophenol	112	2.663	2.610	0.053	96	454224	50.0	33.5	
5 Benzaldehyde	77	3.428	3.410	0.018	93	697217	100.0	60.4	
8 Aniline	93	3.545	3.545	0.011	42	15534	50.0	0.8317	7
$ 6 Phenol-d5	99	3.545	3.546	-0.001	87	519771	50.0	34.4	
7 Phenol	94	3.563	3.563	0.000	99	504511	50.0	30.5	
9 Bis(2-chloroethyl)ether	93	3.610	3.610	0.000	96	466410	50.0	37.0	
10 Benzonitrile	103	3.616	3.628	-0.012	0	951236	NC	NC	
11 2-Chlorophenol	128	3.663	3.657	0.006	97	483064	50.0	34.6	
12 n-Decane	43	3.722	3.728	-0.006	90	548033	50.0	31.2	
13 1,3-Dichlorobenzene	146	3.804	3.804	0.000	96	605969	50.0	37.0	
* 14 1,4-Dichlorobenzene-d4	152	3.863	3.857	0.006	95	428463	40.0	40.0	
15 1,4-Dichlorobenzene	146	3.881	3.881	0.000	96	612857	50.0	37.3	
16 Benzyl alcohol	108	4.022	4.028	-0.006	93	309835	50.0	43.5	
17 1,2-Dichlorobenzene	146	4.028	4.034	-0.006	95	574864	50.0	38.2	
19 2,2'-oxybis[1-chloropropan	45	4.157	4.163	-0.006	94	634122	50.0	35.6	
18 2-Methylphenol	108	4.163	4.163	0.000	84	399848	50.0	36.1	
20 N-Methylaniline	106	4.275	4.281	-0.006	0	126222	NC	NC	
22 Acetophenone	105	4.281	4.293	-0.012	94	629295	50.0	41.3	
21 N-Nitrosodi-n-propylamine	70	4.298	4.310	-0.012	90	313403	50.0	40.9	
24 4-Methylphenol	108	4.328	4.334	-0.006	95	405464	50.0	36.0	
23 3 & 4 Methylphenol	108	4.328	4.334	-0.006	97	405464	50.0	36.0	
25 Hexachloroethane	117	4.363	4.369	-0.006	92	198115	50.0	33.2	
$ 26 Nitrobenzene-d5	82	4.428	4.440	-0.012	90	467150	50.0	39.3	
27 Nitrobenzene	77	4.451	4.463	-0.012	94	470001	50.0	30.1	
28 n,n'-Dimethylaniline	120	4.457	4.469	-0.012	92	129297	50.0	6.86	
31 Isophorone	82	4.704	4.716	-0.012	98	747272	50.0	42.5	
32 2-Nitrophenol	139	4.775	4.781	-0.006	93	258278	50.0	39.8	
33 2,4-Dimethylphenol	122	4.857	4.863	-0.006	92	386815	50.0	38.5	
34 Bis(2-chloroethoxy)methane	93	4.939	4.945	-0.006	99	479297	50.0	39.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.039	5.040	-0.001	96	361309	50.0	37.7	
29 2-Toluidine	107	5.039	5.051	-0.012	32	5482		NC	
35 Benzoic acid	122	4.992	5.063	-0.071	88	48254	50.0	11.0	
37 1,2,4-Trichlorobenzene	180	5.104	5.110	-0.006	94	465901	50.0	41.0	
* 38 Naphthalene-d8	136	5.151	5.151	0.000	99	1335036	40.0	40.0	
39 Naphthalene	128	5.175	5.181	-0.006	100	1371183	50.0	40.9	
40 4-Chloroaniline	127	5.251	5.257	-0.006	96	54071	50.0	4.36	
41 Hexachlorobutadiene	225	5.316	5.322	-0.006	96	287561	50.0	42.7	
42 Caprolactam	113	5.634	5.587	0.047	91	90159	100.0	31.7	
43 4-Chloro-3-methylphenol	107	5.781	5.775	0.006	96	294187	50.0	38.1	
44 2-Methylnaphthalene	142	5.875	5.881	-0.006	86	890953	50.0	42.6	
45 1-Methylnaphthalene	142	5.975	5.975	0.000	93	818116	50.0	42.6	
46 Hexachlorocyclopentadiene	237	6.045	6.045	0.000	96	30439	50.0	4.26	
47 1,2,4,5-Tetrachlorobenzene	216	6.051	6.057	-0.006	98	424330	50.0	41.1	
48 2-tertbutyl-4-methylphenol	149	6.122	6.122	0.000	92	615015	50.0	43.3	
49 2,4,6-Trichlorophenol	196	6.181	6.181	0.000	92	236526	50.0	39.9	
50 2,4,5-Trichlorophenol	196	6.228	6.216	0.012	99	230609	50.0	38.0	
$ 51 2-Fluorobiphenyl	172	6.257	6.257	0.000	98	1037514	50.0	45.3	
52 1,1'-Biphenyl	154	6.351	6.351	0.000	96	1057448	50.0	44.2	
53 2-Chloronaphthalene	162	6.363	6.363	0.000	99	766317	50.0	42.4	
54 Phenyl ether	170	6.457	6.457	0.000	91	582160	50.0	45.1	
55 2-Nitroaniline	65	6.481	6.481	0.000	95	173622	50.0	32.3	
57 1,3-Dimethylnaphthalene	156	6.581	6.587	-0.005	94	688170	50.0	45.3	
58 Dimethyl phthalate	163	6.675	6.681	-0.006	99	805698	50.0	50.1	
59 Coumarin	146	6.675	6.681	-0.006	69	259626	50.0	52.5	
60 2,6-Dinitrotoluene	165	6.728	6.734	-0.006	94	178448	50.0	47.1	
63 Acenaphthylene	152	6.769	6.769	0.000	97	1090176	50.0	42.0	
64 3-Nitroaniline	138	6.886	6.892	-0.006	95	100882	50.0	26.6	
* 65 Acenaphthene-d10	164	6.910	6.904	0.006	93	569699	40.0	40.0	
67 Acenaphthene	154	6.939	6.945	-0.006	94	696885	50.0	43.5	
66 3,5-di-tert-butyl-4-hydrox	205	6.957	6.963	-0.006	97	846475	50.0	46.4	
68 2,4-Dinitrophenol	184	7.004	7.004	0.000	95	104820	100.0	46.0	
69 4-Nitrophenol	65	7.110	7.104	0.006	57	205153	100.0	88.2	
71 Dibenzofuran	168	7.110	7.116	-0.006	90	1003436	50.0	43.3	
70 2,4-Dinitrotoluene	165	7.128	7.128	0.000	81	215328	50.0	48.9	
61 1-Naphthylamine	143	7.145	7.157	-0.012	89	8909		NC	
62 2-Naphthylamine	143	7.192	7.157	0.035	48	3584		NC	
72 2,3,4,6-Tetrachlorophenol	232	7.251	7.251	0.000	96	170383	50.0	38.0	
73 Diethyl phthalate	149	7.375	7.375	0.000	99	722666	50.0	49.3	
74 Fluorene	166	7.451	7.451	0.000	95	791802	50.0	44.3	
75 4-Chlorophenyl phenyl ethe	204	7.457	7.463	-0.006	96	401668	50.0	44.6	
76 4-Nitroaniline	138	7.492	7.498	-0.006	87	100665	50.0	31.4	
77 4,6-Dinitro-2-methylphenol	198	7.533	7.539	-0.006	91	194152	100.0	71.9	
78 N-Nitrosodiphenylamine	169	7.580	7.586	-0.006	78	512651	50.0	42.9	
79 1,2-Diphenylhydrazine	77	7.616	7.616	0.000	96	629178	50.0	41.6	
$ 80 2,4,6-Tribromophenol	330	7.692	7.692	0.000	94	107267	50.0	41.5	
81 4-Bromophenyl phenyl ether	248	7.933	7.933	0.000	94	217102	50.0	44.0	
82 Hexachlorobenzene	284	7.998	7.998	0.000	95	226781	50.0	46.2	
83 Atrazine	200	8.133	8.128	0.005	95	292001	100.0	78.1	
84 Pentachlorophenol	266	8.204	8.204	0.000	93	187370	100.0	63.5	
85 Pentachloronitrobenzene	237	8.210	8.210	0.000	88	88032	50.0	49.9	
86 n-Octadecane	57	8.310	8.310	0.000	93	482923	50.0	41.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	721045	40.0	40.0	
88 Phenanthrene	178	8.386	8.386	0.000	98	891903	50.0	44.6	
89 Anthracene	178	8.439	8.439	0.000	99	911463	50.0	44.0	
90 Carbazole	167	8.610	8.604	0.006	96	691184	50.0	42.4	
91 Di-n-butyl phthalate	149	8.974	8.975	-0.001	100	969902	50.0	50.2	
92 Fluoranthene	202	9.557	9.551	0.006	98	799097	50.0	45.5	
94 Pyrene	202	9.769	9.769	0.000	98	768568	50.0	40.7	
95 Bisphenol-A	213	9.851	9.851	0.000	99	154799	25.0	22.4	
$ 96 Terphenyl-d14	244	9.945	9.939	0.006	99	561300	50.0	40.9	
97 Butyl benzyl phthalate	149	10.439	10.439	0.000	96	303576	50.0	45.5	
99 Carbamazepine	193	10.533	10.533	0.000	91	181694	50.0	36.8	
100 3,3'-Dichlorobenzidine	252	10.980	10.980	0.000	96	27739	50.0	5.71	
101 Benzo[a]anthracene	228	10.998	10.992	0.006	98	619336	50.0	45.1	
* 102 Chrysene-d12	240	11.010	10.998	0.012	99	467841	40.0	40.0	
103 Chrysene	228	11.033	11.033	0.000	99	552784	50.0	42.7	
104 Bis(2-ethylhexyl) phthalat	149	11.080	11.074	0.006	88	419924	50.0	47.0	
105 Di-n-octyl phthalate	149	11.851	11.851	0.000	97	647191	50.0	44.7	
106 Benzo[b]fluoranthene	252	12.274	12.268	0.006	98	568218	50.0	46.2	
107 Benzo[k]fluoranthene	252	12.310	12.304	0.006	99	525239	50.0	41.9	
108 Benzo[a]pyrene	252	12.680	12.674	0.006	98	505257	50.0	45.0	
* 109 Perylene-d12	264	12.751	12.745	0.006	99	411659	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.127	14.121	0.006	99	542313	50.0	51.9	
111 Dibenz(a,h)anthracene	278	14.157	14.151	0.005	96	547132	50.0	52.7	
112 Benzo[g,h,i]perylene	276	14.462	14.451	0.011	98	518203	50.0	47.4	
S 119 Total Cresols	1				0			72.1	
127 4,4'-DDT	235	7.251	7.151	0.100	59	5837		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00118 Amount Added: 20.00 Units: uL Run Reagent

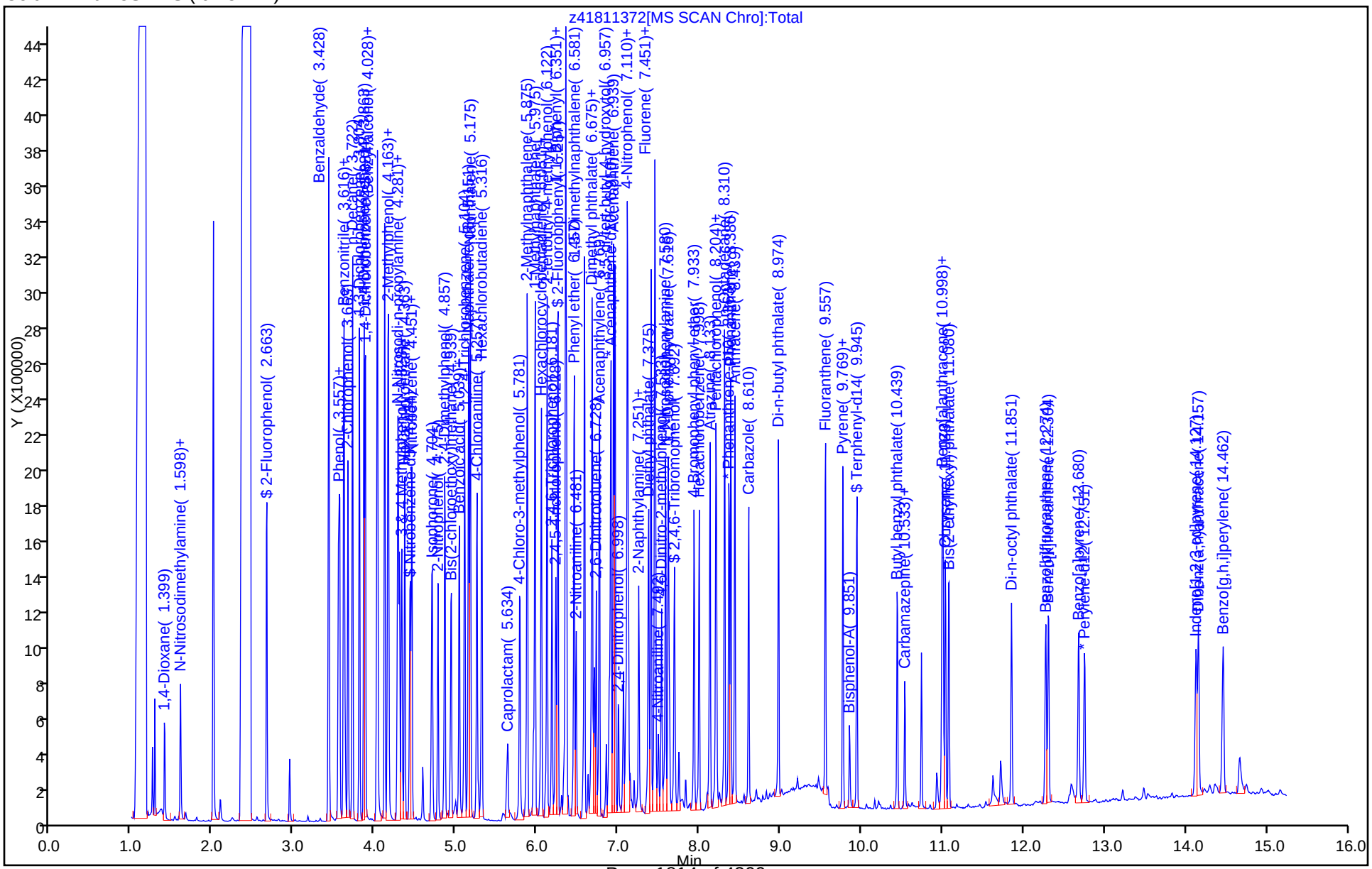
Report Date: 22-Aug-2016 18:39:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160822-44693.b\z41811372.D

Injection Date:	22-Aug-2016 13:12:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	460-118857-E-5-A MSD			Worklist Smp#:	17
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118952-F-5-B MSD

Matrix: Solid | Lab File ID: x17357.D

Analysis Method: 8270D | Date Collected: 08/17/2016 14:20

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0244(g) | Date Analyzed: 08/23/2016 11:31

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 1.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	2770		34	7.4
95-50-1	1,2-Dichlorobenzene	2660		340	11
541-73-1	1,3-Dichlorobenzene	2550		340	26
106-46-7	1,4-Dichlorobenzene	2540		340	26
108-60-1	2,2'-oxybis[1-chloropropane]	2490		340	14
121-14-2	2,4-Dinitrotoluene	3060		68	13
606-20-2	2,6-Dinitrotoluene	3080		68	18
91-58-7	2-Chloronaphthalene	2780		340	7.6
91-57-6	2-Methylnaphthalene	2820		340	7.4
88-74-4	2-Nitroaniline	2560		340	11
91-94-1	3,3'-Dichlorobenzidine	2690		140	38
99-09-2	3-Nitroaniline	2490		340	10
101-55-3	4-Bromophenyl phenyl ether	2990		340	11
106-47-8	4-Chloroaniline	1980		340	8.7
7005-72-3	4-Chlorophenyl phenyl ether	2870		340	10
100-01-6	4-Nitroaniline	2840		340	13
83-32-9	Acenaphthene	2630		340	8.1
208-96-8	Acenaphthylene	2820		340	8.7
120-12-7	Anthracene	2950		340	32
56-55-3	Benzo[a]anthracene	2990		34	28
50-32-8	Benzo[a]pyrene	3070		34	10
205-99-2	Benzo[b]fluoranthene	3130		34	13
191-24-2	Benzo[g,h,i]perylene	2600		340	19
207-08-9	Benzo[k]fluoranthene	2790		34	15
111-91-1	Bis(2-chloroethoxy)methane	2740		340	10
111-44-4	Bis(2-chloroethyl)ether	2710		34	7.9
117-81-7	Bis(2-ethylhexyl) phthalate	2880		340	13
85-68-7	Butyl benzyl phthalate	2830		340	10
86-74-8	Carbazole	2940		340	8.3
218-01-9	Chrysene	2910		340	9.2
53-70-3	Dibenz(a,h)anthracene	2570		34	18
132-64-9	Dibenzofuran	2860		340	10
84-66-2	Diethyl phthalate	2870		340	9.6
131-11-3	Dimethyl phthalate	2930		340	9.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118952-F-5-B MSD

Matrix: Solid | Lab File ID: x17357.D

Analysis Method: 8270D | Date Collected: 08/17/2016 14:20

Extract. Method: 3546 | Date Extracted: 08/22/2016 12:27

Sample wt/vol: 15.0244(g) | Date Analyzed: 08/23/2016 11:31

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 1.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386228 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
84-74-2	Di-n-butyl phthalate	2940		340	10
117-84-0	Di-n-octyl phthalate	2840		340	17
206-44-0	Fluoranthene	3030		340	10
86-73-7	Fluorene	2830		340	7.3
118-74-1	Hexachlorobenzene	3220		34	14
87-68-3	Hexachlorobutadiene	2750		68	9.5
77-47-4	Hexachlorocyclopentadiene	2600		340	21
67-72-1	Hexachloroethane	2480		34	12
193-39-5	Indeno[1,2,3-cd]pyrene	2550		34	22
78-59-1	Isophorone	2740		140	7.2
91-20-3	Naphthalene	2730		340	8.6
98-95-3	Nitrobenzene	2540		34	11
621-64-7	N-Nitrosodi-n-propylamine	2780		34	11
86-30-6	N-Nitrosodiphenylamine	2890		340	31
85-01-8	Phenanthrene	2940		340	9.0
129-00-0	Pyrene	2870		340	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	83		38-95
4165-60-0	Nitrobenzene-d5 (Surr)	76		37-94
1718-51-0	Terphenyl-d14 (Surr)	84		24-109

Report Date: 24-Aug-2016 13:30:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17357.D
Lims ID: 460-118952-F-5-B MSD
Client ID: CFMW-053a-SO-10-12
Sample Type: MSD
Inject. Date: 23-Aug-2016 11:31:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044746-009
Operator ID: Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2016 13:26:08 Calib Date: 22-Aug-2016 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160822-44713.b\x17320.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: nimerd Date: 23-Aug-2016 12:03:31

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.981	1.881	0.100	92	199985	50.0	24.2	
	2 N-Nitrosodimethylamine	74	2.193	2.122	0.071	90	415303	50.0	37.0	
	3 Pyridine	79	2.228	2.146	0.082	97	571856	50.0	28.8	
$	4 2-Fluorophenol	112	3.334	3.287	0.047	97	656243	50.0	36.2	
	5 Benzaldehyde	77	4.146	4.134	0.012	96	961138	100.0	62.0	
$	6 Phenol-d5	99	4.204	4.210	-0.006	90	817212	50.0	39.9	
	7 Phenol	94	4.222	4.228	-0.006	99	818795	50.0	39.2	
	8 Aniline	93	4.246	4.245	0.001	97	821303	50.0	30.7	
	9 Bis(2-chloroethyl)ether	93	4.310	4.310	0.000	99	669055	50.0	39.9	
	10 Benzonitrile	103	4.340	4.345	-0.005	69	1381003	NC	NC	
	11 2-Chlorophenol	128	4.375	4.369	0.006	96	675856	50.0	37.3	
	12 n-Decane	43	4.404	4.416	-0.012	88	591457	50.0	30.1	
	13 1,3-Dichlorobenzene	146	4.522	4.522	0.000	96	778882	50.0	37.6	
*	14 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	95	531717	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.587	4.592	-0.005	94	777204	50.0	37.5	
	16 Benzyl alcohol	108	4.704	4.716	-0.012	94	424433	50.0	45.7	
	17 1,2-Dichlorobenzene	146	4.740	4.745	-0.005	96	753913	50.0	39.1	
	18 2-Methylphenol	108	4.816	4.822	-0.006	91	578454	50.0	38.8	
	19 2,2'-oxybis[1-chloropropan	45	4.840	4.845	-0.005	91	741837	50.0	36.7	
	29 2-Toluidine	107	4.963	4.968	-0.005	97	1372983		NC	
	22 N-Nitrosodi-n-propylamine	70	4.975	4.987	-0.012	86	468903	50.0	41.0	
	23 3 & 4 Methylphenol	108	4.975	4.987	-0.012	80	631010	50.0	39.3	
	24 4-Methylphenol	108	4.975	4.987	-0.012	81	631010	50.0	39.3	
	21 Acetophenone	105	4.975	4.987	-0.012	95	844230	50.0	40.2	
	20 N-Methylaniline	106	4.963	5.016	-0.053	88	1015488	NC	NC	
	25 Hexachloroethane	117	5.081	5.087	-0.006	93	277407	50.0	36.5	
$	26 Nitrobenzene-d5	82	5.122	5.134	-0.012	86	719760	50.0	37.8	
	28 Nitrobenzene	77	5.146	5.157	-0.011	95	938807	50.0	37.5	
	27 n,n'-Dimethylaniline	120	5.146	5.157	-0.011	90	1079551	50.0	42.8	
	31 Isophorone	82	5.387	5.398	-0.011	99	1206750	50.0	40.4	
	32 2-Nitrophenol	139	5.463	5.469	-0.006	96	331702	50.0	35.6	
	33 2,4-Dimethylphenol	122	5.504	5.516	-0.012	93	575969	50.0	40.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.598	5.604	-0.006	98	744619	50.0	40.3	
36 2,4-Dichlorophenol	162	5.704	5.716	-0.012	97	509599	50.0	38.8	
37 1,2,4-Trichlorobenzene	180	5.793	5.798	-0.005	94	651745	50.0	40.9	
* 38 Naphthalene-d8	136	5.851	5.857	-0.006	99	1838590	40.0	40.0	
39 Naphthalene	128	5.869	5.875	-0.006	100	1939038	50.0	40.3	
40 4-Chloroaniline	127	5.922	5.934	-0.012	97	561162	50.0	29.2	
41 Hexachlorobutadiene	225	5.998	6.004	-0.006	98	374002	50.0	40.5	
42 Caprolactam	113	6.298	6.263	0.035	93	239322	100.0	63.0	
43 4-Chloro-3-methylphenol	107	6.422	6.410	0.012	96	481310	50.0	41.2	
44 2-Methylnaphthalene	142	6.563	6.569	-0.006	86	1255846	50.0	41.6	
45 1-Methylnaphthalene	142	6.663	6.669	-0.006	93	1163088	50.0	41.9	
46 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	98	368843	50.0	38.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.734	6.739	-0.005	98	608751	50.0	40.8	
48 2-tertbutyl-4-methylphenol	149	6.763	6.763	0.000	93	873086	50.0	42.3	
49 2,4,6-Trichlorophenol	196	6.851	6.851	0.000	92	342619	50.0	37.0	
50 2,4,5-Trichlorophenol	196	6.892	6.886	0.006	99	304216	50.0	33.8	
$ 51 2-Fluorobiphenyl	172	6.928	6.934	-0.006	98	1438676	50.0	41.7	
52 1,1'-Biphenyl	154	7.028	7.034	-0.006	96	1465975	50.0	41.7	
53 2-Chloronaphthalene	162	7.051	7.057	-0.006	98	1123069	50.0	40.9	
54 Phenyl ether	170	7.134	7.134	0.000	85	842275	50.0	42.8	
56 2-Nitroaniline	65	7.151	7.157	-0.006	96	348255	50.0	37.7	
57 1,3-Dimethylnaphthalene	156	7.269	7.269	0.000	94	1006863	50.0	43.4	
58 Dimethyl phthalate	163	7.334	7.339	-0.005	99	1133733	50.0	43.2	
59 Coumarin	146	7.357	7.363	-0.006	81	384566	50.0	46.9	
60 2,6-Dinitrotoluene	165	7.392	7.398	-0.006	95	270843	50.0	45.3	
61 Acenaphthylene	152	7.463	7.469	-0.006	98	1633310	50.0	41.5	
64 3-Nitroaniline	138	7.557	7.563	-0.006	98	233249	50.0	36.6	
* 65 Acenaphthene-d10	164	7.604	7.610	-0.006	93	899958	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.616	7.622	-0.006	96	1175927	50.0	42.1	
67 Acenaphthene	154	7.639	7.639	0.000	94	1018527	50.0	38.8	
68 2,4-Dinitrophenol	184	7.657	7.669	-0.012	1	763	100.0	2.81	
69 4-Nitrophenol	65	7.722	7.728	-0.006	91	260631	100.0	62.0	
70 2,4-Dinitrotoluene	165	7.787	7.792	-0.005	98	319374	50.0	45.1	
71 Dibenzofuran	168	7.804	7.810	-0.006	96	1530833	50.0	42.1	
72 2,3,4,6-Tetrachlorophenol	232	7.928	7.933	-0.005	97	182450	50.0	24.9	
73 Diethyl phthalate	149	8.028	8.033	-0.005	99	1004800	50.0	42.3	
74 4-Chlorophenyl phenyl ethe	204	8.139	8.145	-0.006	90	599681	50.0	42.3	
75 Fluorene	166	8.145	8.151	-0.006	96	1157574	50.0	41.6	
76 4-Nitroaniline	138	8.163	8.175	-0.012	89	228100	50.0	41.9	
77 4,6-Dinitro-2-methylphenol	198	8.186	8.204	-0.018	90	12033	100.0	4.52	
78 N-Nitrosodiphenylamine	169	8.257	8.263	-0.006	67	816182	50.0	42.6	
79 1,2-Diphenylhydrazine	77	8.298	8.304	-0.006	95	1098347	50.0	39.8	
63 2-Naphthylamine	143	8.451	8.385	0.066	49	289		NC	
62 1-Naphthylamine	143	8.381	8.385	-0.004	53	44093		NC	
$ 80 2,4,6-Tribromophenol	330	8.381	8.386	-0.005	92	187982	50.0	39.3	
81 4-Bromophenyl phenyl ether	248	8.622	8.628	-0.006	96	375558	50.0	44.1	
83 Hexachlorobenzene	284	8.698	8.698	0.000	94	402542	50.0	47.4	
84 Atrazine	200	8.786	8.781	0.006	96	547951	100.0	93.5	
85 Pentachlorophenol	266	8.886	8.892	-0.006	96	92734	100.0	18.1	
86 Pentachloronitrobenzene	237	8.904	8.904	0.000	92	116929	50.0	40.0	
87 n-Octadecane	57	8.951	8.957	-0.006	92	666602	50.0	41.5	
* 88 Phenanthrene-d10	188	9.069	9.075	-0.006	98	1176737	40.0	40.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	9.092	9.098	-0.006	97	1438770	50.0	43.4	
90 Anthracene	178	9.145	9.151	-0.006	99	1484415	50.0	43.5	
91 Carbazole	167	9.298	9.298	0.000	95	1176666	50.0	43.3	
92 Di-n-butyl phthalate	149	9.633	9.633	0.000	100	1360397	50.0	43.3	
93 Fluoranthene	202	10.269	10.269	0.000	98	1279037	50.0	44.7	
94 Benzidine	184	10.392	10.398	-0.006	99	177166	50.0	15.3	
95 Pyrene	202	10.504	10.504	0.000	98	1242622	50.0	42.3	
82 Bisphenol-A	213	10.545	10.545	0.000	99	171021	25.0	33.0	
$ 96 Terphenyl-d14	244	10.657	10.657	0.000	100	937862	50.0	41.8	
97 Butyl benzyl phthalate	149	11.198	11.198	0.000	97	426559	50.0	41.8	
99 Carbamazepine	193	11.333	11.339	-0.006	92	298159	50.0	43.3	
100 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	98	268467	50.0	39.7	
101 Benzo[a]anthracene	228	11.886	11.892	-0.006	98	916875	50.0	44.1	
* 102 Chrysene-d12	240	11.904	11.904	0.000	99	737422	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	89	588352	50.0	42.4	
103 Chrysene	228	11.933	11.939	-0.006	99	848503	50.0	42.9	
105 Di-n-octyl phthalate	149	12.804	12.804	0.000	97	851001	50.0	41.8	
106 Benzo[b]fluoranthene	252	13.345	13.345	0.000	99	743681	50.0	46.2	
107 Benzo[k]fluoranthene	252	13.380	13.386	-0.006	99	747986	50.0	41.1	
108 Benzo[a]pyrene	252	13.804	13.804	0.000	98	654582	50.0	45.3	
* 109 Perylene-d12	264	13.880	13.880	0.000	99	577173	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.510	15.515	-0.005	99	489742	50.0	37.5	
111 Dibenz(a,h)anthracene	278	15.545	15.551	-0.006	98	514023	50.0	37.8	
112 Benzo[g,h,i]perylene	276	15.974	15.980	-0.006	99	485386	50.0	38.3	
S 119 Total Cresols	1				0			78.1	
126 4,4'-DDD	235	7.928	7.875	0.053	54	6234		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00119 Amount Added: 20.00 Units: uL Run Reagent

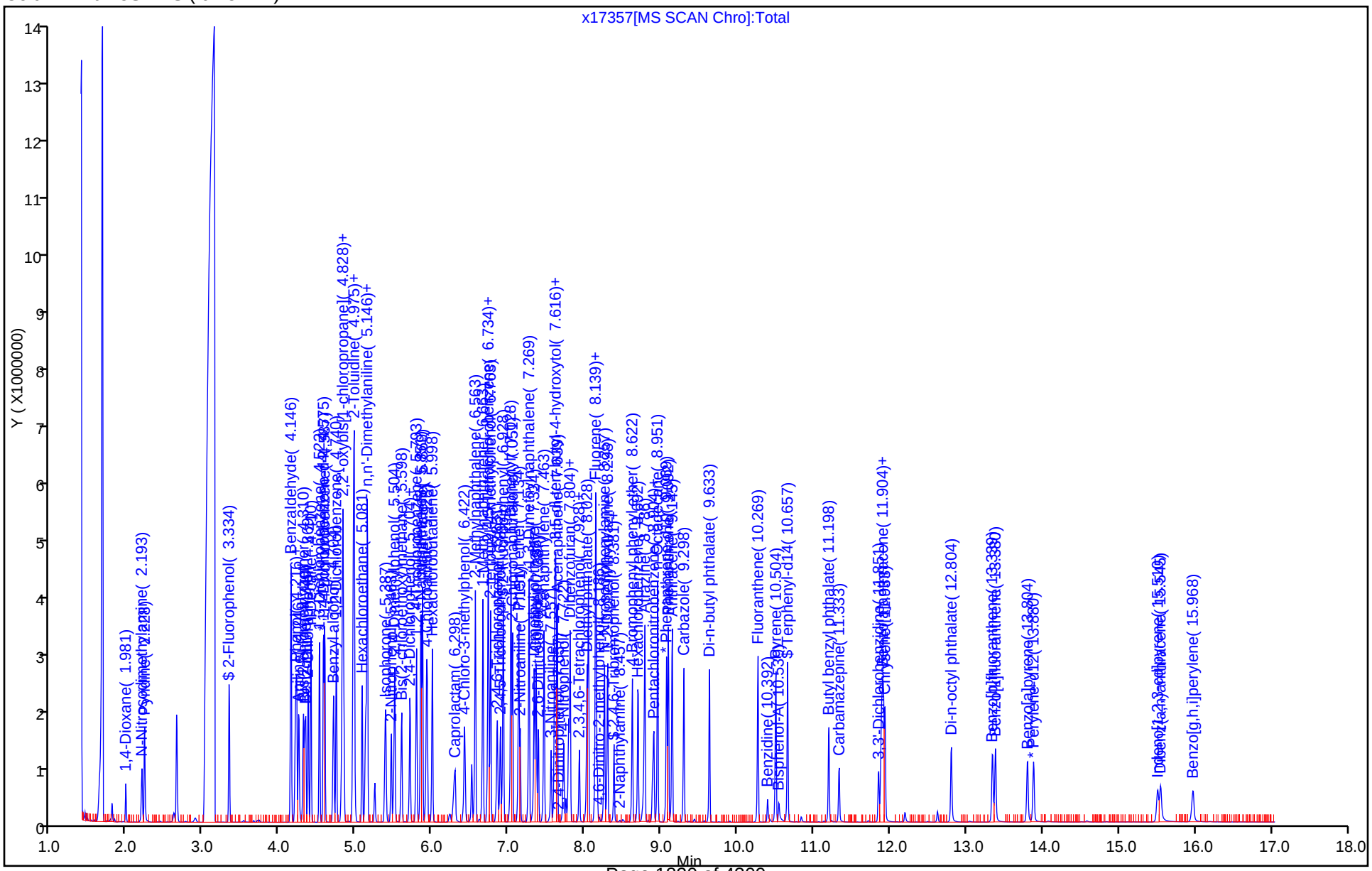
Report Date: 24-Aug-2016 13:30:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160823-44746.b\x17357.D

Injection Date:	23-Aug-2016 11:31:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-118952-F-5-B MSD			Worklist Smp#:	9
Client ID:	CFMW-053a-SO-10-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS11 Start Date: 08/08/2016 06:29

Analysis Batch Number: 383552 End Date: 08/08/2016 17:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-383552/1		08/08/2016 06:29	1	z41810970.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-383552/2		08/08/2016 06:43	1	z41810971.D	Rtxi-5Sil MS 0.25(mm)
STD120 460-383552/3 IC		08/08/2016 07:11	1	z41810972.D	Rtxi-5Sil MS 0.25(mm)
STD80 460-383552/4 IC		08/08/2016 07:35	1	z41810973.D	Rtxi-5Sil MS 0.25(mm)
STD20 460-383552/5 IC		08/08/2016 07:59	1	z41810974.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-383552/6 IC		08/08/2016 08:23	1	z41810975.D	Rtxi-5Sil MS 0.25(mm)
STD5 460-383552/7 IC		08/08/2016 08:47	1	z41810976.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-383552/8 IC		08/08/2016 09:11	1	z41810977.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-383552/9 IC		08/08/2016 09:35	1	z41810978.D	Rtxi-5Sil MS 0.25(mm)
STD05 460-383552/10 IC		08/08/2016 09:59	1	z41810979.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-383552/11		08/08/2016 10:24	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-383552/12		08/08/2016 10:48	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 11:18	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 11:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 12:06	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 12:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 12:54	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 13:18	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 13:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 14:06	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 14:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 14:54	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 15:18	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 15:42	5		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 16:06	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 16:30	2		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 16:54	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/08/2016 17:18	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS11 Start Date: 08/22/2016 07:09

Analysis Batch Number: 385995 End Date: 08/22/2016 18:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-385995/1		08/22/2016 07:09	1	z41811356.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-385995/2		08/22/2016 07:24	1	z41811357.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-385995/3		08/22/2016 07:48	1		Rtxi-5Sil MS 0.25(mm)
MB 460-385919/1-A		08/22/2016 08:59	1	z41811361.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-385919/2-A		08/22/2016 09:23	1	z41811362.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 09:47	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 10:11	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 10:34	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 10:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 11:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 11:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 12:07	1		Rtxi-5Sil MS 0.25(mm)
460-118857-5		08/22/2016 12:28	1	z41811370.D	Rtxi-5Sil MS 0.25(mm)
460-118857-5 MS		08/22/2016 12:50	1	z41811371.D	Rtxi-5Sil MS 0.25(mm)
460-118857-5 MSD		08/22/2016 13:12	1	z41811372.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 13:33	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 13:55	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 14:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 14:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 15:00	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 15:21	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 15:43	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 16:05	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 16:26	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 16:48	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 17:09	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 17:31	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 17:53	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/22/2016 18:14	2		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS11 Start Date: 08/24/2016 06:48

Analysis Batch Number: 386446 End Date: 08/24/2016 17:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-386446/1		08/24/2016 06:48	1	z41811425.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-386446/2		08/24/2016 07:03	1	z41811426.D	Rtxi-5Sil MS 0.25(mm)
STD120 460-386446/3 IC		08/24/2016 07:25	1	z41811427.D	Rtxi-5Sil MS 0.25(mm)
STD80 460-386446/4 IC		08/24/2016 07:47	1	z41811428.D	Rtxi-5Sil MS 0.25(mm)
STD20 460-386446/5 IC		08/24/2016 08:09	1	z41811429.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-386446/6 IC		08/24/2016 08:30	1	z41811430.D	Rtxi-5Sil MS 0.25(mm)
STD5 460-386446/7 IC		08/24/2016 08:52	1	z41811431.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-386446/8 IC		08/24/2016 09:13	1	z41811432.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-386446/9 IC		08/24/2016 09:35	1	z41811433.D	Rtxi-5Sil MS 0.25(mm)
STD05 460-386446/10 IC		08/24/2016 10:00	1	z41811434.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-386446/11		08/24/2016 10:24	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-386446/12		08/24/2016 10:48	1	z41811436.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 11:13	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 11:34	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 11:56	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 12:39	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 13:01	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 13:22	10		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 14:06	2		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 14:27	5		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 15:11	5		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 15:33	10		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 15:54	1		Rtxi-5Sil MS 0.25(mm)
460-118926-4		08/24/2016 16:16	1	z41811451.D	Rtxi-5Sil MS 0.25(mm)
460-118926-5		08/24/2016 16:38	1	z41811452.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 17:00	2		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 17:21	5		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS12 Start Date: 08/12/2016 12:11

Analysis Batch Number: 384521 End Date: 08/12/2016 22:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-384521/1		08/12/2016 12:11	1	L1357558b.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-384521/2		08/12/2016 12:30	1	L1357559.D	Rtxi-5Sil MS 0.25(mm)
STD120 460-384521/3 IC		08/12/2016 13:06	1	L1357560.D	Rtxi-5Sil MS 0.25(mm)
STD80 460-384521/4 IC		08/12/2016 13:31	1	L1357561.D	Rtxi-5Sil MS 0.25(mm)
STD20 460-384521/5 IC		08/12/2016 13:56	1	L1357562.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-384521/6 IC		08/12/2016 14:21	1	L1357563.D	Rtxi-5Sil MS 0.25(mm)
STD5 460-384521/7 IC		08/12/2016 14:46	1	L1357564.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-384521/8 IC		08/12/2016 15:11	1	L1357565.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-384521/9 IC		08/12/2016 15:36	1	L1357566.D	Rtxi-5Sil MS 0.25(mm)
STD05 460-384521/10 IC		08/12/2016 16:00	1	L1357567.D	Rtxi-5Sil MS 0.25(mm)
STD50 460-384521/11 CCV		08/12/2016 16:26	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-384521/12		08/12/2016 16:51	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 17:53	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 18:18	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 18:43	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 19:08	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 19:33	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 19:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 20:23	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 20:48	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 21:13	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 21:37	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 22:02	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/12/2016 22:27	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS12 Start Date: 08/23/2016 07:06

Analysis Batch Number: 386190 End Date: 08/23/2016 18:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-386190/1		08/23/2016 07:06	1	L1357797.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-386190/2		08/23/2016 07:24	1	L1357798.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-386190/3		08/23/2016 07:54	1		Rtxi-5Sil MS 0.25(mm)
460-118857-1		08/23/2016 09:57	1	L1357803.D	Rtxi-5Sil MS 0.25(mm)
460-118857-2		08/23/2016 10:22	1	L1357804.D	Rtxi-5Sil MS 0.25(mm)
460-118857-4		08/23/2016 10:46	1	L1357805.D	Rtxi-5Sil MS 0.25(mm)
460-118857-6		08/23/2016 11:11	1	L1357806.D	Rtxi-5Sil MS 0.25(mm)
460-118857-7		08/23/2016 11:35	1	L1357807.D	Rtxi-5Sil MS 0.25(mm)
460-118857-10		08/23/2016 12:00	1	L1357808.D	Rtxi-5Sil MS 0.25(mm)
460-118857-11		08/23/2016 12:25	1	L1357809.D	Rtxi-5Sil MS 0.25(mm)
460-118857-13		08/23/2016 12:49	1	L1357810.D	Rtxi-5Sil MS 0.25(mm)
460-118857-14		08/23/2016 13:14	1	L1357811.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 13:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 14:02	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 14:27	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 14:51	1		Rtxi-5Sil MS 0.25(mm)
460-118857-3		08/23/2016 15:16	1	L1357816.D	Rtxi-5Sil MS 0.25(mm)
460-118857-12		08/23/2016 15:40	1	L1357817.D	Rtxi-5Sil MS 0.25(mm)
460-118857-9		08/23/2016 16:05	1	L1357818.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 16:54	20		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 17:19	2		Rtxi-5Sil MS 0.25(mm)
460-118857-8		08/23/2016 17:43	1	L1357822.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 18:08	5		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS5 Start Date: 08/22/2016 11:54

Analysis Batch Number: 386065 End Date: 08/22/2016 19:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-386065/1		08/22/2016 11:54	1	x17304.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-386065/2		08/22/2016 12:18	1	x17305.D	Rtxi-5Sil MS 0.25(mm)
STD120 460-386065/3 IC		08/22/2016 13:00	1	x17306.D	Rtxi-5Sil MS 0.25(mm)
STD80 460-386065/4 IC		08/22/2016 13:24	1	x17307.D	Rtxi-5Sil MS 0.25(mm)
STD20 460-386065/5 IC		08/22/2016 13:48	1	x17308.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-386065/6 IC		08/22/2016 14:12	1	x17309.D	Rtxi-5Sil MS 0.25(mm)
STD5 460-386065/7 IC		08/22/2016 14:37	1	x17310.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-386065/8 IC		08/22/2016 15:01	1	x17311.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-386065/9 IC		08/22/2016 15:25	1	x17312.D	Rtxi-5Sil MS 0.25(mm)
STD05 460-386065/10 IC		08/22/2016 15:49	1	x17313.D	Rtxi-5Sil MS 0.25(mm)
STD50 460-386065/11 IC		08/22/2016 16:13	1		Rtxi-5Sil MS 0.25(mm)
STD120 460-386065/12 IC		08/22/2016 16:37	1		Rtxi-5Sil MS 0.25(mm)
STD80 460-386065/13 IC		08/22/2016 17:02	1		Rtxi-5Sil MS 0.25(mm)
STD20 460-386065/14 IC		08/22/2016 17:26	1		Rtxi-5Sil MS 0.25(mm)
STD10 460-386065/15 IC		08/22/2016 17:50	1		Rtxi-5Sil MS 0.25(mm)
STD5 460-386065/16 IC		08/22/2016 18:14	1		Rtxi-5Sil MS 0.25(mm)
STD2 460-386065/17 IC		08/22/2016 18:38	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-386065/18		08/22/2016 19:03	1	x17321.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-386065/19		08/22/2016 19:27	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS5 Start Date: 08/23/2016 08:28

Analysis Batch Number: 386228 End Date: 08/23/2016 17:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-386228/1		08/23/2016 08:28	1	x17349.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-386228/2		08/23/2016 08:45	1	x17350.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-386228/3		08/23/2016 09:10	1		Rtxi-5Sil MS 0.25(mm)
MB 460-386078/1-A		08/23/2016 09:36	1	x17352.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-386078/2-A		08/23/2016 09:59	1	x17353.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-386078/3-A		08/23/2016 10:22	1	x17354.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 10:45	1		Rtxi-5Sil MS 0.25(mm)
460-118952-G-5-F MS		08/23/2016 11:08	1	x17356.D	Rtxi-5Sil MS 0.25(mm)
460-118952-F-5-B MSD		08/23/2016 11:31	1	x17357.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 11:54	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 12:18	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 12:41	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 13:04	1		Rtxi-5Sil MS 0.25(mm)
460-118926-6		08/23/2016 13:27	1	x17362.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 13:50	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 14:13	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 14:36	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 14:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 15:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 15:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 16:08	1		Rtxi-5Sil MS 0.25(mm)
460-118926-1		08/23/2016 16:31	1	x17370.D	Rtxi-5Sil MS 0.25(mm)
460-118926-2		08/23/2016 16:55	1	x17371.D	Rtxi-5Sil MS 0.25(mm)
460-118926-3		08/23/2016 17:18	1	x17372.D	Rtxi-5Sil MS 0.25(mm)
460-118926-7		08/23/2016 17:41	1	x17373.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS6 Start Date: 08/23/2016 09:32

Analysis Batch Number: 386253 End Date: 08/23/2016 13:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-386253/1		08/23/2016 09:32	1	M231612.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-386253/2		08/23/2016 10:18	1	M231613.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-386253/3 IC		08/23/2016 10:42	1	M231614.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-386253/4 IC		08/23/2016 11:01	1	M231615.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-386253/5 IC		08/23/2016 11:21	1	M231616.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-386253/6 IC		08/23/2016 11:40	1	M231617.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-386253/7 IC		08/23/2016 12:00	1	M231618.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-386253/8 IC		08/23/2016 12:20	1	M231619.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-386253/9 IC		08/23/2016 12:39	1	M231620.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-386253/10		08/23/2016 13:17	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-386253/11		08/23/2016 13:38	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS6 Start Date: 08/23/2016 18:49

Analysis Batch Number: 386360 End Date: 08/24/2016 05:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-386360/1		08/23/2016 18:49	1	M231636.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-386360/2		08/23/2016 19:04	1	M231637.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-386360/3		08/23/2016 19:28	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/23/2016 23:43	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 00:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 00:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 01:01	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 01:21	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 01:40	1		Rtxi-5Sil MS 0.25(mm)
MB 460-385924/1-A		08/24/2016 02:00	1	M231658.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-385924/3-A		08/24/2016 02:39	1	M231660.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 02:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 03:18	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 03:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 04:17	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 04:37	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 04:56	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 05:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 05:35	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 05:55	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CBNAMS6 Start Date: 08/24/2016 07:23

Analysis Batch Number: 386455 End Date: 08/24/2016 18:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-386455/1		08/24/2016 07:23	1	M231672.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-386455/2		08/24/2016 07:40	1	M231673.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-386455/3		08/24/2016 08:04	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 08:30	1		Rtxi-5Sil MS 0.25(mm)
LCS 460-385924/2-A		08/24/2016 09:49	1	M231679.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 11:07	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 12:06	1		Rtxi-5Sil MS 0.25(mm)
460-118926-8		08/24/2016 12:26	1	M231687.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 13:05	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 13:25	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 13:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 14:24	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 14:43	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 15:03	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 15:23	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 15:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 16:02	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 16:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 16:43	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 17:03	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 17:29	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 17:49	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 18:08	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 18:28	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/24/2016 18:59	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385919 Batch Start Date: 08/20/16 12:40 Batch Analyst: Barthelus, Guyrlande R

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00003	OP_BNA SPIK 00021	OP_BNASurroga 00010	
MB 460-385919/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-385919/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
460-118857-F-5 MS	SB-8 (2-4) 08182016	3546, 8270D	T	15.0496 g	1 mL	50 uL	500 uL	500 uL	
460-118857-E-5 MSD	SB-8 (2-4) 08182016	3546, 8270D	T	15.0115 g	1 mL	50 uL	500 uL	500 uL	
460-118857-F-5	SB-8 (2-4) 08182016	3546, 8270D	T	15.0167 g	1 mL			500 uL	
460-118857-F-1	SB-10 (2-4) 08182016	3546, 8270D	T	15.0488 g	1 mL			500 uL	
460-118857-F-2	SB-10 (13-15) 08182016	3546, 8270D	T	15.0233 g	1 mL			500 uL	
460-118857-E-3	SB-9 (2-4) 08182016	3546, 8270D	T	15.0475 g	1 mL			500 uL	
460-118857-E-4	SB-9 (12-14) 08182016	3546, 8270D	T	15.0304 g	1 mL			500 uL	
460-118857-E-6	SB-8 (13-15) 08182016	3546, 8270D	T	15.0357 g	1 mL			500 uL	
460-118857-F-7	SB-4 (3-5) 08182016	3546, 8270D	T	15.0159 g	1 mL			500 uL	
460-118857-F-8	SB-4 (11-13) 08182016	3546, 8270D	T	15.0355 g	1 mL			500 uL	
460-118857-F-9	SB-6 (2-4) 08182016	3546, 8270D	T	15.0369 g	1 mL			500 uL	
460-118857-F-10	SB-6 (13-15) 08182016	3546, 8270D	T	15.0228 g	1 mL			500 uL	
460-118857-F-11	SB-5 (2-4) 08182016	3546, 8270D	T	15.0297 g	1 mL			500 uL	
460-118857-E-12	SB-5 (13-15) 08182016	3546, 8270D	T	15.0199 g	1 mL			500 uL	
460-118857-F-13	SB-7 (2-4) 08182016	3546, 8270D	T	15.0298 g	1 mL			500 uL	
460-118857-F-14	SB-7 (13-15) 08182016	3546, 8270D	T	15.0165 g	1 mL			500 uL	

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385919 Batch Start Date: 08/20/16 12:40 Batch Analyst: Barthelus, Guyrlande R

Batch Method: 3546 Batch End Date:

Batch Notes	
Balance ID	A1
Batch Comment	BNA SOIL 8270D
Final Concentrator Volume	1 mL
MeCl2 / Acetone ID	140899
Microwave Start Time	1100
Microwave Stop Time	1130
Na2SO4 ID	523501 (SILICA SAND LOT #132456)
Person's name who did the prep	GB
Analyst ID - Spike Analyst	GB
Water Bath Temperature	38C (38C UNCORRECTED)

Basis	Basis Description
T	Total/NA

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385924 Batch Start Date: 08/20/16 13:47 Batch Analyst: Romano, Alfredo F

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP_BNA SPIK 00021
MB 460-385924/1		3510C, 8270D		7 SU	250 mL	2 mL	<2 SU	>12 SU	
LCS 460-385924/2		3510C, 8270D		7 SU	250 mL	2 mL	<2 SU	>12 SU	200 uL
LCSD 460-385924/3		3510C, 8270D		7 SU	250 mL	2 mL	<2 SU	>12 SU	200 uL
460-118926-F-8	FB08192016	3510C, 8270D	T	5 SU	230 mL	2 mL	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNASurroga 00010					
MB 460-385924/1		3510C, 8270D		200 uL					
LCS 460-385924/2		3510C, 8270D		200 uL					
LCSD 460-385924/3		3510C, 8270D		200 uL					
460-118926-F-8	FB08192016	3510C, 8270D	T	200 uL					

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid Used for pH Adjustment ID	143508
Base used for pH adjustment	NaOH
Base Used to Adjust pH ID	OP1831
Batch Comment	3510C LVI 8270D, SPLP, TCLP
Analyst ID - Concentration	AR
N-evap ID	222299
N-evap Temperature	35 Degrees C
Na2SO4 ID	523501
Prep Solvent ID	148004
Prep Solvent Name	MECL2
Prep Solvent Volume Used	120 mL
Person's name who did the prep	AR
Analyst ID - Reagent Drop Witness	AR
Uncorrected N-evap Temperature	35 Degrees C

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385924 Batch Start Date: 08/20/16 13:47 Batch Analyst: Romano, Alfredo F

Batch Method: 3510C Batch End Date:

Basis	Basis Description
T	Total/NA

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386078 Batch Start Date: 08/22/16 12:26 Batch Analyst: DeLeaon, Royce A

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00003	OP_BNA SPIK 00021	OP_BNASurroga 00010	
MB 460-386078/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-386078/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
LCS 460-386078/3		3546, 8270D		15.0000 g	1 mL	50 uL		500 uL	
460-118952-G-5 MS		3546, 8270D	T	15.0235 g	1 mL	50 uL	500 uL	500 uL	
460-118952-F-5 MSD		3546, 8270D	T	15.0244 g	1 mL	50 uL	500 uL	500 uL	
460-118926-F-1	SB-1(2-4) -08192016	3546, 8270D	T	15.0249 g	1 mL			500 uL	
460-118926-F-2	SB-1(12-14) -08192016	3546, 8270D	T	15.0289 g	1 mL			500 uL	
460-118926-E-3	SB-2(2-4)08192016	3546, 8270D	T	15.0245 g	1 mL			500 uL	
460-118926-E-4	SB-2(10-12)08192016	3546, 8270D	T	15.0236 g	1 mL			500 uL	
460-118926-E-5	SB-3(2-4)08192016	3546, 8270D	T	15.0222 g	1 mL			500 uL	
460-118926-E-6	SB-3(13-15)08192016	3546, 8270D	T	15.0257 g	1 mL			500 uL	
460-118926-E-7	SB-X08192016	3546, 8270D	T	15.0238 g	1 mL			500 uL	

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D
Final Concentrator Volume	1 mL
MeCL2 ID	148004
MeCl2 / Acetone ID	140899
Na2SO4 ID	523501 (SILICA SAND LOT#132456)
Person's name who did the prep	RD
Analyst ID - Spike Analyst	RD
Analyst ID - Spike Witness Analyst	RD
Water Bath Temperature	38C (38C UNCORRECTED)

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386078 Batch Start Date: 08/22/16 12:26 Batch Analyst: DeLeaon, Royce A

Batch Method: 3546 Batch End Date:

Basis	Basis Description
T	Total/NA

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

8082A

Polychlorinated Biphenyls (PCBs) by Gas Chromatography

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCBP1 #	DCBP2 #
SB-10 (2-4) 08182016	460-118857-1	101	111
SB-10 (13-15) 08182016	460-118857-2	107	101
SB-9 (2-4) 08182016	460-118857-3	130	123
SB-9 (12-14) 08182016	460-118857-4	109	99
SB-8 (2-4) 08182016	460-118857-5	129	124
SB-8 (13-15) 08182016	460-118857-6	116	111
SB-4 (3-5) 08182016	460-118857-7	121	118
SB-4 (11-13) 08182016	460-118857-8	120	112
SB-6 (2-4) 08182016	460-118857-9	123	113
SB-6 (13-15) 08182016	460-118857-10	110	103
SB-5 (2-4) 08182016	460-118857-11	124	111
SB-5 (13-15) 08182016	460-118857-12	126	117
SB-7 (2-4) 08182016	460-118857-13	126	120
SB-7 (13-15) 08182016	460-118857-14	116	108
SB-1(2-4)-08192016	460-118926-1	110	124
SB-1(12-14) -08192016	460-118926-2	125	149
SB-2(2-4)08192016	460-118926-3	149	146
SB-2(10-12)08192016	460-118926-4	116	150
SB-3(2-4)08192016	460-118926-5	118	148
SB-3(13-15)08192016	460-118926-6	122	147
SB-X08192016	460-118926-7	113	145
	MB 460-386173/1-A	131	117
	MB 460-386175/1-A	116	124
	LCS 460-386173/2-A	118	107
	LCS 460-386175/2-A	117	119

	QC LIMITS
DCBP = DCB Decachlorobiphenyl	35-150

Column to be used to flag recovery values

FORM II 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCBP1 #	DCBP2 #
SB-8 (2-4) 08182016 MS	460-118857-5 MS	129	118
	460-118952-E-5-A MS	149	126
SB-8 (2-4) 08182016 MSD	460-118857-5 MSD	113	103
	460-118952-D-5-C MSD	136	131

	QC LIMITS
DCBP = DCB Decachlorobiphenyl	35-150

Column to be used to flag recovery values

FORM II 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCBP1 #	DCBP2 #
FB08192016	460-118926-8	85	104
	MB 460-386152/1-A	114	119
	LCS 460-386152/2-A	116	121
	460-118778-K-10-A MS	108	138
	460-118778-J-10-C MSD	119	158 *

	QC LIMITS
DCBP = DCB Decachlorobiphenyl	10-150

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 8F013520.D

Lab ID: LCS 460-386152/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	4.00	4.83	121	77-150	
Aroclor 1016	4.00	4.54	114	77-150	
Aroclor 1260	4.00	5.43	136	80-150	
Aroclor 1260	4.00	4.92	123	80-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: T1332071.D

Lab ID: LCS 460-386173/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	333	375	112	77-150	
Aroclor 1016	333	415	125	77-150	
Aroclor 1260	333	379	114	79-150	
Aroclor 1260	333	412	124	79-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 8F013540.D

Lab ID: LCS 460-386175/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	333	432	130	77-150	
Aroclor 1016	333	384	115	77-150	
Aroclor 1260	333	440	132	79-150	
Aroclor 1260	333	398	119	79-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: T1332074.D

Lab ID: 460-118857-5 MS Client ID: SB-8 (2-4) 08182016 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor 1016	351	71 U	421	120	77-150	
Aroclor 1016	351	71 U	470	134	77-150	
Aroclor 1260	351	71 U	427	122	79-150	
Aroclor 1260	351	71 U	470	134	79-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 8F013522.D

Lab ID: 460-118778-K-10-A MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aroclor 1016	4.00	0.40 U	5.35	134	77-150	
Aroclor 1016	4.00	0.40 U	3.97	99	77-150	
Aroclor 1260	4.00	0.40 U	5.98	150	80-150	
Aroclor 1260	4.00	0.40 U	4.40	110	80-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 8F013542.D

Lab ID: 460-118952-E-5-A MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor 1016	340	68 U	517	152	77-150	*
Aroclor 1016	340	68 U	508	150	77-150	
Aroclor 1260	340	68 U	483	142	79-150	
Aroclor 1260	340	68 U	504	148	79-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: T1332075.D

Lab ID: 460-118857-5 MSD Client ID: SB-8 (2-4) 08182016 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	351	377	107	11	30	77-150	
Aroclor 1016	351	407	116	14	30	77-150	
Aroclor 1260	351	379	108	12	30	79-150	
Aroclor 1260	351	412	118	13	30	79-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 8F013523.D

Lab ID: 460-118778-J-10-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	4.00	5.88	147	9	30	77-150	
Aroclor 1016	4.00	4.10	102	3	30	77-150	
Aroclor 1260	4.00	6.95	174	15	30	80-150	*
Aroclor 1260	4.00	4.78	120	8	30	80-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 8F013543.D

Lab ID: 460-118952-D-5-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	340	562	166	8	30	77-150	*
Aroclor 1016	340	454	134	11	30	77-150	
Aroclor 1260	340	495	146	2	30	79-150	
Aroclor 1260	340	468	138	3	30	79-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: MB 460-386152/1-A

Matrix: Water Date Extracted: 08/22/2016 19:33

Lab File ID:(1) 8F013519.D Lab File ID:(2) 8F013519.D

Date Analyzed:(1) 08/23/2016 07:59 Date Analyzed:(2) 08/23/2016 07:59

Instrument ID:(1) CPESTGC8 Instrument ID:(2) CPESTGC8

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-386152/2-A	08/23/2016 08:15	08/23/2016 08:15
	460-118778-K-10-A MS	08/23/2016 08:46	08/23/2016 08:46
	460-118778-J-10-C MSD	08/23/2016 09:02	08/23/2016 09:02
FB08192016	460-118926-8	08/23/2016 11:09	08/23/2016 11:09

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: MB 460-386173/1-A

Matrix: Solid Date Extracted: 08/22/2016 22:48

Lab File ID:(1) T1332070.D Lab File ID:(2) T1332070.D

Date Analyzed:(1) 08/23/2016 14:37 Date Analyzed:(2) 08/23/2016 14:37

Instrument ID:(1) CPESTGC11 Instrument ID:(2) CPESTGC11

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-386173/2-A	08/23/2016 14:52	08/23/2016 14:52
SB-8 (2-4) 08182016	460-118857-5	08/23/2016 15:07	08/23/2016 15:07
SB-8 (2-4) 08182016 MS	460-118857-5 MS	08/23/2016 15:38	08/23/2016 15:38
SB-8 (2-4) 08182016 MSD	460-118857-5 MSD	08/23/2016 15:53	08/23/2016 15:53
SB-10 (2-4) 08182016	460-118857-1	08/23/2016 16:08	08/23/2016 16:08
SB-10 (13-15) 08182016	460-118857-2	08/23/2016 16:23	08/23/2016 16:23
SB-9 (2-4) 08182016	460-118857-3	08/23/2016 16:38	08/23/2016 16:38
SB-9 (12-14) 08182016	460-118857-4	08/23/2016 16:53	08/23/2016 16:53
SB-8 (13-15) 08182016	460-118857-6	08/23/2016 17:08	08/23/2016 17:08
SB-4 (3-5) 08182016	460-118857-7	08/23/2016 17:23	08/23/2016 17:23
SB-4 (11-13) 08182016	460-118857-8	08/23/2016 17:38	08/23/2016 17:38
SB-6 (2-4) 08182016	460-118857-9	08/23/2016 17:52	08/23/2016 17:52
SB-6 (13-15) 08182016	460-118857-10	08/23/2016 18:07	08/23/2016 18:07
SB-5 (2-4) 08182016	460-118857-11	08/23/2016 18:22	08/23/2016 18:22
SB-5 (13-15) 08182016	460-118857-12	08/23/2016 18:37	08/23/2016 18:37
SB-7 (2-4) 08182016	460-118857-13	08/23/2016 18:52	08/23/2016 18:52
SB-7 (13-15) 08182016	460-118857-14	08/23/2016 19:07	08/23/2016 19:07

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: MB 460-386175/1-A

Matrix: Solid Date Extracted: 08/22/2016 22:55

Lab File ID:(1) 8F013539.D Lab File ID:(2) 8F013539.D

Date Analyzed:(1) 08/23/2016 13:35 Date Analyzed:(2) 08/23/2016 13:35

Instrument ID:(1) CPESTGC8 Instrument ID:(2) CPESTGC8

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-386175/2-A	08/23/2016 13:51	08/23/2016 13:51
	460-118952-E-5-A MS	08/23/2016 14:31	08/23/2016 14:31
	460-118952-D-5-C MSD	08/23/2016 14:46	08/23/2016 14:46
SB-1(2-4)-08192016	460-118926-1	08/23/2016 15:02	08/23/2016 15:02
SB-1(12-14)-08192016	460-118926-2	08/23/2016 15:50	08/23/2016 15:50
SB-2(2-4)08192016	460-118926-3	08/23/2016 16:06	08/23/2016 16:06
SB-2(10-12)08192016	460-118926-4	08/23/2016 16:22	08/23/2016 16:22
SB-3(2-4)08192016	460-118926-5	08/23/2016 16:38	08/23/2016 16:38
SB-3(13-15)08192016	460-118926-6	08/23/2016 16:54	08/23/2016 16:54
SB-X08192016	460-118926-7	08/23/2016 17:10	08/23/2016 17:10

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: IC 460-374290/4 Date Analyzed: 06/17/2016 17:18

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): T1329659.D Heated Purge: (Y/N) N

Calibration ID: 56313

		DCBP					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION SURROGATE		171272113	10.54				
UPPER LIMIT			10.61				
LOWER LIMIT			10.47				
LAB SAMPLE ID	CLIENT SAMPLE ID						

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: IC 460-374290/4 Date Analyzed: 06/17/2016 17:18

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): T1329659.D Heated Purge: (Y/N) N

Calibration ID: 56314

		DCBP					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION SURROGATE		200322733	9.07				
UPPER LIMIT			9.14				
LOWER LIMIT			9.00				
LAB SAMPLE ID	CLIENT SAMPLE ID						

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386327/2 Date Analyzed: 08/23/2016 14:15

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): T1332069.D Heated Purge: (Y/N) N

Calibration ID: 56355

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		40354504	1.52				
UPPER LIMIT		80709008	1.59				
LOWER LIMIT		20177252	1.45				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-386173/1-A		39312406	1.52				
LCS 460-386173/2-A		41834153	1.52				
460-118857-5	SB-8 (2-4) 08182016	39667187	1.52				
460-118857-5 MS	SB-8 (2-4) 08182016 MS	40368172	1.52				
460-118857-5 MSD	SB-8 (2-4) 08182016 MSD	41245029	1.52				
460-118857-1	SB-10 (2-4) 08182016	39038027	1.52				
460-118857-2	SB-10 (13-15) 08182016	41277735	1.52				
460-118857-3	SB-9 (2-4) 08182016	38511951	1.52				
460-118857-4	SB-9 (12-14) 08182016	43208028	1.52				
460-118857-6	SB-8 (13-15) 08182016	38673660	1.52				
460-118857-7	SB-4 (3-5) 08182016	37316271	1.52				
460-118857-8	SB-4 (11-13) 08182016	41604832	1.52				
460-118857-9	SB-6 (2-4) 08182016	39656431	1.52				
460-118857-10	SB-6 (13-15) 08182016	41513941	1.52				
460-118857-11	SB-5 (2-4) 08182016	39009004	1.52				
460-118857-12	SB-5 (13-15) 08182016	37971996	1.52				
460-118857-13	SB-7 (2-4) 08182016	37913279	1.52				
460-118857-14	SB-7 (13-15) 08182016	38578419	1.52				
CCV 460-386327/30		48790796	1.52				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386327/2 Date Analyzed: 08/23/2016 14:15

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): T1332069.D Heated Purge: (Y/N) N

Calibration ID: 56356

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		42475927	1.35				
UPPER LIMIT		84951854	1.42				
LOWER LIMIT		21237964	1.28				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-386173/1-A		40233644	1.34				
LCS 460-386173/2-A		43220484	1.35				
460-118857-5	SB-8 (2-4) 08182016	41874411	1.35				
460-118857-5 MS	SB-8 (2-4) 08182016 MS	41556287	1.35				
460-118857-5 MSD	SB-8 (2-4) 08182016 MSD	42435874	1.35				
460-118857-1	SB-10 (2-4) 08182016	47854115	1.35				
460-118857-2	SB-10 (13-15) 08182016	42839938	1.35				
460-118857-3	SB-9 (2-4) 08182016	39896647	1.35				
460-118857-4	SB-9 (12-14) 08182016	44893442	1.35				
460-118857-6	SB-8 (13-15) 08182016	40286212	1.35				
460-118857-7	SB-4 (3-5) 08182016	39622135	1.35				
460-118857-8	SB-4 (11-13) 08182016	43199399	1.35				
460-118857-9	SB-6 (2-4) 08182016	41134474	1.35				
460-118857-10	SB-6 (13-15) 08182016	43474197	1.35				
460-118857-11	SB-5 (2-4) 08182016	40144203	1.35				
460-118857-12	SB-5 (13-15) 08182016	39520901	1.35				
460-118857-13	SB-7 (2-4) 08182016	39690048	1.35				
460-118857-14	SB-7 (13-15) 08182016	40411926	1.35				
CCV 460-386327/30		51495644	1.35				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: IC 460-373506/4 Date Analyzed: 06/14/2016 10:32

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 8F012079.D Heated Purge: (Y/N) N

Calibration ID: 56225

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		5814695	1.64				
UPPER LIMIT		11629390	1.71				
LOWER LIMIT		2907348	1.57				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-373506/7		5128169	1.65				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: IC 460-373506/4 Date Analyzed: 06/14/2016 10:32

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): 8F012079.D Heated Purge: (Y/N) N

Calibration ID: 56226

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		6321071	1.38				
UPPER LIMIT		12642142	1.45				
LOWER LIMIT		3160536	1.31				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-373506/7		6716796	1.38				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386237/3 Date Analyzed: 08/23/2016 07:35

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 8F013518.D Heated Purge: (Y/N) N

Calibration ID: 56267

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		5822738	1.62				
UPPER LIMIT		11645476	1.69				
LOWER LIMIT		2911369	1.55				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-386152/1-A		4248742	1.63				
LCS 460-386152/2-A		4738616	1.62				
460-118778-K-10-A MS		4548838	1.62				
460-118778-J-10-C MSD		4043667	1.62				
460-118926-8	FB08192016	4479342	1.62				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386237/3 Date Analyzed: 08/23/2016 07:35

Instrument ID: CPESTGC8 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 8F013518.D Heated Purge: (Y/N) N

Calibration ID: 56268

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		7129582	1.36				
UPPER LIMIT		14259164	1.43				
LOWER LIMIT		3564791	1.29				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-386152/1-A		5764906	1.37				
LCS 460-386152/2-A		6293990	1.36				
460-118778-K-10-A MS		7465246	1.36				
460-118778-J-10-C MSD		6988720	1.36				
460-118926-8	FB08192016	6858722	1.36				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386320/3 Date Analyzed: 08/23/2016 13:16

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 8F013538.D Heated Purge: (Y/N) N

Calibration ID: 56267

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		5594696	1.63				
UPPER LIMIT		11189392	1.70				
LOWER LIMIT		2797348	1.56				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-386175/1-A		5589607	1.63				
LCS 460-386175/2-A		5953099	1.62				
460-118952-E-5-A MS		4929207	1.62				
460-118952-D-5-C MSD		4899619	1.62				
460-118926-1	SB-1(2-4)-08192016	5410793	1.62				
460-118926-2	SB-1(12-14)-08192016	4749207	1.62				
460-118926-3	SB-2(2-4)08192016	4596894	1.62				
460-118926-4	SB-2(10-12)08192016	4795072	1.62				
460-118926-5	SB-3(2-4)08192016	4582718	1.62				
460-118926-6	SB-3(13-15)08192016	4441206	1.62				
460-118926-7	SB-X08192016	4712179	1.62				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Sample No.: CCVIS 460-386320/3 Date Analyzed: 08/23/2016 13:16

Instrument ID: CPESTGC8 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 8F013538.D Heated Purge: (Y/N) N

Calibration ID: 56268

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		6310938	1.36				
UPPER LIMIT		12621876	1.43				
LOWER LIMIT		3155469	1.29				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-386175/1-A		7722687	1.36				
LCS 460-386175/2-A		7727327	1.36				
460-118952-E-5-A MS		5414550	1.36				
460-118952-D-5-C MSD		6162258	1.36				
460-118926-1	SB-1(2-4)-08192016	7900491	1.36				
460-118926-2	SB-1(12-14)-08192016	7196204	1.36				
460-118926-3	SB-2(2-4)08192016	5368927	1.36				
460-118926-4	SB-2(10-12)08192016	6813347	1.36				
460-118926-5	SB-3(2-4)08192016	6519074	1.36				
460-118926-6	SB-3(13-15)08192016	7008085	1.36				
460-118926-7	SB-X08192016	7438523	1.36				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (2-4) 08182016 Lab Sample ID: 460-118857-1

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 08/23/2016 16:08 Date Analyzed (2): 08/23/2016 16:08

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1254	1	1	3.72	3.70	3.76	67.8	58	37.0
		2	4.13	4.10	4.16	46.7		
		3	4.42	4.39	4.45	52.3		
		5	4.84	4.81	4.87	60.8		
		6	5.14	5.11	5.17	61.2		
		7	5.34	5.32	5.38	58.5		
		8	5.65	5.63	5.69	57.4		
	2	1	4.65	4.62	4.68	108	84	
		2	5.13	5.10	5.16	71.6		
		5	5.90	5.87	5.93	69.7		
		6	6.21	6.18	6.24	75.3		
		7	6.70	6.68	6.74	76.2		
		8	7.01	6.98	7.04	103		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MS Lab Sample ID: 460-118857-5 MS

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 08/23/2016 15:38 Date Analyzed (2): 08/23/2016 15:38

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.33	2.30	2.36	458	470	10.9
		2	2.68	2.65	2.71	496		
		3	2.88	2.85	2.91	467		
		4	3.15	3.12	3.18	462		
		5	3.29	3.26	3.32	464		
		6	3.36	3.33	3.39	453		
		7	3.73	3.70	3.76	461		
		8	3.82	3.79	3.85	500		
	2	1	2.97	2.94	3.00	441	421	
		2	3.43	3.40	3.46	413		
		3	3.71	3.67	3.73	405		
		4	3.95	3.92	3.98	415		
		5	4.11	4.08	4.14	417		
		6	4.35	4.32	4.38	428		
		7	4.65	4.62	4.68	423		
		8	4.79	4.76	4.82	428		
Aroclor 1260	1	1	5.04	5.01	5.07	474	470	9.7
		2	5.66	5.63	5.69	477		
		3	5.80	5.77	5.83	452		
		4	6.11	6.08	6.14	455		
		5	6.54	6.51	6.57	493		
		6	6.95	6.92	6.98	457		
		7	7.09	7.06	7.12	478		
		8	8.04	8.02	8.08	478		
	2	1	5.95	5.92	5.98	433	427	
		2	6.16	6.13	6.19	427		
		3	6.47	6.44	6.50	426		
		4	7.17	7.14	7.20	429		
		5	7.67	7.64	7.70	426		
		6	8.16	8.13	8.19	419		
		7	8.89	8.86	8.92	422		
		8	9.94	9.91	9.97	432		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MSD Lab Sample ID: 460-118857-5 MSD

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 08/23/2016 15:53 Date Analyzed (2): 08/23/2016 15:53

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.33	2.30	2.36	399	407	7.7
		2	2.68	2.65	2.71	432		
		3	2.88	2.85	2.91	392		
		4	3.15	3.12	3.18	409		
		5	3.29	3.26	3.32	404		
		6	3.36	3.33	3.39	389		
		7	3.73	3.70	3.76	399		
		8	3.82	3.79	3.85	432		
	2	1	2.97	2.94	3.00	399	377	
		2	3.43	3.40	3.46	367		
		3	3.70	3.67	3.73	360		
		4	3.95	3.92	3.98	369		
		5	4.11	4.08	4.14	371		
		6	4.35	4.32	4.38	386		
		7	4.65	4.62	4.68	377		
		8	4.78	4.76	4.82	384		
Aroclor 1260	1	1	5.04	5.01	5.07	417	412	8.5
		2	5.66	5.63	5.69	421		
		3	5.80	5.77	5.83	400		
		4	6.10	6.08	6.14	401		
		5	6.54	6.51	6.57	428		
		6	6.95	6.92	6.98	399		
		7	7.09	7.06	7.12	420		
		8	8.04	8.02	8.08	413		
	2	1	5.95	5.92	5.98	390	379	
		2	6.16	6.13	6.19	383		
		3	6.47	6.44	6.50	380		
		4	7.17	7.14	7.20	379		
		5	7.67	7.64	7.70	377		
		6	8.16	8.13	8.19	369		
		7	8.88	8.86	8.92	370		
		8	9.94	9.91	9.97	381		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-386152/2-A

Instrument ID (1): CPESTGC8 Instrument ID (2): CPESTGC8

Date Analyzed (1): 08/23/2016 08:15 Date Analyzed (2): 08/23/2016 08:15

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.39	2.35	2.41	3.50	4.54	6.1
		2	2.77	2.73	2.79	5.26		
		3	2.98	2.95	3.01	4.15		
		4	3.28	3.24	3.30	4.25		
		5	3.43	3.39	3.45	4.30		
		6	3.50	3.46	3.52	4.65		
		7	3.90	3.87	3.93	4.70		
		8	4.34	4.31	4.37	5.53		
	2	2	3.72	3.69	3.75	4.32	4.83	
		3	4.01	3.98	4.04	4.23		
		4	4.29	4.26	4.32	4.90		
		5	4.45	4.43	4.49	5.04		
		6	5.04	5.01	5.07	5.55		
		7	5.20	5.17	5.23	4.84		
		8	5.58	5.55	5.61	4.91		
Aroclor 1260	1	1	5.33	5.29	5.35	5.03	4.92	9.7
		2	6.04	6.00	6.06	4.77		
		3	6.20	6.17	6.23	4.45		
		4	6.56	6.53	6.59	4.49		
		5	7.07	7.03	7.09	4.89		
		6	7.57	7.54	7.60	5.16		
		7	7.75	7.72	7.78	5.37		
		8	8.63	8.60	8.66	5.22		
	2	1	6.57	6.54	6.60	5.16	5.43	
		2	6.83	6.80	6.86	5.36		
		3	7.20	7.17	7.23	5.46		
		4	8.10	8.07	8.13	5.07		
		5	8.52	8.50	8.56	5.69		
		6	8.84	8.81	8.87	5.68		
		7	9.22	9.19	9.25	5.56		
		8	9.75	9.72	9.78	5.42		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-118778-K-10-A MS

Instrument ID (1): CPESTGC8 Instrument ID (2): CPESTGC8

Date Analyzed (1): 08/23/2016 08:46 Date Analyzed (2): 08/23/2016 08:46

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.39	2.35	2.41	3.38	3.97	29.6
		2	2.77	2.73	2.79	3.60		
		3	2.98	2.95	3.01	3.78		
		4	3.28	3.24	3.30	3.85		
		5	3.43	3.39	3.45	3.99		
		6	3.49	3.46	3.52	4.25		
		7	3.90	3.87	3.93	4.34		
		8	4.34	4.31	4.37	4.61		
	2	1	3.20	3.18	3.24	4.69	5.35	
		2	3.72	3.69	3.75	4.99		
		3	4.01	3.98	4.04	4.98		
		4	4.28	4.26	4.32	5.48		
		5	4.45	4.43	4.49	5.57		
		6	5.04	5.01	5.07	5.19		
		7	5.20	5.17	5.23	5.57		
		8	5.58	5.55	5.61	6.35		
Aroclor 1260	1	1	5.33	5.29	5.35	4.49	4.40	30.5
		2	6.04	6.00	6.06	4.51		
		3	6.20	6.17	6.23	4.13		
		4	6.56	6.53	6.59	3.95		
		5	7.07	7.03	7.09	4.30		
		6	7.57	7.54	7.60	4.47		
		7	7.75	7.72	7.78	4.70		
		8	8.63	8.60	8.66	4.62		
	2	1	6.57	6.54	6.60	5.84	5.98	
		2	6.83	6.80	6.86	6.00		
		3	7.20	7.17	7.23	6.06		
		4	8.09	8.07	8.13	6.21		
		5	8.52	8.50	8.56	6.02		
		6	8.84	8.81	8.87	5.99		
		7	9.22	9.19	9.25	5.92		
		8	9.75	9.72	9.78	5.81		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-118778-J-10-C MSD

Instrument ID (1): CPESTGC8 Instrument ID (2): CPESTGC8

Date Analyzed (1): 08/23/2016 09:02 Date Analyzed (2): 08/23/2016 09:02

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.39	2.35	2.41	3.13	4.10	35.9
		2	2.77	2.73	2.79	3.65		
		3	2.98	2.95	3.01	3.69		
		4	3.28	3.24	3.30	4.08		
		5	3.43	3.39	3.45	4.19		
		6	3.49	3.46	3.52	4.52		
		7	3.90	3.87	3.93	4.60		
		8	4.34	4.31	4.37	4.90		
	2	1	3.21	3.18	3.24	4.95	5.88	
		2	3.72	3.69	3.75	5.45		
		3	4.01	3.98	4.04	5.43		
		4	4.28	4.26	4.32	6.17		
		5	4.45	4.43	4.49	6.23		
		6	5.04	5.01	5.07	6.03		
		7	5.20	5.17	5.23	6.09		
		8	5.58	5.55	5.61	6.73		
Aroclor 1260	1	1	5.33	5.29	5.35	4.86	4.78	37.0
		2	6.04	6.00	6.06	4.77		
		3	6.20	6.17	6.23	4.39		
		4	6.56	6.53	6.59	4.27		
		5	7.07	7.03	7.09	4.74		
		6	7.57	7.54	7.60	4.92		
		7	7.75	7.72	7.78	5.22		
		8	8.62	8.60	8.66	5.08		
	2	1	6.57	6.54	6.60	6.56	6.95	
		2	6.83	6.80	6.86	6.69		
		3	7.20	7.17	7.23	6.73		
		4	8.10	8.07	8.13	7.25		
		5	8.52	8.50	8.56	7.10		
		6	8.84	8.81	8.87	7.43		
		7	9.21	9.19	9.25	6.97		
		8	9.74	9.72	9.78	6.84		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-386173/2-A

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 08/23/2016 14:52 Date Analyzed (2): 08/23/2016 14:52

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.33	2.30	2.36	409	415	10.3
		2	2.68	2.65	2.71	436		
		3	2.88	2.85	2.91	425		
		4	3.15	3.12	3.18	414		
		5	3.29	3.26	3.32	415		
		6	3.36	3.33	3.39	405		
		7	3.73	3.70	3.76	385		
		8	3.82	3.79	3.85	431		
	2	1	2.97	2.94	3.00	377	375	
		2	3.43	3.40	3.46	375		
		3	3.70	3.67	3.73	362		
		4	3.95	3.92	3.98	371		
		5	4.11	4.08	4.14	371		
		6	4.35	4.32	4.38	384		
		7	4.65	4.62	4.68	369		
		8	4.79	4.76	4.82	387		
Aroclor 1260	1	1	5.04	5.01	5.07	409	412	8.3
		2	5.66	5.63	5.69	410		
		3	5.80	5.77	5.83	386		
		4	6.11	6.08	6.14	387		
		5	6.54	6.51	6.57	437		
		6	6.96	6.92	6.98	375		
		7	7.09	7.06	7.12	442		
		8	8.05	8.02	8.08	453		
	2	1	5.95	5.92	5.98	390	379	
		2	6.16	6.13	6.19	385		
		3	6.47	6.44	6.50	380		
		4	7.17	7.14	7.20	383		
		5	7.67	7.64	7.70	377		
		6	8.16	8.13	8.19	371		
		7	8.89	8.86	8.92	368		
		8	9.94	9.91	9.97	382		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-386175/2-A

Instrument ID (1): CPESTGC8 Instrument ID (2): CPESTGC8

Date Analyzed (1): 08/23/2016 13:51 Date Analyzed (2): 08/23/2016 13:51

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.39	2.36	2.42	350	384	11.7
		2	2.77	2.74	2.80	375		
		3	2.99	2.95	3.01	372		
		4	3.28	3.24	3.30	378		
		5	3.43	3.39	3.45	380		
		6	3.50	3.46	3.52	394		
		7	3.90	3.87	3.93	397		
		8	4.34	4.31	4.37	429		
	2	1	3.21	3.18	3.24	405	432	
		2	3.72	3.70	3.76	425		
		3	4.01	3.99	4.05	413		
		4	4.29	4.26	4.32	442		
		5	4.46	4.43	4.49	453		
		6	5.04	5.02	5.08	424		
		7	5.20	5.17	5.23	428		
		8	5.58	5.55	5.61	466		
Aroclor 1260	1	1	5.33	5.30	5.36	420	398	10.3
		2	6.04	6.01	6.07	374		
		3	6.21	6.17	6.23	368		
		4	6.56	6.53	6.59	354		
		5	7.07	7.04	7.10	398		
		6	7.58	7.55	7.61	391		
		7	7.75	7.72	7.78	452		
		8	8.63	8.60	8.66	423		
	2	1	6.57	6.55	6.61	428	440	
		2	6.83	6.81	6.87	439		
		3	7.20	7.18	7.24	436		
		4	8.10	8.08	8.14	466		
		5	8.53	8.50	8.56	444		
		6	8.84	8.82	8.88	448		
		7	9.22	9.20	9.26	438		
		8	9.75	9.73	9.79	424		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-118952-E-5-A MS

Instrument ID (1): CPESTGC8 Instrument ID (2): CPESTGC8

Date Analyzed (1): 08/23/2016 14:31 Date Analyzed (2): 08/23/2016 14:31

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.39	2.36	2.42	462	508	1.6
		2	2.77	2.74	2.80	564		
		3	2.98	2.95	3.01	475		
		4	3.28	3.24	3.30	488		
		5	3.43	3.39	3.45	497		
		6	3.49	3.46	3.52	497		
		7	3.90	3.87	3.93	515		
		8	4.34	4.31	4.37	568		
	2	1	3.20	3.18	3.24	769	517	
		2	3.72	3.70	3.76	469		
		3	4.01	3.99	4.05	457		
		4	4.28	4.26	4.32	491		
		5	4.45	4.43	4.49	513		
		6	5.04	5.02	5.08	489		
		7	5.20	5.17	5.23	447		
		8	5.58	5.55	5.61	500		
Aroclor 1260	1	1	5.33	5.30	5.36	533	504	4.2
		2	6.04	6.01	6.07	468		
		3	6.21	6.17	6.23	466		
		4	6.56	6.53	6.59	447		
		5	7.07	7.04	7.10	503		
		6	7.58	7.55	7.61	502		
		7	7.75	7.72	7.78	569		
		8	8.63	8.60	8.66	544		
	2	1	6.57	6.55	6.61	465	483	
		2	6.83	6.81	6.87	488		
		3	7.20	7.18	7.24	490		
		4	8.10	8.08	8.14	514		
		5	8.53	8.50	8.56	486		
		6	8.85	8.82	8.88	487		
		7	9.23	9.20	9.26	477		
		8	9.76	9.73	9.79	458		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-118952-D-5-C MSD

Instrument ID (1): CPESTGC8 Instrument ID (2): CPESTGC8

Date Analyzed (1): 08/23/2016 14:46 Date Analyzed (2): 08/23/2016 14:46

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.39	2.36	2.42	410	454	21.4
		2	2.77	2.74	2.80	499		
		3	2.98	2.95	3.01	436		
		4	3.28	3.24	3.30	435		
		5	3.43	3.39	3.45	439		
		6	3.50	3.46	3.52	445		
		7	3.90	3.87	3.93	462		
		8	4.34	4.31	4.37	503		
	2	1	3.20	3.18	3.24	748	562	
		2	3.72	3.70	3.76	489		
		3	4.01	3.99	4.05	476		
		4	4.28	4.26	4.32	508		
		5	4.45	4.43	4.49	522		
		6	5.04	5.02	5.08	758		
		7	5.20	5.17	5.23	480		
		8	5.58	5.55	5.61	517		
Aroclor 1260	1	1	5.33	5.30	5.36	481	468	5.7
		2	6.04	6.01	6.07	472		
		3	6.21	6.17	6.23	454		
		4	6.56	6.53	6.59	415		
		5	7.07	7.04	7.10	459		
		6	7.58	7.55	7.61	458		
		7	7.75	7.72	7.78	517		
		8	8.63	8.60	8.66	488		
	2	1	6.57	6.55	6.61	478	495	
		2	6.83	6.81	6.87	500		
		3	7.20	7.18	7.24	507		
		4	8.10	8.08	8.14	518		
		5	8.53	8.50	8.56	495		
		6	8.84	8.82	8.88	498		
		7	9.22	9.20	9.26	492		
		8	9.76	9.73	9.79	474		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (2-4) 08182016 | Lab Sample ID: 460-118857-1

Matrix: Solid | Lab File ID: T1332076.D

Analysis Method: 8082A | Date Collected: 08/18/2016 08:30

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0078(g) | Date Analyzed: 08/23/2016 16:08

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11097-69-1	Aroclor 1254	84		75	10
1336-36-3	Polychlorinated biphenyls, Total	84		75	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332076.D
Lims ID: 460-118857-F-1-B
Client ID: SB-10 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:08:42 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-009
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	39038027	20.0	
2	1.347	1.347	0.000	47854115	20.0	
					RPD = 0.00	
7 PCB-1254						M
1	4.645	4.647	-0.002	3316050	144.7	M
1	5.126	5.127	-0.001	6150199	95.5	M
1	0.000	5.352	-5.352	0	0	
1	0.000	5.753	-5.753	0	0	
1	5.897	5.900	-0.003	11051213	93.0	M
1	6.206	6.210	-0.004	8504310	100.4	M
1	6.703	6.708	-0.005	7569477	101.6	M
1	7.014	7.012	0.002	15676773	137.2	M
		Average of Peak Amounts =			112.1	
2	3.723	3.726	-0.003	2556184	90.4	M
2	4.131	4.134	-0.003	4687448	62.2	M
2	4.418	4.418	0.000	7348438	69.8	M
2	0.000	4.707	-4.707	0	0	
2	4.836	4.839	-0.003	11422674	81.1	M
2	5.138	5.142	-0.004	8999863	81.7	M
2	5.342	5.346	-0.004	7648459	78.0	M
2	5.651	5.657	-0.006	11311624	76.5	M
		Average of Peak Amounts =			77.1	
					RPD = 36.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.515	10.514	0.001	77608054	55.6	
2	8.972	8.983	-0.011	116398622	50.5	
					RPD = 9.51	
S 12 Polychlorinated biphenyls, Total						
1					112.1	

QC Flag Legend

Review Flags

M - Manually Integrated

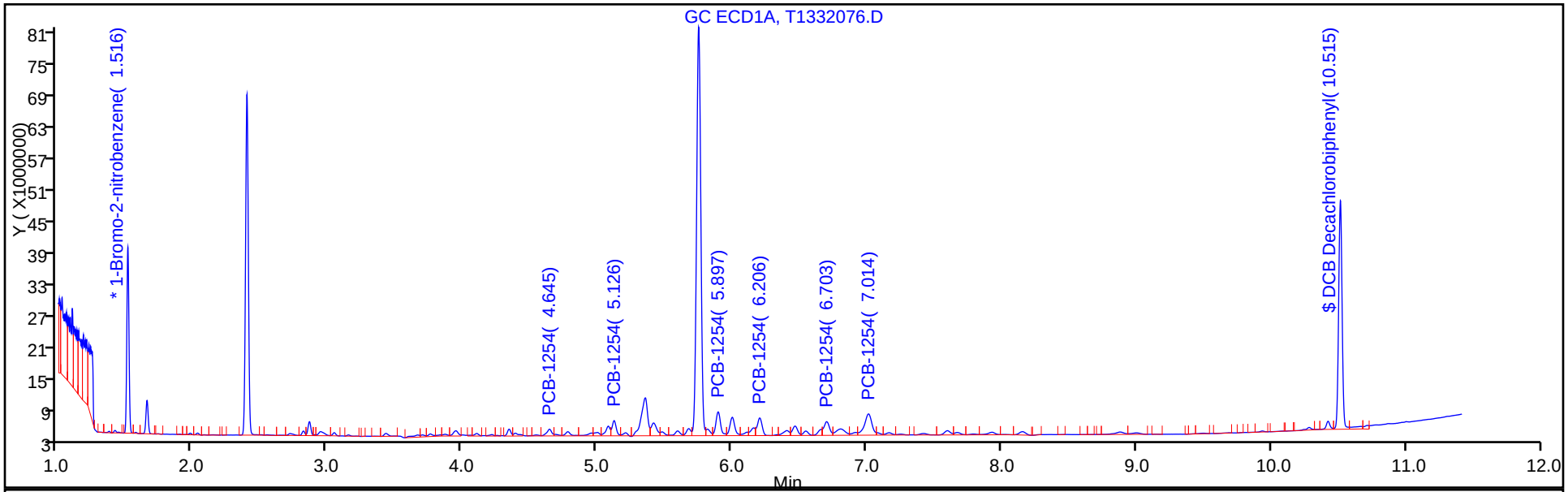
Reagents:

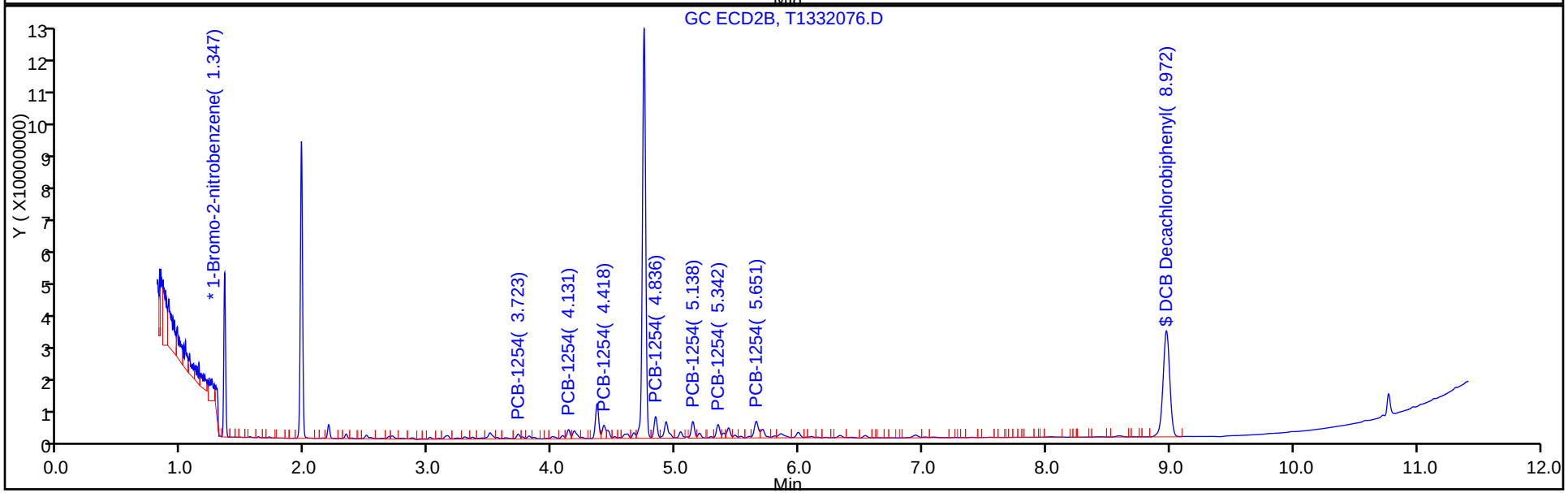
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332076.D				
Injection Date:	23-Aug-2016 16:08:42	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-1-B	Lab Sample ID:	460-118857-1	Worklist Smp#:	9
Client ID:	SB-10 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





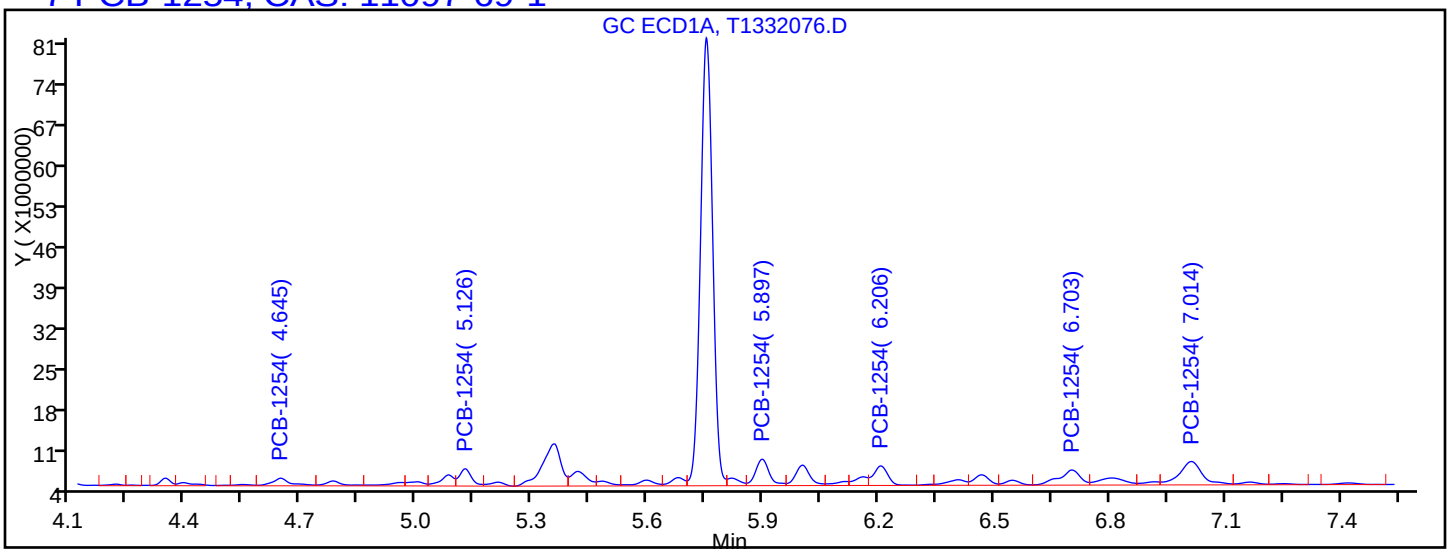
Report Date: 24-Aug-2016 11:37:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332076.D

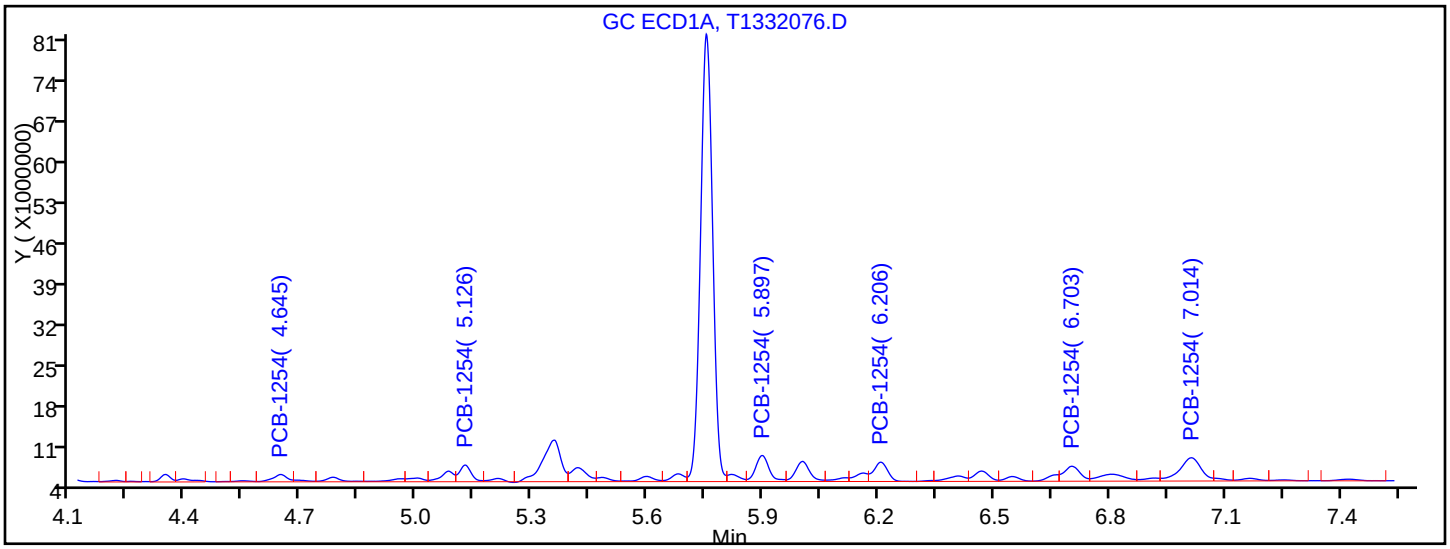
Injection Date:	23-Aug-2016 16:08:42	Instrument ID:	CPESTGC11		
Lims ID:	460-118857-F-1-B	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 4.645	Response = 4398733	M
RT = 5.126	Response = 6592185	M
RT = 5.358	Response = 24729238	
RT = 5.752	Response = 171210322	
RT = 5.897	Response = 11428247	M
RT = 6.206	Response = 8779635	M
RT = 6.703	Response = 10118225	M
RT = 7.014	Response = 16897126	M



Manual Integration Results

RT = 4.645	Response = 3316050	M
RT = 5.126	Response = 6150199	M
RT = 0.000	Response = 0	
RT = 0.000	Response = 0	
RT = 5.897	Response = 11051213	M
RT = 6.206	Response = 8504310	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (2-4) 08182016 | Lab Sample ID: 460-118857-1

Matrix: Solid | Lab File ID: T1332076.D

Analysis Method: 8082A | Date Collected: 08/18/2016 08:30

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0078(g) | Date Analyzed: 08/23/2016 16:08

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	75	U	75	10
11104-28-2	Aroclor 1221	75	U	75	10
11141-16-5	Aroclor 1232	75	U	75	10
53469-21-9	Aroclor 1242	75	U	75	10
12672-29-6	Aroclor 1248	75	U	75	10
11096-82-5	Aroclor 1260	75	U	75	10
11100-14-4	Aroclor 1268	75	U	75	10
37324-23-5	Aroclor-1262	75	U	75	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332076.D
Lims ID: 460-118857-F-1-B
Client ID: SB-10 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:08:42 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-009
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	39038027	20.0	
2	1.347	1.347	0.000	47854115	20.0	
					RPD = 0.00	
7 PCB-1254						M
1	4.645	4.647	-0.002	3316050	144.7	M
1	5.126	5.127	-0.001	6150199	95.5	M
1	0.000	5.352	-5.352	0	0	
1	0.000	5.753	-5.753	0	0	
1	5.897	5.900	-0.003	11051213	93.0	M
1	6.206	6.210	-0.004	8504310	100.4	M
1	6.703	6.708	-0.005	7569477	101.6	M
1	7.014	7.012	0.002	15676773	137.2	M
		Average of Peak Amounts =			112.1	
2	3.723	3.726	-0.003	2556184	90.4	M
2	4.131	4.134	-0.003	4687448	62.2	M
2	4.418	4.418	0.000	7348438	69.8	M
2	0.000	4.707	-4.707	0	0	
2	4.836	4.839	-0.003	11422674	81.1	M
2	5.138	5.142	-0.004	8999863	81.7	M
2	5.342	5.346	-0.004	7648459	78.0	M
2	5.651	5.657	-0.006	11311624	76.5	M
		Average of Peak Amounts =			77.1	
					RPD = 36.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.515	10.514	0.001	77608054	55.6	
2	8.972	8.983	-0.011	116398622	50.5	
					RPD = 9.51	
S 12 Polychlorinated biphenyls, Total						
1					112.1	

QC Flag Legend

Review Flags

M - Manually Integrated

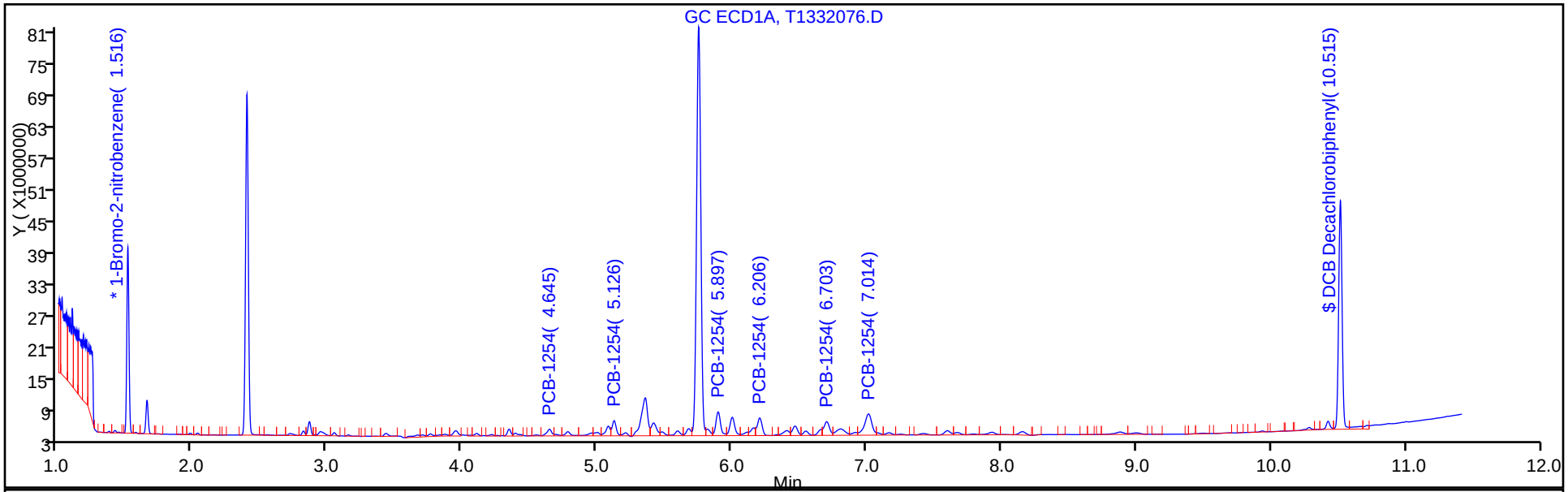
Reagents:

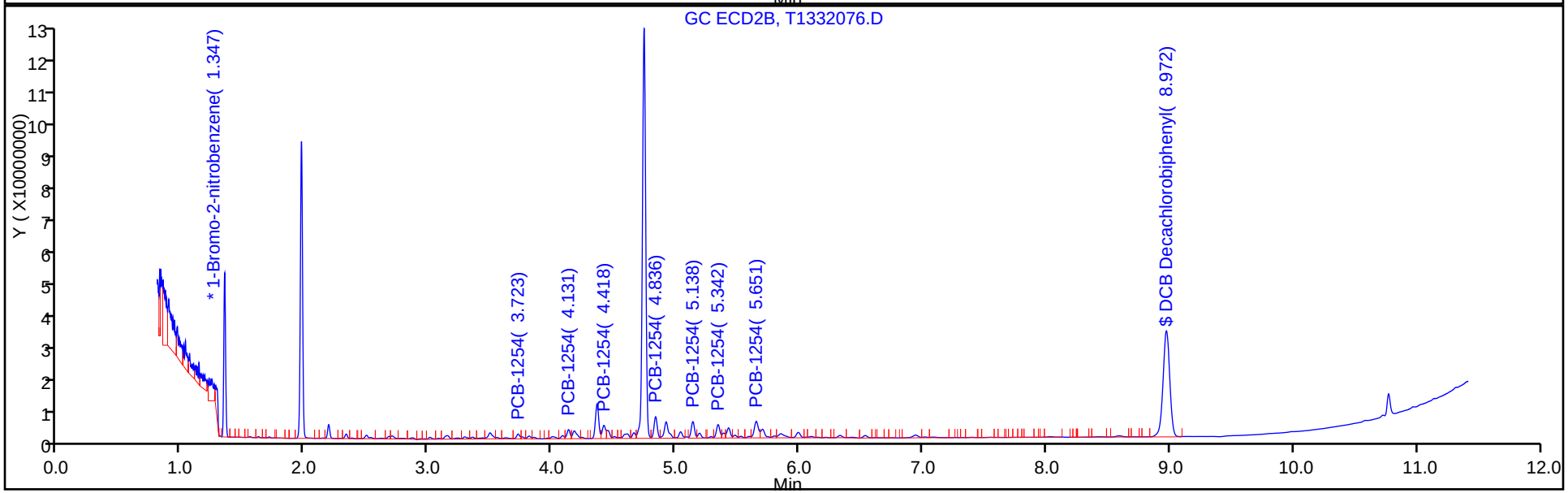
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332076.D				
Injection Date:	23-Aug-2016 16:08:42	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-1-B	Lab Sample ID:	460-118857-1	Worklist Smp#:	9
Client ID:	SB-10 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





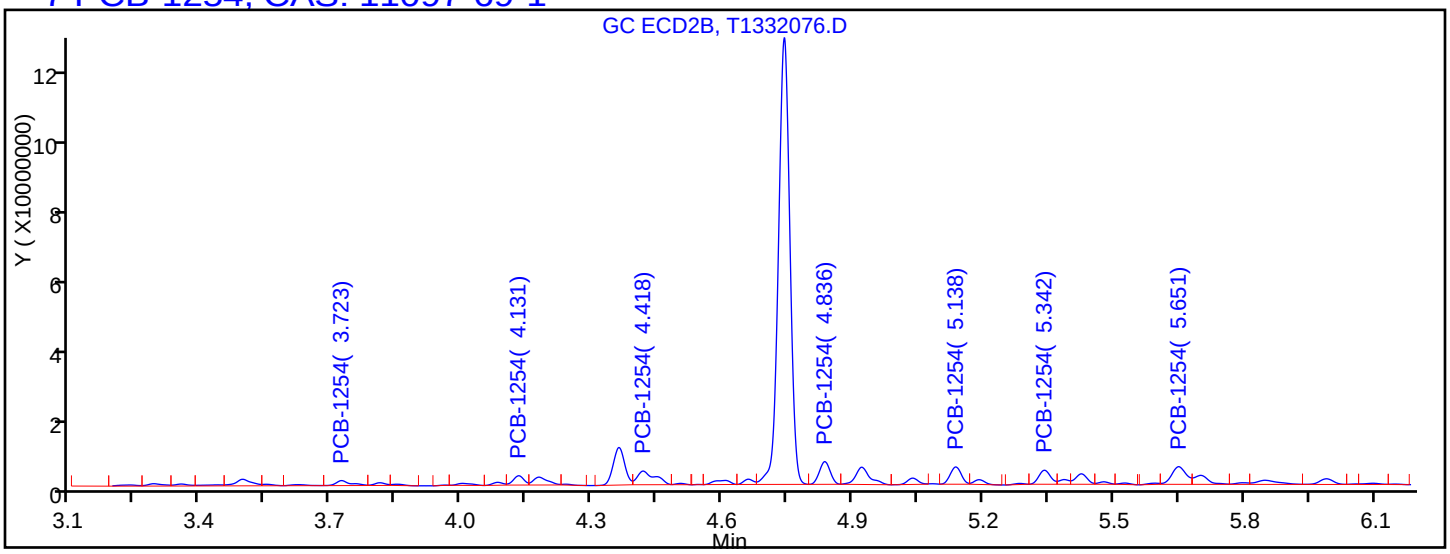
Report Date: 24-Aug-2016 11:37:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332076.D

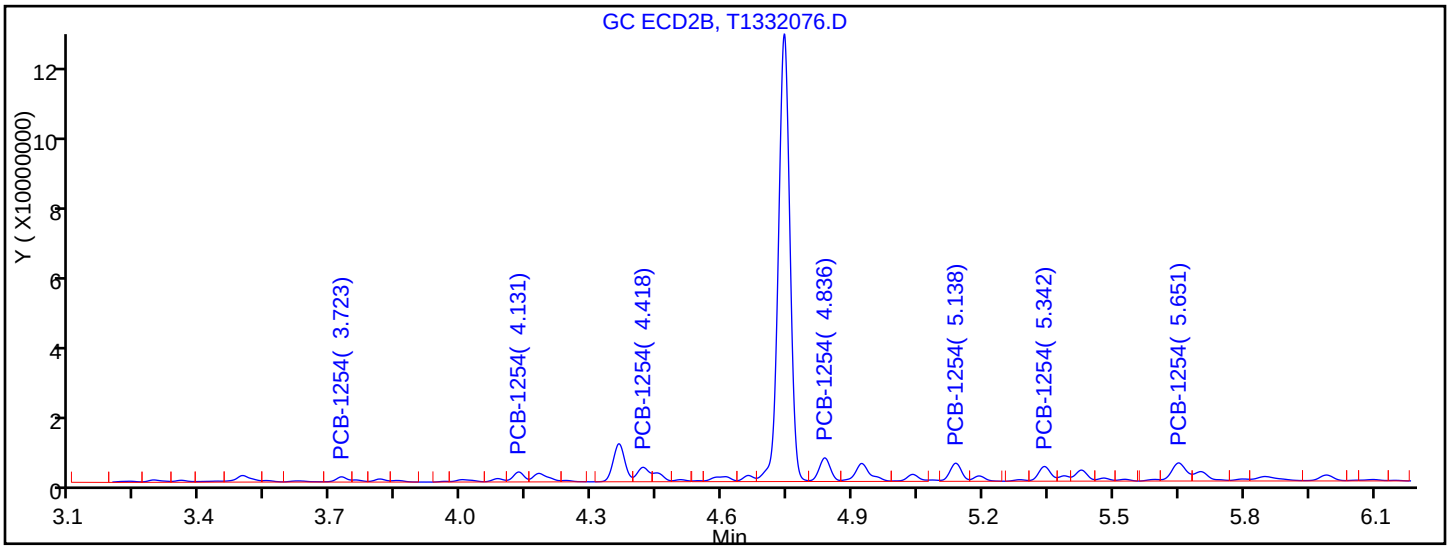
Injection Date:	23-Aug-2016 16:08:42	Instrument ID:	CPESTGC11		
Lims ID:	460-118857-F-1-B	Lab Sample ID:	460-118857-1		
Client ID:	SB-10 (2-4) 08182016				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.723	Response = 3067211	M
RT = 4.131	Response = 4171402	M
RT = 4.418	Response = 10238293	M
RT = 0.000	Response = 0	
RT = 4.836	Response = 10350582	M
RT = 5.138	Response = 8081279	M
RT = 5.342	Response = 6937883	M
RT = 5.651	Response = 10798568	M



Manual Integration Results

RT = 3.723	Response = 2556184	M
RT = 4.131	Response = 4687448	M
RT = 4.418	Response = 7348438	M
RT = 0.000	Response = 0	
RT = 4.836	Response = 11422674	M
RT = 5.138	Response = 8999863	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (13-15) 08182016 | Lab Sample ID: 460-118857-2

Matrix: Solid | Lab File ID: T1332077.D

Analysis Method: 8082A | Date Collected: 08/18/2016 08:56

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0117(g) | Date Analyzed: 08/23/2016 16:23

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 2.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332077.D
Lims ID: 460-118857-F-2-B
Client ID: SB-10 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:23:37 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-010
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	41277735	20.0	
2	1.346	1.347	-0.001	42839938	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.517	10.514	0.003	74746030	50.6	
2	8.981	8.983	-0.002	110455505	53.6	
					RPD = 5.65	

Reagents:

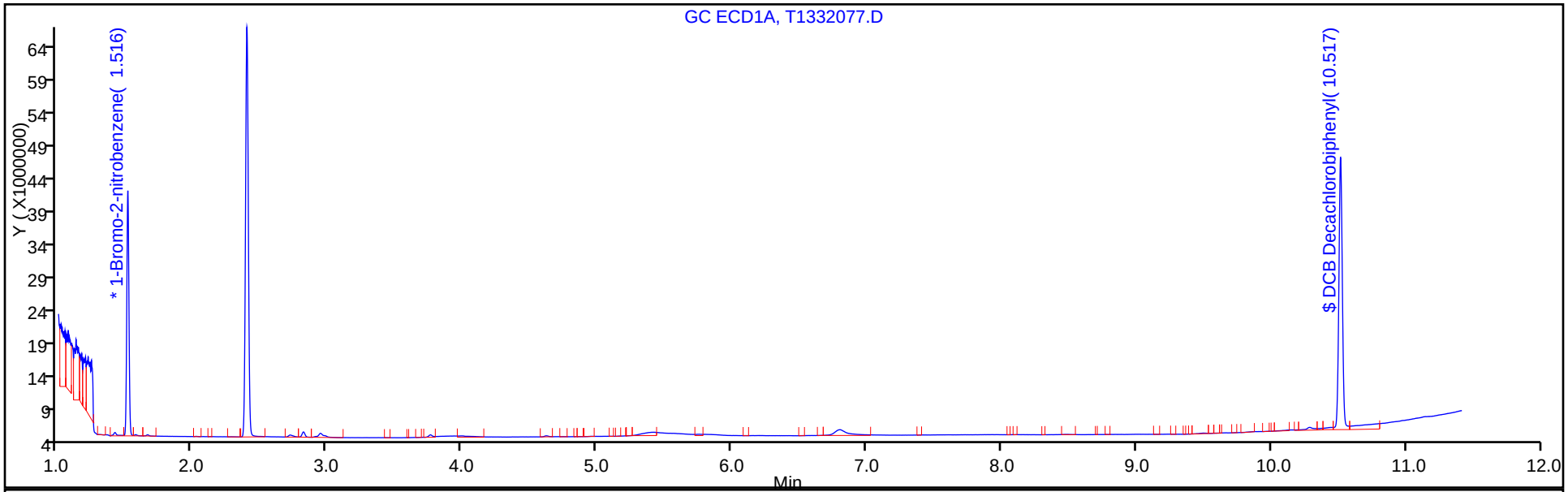
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

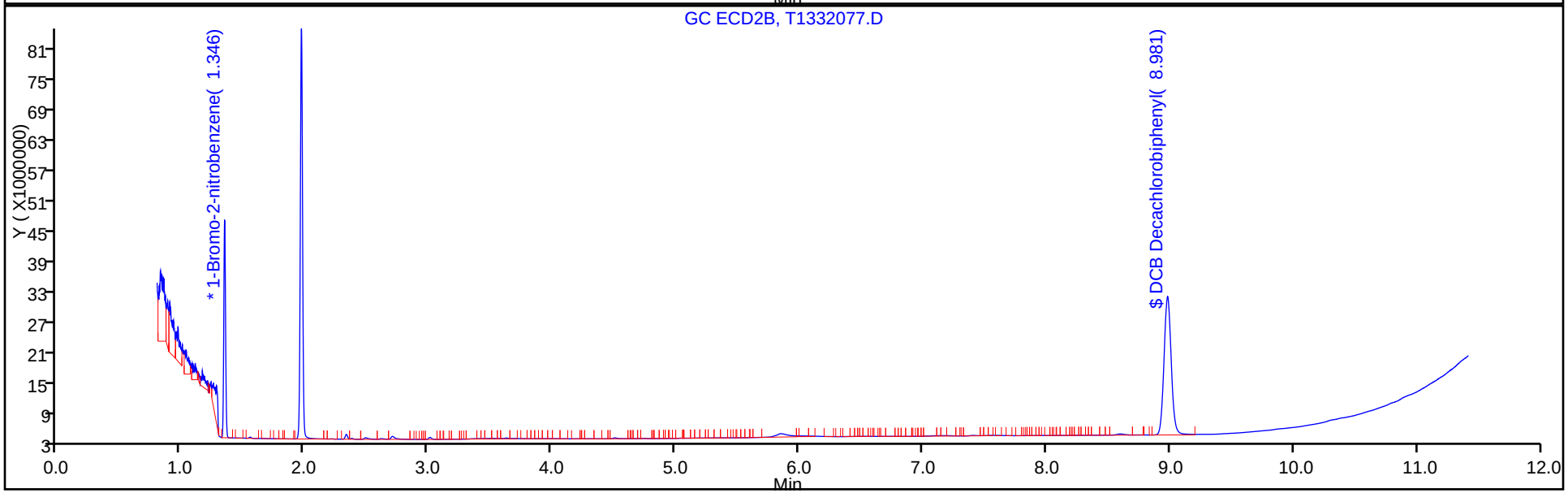
Report Date: 24-Aug-2016 11:37:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332077.D

Injection Date:	23-Aug-2016 16:23:37	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-2-B	Lab Sample ID:	460-118857-2	Worklist Smp#:	10
Client ID:	SB-10 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-10 (13-15) 08182016 | Lab Sample ID: 460-118857-2

Matrix: Solid | Lab File ID: T1332077.D

Analysis Method: 8082A | Date Collected: 08/18/2016 08:56

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0117(g) | Date Analyzed: 08/23/2016 16:23

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 2.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	69	U	69	9.1
11104-28-2	Aroclor 1221	69	U	69	9.1
11141-16-5	Aroclor 1232	69	U	69	9.1
53469-21-9	Aroclor 1242	69	U	69	9.1
12672-29-6	Aroclor 1248	69	U	69	9.1
11097-69-1	Aroclor 1254	69	U	69	9.4
11096-82-5	Aroclor 1260	69	U	69	9.4
11100-14-4	Aroclor 1268	69	U	69	9.4
37324-23-5	Aroclor-1262	69	U	69	9.4
1336-36-3	Polychlorinated biphenyls, Total	69	U	69	9.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332077.D
Lims ID: 460-118857-F-2-B
Client ID: SB-10 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:23:37 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-010
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	41277735	20.0	
2	1.346	1.347	-0.001	42839938	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.517	10.514	0.003	74746030	50.6	
2	8.981	8.983	-0.002	110455505	53.6	
					RPD = 5.65	

Reagents:

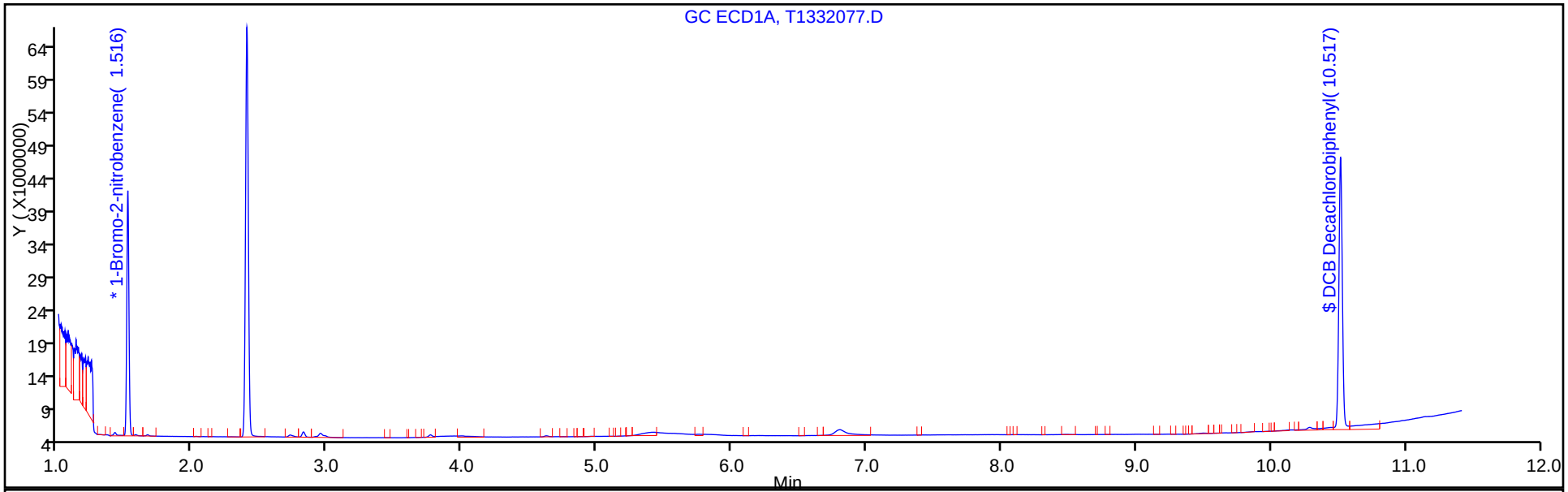
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

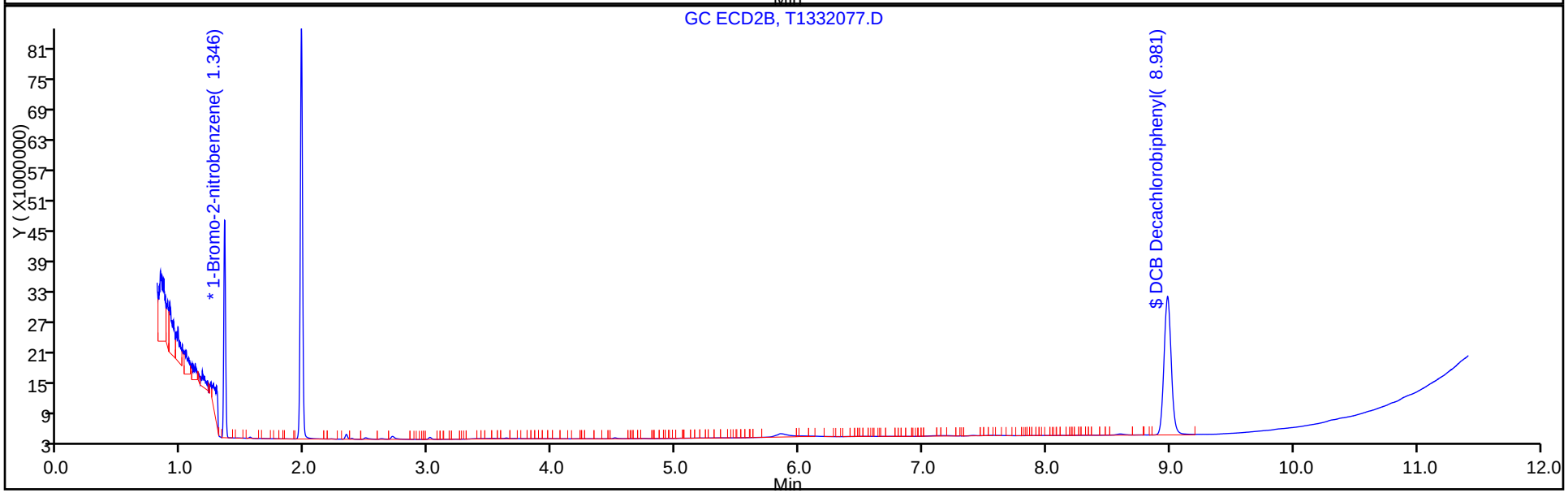
Report Date: 24-Aug-2016 11:37:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332077.D

Injection Date:	23-Aug-2016 16:23:37	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-2-B	Lab Sample ID:	460-118857-2	Worklist Smp#:	10
Client ID:	SB-10 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (2-4) 08182016 | Lab Sample ID: 460-118857-3

Matrix: Solid | Lab File ID: T1332078.D

Analysis Method: 8082A | Date Collected: 08/18/2016 09:31

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0033(g) | Date Analyzed: 08/23/2016 16:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 13.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	123		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332078.D
Lims ID: 460-118857-E-3-B
Client ID: SB-9 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:38:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-011
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	38511951	20.0	
2	1.346	1.347	-0.001	39896647	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.522	10.514	0.008	84459919	61.3	
2	8.975	8.983	-0.008	124714527	64.9	
					RPD = 5.75	

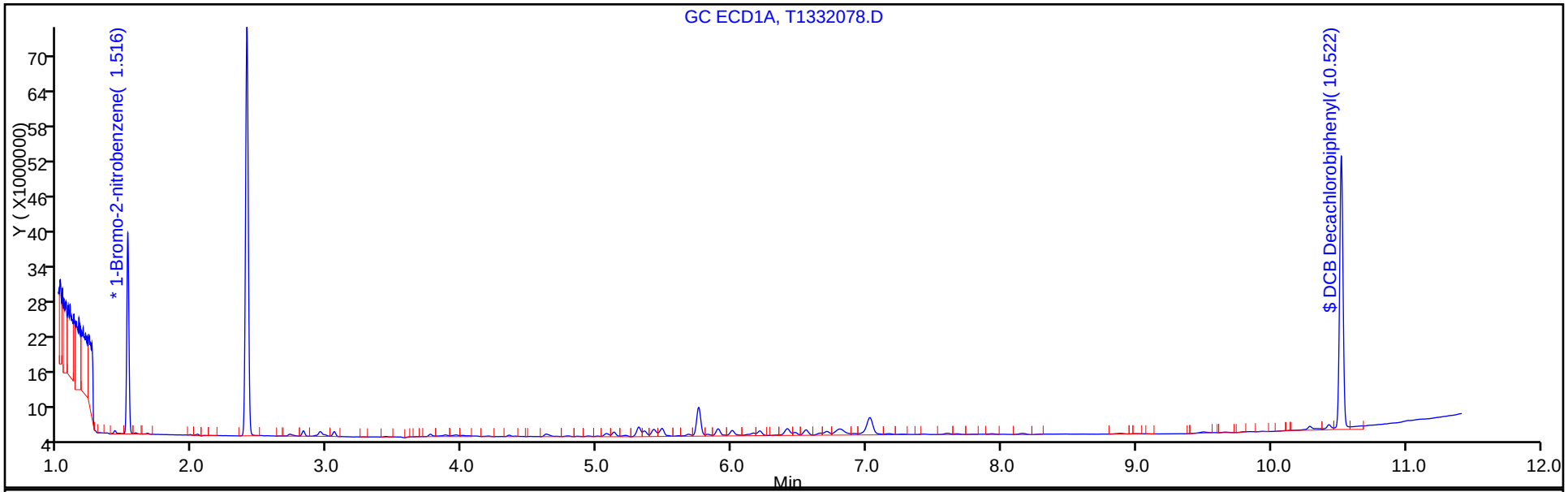
Reagents:

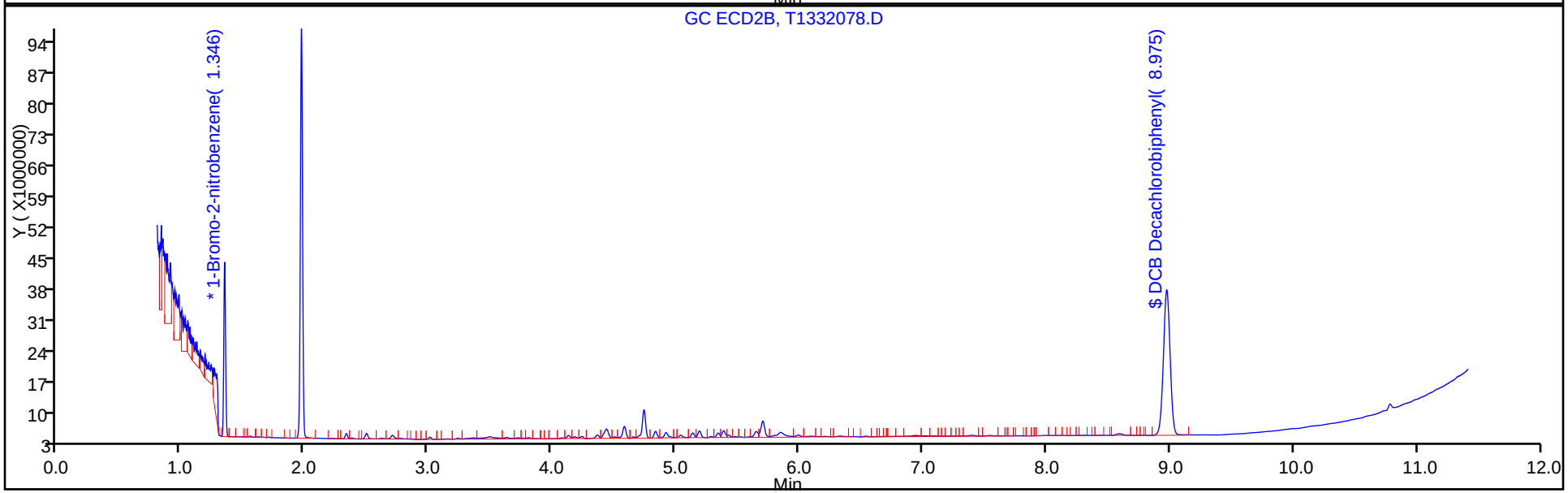
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332078.D				
Injection Date:	23-Aug-2016 16:38:30	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-3-B	Lab Sample ID:	460-118857-3	Worklist Smp#:	11
Client ID:	SB-9 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (2-4) 08182016 | Lab Sample ID: 460-118857-3

Matrix: Solid | Lab File ID: T1332078.D

Analysis Method: 8082A | Date Collected: 08/18/2016 09:31

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0033(g) | Date Analyzed: 08/23/2016 16:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 13.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	78	U	78	10
11104-28-2	Aroclor 1221	78	U	78	10
11141-16-5	Aroclor 1232	78	U	78	10
53469-21-9	Aroclor 1242	78	U	78	10
12672-29-6	Aroclor 1248	78	U	78	10
11097-69-1	Aroclor 1254	78	U	78	11
11096-82-5	Aroclor 1260	78	U	78	11
11100-14-4	Aroclor 1268	78	U	78	11
37324-23-5	Aroclor-1262	78	U	78	11
1336-36-3	Polychlorinated biphenyls, Total	78	U	78	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	130		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332078.D
Lims ID: 460-118857-E-3-B
Client ID: SB-9 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:38:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-011
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	38511951	20.0	
2	1.346	1.347	-0.001	39896647	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.522	10.514	0.008	84459919	61.3	
2	8.975	8.983	-0.008	124714527	64.9	
					RPD = 5.75	

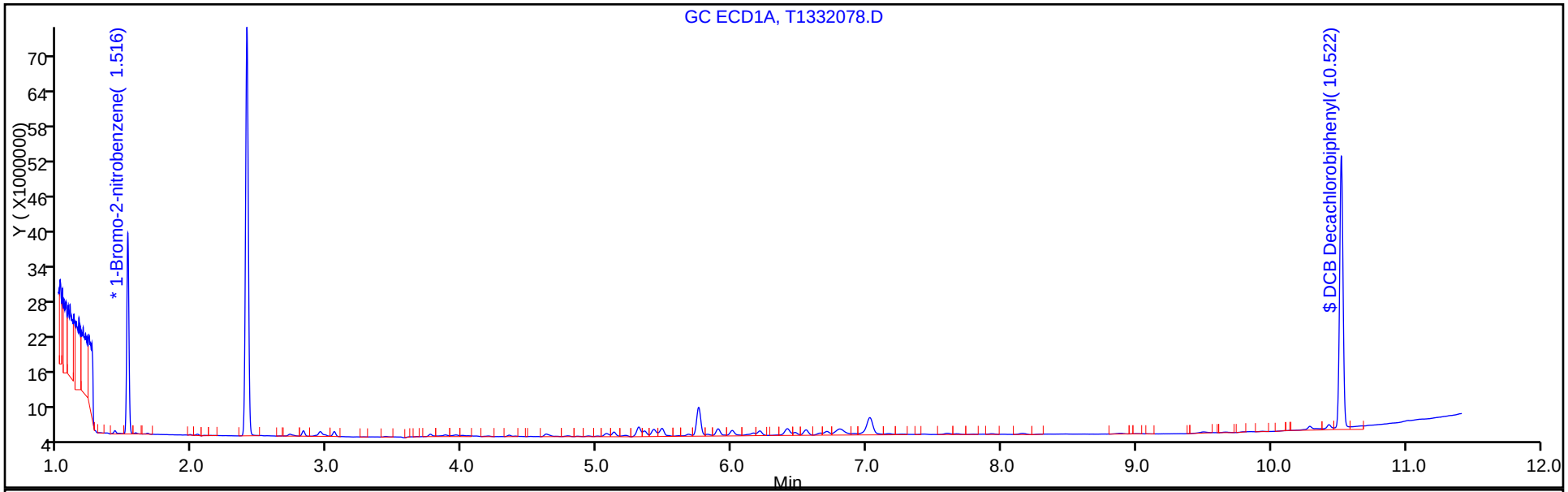
Reagents:

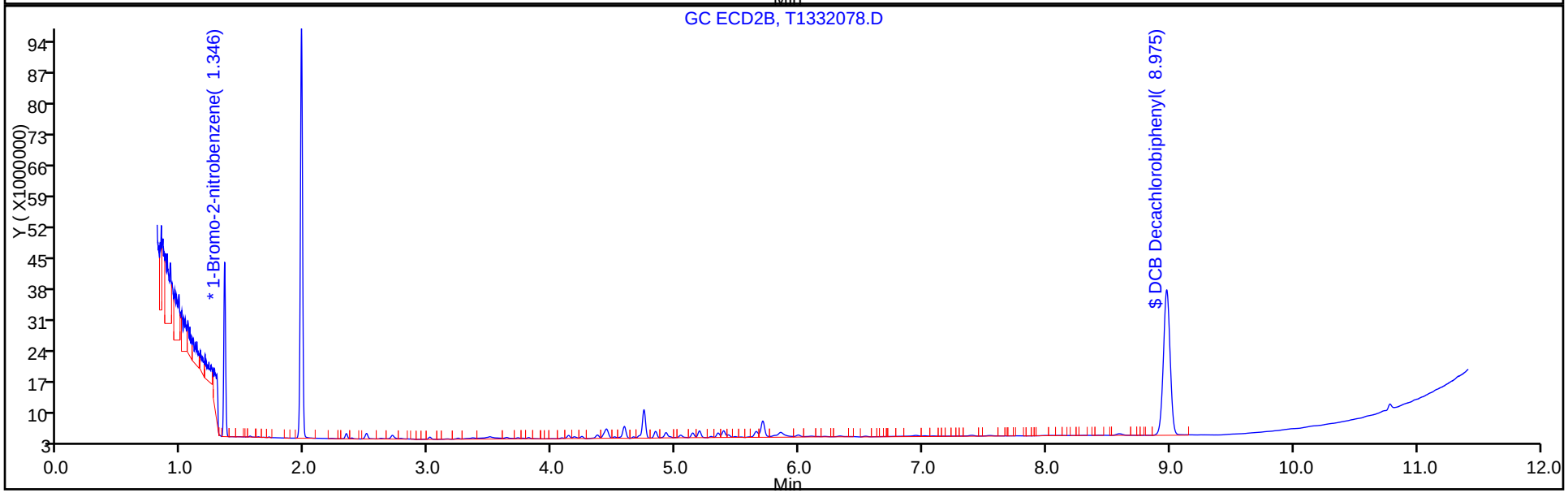
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332078.D				
Injection Date:	23-Aug-2016 16:38:30	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-3-B	Lab Sample ID:	460-118857-3	Worklist Smp#:	11
Client ID:	SB-9 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (12-14) 08182016 | Lab Sample ID: 460-118857-4

Matrix: Solid | Lab File ID: T1332079.D

Analysis Method: 8082A | Date Collected: 08/18/2016 09:43

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0071(g) | Date Analyzed: 08/23/2016 16:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 4.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332079.D
Lims ID: 460-118857-F-4-C
Client ID: SB-9 (12-14) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:53:22 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-012
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	43208028	20.0	
2	1.347	1.347	0.000	44893442	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.519	10.514	0.005	76753516	49.7	M
2	8.979	8.983	-0.004	117761300	54.5	
					RPD = 9.28	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

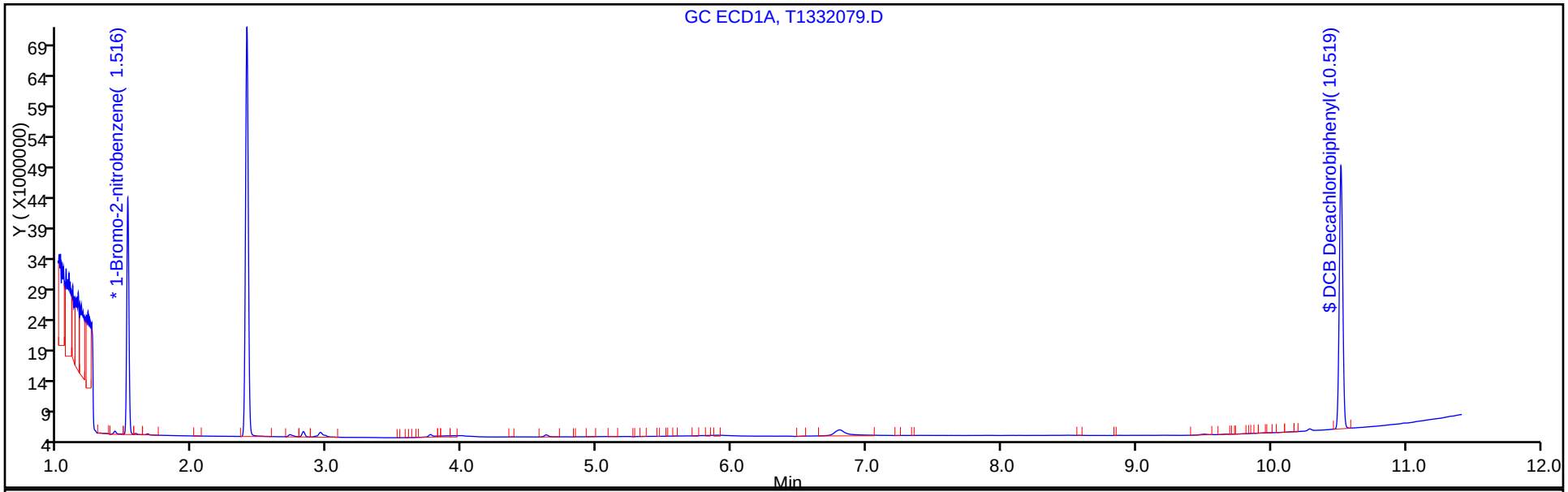
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

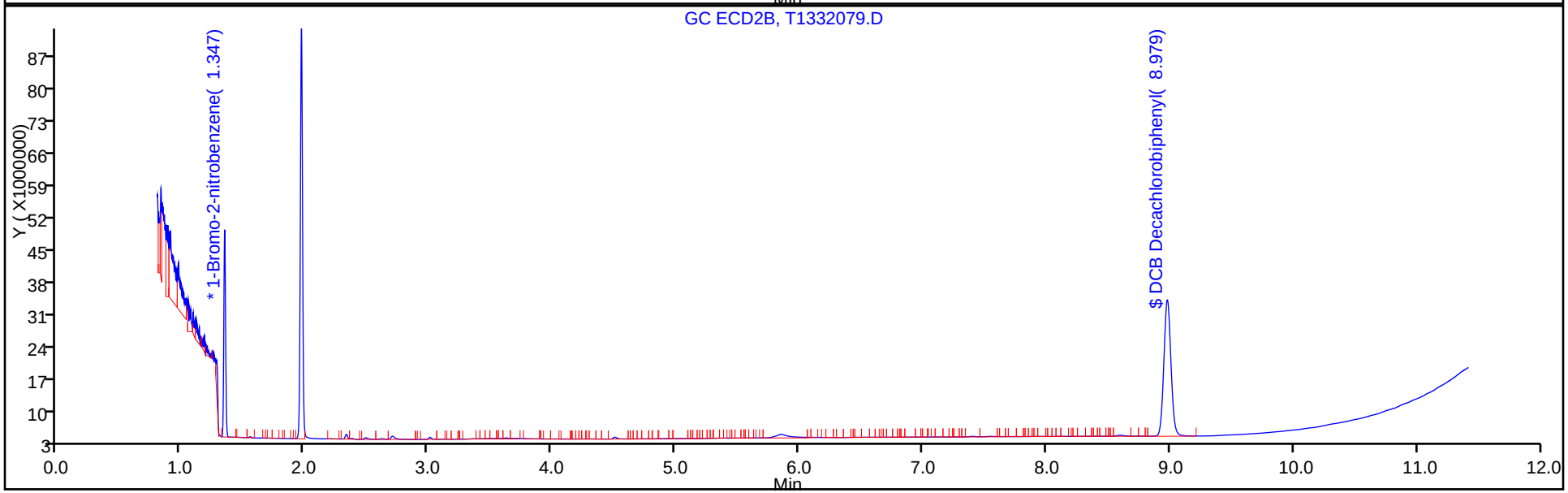
Report Date: 24-Aug-2016 11:37:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332079.D

Injection Date:	23-Aug-2016 16:53:22	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-4-C	Lab Sample ID:	460-118857-4	Worklist Smp#:	12
Client ID:	SB-9 (12-14) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

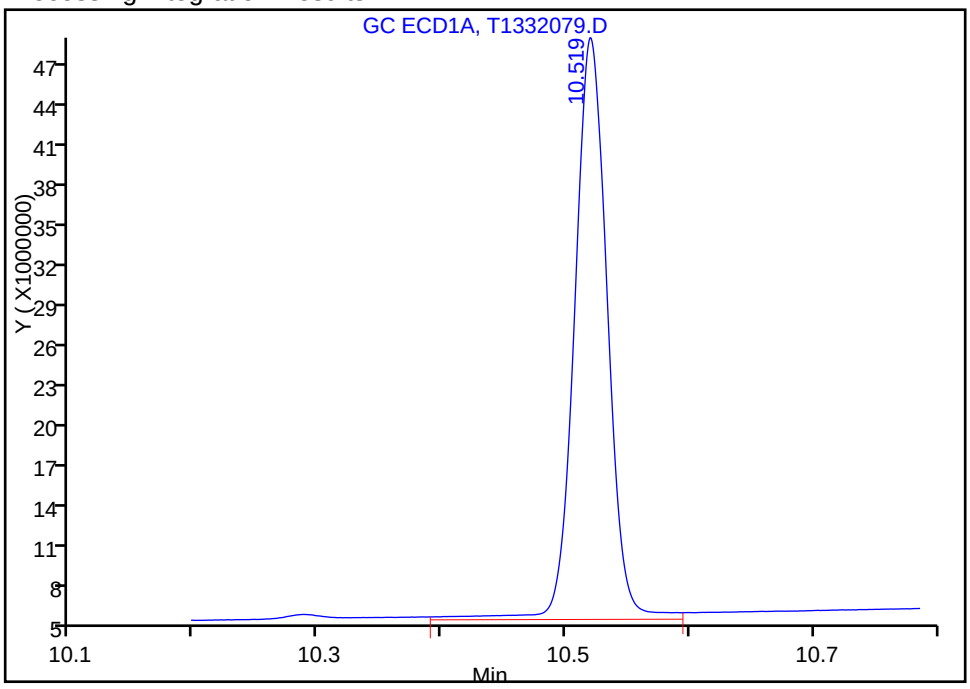
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332079.D				
Injection Date:	23-Aug-2016 16:53:22	Instrument ID:	CPESTGC11		
Lims ID:	460-118857-F-4-C	Lab Sample ID:	460-118857-4		
Client ID:	SB-9 (12-14) 08182016				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

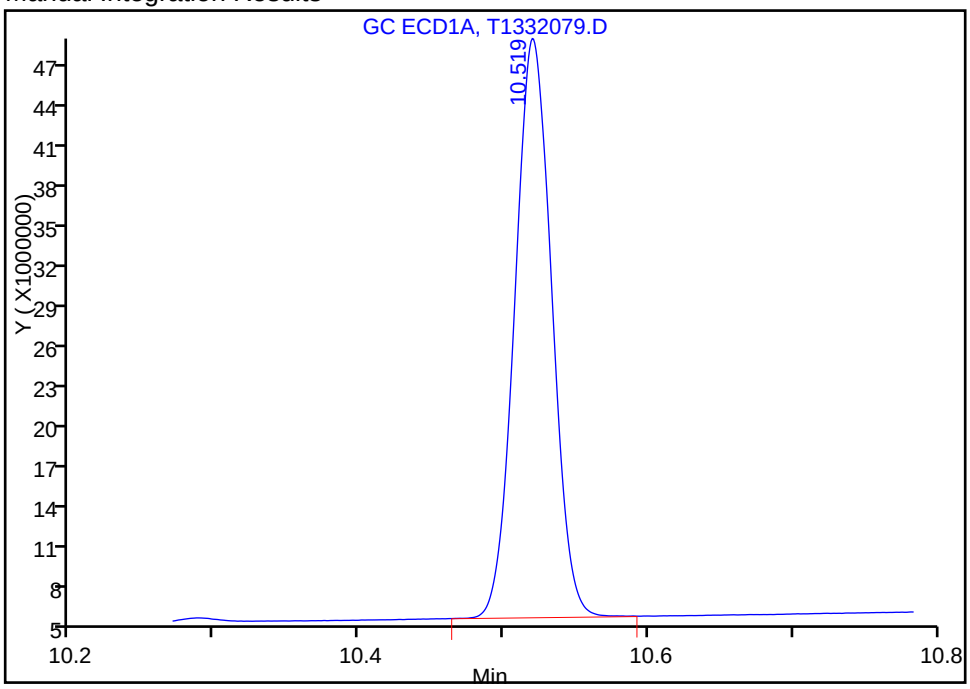
Processing Integration Results

RT: 10.52
Area: 81021447
Amount: 52.427623
Amount Units: ug/l



Manual Integration Results

RT: 10.52
Area: 76753516
Amount: 49.665916
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 11:25:41

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-9 (12-14) 08182016 | Lab Sample ID: 460-118857-4

Matrix: Solid | Lab File ID: T1332079.D

Analysis Method: 8082A | Date Collected: 08/18/2016 09:43

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0071(g) | Date Analyzed: 08/23/2016 16:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 4.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	70	U	70	9.3
11104-28-2	Aroclor 1221	70	U	70	9.3
11141-16-5	Aroclor 1232	70	U	70	9.3
53469-21-9	Aroclor 1242	70	U	70	9.3
12672-29-6	Aroclor 1248	70	U	70	9.3
11097-69-1	Aroclor 1254	70	U	70	9.6
11096-82-5	Aroclor 1260	70	U	70	9.6
11100-14-4	Aroclor 1268	70	U	70	9.6
37324-23-5	Aroclor-1262	70	U	70	9.6
1336-36-3	Polychlorinated biphenyls, Total	70	U	70	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332079.D
Lims ID: 460-118857-F-4-C
Client ID: SB-9 (12-14) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:53:22 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-012
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	43208028	20.0	
2	1.347	1.347	0.000	44893442	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.519	10.514	0.005	76753516	49.7	M
2	8.979	8.983	-0.004	117761300	54.5	
					RPD = 9.28	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

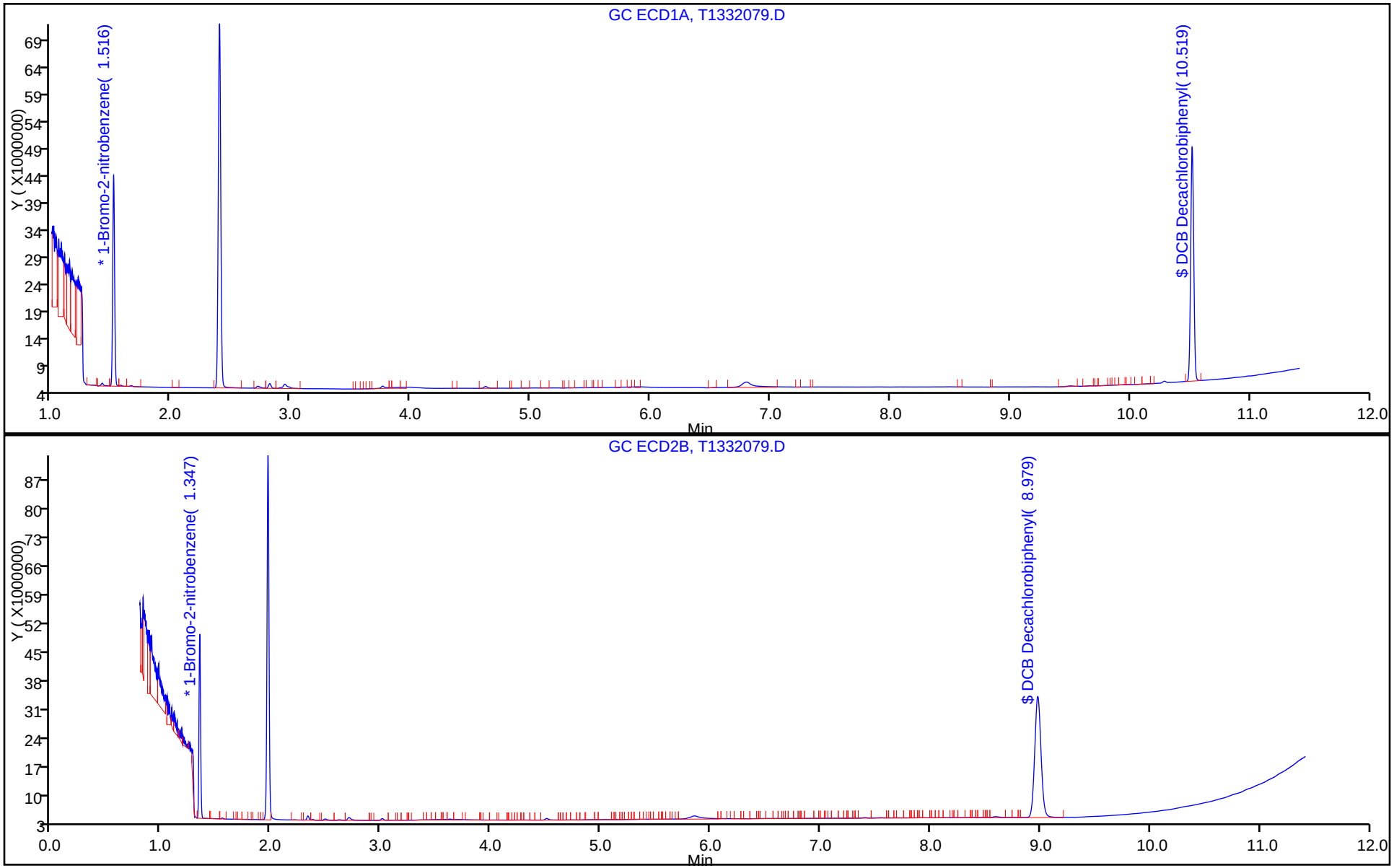
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332079.D

Injection Date:	23-Aug-2016 16:53:22	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-4-C	Lab Sample ID:	460-118857-4	Worklist Smp#:	12
Client ID:	SB-9 (12-14) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 | Lab Sample ID: 460-118857-5

Matrix: Solid | Lab File ID: T1332072.D

Analysis Method: 8082A | Date Collected: 08/18/2016 10:44

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0099(g) | Date Analyzed: 08/23/2016 15:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332072.D
Lims ID: 460-118857-F-5-F
Client ID: SB-8 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 15:07:13 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-005
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 15:26:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	39667187	20.0	
2	1.347	1.347	0.000	41874411	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.400	2.401	-0.001	103449290	59.2	
2	1.968	1.969	-0.001	117069952	62.3	
					RPD = 5.12	

Report Date: 24-Aug-2016 11:37:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332072.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.516	10.514	0.002	87626192	61.8	
2	8.978	8.983	-0.005	129892739	64.4	
					RPD = 4.26	

Reagents:

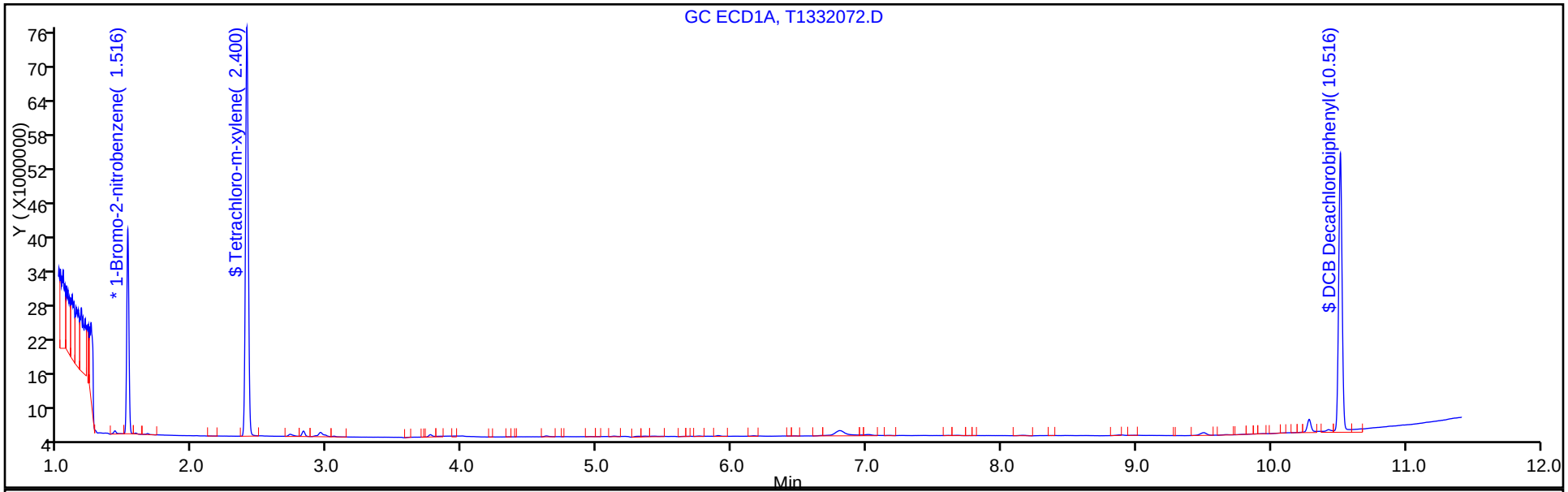
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

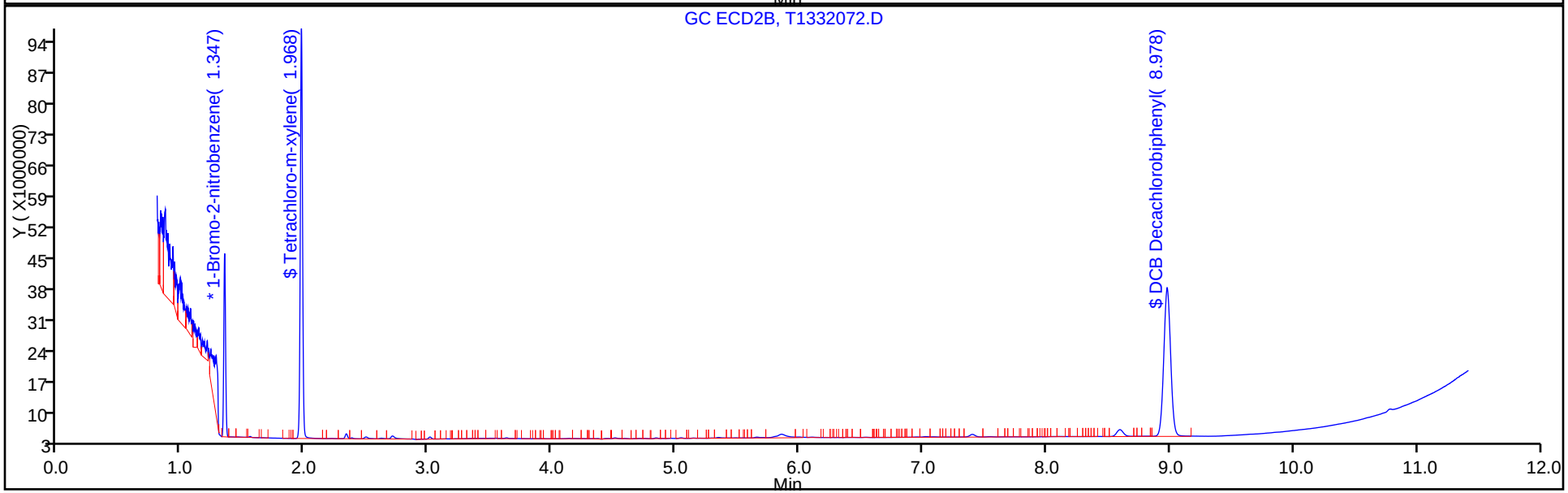
Report Date: 24-Aug-2016 11:37:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332072.D

Injection Date:	23-Aug-2016 15:07:13	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-5-F	Lab Sample ID:	460-118857-5	Worklist Smp#:	5
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 | Lab Sample ID: 460-118857-5

Matrix: Solid | Lab File ID: T1332072.D

Analysis Method: 8082A | Date Collected: 08/18/2016 10:44

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0099(g) | Date Analyzed: 08/23/2016 15:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	71	U	71	9.4
11104-28-2	Aroclor 1221	71	U	71	9.4
11141-16-5	Aroclor 1232	71	U	71	9.4
53469-21-9	Aroclor 1242	71	U	71	9.4
12672-29-6	Aroclor 1248	71	U	71	9.4
11097-69-1	Aroclor 1254	71	U	71	9.7
11096-82-5	Aroclor 1260	71	U	71	9.7
11100-14-4	Aroclor 1268	71	U	71	9.7
37324-23-5	Aroclor-1262	71	U	71	9.7
1336-36-3	Polychlorinated biphenyls, Total	71	U	71	9.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	129		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332072.D
Lims ID: 460-118857-F-5-F
Client ID: SB-8 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 15:07:13 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-005
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 15:26:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	39667187	20.0	
2	1.347	1.347	0.000	41874411	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.400	2.401	-0.001	103449290	59.2	
2	1.968	1.969	-0.001	117069952	62.3	
					RPD = 5.12	

Report Date: 24-Aug-2016 11:37:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46
Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332072.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.516	10.514	0.002	87626192	61.8	
2	8.978	8.983	-0.005	129892739	64.4	
					RPD = 4.26	

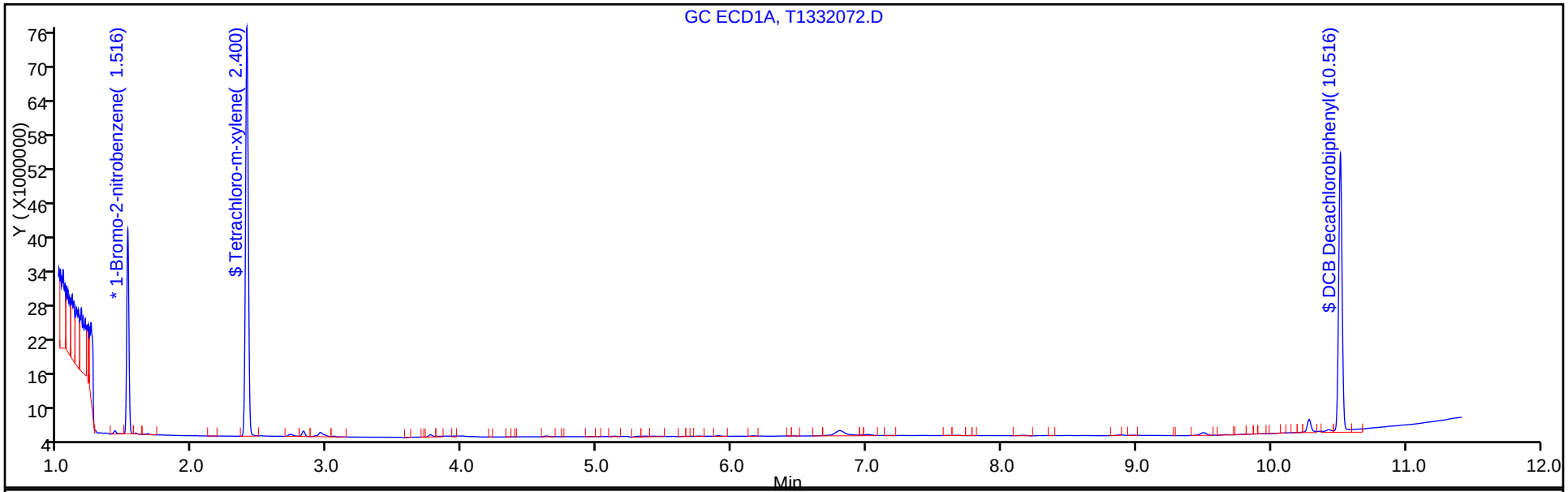
Reagents:

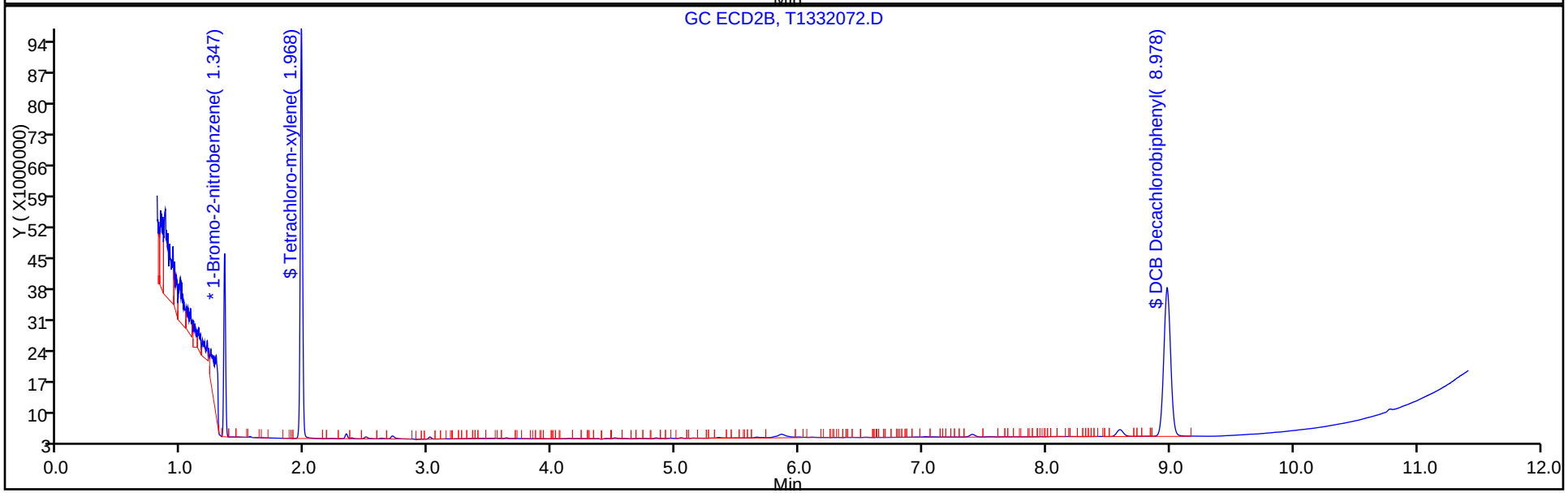
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332072.D				
Injection Date:	23-Aug-2016 15:07:13	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-5-F	Lab Sample ID:	460-118857-5	Worklist Smp#:	5
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (13-15) 08182016 | Lab Sample ID: 460-118857-6

Matrix: Solid | Lab File ID: T1332080.D

Analysis Method: 8082A | Date Collected: 08/18/2016 10:50

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0067(g) | Date Analyzed: 08/23/2016 17:08

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332080.D
Lims ID: 460-118857-F-6-C
Client ID: SB-8 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:08:14 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-013
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	38673660	20.0	
2	1.347	1.347	0.000	40286212	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.520	10.514	0.006	76807045	55.5	
2	8.978	8.983	-0.005	112313768	57.9	
					RPD = 4.22	

Reagents:

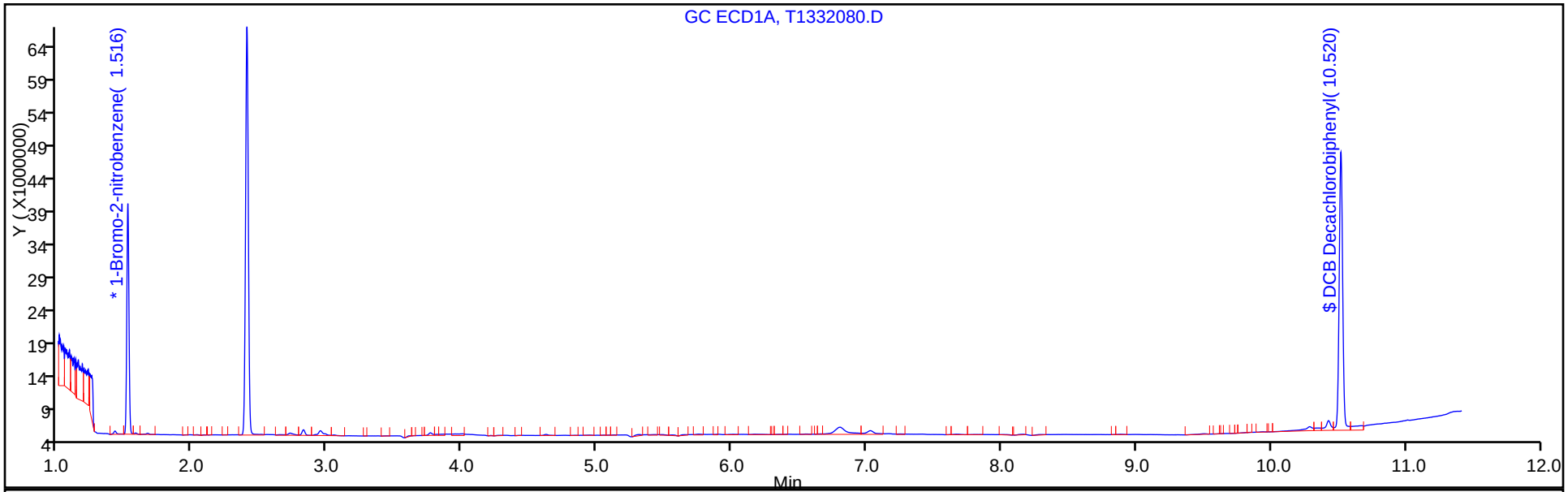
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

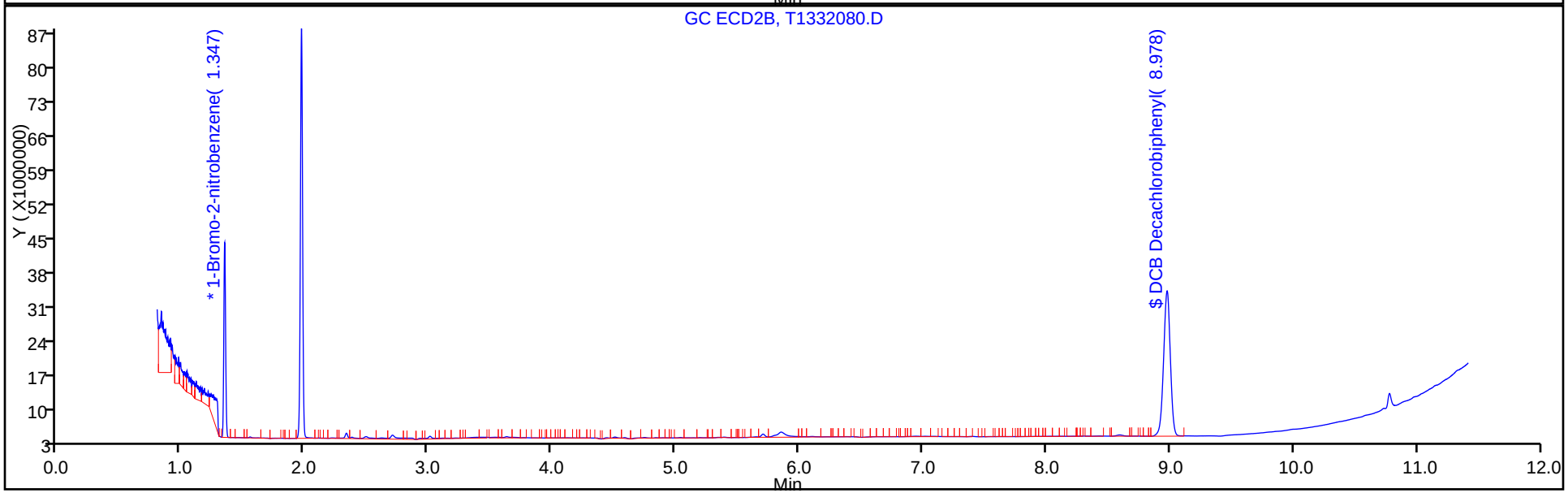
Report Date: 24-Aug-2016 11:37:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332080.D

Injection Date:	23-Aug-2016 17:08:14	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-6-C	Lab Sample ID:	460-118857-6	Worklist Smp#:	13
Client ID:	SB-8 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (13-15) 08182016 | Lab Sample ID: 460-118857-6

Matrix: Solid | Lab File ID: T1332080.D

Analysis Method: 8082A | Date Collected: 08/18/2016 10:50

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0067(g) | Date Analyzed: 08/23/2016 17:08

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	76	U	76	10
11104-28-2	Aroclor 1221	76	U	76	10
11141-16-5	Aroclor 1232	76	U	76	10
53469-21-9	Aroclor 1242	76	U	76	10
12672-29-6	Aroclor 1248	76	U	76	10
11097-69-1	Aroclor 1254	76	U	76	10
11096-82-5	Aroclor 1260	76	U	76	10
11100-14-4	Aroclor 1268	76	U	76	10
37324-23-5	Aroclor-1262	76	U	76	10
1336-36-3	Polychlorinated biphenyls, Total	76	U	76	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332080.D
Lims ID: 460-118857-F-6-C
Client ID: SB-8 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:08:14 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-013
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	38673660	20.0	
2	1.347	1.347	0.000	40286212	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.520	10.514	0.006	76807045	55.5	
2	8.978	8.983	-0.005	112313768	57.9	
					RPD = 4.22	

Reagents:

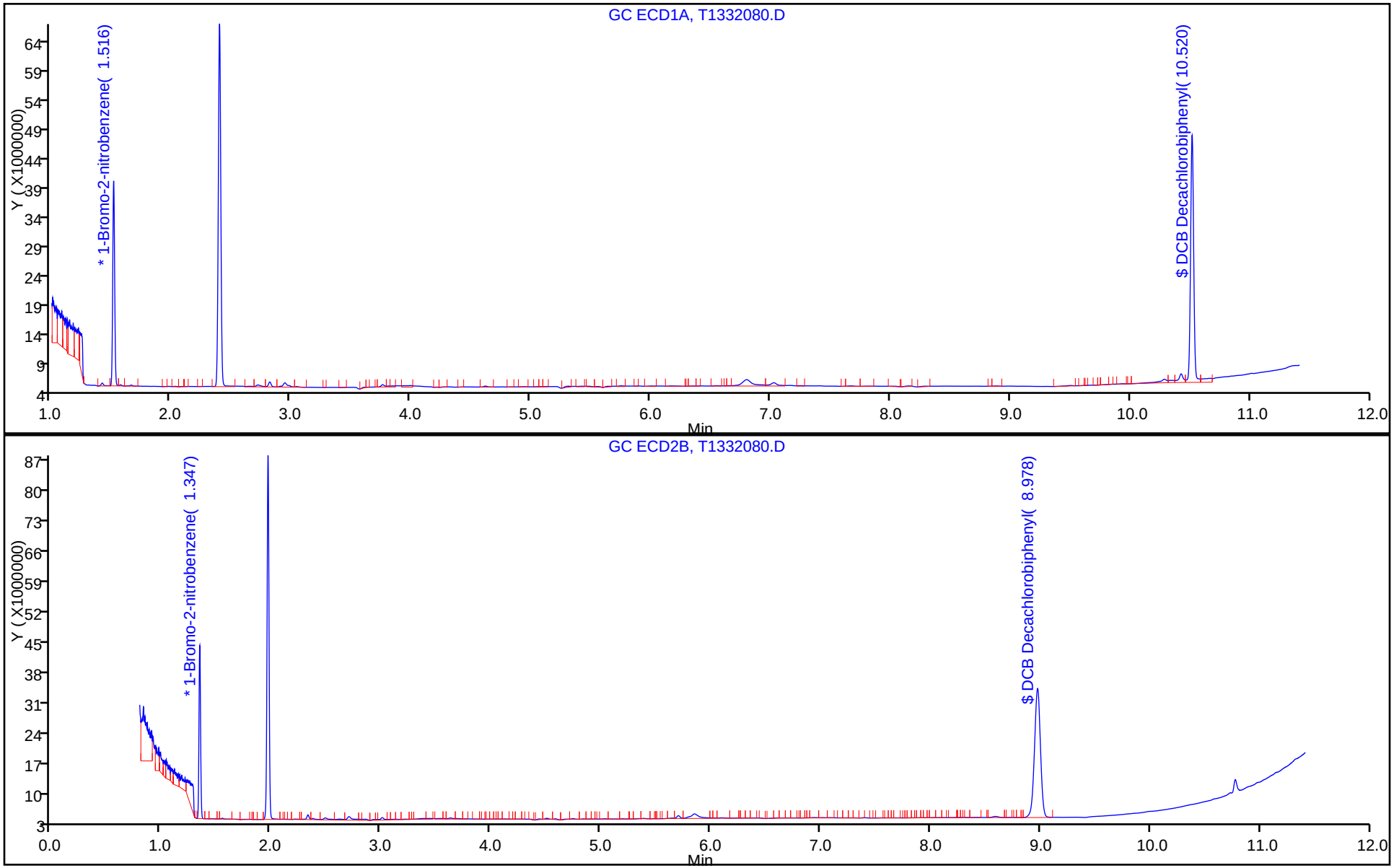
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332080.D

Injection Date:	23-Aug-2016 17:08:14	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-6-C	Lab Sample ID:	460-118857-6	Worklist Smp#:	13
Client ID:	SB-8 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (3-5) 08182016 | Lab Sample ID: 460-118857-7

Matrix: Solid | Lab File ID: T1332081.D

Analysis Method: 8082A | Date Collected: 08/18/2016 11:38

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0050(g) | Date Analyzed: 08/23/2016 17:23

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 7.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332081.D
Lims ID: 460-118857-E-7-C
Client ID: SB-4 (3-5) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:23:07 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-014
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	37316271	20.0	
2	1.347	1.347	0.000	39622135	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.514	10.514	0.000	78452205	58.8	
2	8.975	8.983	-0.008	115240192	60.4	
					RPD = 2.77	

Reagents:

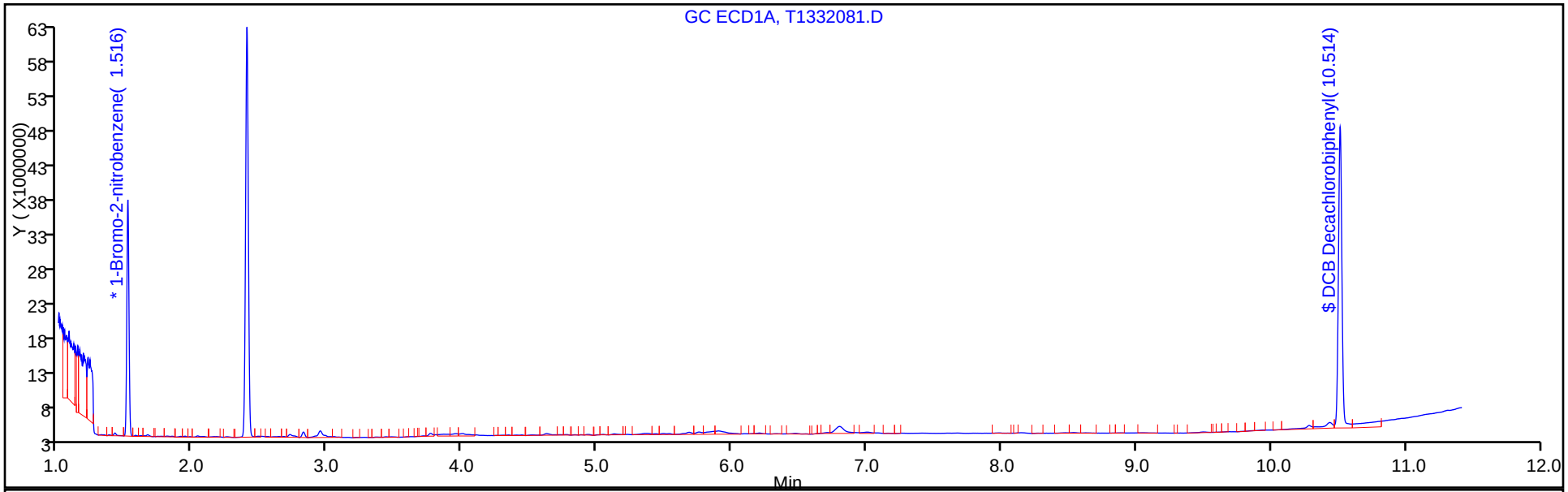
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

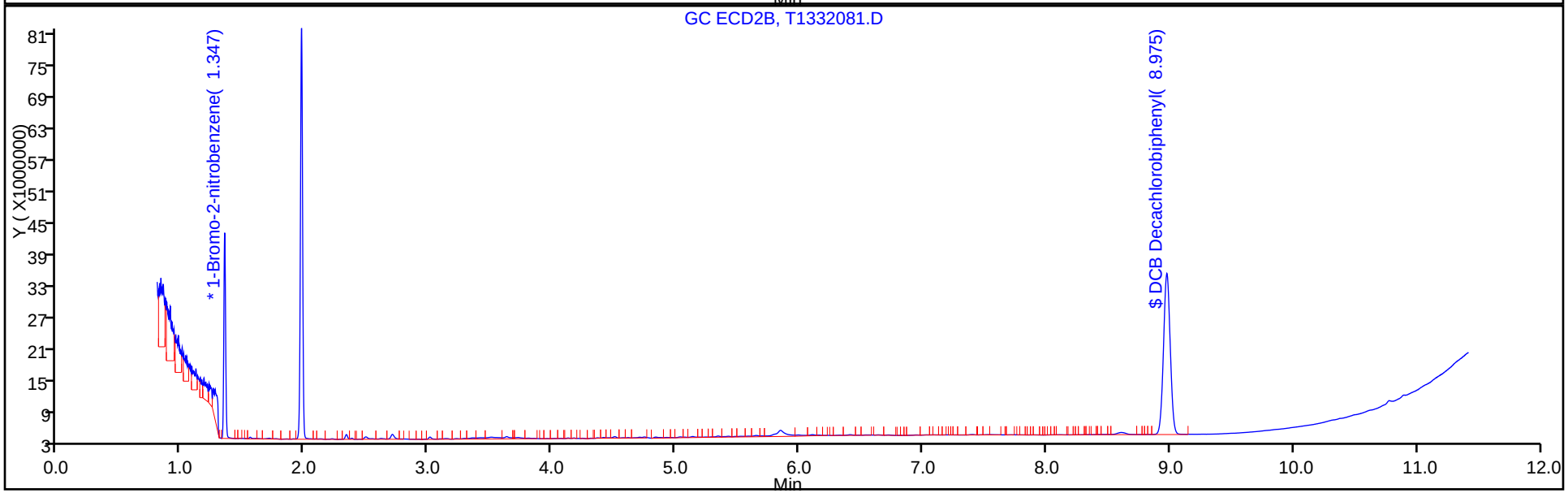
Report Date: 24-Aug-2016 11:37:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332081.D

Injection Date:	23-Aug-2016 17:23:07	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-7-C	Lab Sample ID:	460-118857-7	Worklist Smp#:	14
Client ID:	SB-4 (3-5) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (3-5) 08182016 | Lab Sample ID: 460-118857-7

Matrix: Solid | Lab File ID: T1332081.D

Analysis Method: 8082A | Date Collected: 08/18/2016 11:38

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0050(g) | Date Analyzed: 08/23/2016 17:23

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 7.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	72	U	72	9.6
11104-28-2	Aroclor 1221	72	U	72	9.6
11141-16-5	Aroclor 1232	72	U	72	9.6
53469-21-9	Aroclor 1242	72	U	72	9.6
12672-29-6	Aroclor 1248	72	U	72	9.6
11097-69-1	Aroclor 1254	72	U	72	9.9
11096-82-5	Aroclor 1260	72	U	72	9.9
11100-14-4	Aroclor 1268	72	U	72	9.9
37324-23-5	Aroclor-1262	72	U	72	9.9
1336-36-3	Polychlorinated biphenyls, Total	72	U	72	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	121		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332081.D
Lims ID: 460-118857-E-7-C
Client ID: SB-4 (3-5) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:23:07 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-014
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:25:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	37316271	20.0	
2	1.347	1.347	0.000	39622135	20.0	
				RPD =	0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.514	10.514	0.000	78452205	58.8	
2	8.975	8.983	-0.008	115240192	60.4	
				RPD =	2.77	

Reagents:

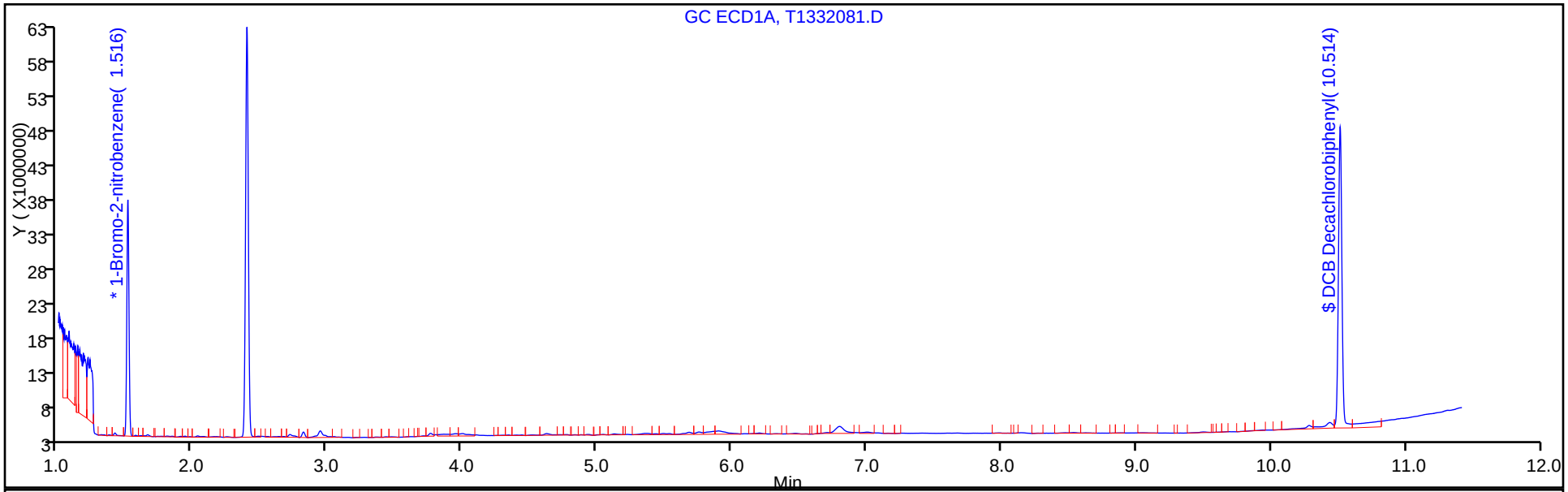
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

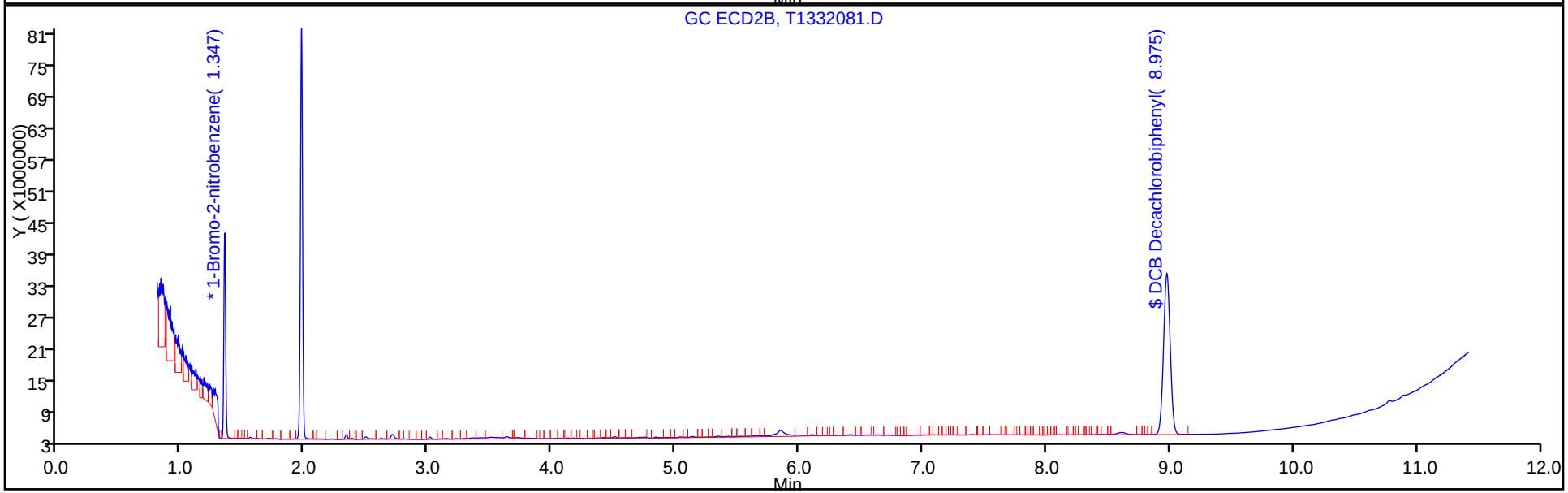
Report Date: 24-Aug-2016 11:37:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332081.D

Injection Date:	23-Aug-2016 17:23:07	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-7-C	Lab Sample ID:	460-118857-7	Worklist Smp#:	14
Client ID:	SB-4 (3-5) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (11-13) 08182016 Lab Sample ID: 460-118857-8

Matrix: Solid Lab File ID: T1332082.D

Analysis Method: 8082A Date Collected: 08/18/2016 11:52

Extraction Method: 3546 Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0028(g) Date Analyzed: 08/23/2016 17:38

Con. Extract Vol.: 10(mL) Dilution Factor: 1

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

% Moisture: 19.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	112		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332082.D
Lims ID: 460-118857-F-8-C
Client ID: SB-4 (11-13) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:38:04 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-015
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	41604832	20.0	
2	1.347	1.347	0.000	43199399	20.0	
				RPD =	0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.519	10.514	0.005	83244661	55.9	
2	8.977	8.983	-0.006	124721690	60.0	
				RPD =	6.98	

Reagents:

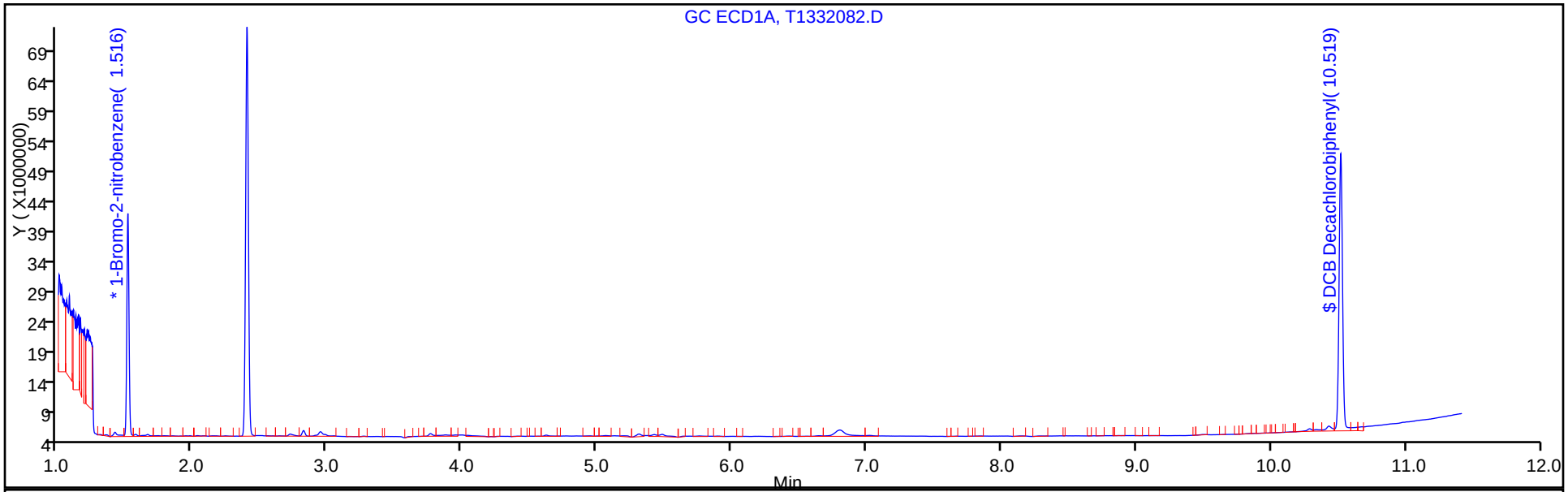
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

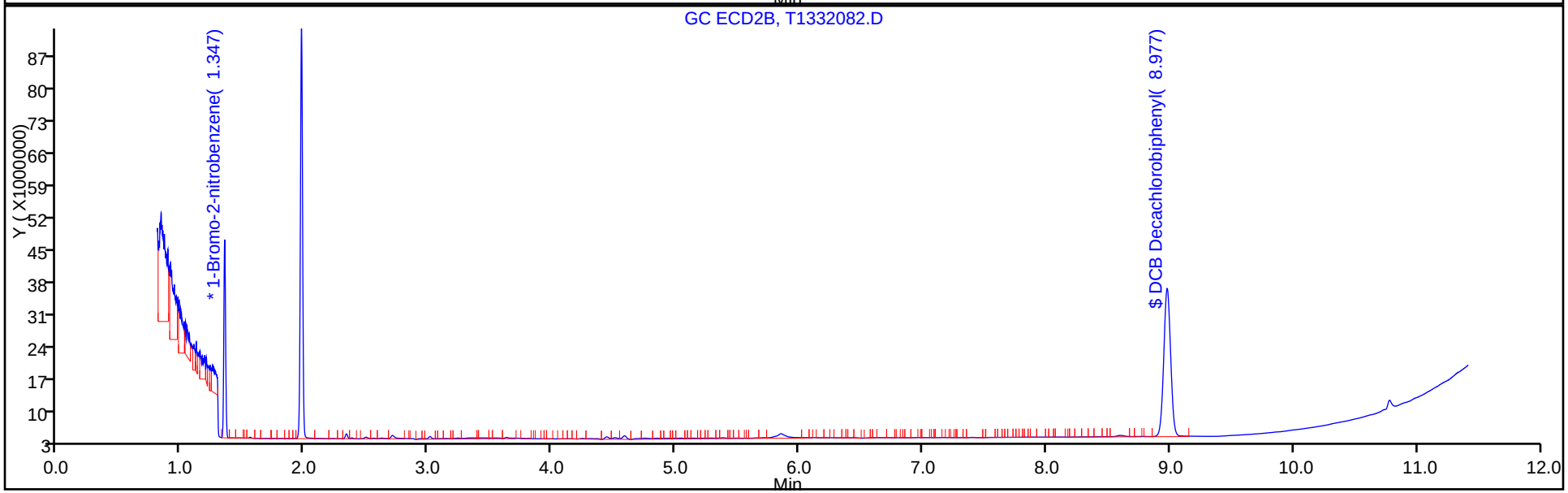
Report Date: 24-Aug-2016 11:37:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332082.D

Injection Date:	23-Aug-2016 17:38:04	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-8-C	Lab Sample ID:	460-118857-8	Worklist Smp#:	15
Client ID:	SB-4 (11-13) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-4 (11-13) 08182016 | Lab Sample ID: 460-118857-8

Matrix: Solid | Lab File ID: T1332082.D

Analysis Method: 8082A | Date Collected: 08/18/2016 11:52

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0028(g) | Date Analyzed: 08/23/2016 17:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	83	U	83	11
11104-28-2	Aroclor 1221	83	U	83	11
11141-16-5	Aroclor 1232	83	U	83	11
53469-21-9	Aroclor 1242	83	U	83	11
12672-29-6	Aroclor 1248	83	U	83	11
11097-69-1	Aroclor 1254	83	U	83	11
11096-82-5	Aroclor 1260	83	U	83	11
11100-14-4	Aroclor 1268	83	U	83	11
37324-23-5	Aroclor-1262	83	U	83	11
1336-36-3	Polychlorinated biphenyls, Total	83	U	83	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	120		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332082.D
Lims ID: 460-118857-F-8-C
Client ID: SB-4 (11-13) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:38:04 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-015
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	41604832	20.0	
2	1.347	1.347	0.000	43199399	20.0	
				RPD =	0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.519	10.514	0.005	83244661	55.9	
2	8.977	8.983	-0.006	124721690	60.0	
				RPD =	6.98	

Reagents:

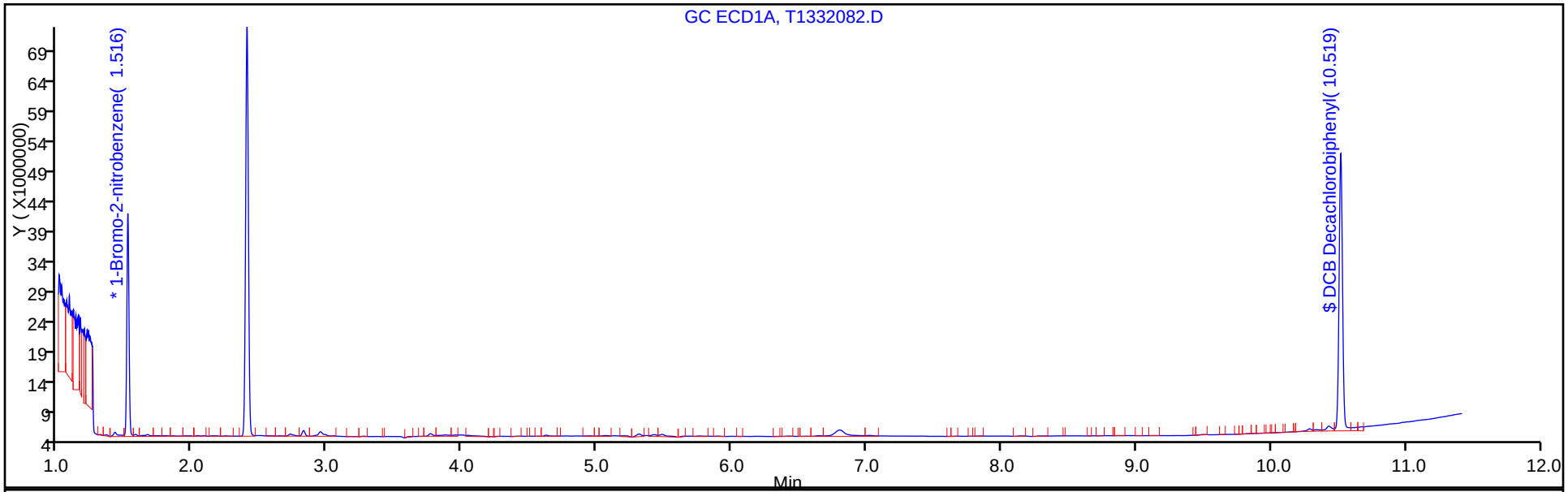
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

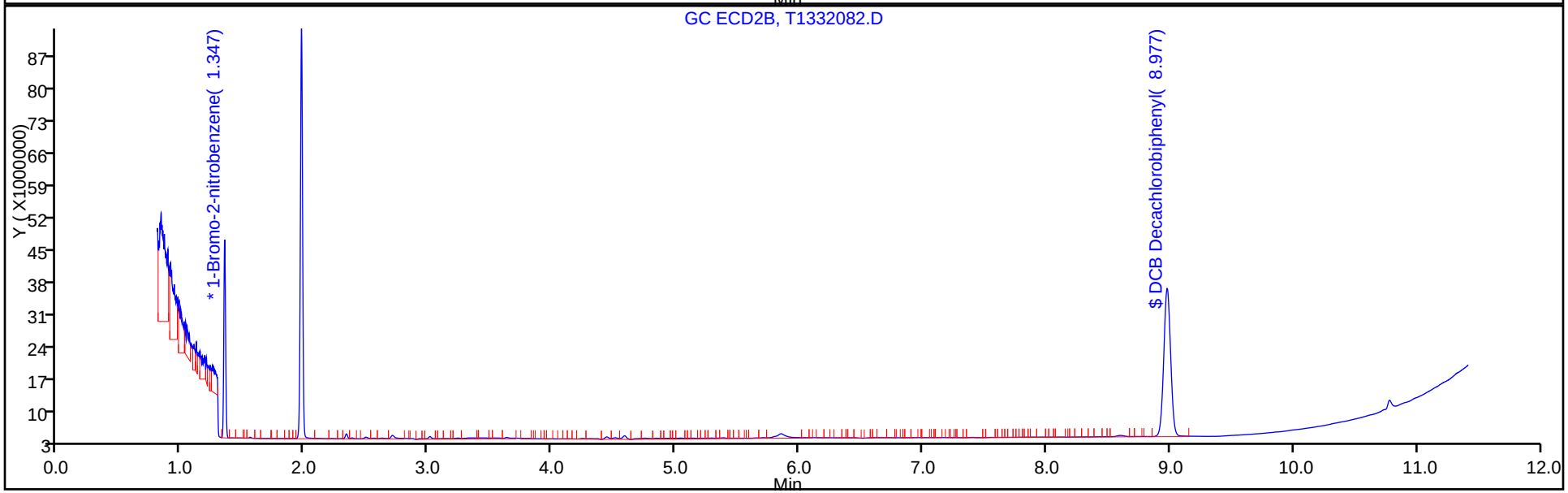
Report Date: 24-Aug-2016 11:37:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332082.D

Injection Date:	23-Aug-2016 17:38:04	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-8-C	Lab Sample ID:	460-118857-8	Worklist Smp#:	15
Client ID:	SB-4 (11-13) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (2-4) 08182016 | Lab Sample ID: 460-118857-9

Matrix: Solid | Lab File ID: T1332083.D

Analysis Method: 8082A | Date Collected: 08/18/2016 12:33

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0119(g) | Date Analyzed: 08/23/2016 17:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 6.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	113		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332083.D
Lims ID: 460-118857-E-9-C
Client ID: SB-6 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:52:57 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-016
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.517	1.516	0.001	39656431	20.0	
2	1.347	1.347	0.000	41134474	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.509	10.514	-0.005	79915962	56.3	
2	8.976	8.983	-0.007	121967024	61.6	
					RPD = 8.92	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

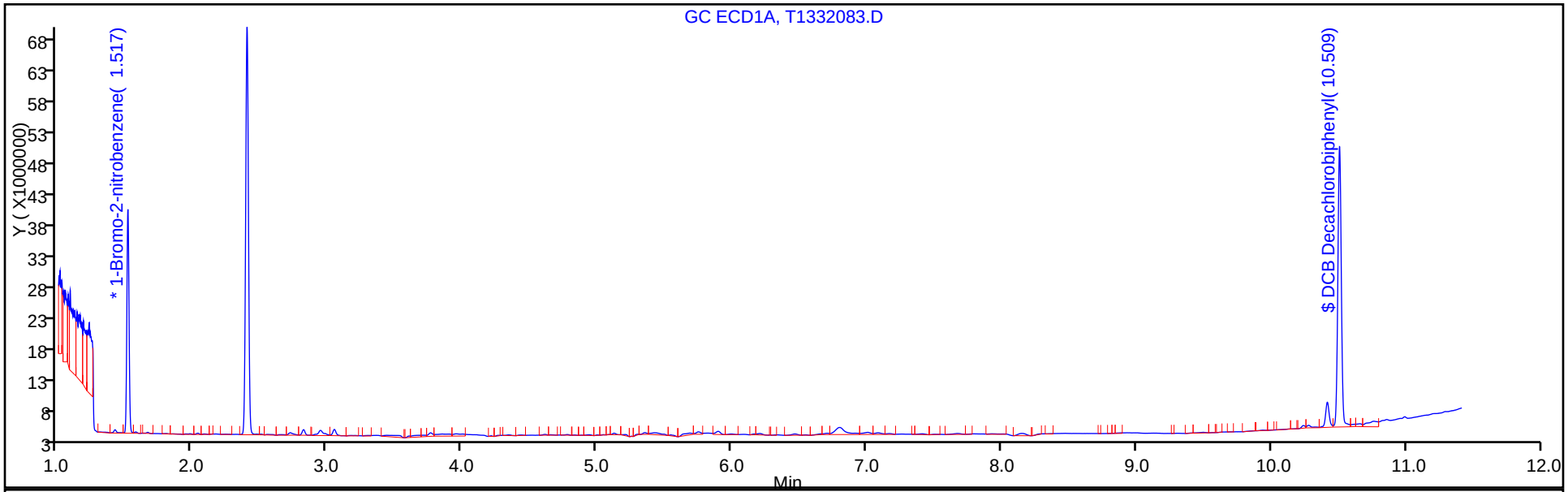
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

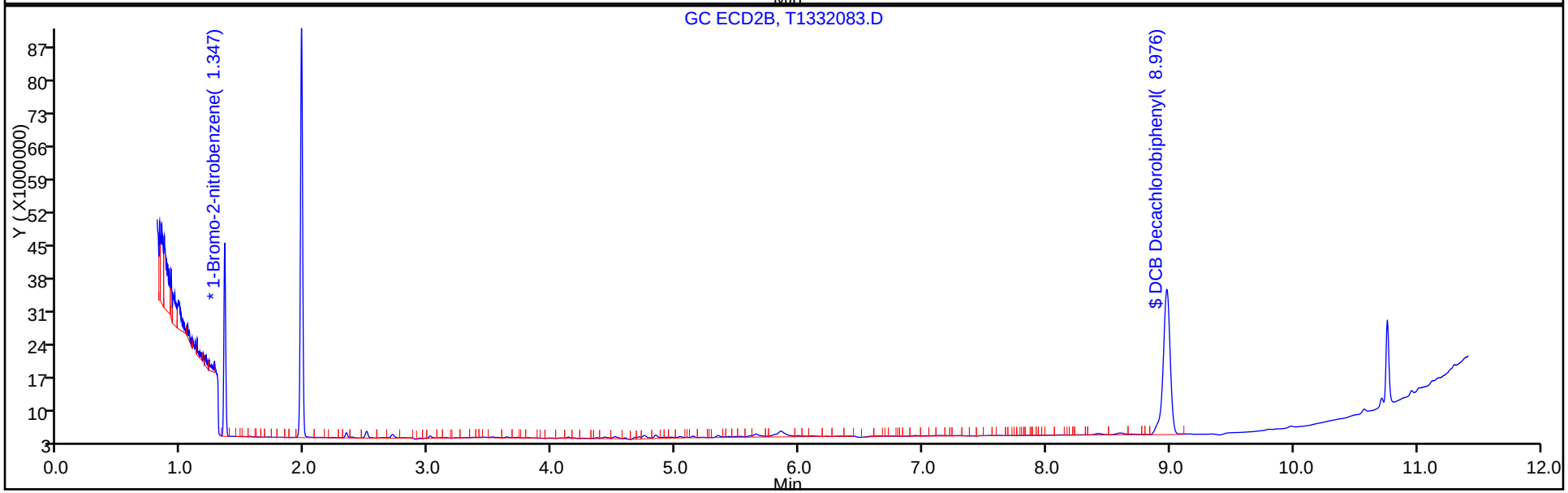
Report Date: 24-Aug-2016 11:37:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332083.D

Injection Date:	23-Aug-2016 17:52:57	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-9-C	Lab Sample ID:	460-118857-9	Worklist Smp#:	16
Client ID:	SB-6 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (2-4) 08182016 | Lab Sample ID: 460-118857-9

Matrix: Solid | Lab File ID: T1332083.D

Analysis Method: 8082A | Date Collected: 08/18/2016 12:33

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0119(g) | Date Analyzed: 08/23/2016 17:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 6.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	71	U	71	9.5
11104-28-2	Aroclor 1221	71	U	71	9.5
11141-16-5	Aroclor 1232	71	U	71	9.5
53469-21-9	Aroclor 1242	71	U	71	9.5
12672-29-6	Aroclor 1248	71	U	71	9.5
11097-69-1	Aroclor 1254	71	U	71	9.8
11096-82-5	Aroclor 1260	71	U	71	9.8
11100-14-4	Aroclor 1268	71	U	71	9.8
37324-23-5	Aroclor-1262	71	U	71	9.8
1336-36-3	Polychlorinated biphenyls, Total	71	U	71	9.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	123		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332083.D
Lims ID: 460-118857-E-9-C
Client ID: SB-6 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:52:57 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-016
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.517	1.516	0.001	39656431	20.0	
2	1.347	1.347	0.000	41134474	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.509	10.514	-0.005	79915962	56.3	
2	8.976	8.983	-0.007	121967024	61.6	
					RPD = 8.92	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

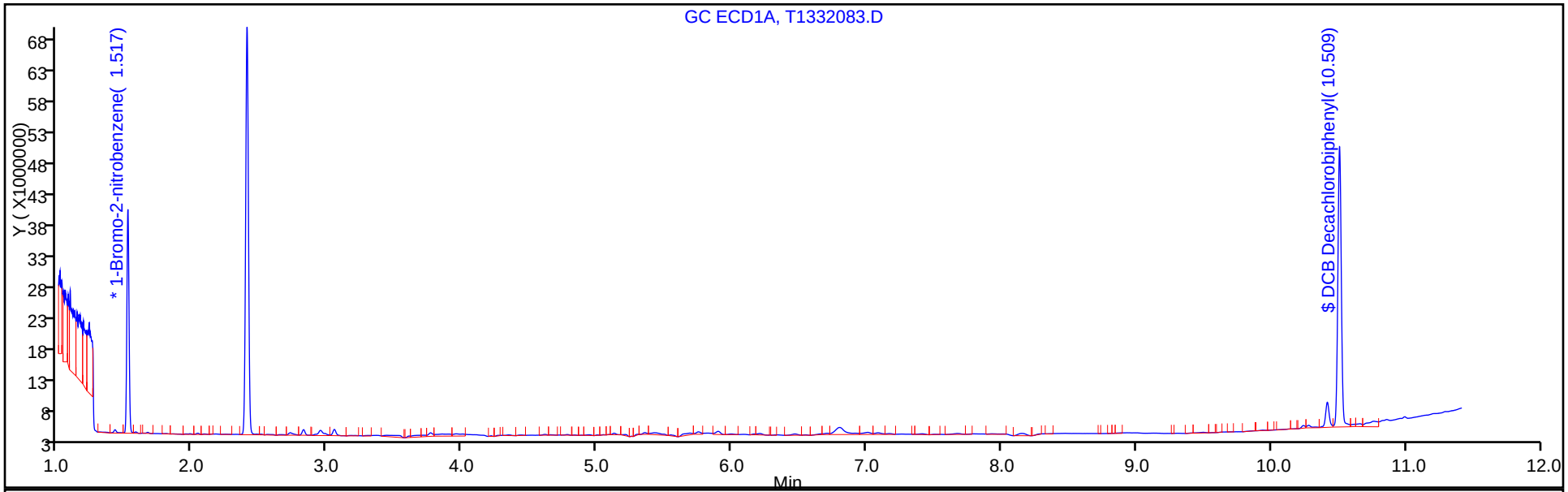
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

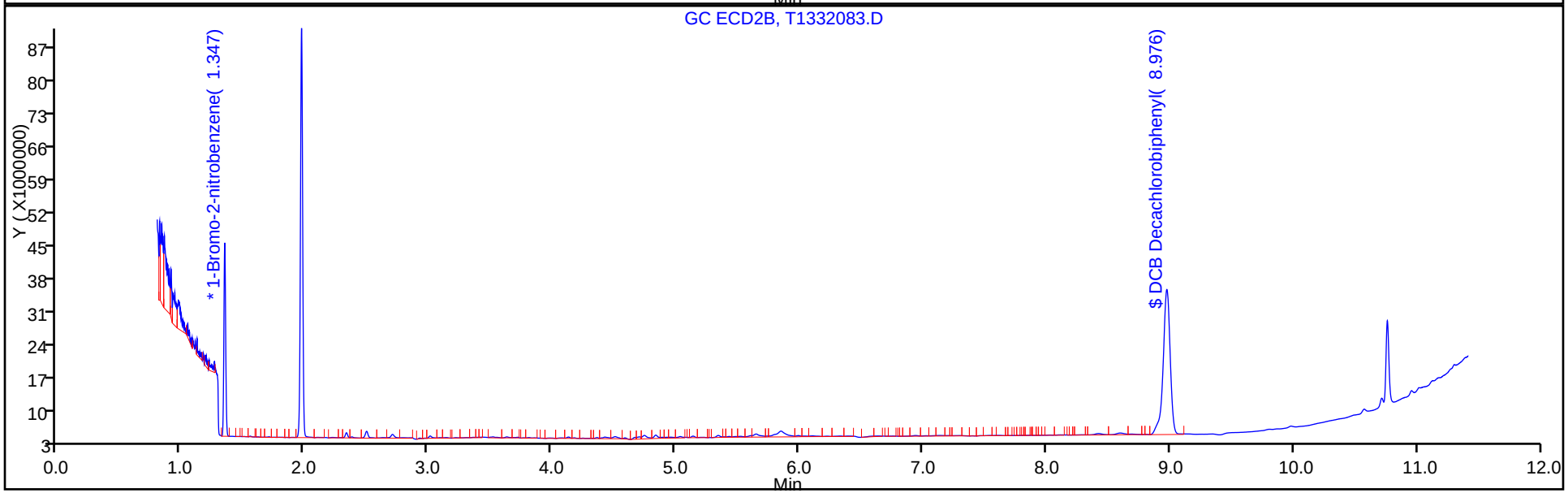
Report Date: 24-Aug-2016 11:37:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332083.D

Injection Date:	23-Aug-2016 17:52:57	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-9-C	Lab Sample ID:	460-118857-9	Worklist Smp#:	16
Client ID:	SB-6 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

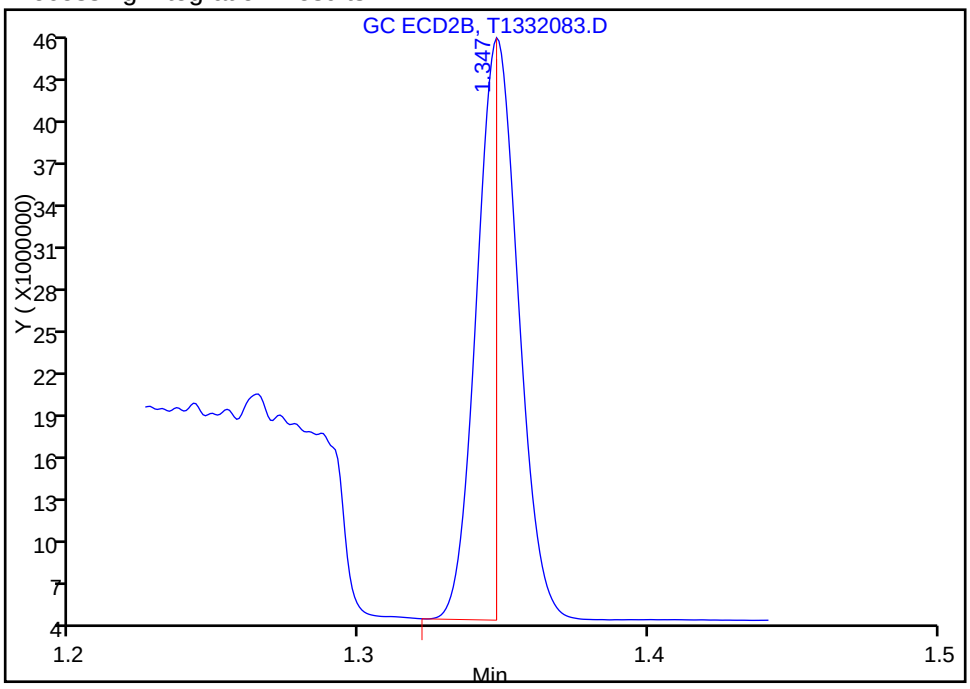
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332083.D				
Injection Date:	23-Aug-2016 17:52:57	Instrument ID:	CPESTGC11		
Lims ID:	460-118857-E-9-C	Lab Sample ID:	460-118857-9		
Client ID:	SB-6 (2-4) 08182016				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

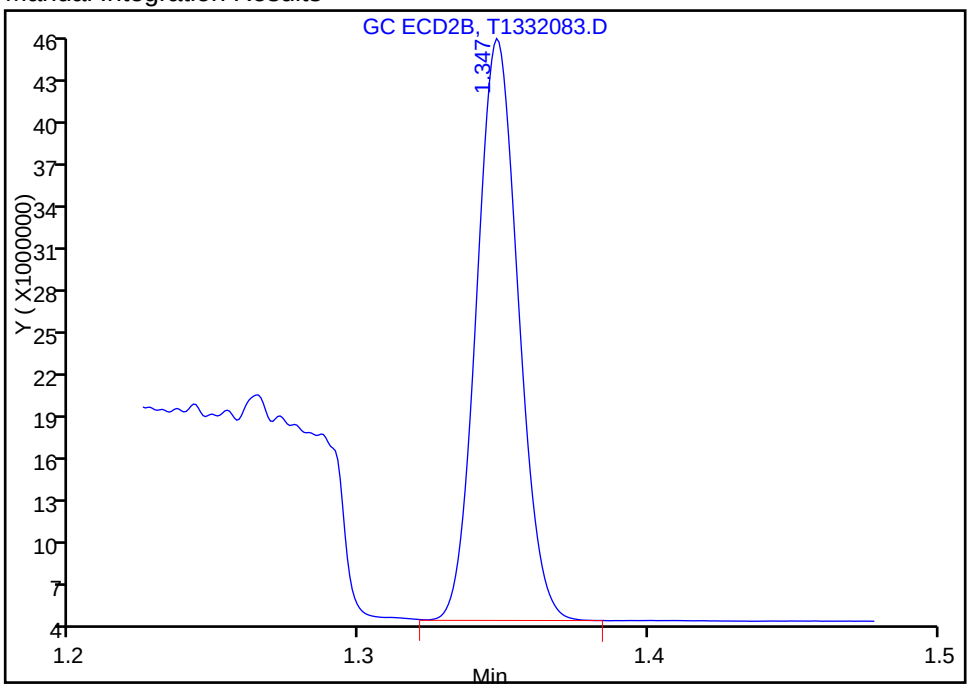
Processing Integration Results

RT: 1.35
Area: 19361187
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.35
Area: 41134474
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 11:26:14

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (13-15) 08182016 Lab Sample ID: 460-118857-10

Matrix: Solid Lab File ID: T1332084.D

Analysis Method: 8082A Date Collected: 08/18/2016 12:55

Extraction Method: 3546 Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0447(g) Date Analyzed: 08/23/2016 18:07

Con. Extract Vol.: 10(mL) Dilution Factor: 1

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

% Moisture: 4.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	103		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332084.D
Lims ID: 460-118857-E-10-C
Client ID: SB-6 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 18:07:52 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-017
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.516	1.516	0.000	41513941	20.0	
2	1.347	1.347	0.000	43474197	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.510	10.514	-0.004	76450382	51.5	
2	8.980	8.983	-0.003	114703981	54.8	
					RPD = 6.27	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

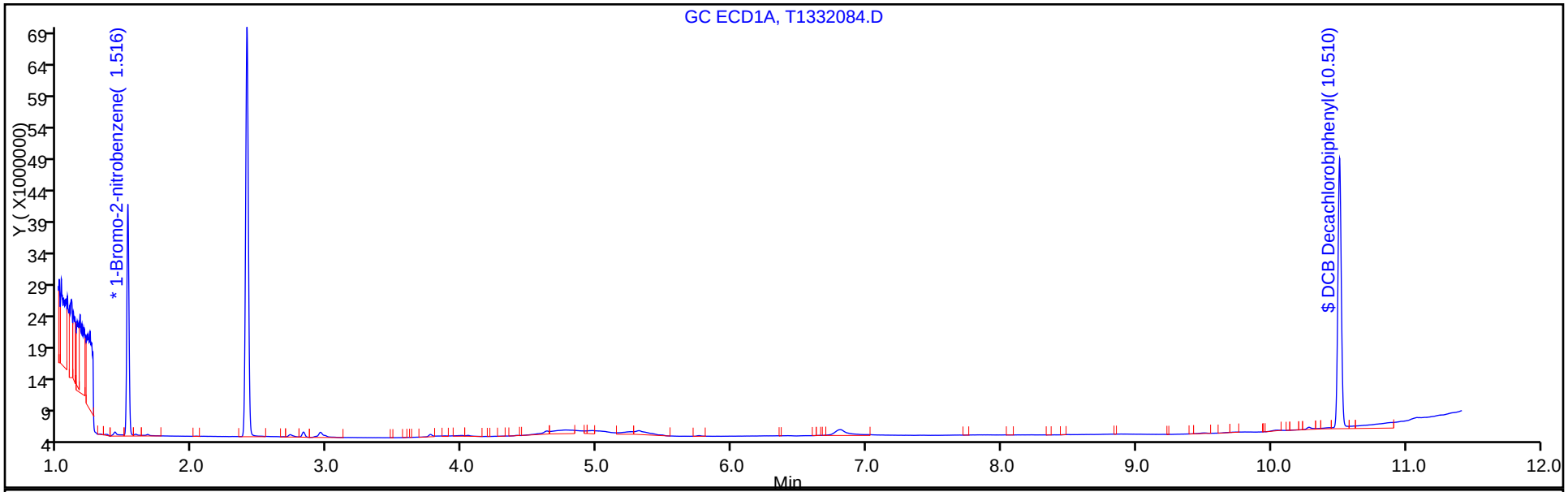
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

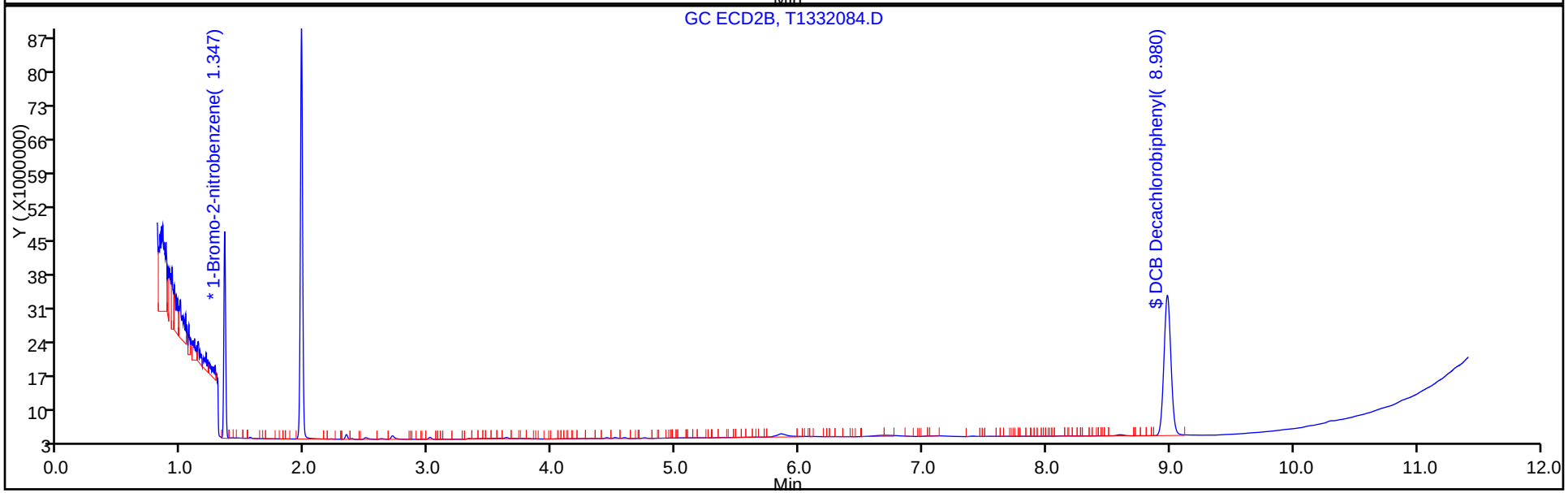
Report Date: 24-Aug-2016 11:37:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332084.D

Injection Date:	23-Aug-2016 18:07:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-10-C	Lab Sample ID:	460-118857-10	Worklist Smp#:	17
Client ID:	SB-6 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-6 (13-15) 08182016 | Lab Sample ID: 460-118857-10

Matrix: Solid | Lab File ID: T1332084.D

Analysis Method: 8082A | Date Collected: 08/18/2016 12:55

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0447(g) | Date Analyzed: 08/23/2016 18:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 4.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	70	U	70	9.3
11104-28-2	Aroclor 1221	70	U	70	9.3
11141-16-5	Aroclor 1232	70	U	70	9.3
53469-21-9	Aroclor 1242	70	U	70	9.3
12672-29-6	Aroclor 1248	70	U	70	9.3
11097-69-1	Aroclor 1254	70	U	70	9.6
11096-82-5	Aroclor 1260	70	U	70	9.6
11100-14-4	Aroclor 1268	70	U	70	9.6
37324-23-5	Aroclor-1262	70	U	70	9.6
1336-36-3	Polychlorinated biphenyls, Total	70	U	70	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	110		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332084.D
Lims ID: 460-118857-E-10-C
Client ID: SB-6 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 18:07:52 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-017
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.516	1.516	0.000	41513941	20.0	
2	1.347	1.347	0.000	43474197	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.510	10.514	-0.004	76450382	51.5	
2	8.980	8.983	-0.003	114703981	54.8	
					RPD = 6.27	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

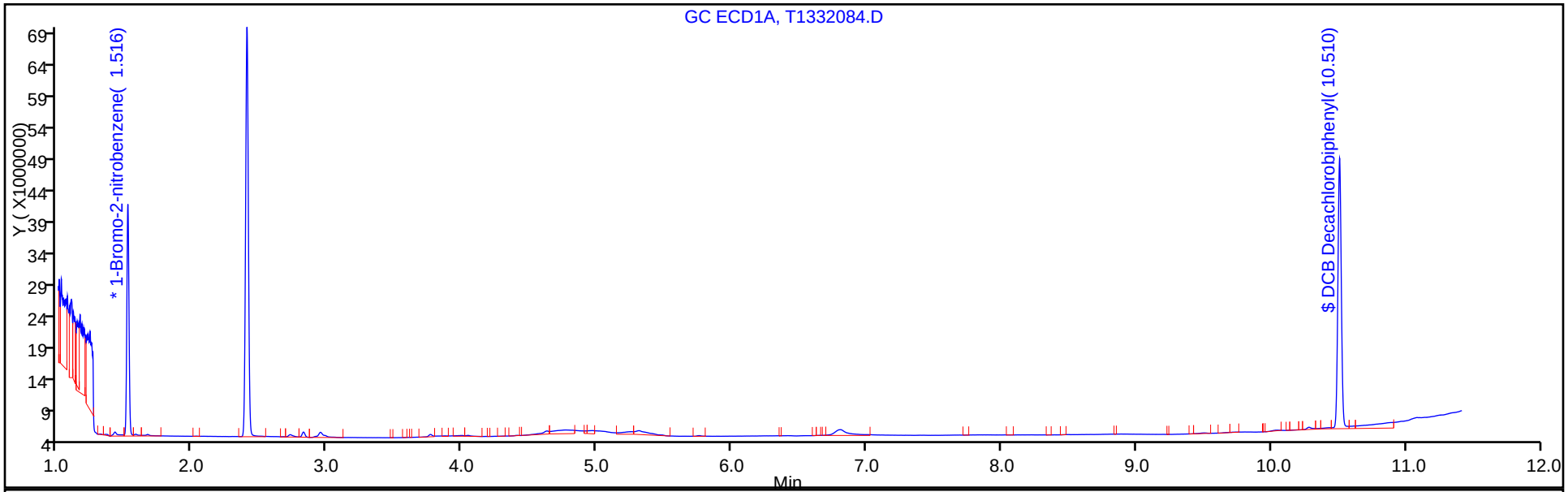
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

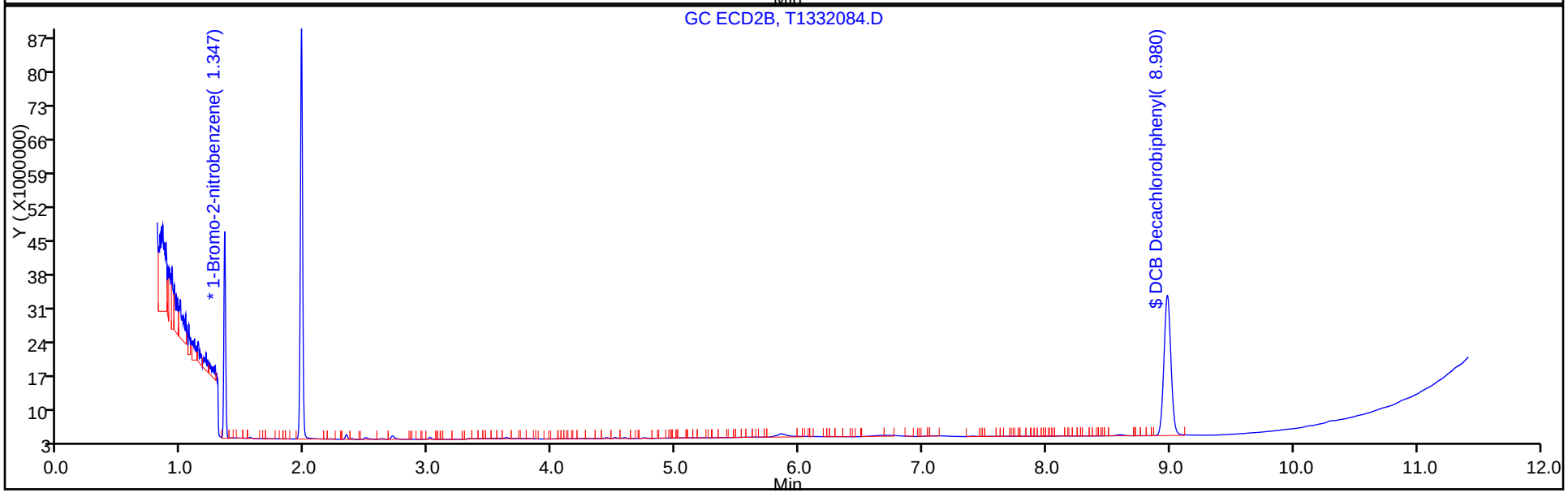
Report Date: 24-Aug-2016 11:37:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332084.D

Injection Date:	23-Aug-2016 18:07:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-10-C	Lab Sample ID:	460-118857-10	Worklist Smp#:	17
Client ID:	SB-6 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

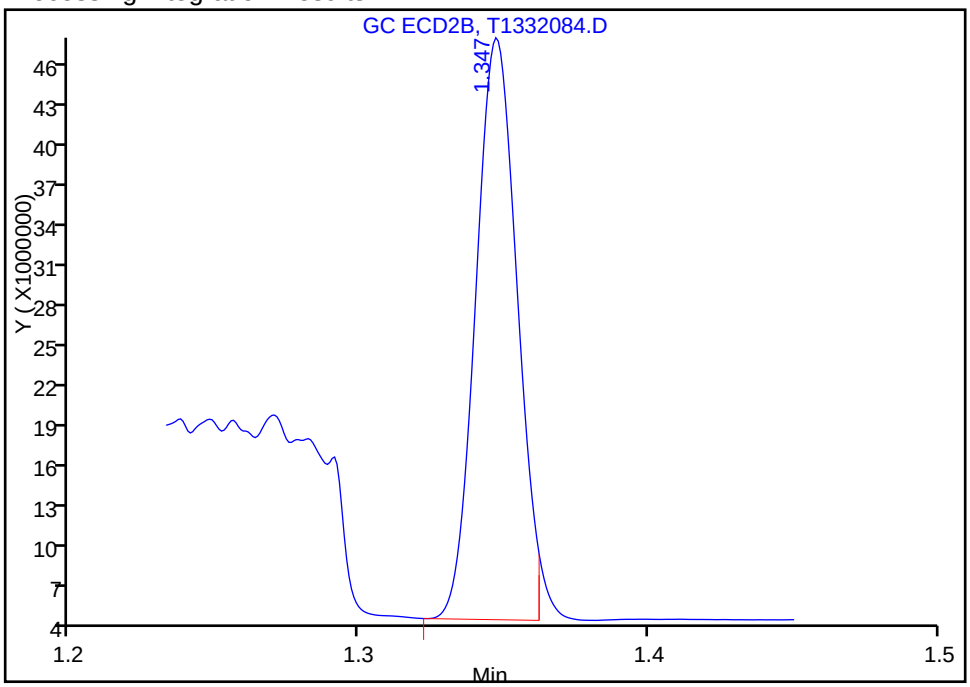
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332084.D				
Injection Date:	23-Aug-2016 18:07:52	Instrument ID:	CPESTGC11		
Lims ID:	460-118857-E-10-C	Lab Sample ID:	460-118857-10		
Client ID:	SB-6 (13-15) 08182016				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

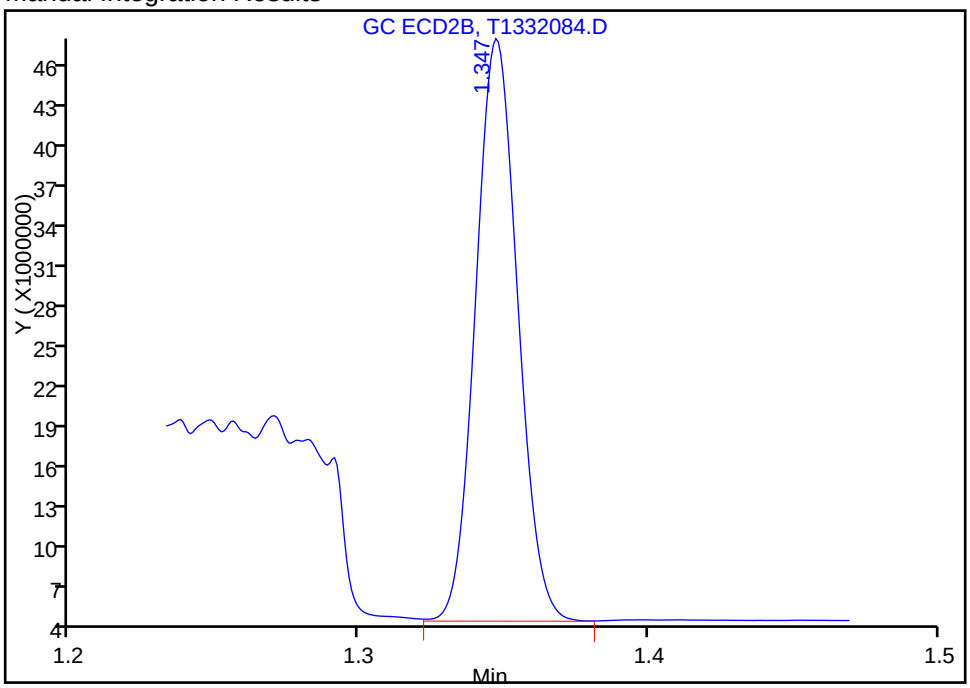
Processing Integration Results

RT: 1.35
Area: 42281691
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.35
Area: 43474197
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 11:26:25

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (2-4) 08182016 | Lab Sample ID: 460-118857-11

Matrix: Solid | Lab File ID: T1332085.D

Analysis Method: 8082A | Date Collected: 08/18/2016 13:58

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0103(g) | Date Analyzed: 08/23/2016 18:22

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 2.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332085.D
Lims ID: 460-118857-E-11-C
Client ID: SB-5 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 18:22:45 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-018
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	39009004	20.0	
2	1.347	1.347	0.000	40144203	20.0	
				RPD =	0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.511	10.514	-0.003	77182421	55.3	
2	8.983	8.983	0.000	119830891	62.0	
				RPD =	11.42	

Reagents:

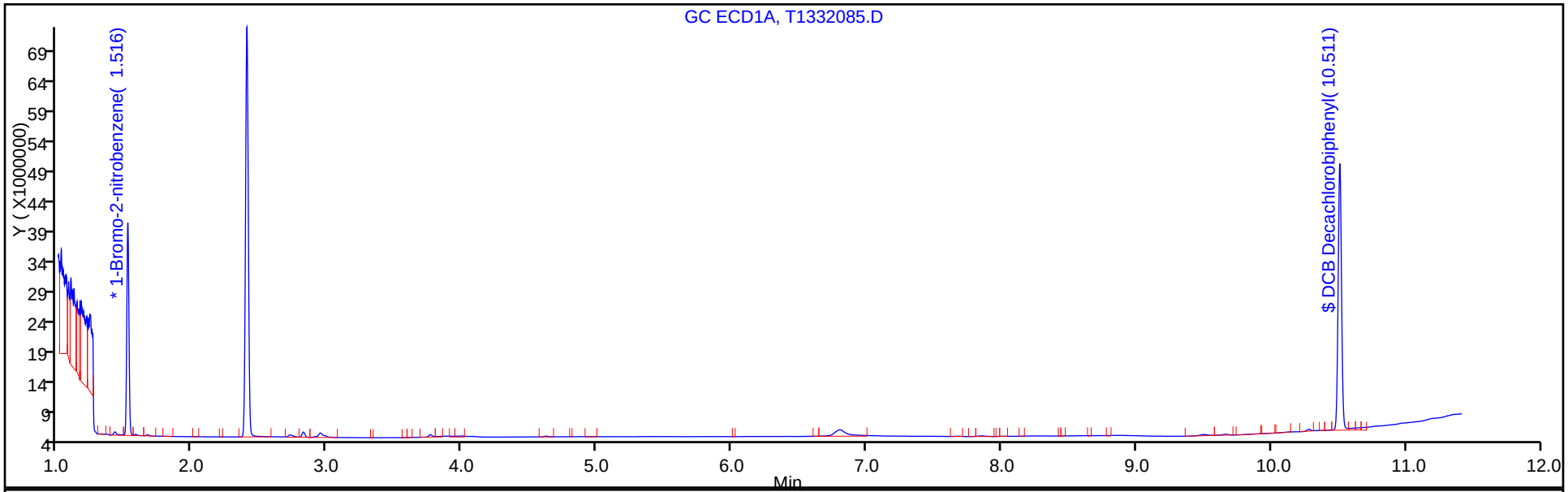
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

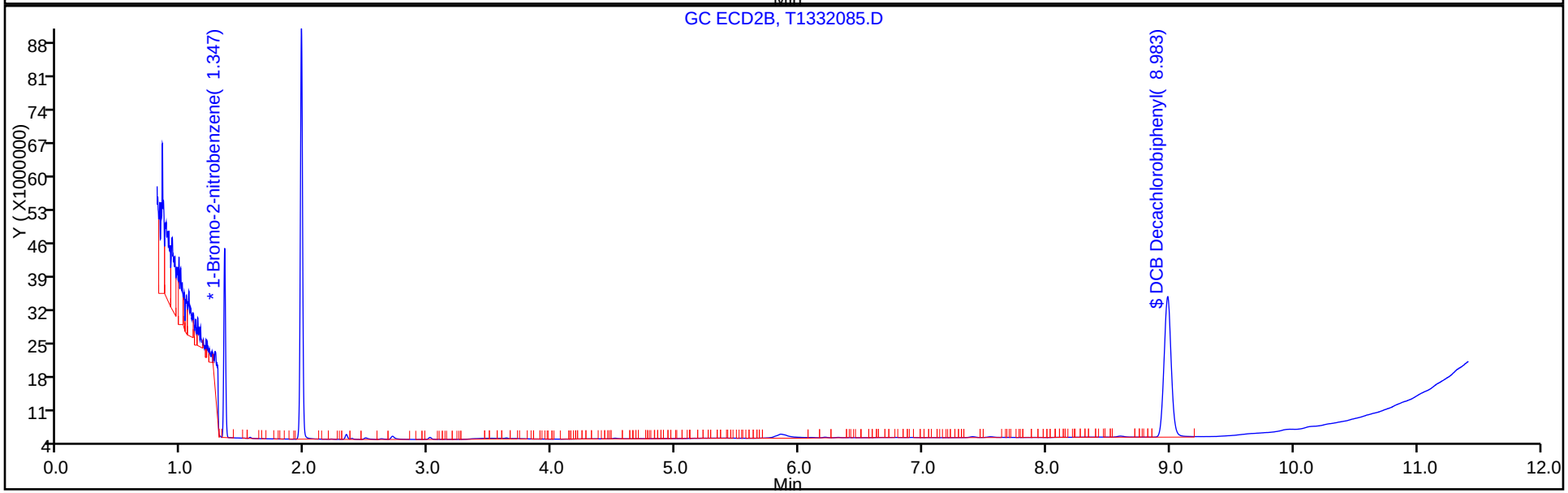
Report Date: 24-Aug-2016 11:37:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332085.D

Injection Date:	23-Aug-2016 18:22:45	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-11-C	Lab Sample ID:	460-118857-11	Worklist Smp#:	18
Client ID:	SB-5 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (2-4) 08182016 | Lab Sample ID: 460-118857-11

Matrix: Solid | Lab File ID: T1332085.D

Analysis Method: 8082A | Date Collected: 08/18/2016 13:58

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0103(g) | Date Analyzed: 08/23/2016 18:22

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 2.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	69	U	69	9.1
11104-28-2	Aroclor 1221	69	U	69	9.1
11141-16-5	Aroclor 1232	69	U	69	9.1
53469-21-9	Aroclor 1242	69	U	69	9.1
12672-29-6	Aroclor 1248	69	U	69	9.1
11097-69-1	Aroclor 1254	69	U	69	9.4
11096-82-5	Aroclor 1260	69	U	69	9.4
11100-14-4	Aroclor 1268	69	U	69	9.4
37324-23-5	Aroclor-1262	69	U	69	9.4
1336-36-3	Polychlorinated biphenyls, Total	69	U	69	9.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332085.D
Lims ID: 460-118857-E-11-C
Client ID: SB-5 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 18:22:45 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-018
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	39009004	20.0	
2	1.347	1.347	0.000	40144203	20.0	
				RPD =	0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.511	10.514	-0.003	77182421	55.3	
2	8.983	8.983	0.000	119830891	62.0	
				RPD =	11.42	

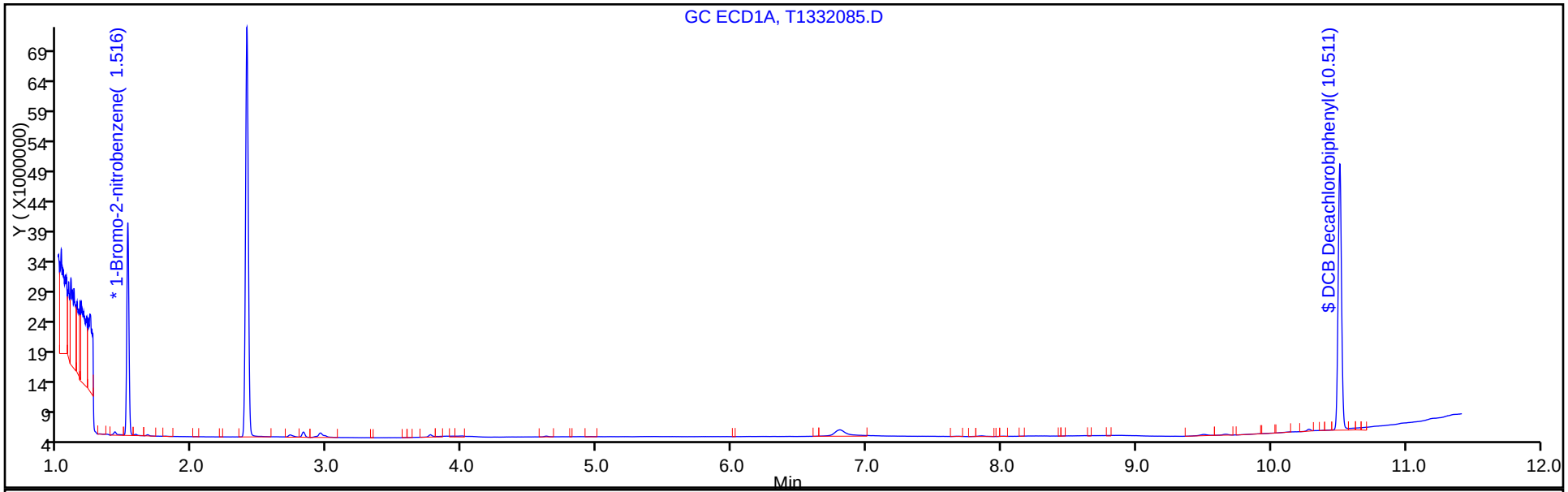
Reagents:

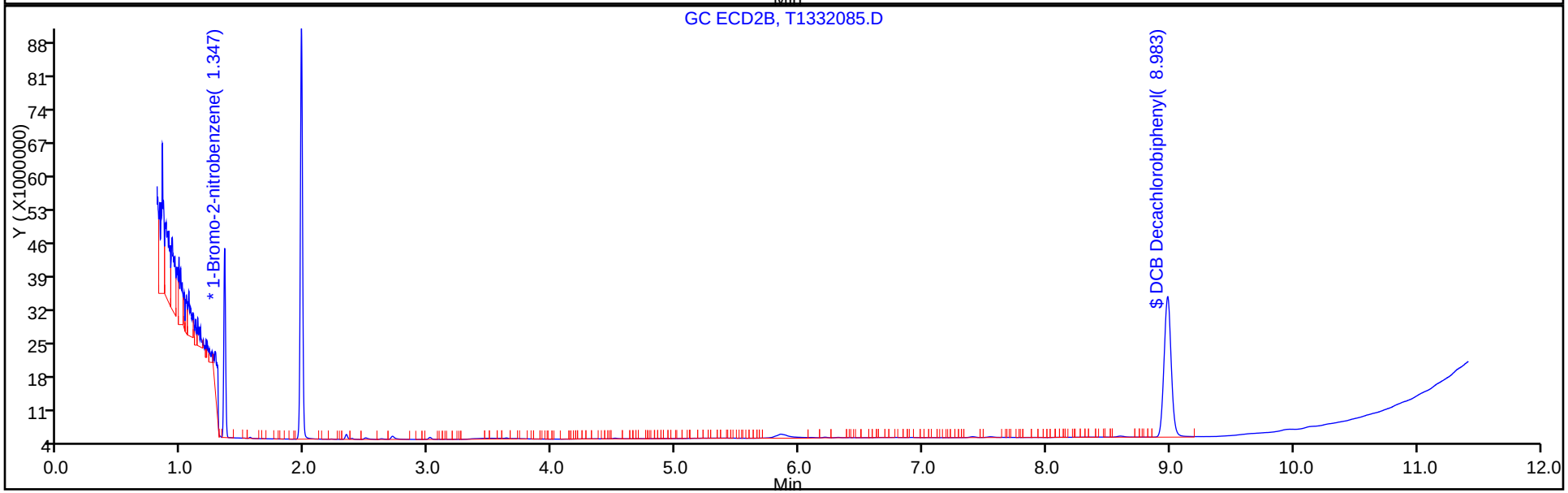
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332085.D				
Injection Date:	23-Aug-2016 18:22:45	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-11-C	Lab Sample ID:	460-118857-11	Worklist Smp#:	18
Client ID:	SB-5 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (13-15) 08182016 | Lab Sample ID: 460-118857-12

Matrix: Solid | Lab File ID: T1332086.D

Analysis Method: 8082A | Date Collected: 08/18/2016 14:10

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0043(g) | Date Analyzed: 08/23/2016 18:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332086.D
Lims ID: 460-118857-F-12-C
Client ID: SB-5 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 18:37:37 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-019
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.517	1.516	0.001	37971996	20.0	
2	1.347	1.347	0.000	39520901	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.502	10.514	-0.012	79493499	58.5	
2	8.979	8.983	-0.004	120252551	63.2	
					RPD = 7.70	

Reagents:

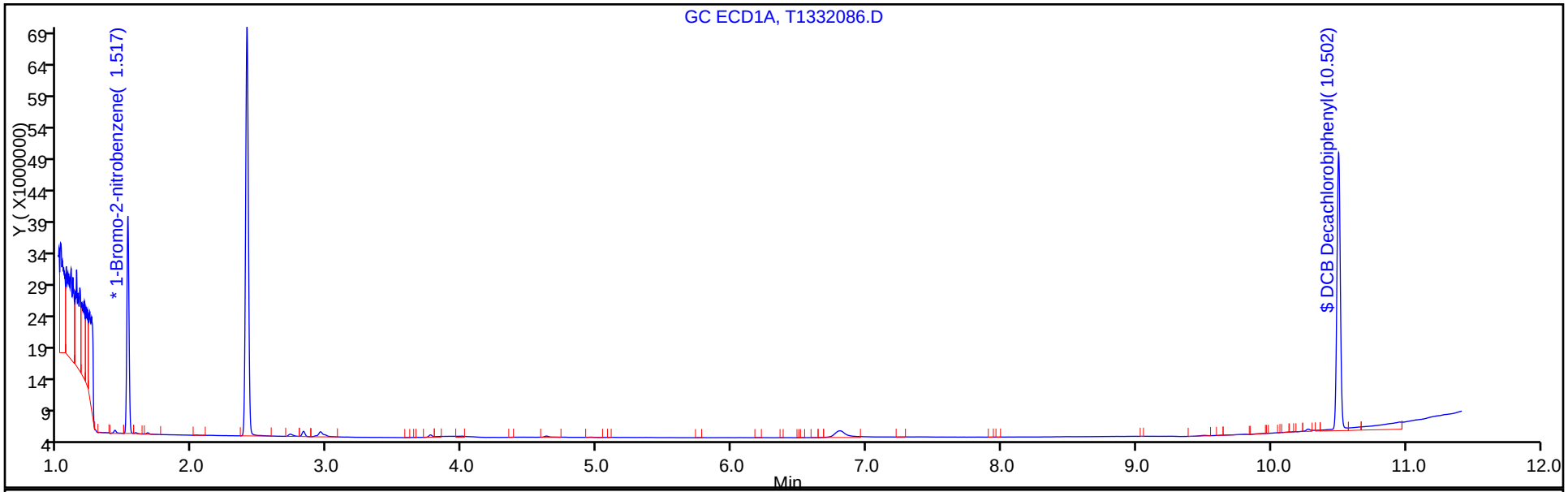
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

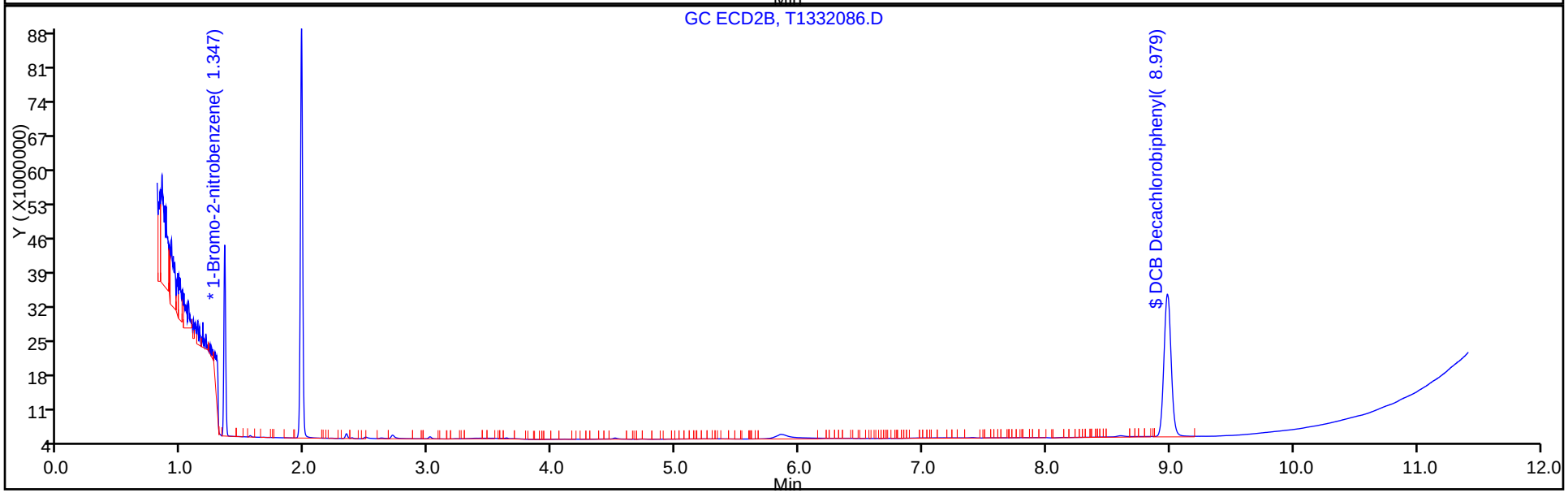
Report Date: 24-Aug-2016 11:37:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332086.D

Injection Date:	23-Aug-2016 18:37:37	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-12-C	Lab Sample ID:	460-118857-12	Worklist Smp#:	19
Client ID:	SB-5 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-5 (13-15) 08182016 | Lab Sample ID: 460-118857-12

Matrix: Solid | Lab File ID: T1332086.D

Analysis Method: 8082A | Date Collected: 08/18/2016 14:10

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0043(g) | Date Analyzed: 08/23/2016 18:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 3.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	70	U	70	9.2
11104-28-2	Aroclor 1221	70	U	70	9.2
11141-16-5	Aroclor 1232	70	U	70	9.2
53469-21-9	Aroclor 1242	70	U	70	9.2
12672-29-6	Aroclor 1248	70	U	70	9.2
11097-69-1	Aroclor 1254	70	U	70	9.6
11096-82-5	Aroclor 1260	70	U	70	9.6
11100-14-4	Aroclor 1268	70	U	70	9.6
37324-23-5	Aroclor-1262	70	U	70	9.6
1336-36-3	Polychlorinated biphenyls, Total	70	U	70	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332086.D
Lims ID: 460-118857-F-12-C
Client ID: SB-5 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 18:37:37 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-019
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.517	1.516	0.001	37971996	20.0	
2	1.347	1.347	0.000	39520901	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.502	10.514	-0.012	79493499	58.5	
2	8.979	8.983	-0.004	120252551	63.2	
					RPD = 7.70	

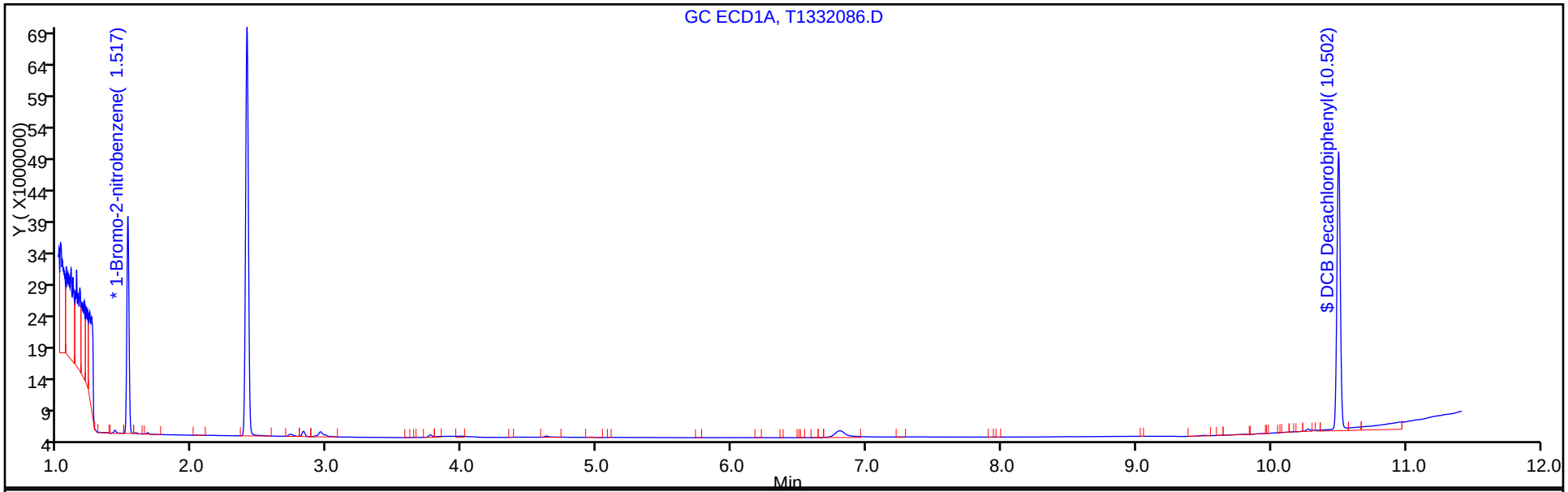
Reagents:

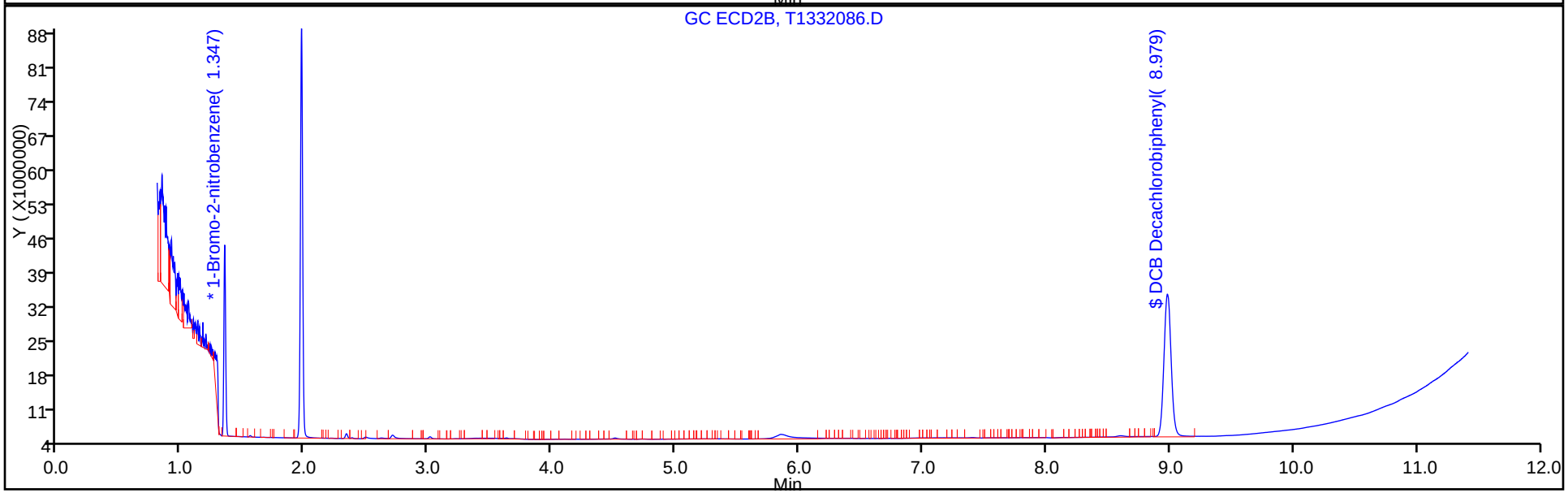
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332086.D				
Injection Date:	23-Aug-2016 18:37:37	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-12-C	Lab Sample ID:	460-118857-12	Worklist Smp#:	19
Client ID:	SB-5 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (2-4) 08182016 Lab Sample ID: 460-118857-13

Matrix: Solid Lab File ID: T1332087.D

Analysis Method: 8082A Date Collected: 08/18/2016 14:42

Extraction Method: 3546 Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0133(g) Date Analyzed: 08/23/2016 18:52

Con. Extract Vol.: 10(mL) Dilution Factor: 1

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

% Moisture: 9.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	120		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332087.D
Lims ID: 460-118857-E-13-C
Client ID: SB-7 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 18:52:32 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-020
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.517	1.516	0.001	37913279	20.0	
2	1.347	1.347	0.000	39690048	20.0	
				RPD =	0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.505	10.514	-0.009	81426615	60.0	
2	8.978	8.983	-0.005	120236457	62.9	
				RPD =	4.71	

Reagents:

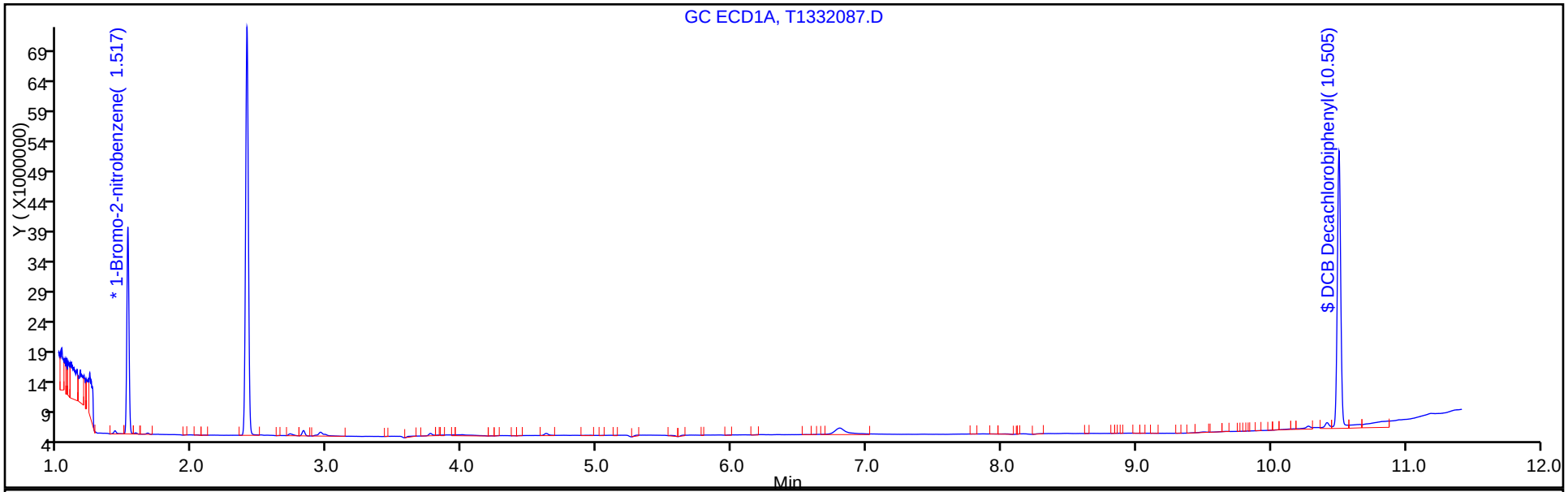
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

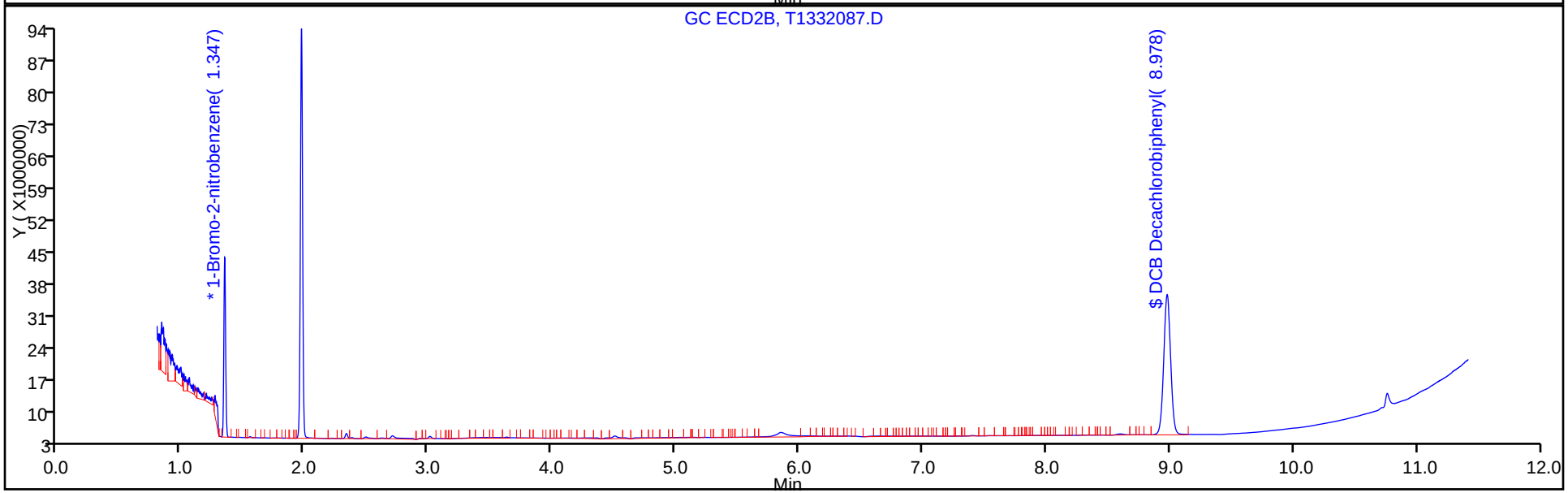
Report Date: 24-Aug-2016 11:37:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332087.D

Injection Date:	23-Aug-2016 18:52:32	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-13-C	Lab Sample ID:	460-118857-13	Worklist Smp#:	20
Client ID:	SB-7 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (2-4) 08182016 | Lab Sample ID: 460-118857-13

Matrix: Solid | Lab File ID: T1332087.D

Analysis Method: 8082A | Date Collected: 08/18/2016 14:42

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0133(g) | Date Analyzed: 08/23/2016 18:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	74	U	74	9.9
11104-28-2	Aroclor 1221	74	U	74	9.9
11141-16-5	Aroclor 1232	74	U	74	9.9
53469-21-9	Aroclor 1242	74	U	74	9.9
12672-29-6	Aroclor 1248	74	U	74	9.9
11097-69-1	Aroclor 1254	74	U	74	10
11096-82-5	Aroclor 1260	74	U	74	10
11100-14-4	Aroclor 1268	74	U	74	10
37324-23-5	Aroclor-1262	74	U	74	10
1336-36-3	Polychlorinated biphenyls, Total	74	U	74	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332087.D
Lims ID: 460-118857-E-13-C
Client ID: SB-7 (2-4) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 18:52:32 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-020
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.517	1.516	0.001	37913279	20.0	
2	1.347	1.347	0.000	39690048	20.0	
				RPD =	0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.505	10.514	-0.009	81426615	60.0	
2	8.978	8.983	-0.005	120236457	62.9	
				RPD =	4.71	

Reagents:

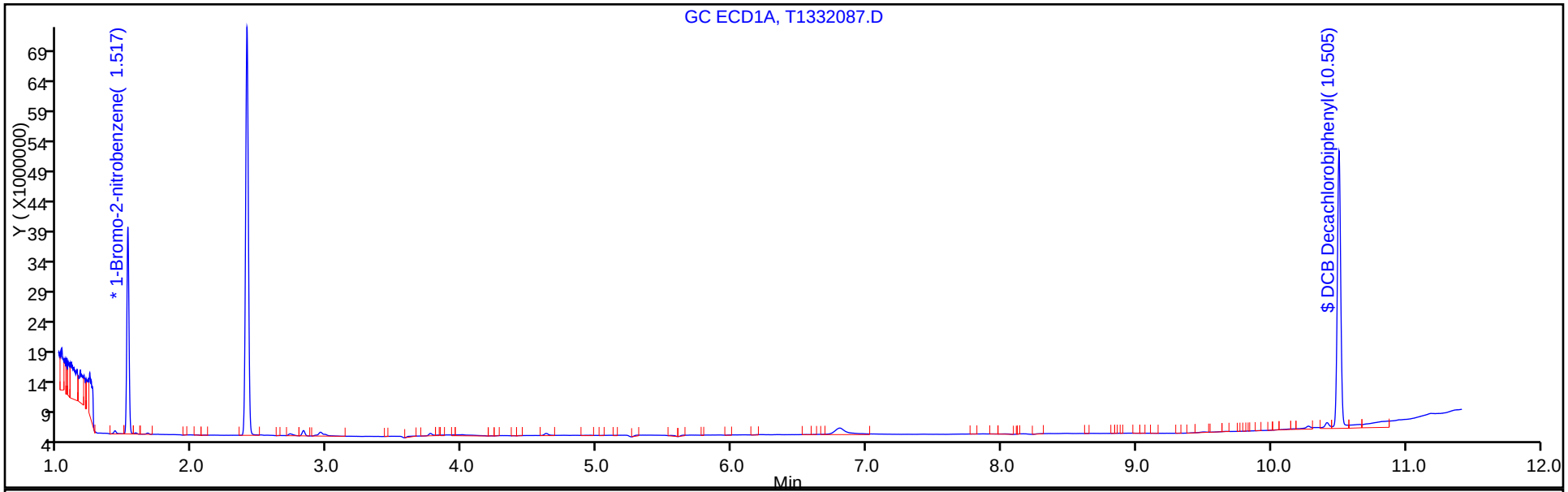
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

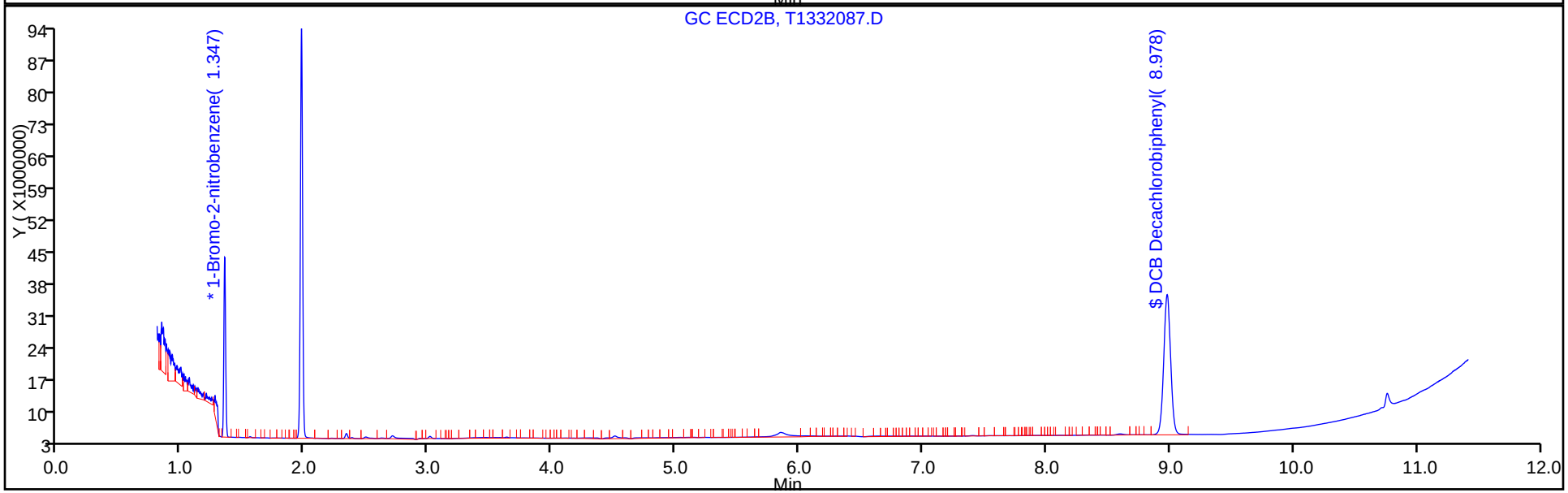
Report Date: 24-Aug-2016 11:37:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332087.D

Injection Date:	23-Aug-2016 18:52:32	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-13-C	Lab Sample ID:	460-118857-13	Worklist Smp#:	20
Client ID:	SB-7 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (13-15) 08182016 | Lab Sample ID: 460-118857-14

Matrix: Solid | Lab File ID: T1332088.D

Analysis Method: 8082A | Date Collected: 08/18/2016 14:50

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0041(g) | Date Analyzed: 08/23/2016 19:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 4.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332088.D
Lims ID: 460-118857-E-14-C
Client ID: SB-7 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 19:07:25 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-021
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	38578419	20.0	
2	1.346	1.347	-0.001	40411926	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.504	10.514	-0.010	74444771	54.0	
2	8.981	8.983	-0.002	112392533	57.8	
					RPD = 6.86	

Reagents:

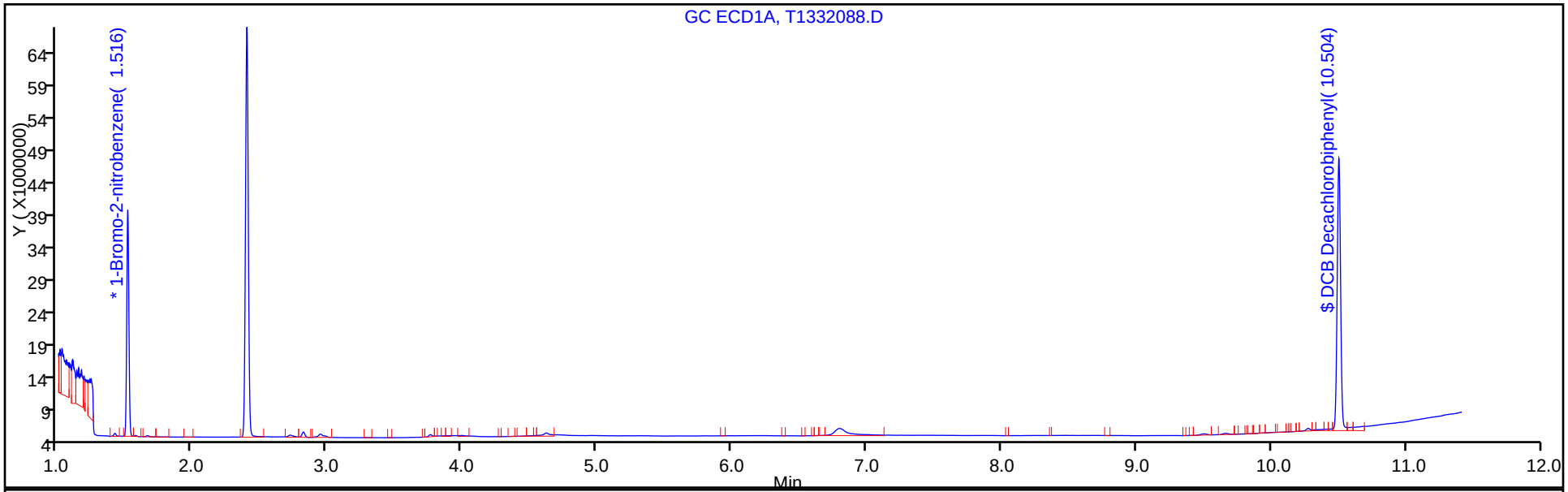
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

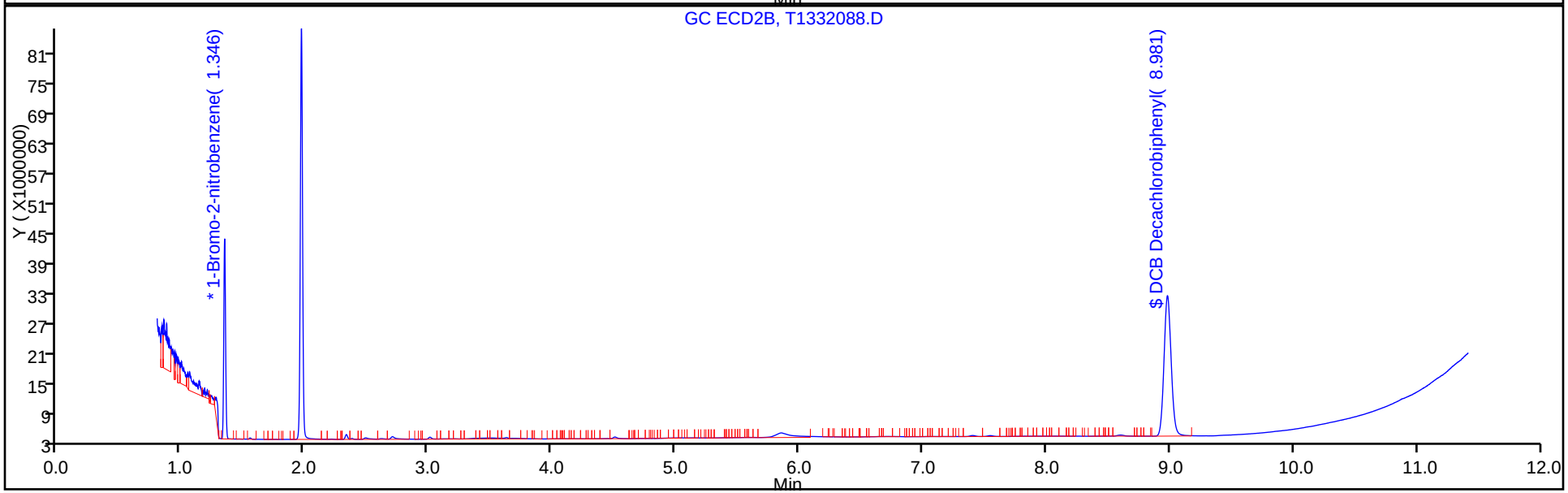
Report Date: 24-Aug-2016 11:37:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332088.D

Injection Date:	23-Aug-2016 19:07:25	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-14-C	Lab Sample ID:	460-118857-14	Worklist Smp#:	21
Client ID:	SB-7 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-7 (13-15) 08182016 | Lab Sample ID: 460-118857-14

Matrix: Solid | Lab File ID: T1332088.D

Analysis Method: 8082A | Date Collected: 08/18/2016 14:50

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0041(g) | Date Analyzed: 08/23/2016 19:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 4.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	70	U	70	9.3
11104-28-2	Aroclor 1221	70	U	70	9.3
11141-16-5	Aroclor 1232	70	U	70	9.3
53469-21-9	Aroclor 1242	70	U	70	9.3
12672-29-6	Aroclor 1248	70	U	70	9.3
11097-69-1	Aroclor 1254	70	U	70	9.6
11096-82-5	Aroclor 1260	70	U	70	9.6
11100-14-4	Aroclor 1268	70	U	70	9.6
37324-23-5	Aroclor-1262	70	U	70	9.6
1336-36-3	Polychlorinated biphenyls, Total	70	U	70	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332088.D
Lims ID: 460-118857-E-14-C
Client ID: SB-7 (13-15) 08182016
Sample Type: Client
Inject. Date: 23-Aug-2016 19:07:25 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-021
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:26:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.516	1.516	0.000	38578419	20.0	
2	1.346	1.347	-0.001	40411926	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	10.504	10.514	-0.010	74444771	54.0	
2	8.981	8.983	-0.002	112392533	57.8	
					RPD = 6.86	

Reagents:

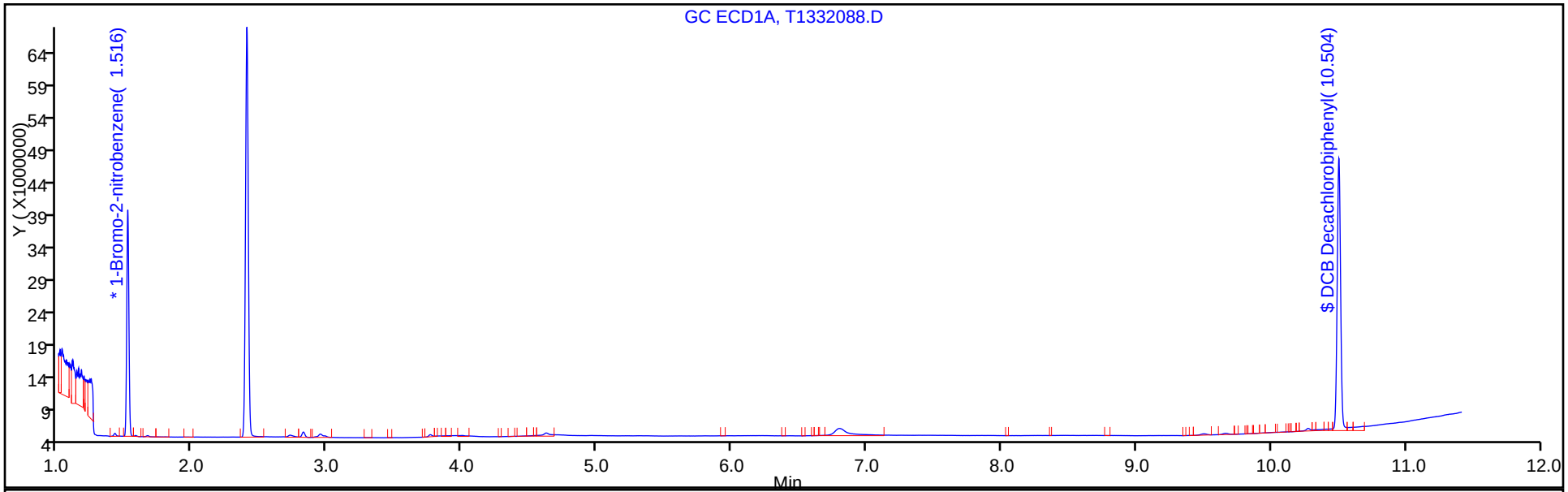
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

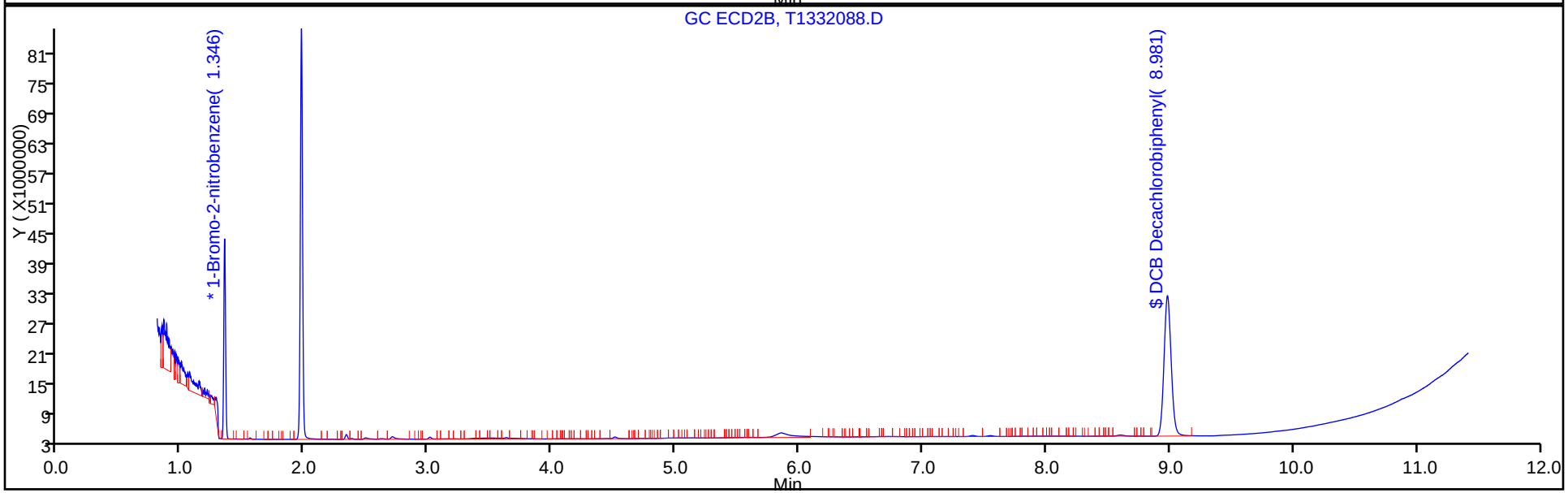
Report Date: 24-Aug-2016 11:37:56 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332088.D

Injection Date:	23-Aug-2016 19:07:25	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-E-14-C	Lab Sample ID:	460-118857-14	Worklist Smp#:	21
Client ID:	SB-7 (13-15) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(2-4)-08192016 | Lab Sample ID: 460-118926-1

Matrix: Solid | Lab File ID: 8F013544.D

Analysis Method: 8082A | Date Collected: 08/19/2016 08:14

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0311(g) | Date Analyzed: 08/23/2016 15:02

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013544.D
Lims ID: 460-118926-F-1-C
Client ID: SB-1(2-4)-08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 15:02:50 ALS Bottle#: 29 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-009
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:46:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.624	1.625	-0.001	5410793	20.0	
2	1.364	1.358	0.006	7900491	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.221	10.227	-0.006	15550355	62.0	M
2	9.134	9.134	0.000	17478815	54.8	M
					RPD = 12.31	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

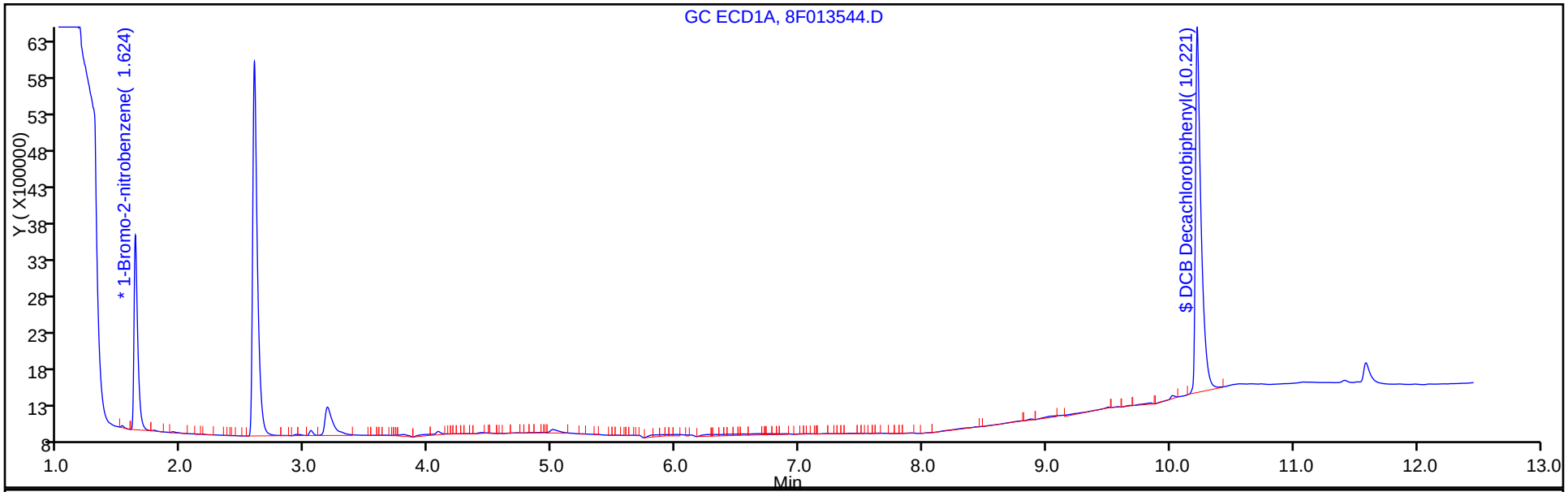
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

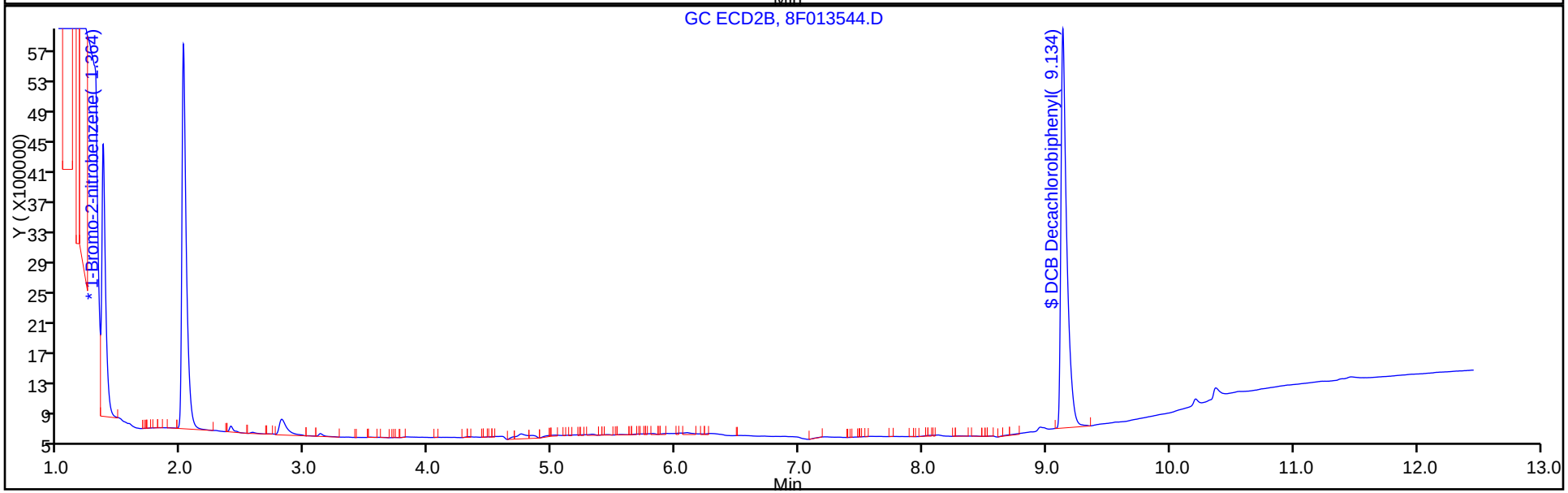
Report Date: 24-Aug-2016 11:23:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013544.D

Injection Date:	23-Aug-2016 15:02:50	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-F-1-C	Lab Sample ID:	460-118926-1	Worklist Smp#:	9
Client ID:	SB-1(2-4)-08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

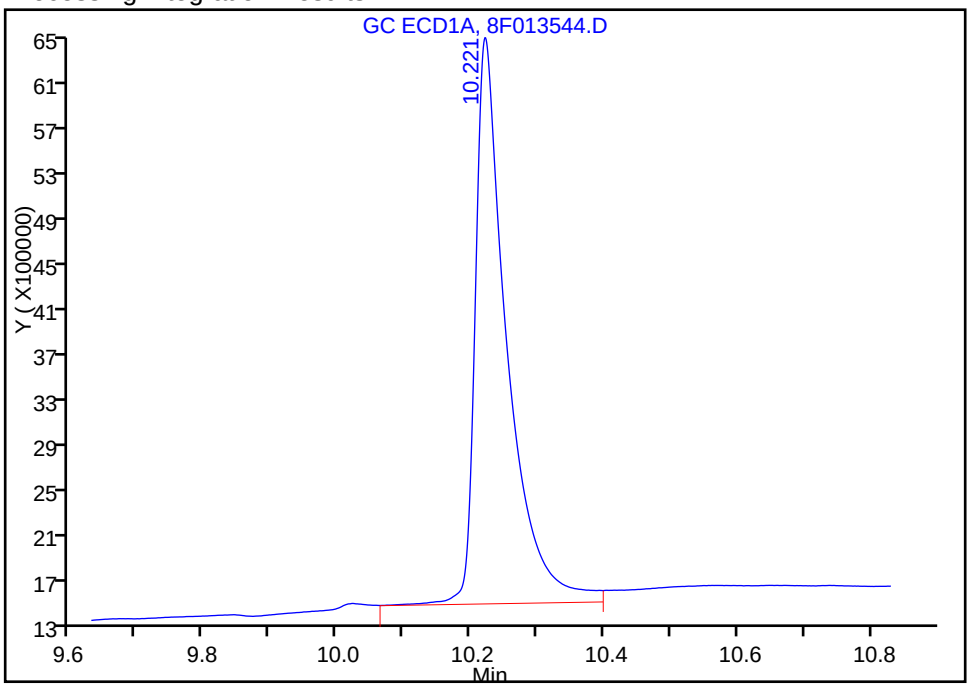
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013544.D				
Injection Date:	23-Aug-2016 15:02:50	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-F-1-C	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

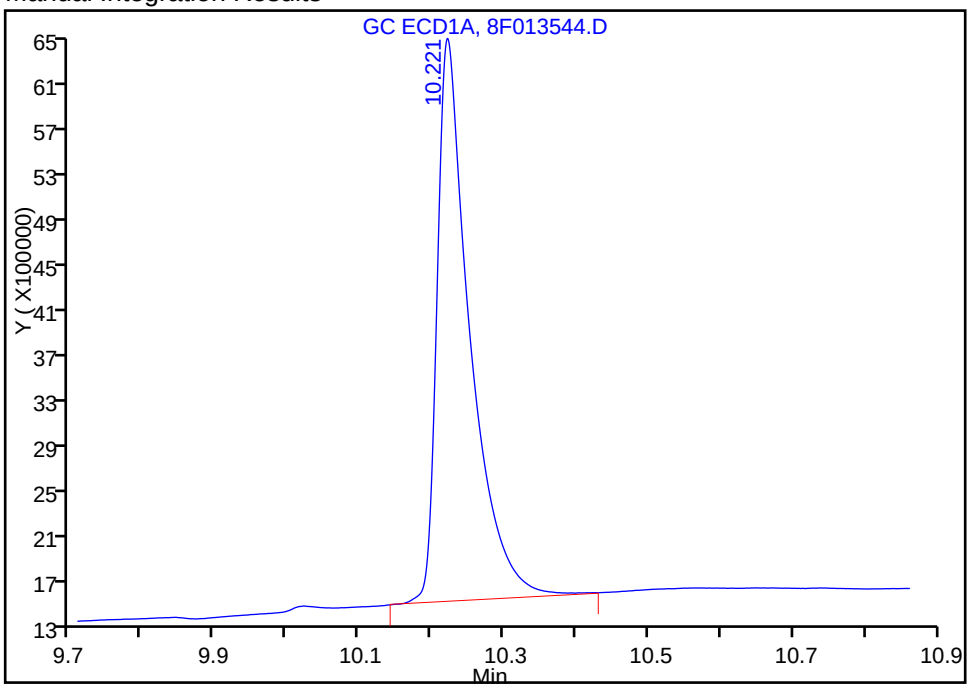
Processing Integration Results

RT: 10.22
Area: 16460385
Amount: 65.602646
Amount Units: ug/l



Manual Integration Results

RT: 10.22
Area: 15550355
Amount: 61.975734
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:46:14

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(2-4)-08192016 | Lab Sample ID: 460-118926-1

Matrix: Solid | Lab File ID: 8F013544.D

Analysis Method: 8082A | Date Collected: 08/19/2016 08:14

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0311(g) | Date Analyzed: 08/23/2016 15:02

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	72	U	72	9.6
11104-28-2	Aroclor 1221	72	U	72	9.6
11141-16-5	Aroclor 1232	72	U	72	9.6
53469-21-9	Aroclor 1242	72	U	72	9.6
12672-29-6	Aroclor 1248	72	U	72	9.6
11097-69-1	Aroclor 1254	72	U	72	9.9
11096-82-5	Aroclor 1260	72	U	72	9.9
11100-14-4	Aroclor 1268	72	U	72	9.9
37324-23-5	Aroclor-1262	72	U	72	9.9
1336-36-3	Polychlorinated biphenyls, Total	72	U	72	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	110		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013544.D
Lims ID: 460-118926-F-1-C
Client ID: SB-1(2-4)-08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 15:02:50 ALS Bottle#: 29 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-009
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:46:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.624	1.625	-0.001	5410793	20.0	
2	1.364	1.358	0.006	7900491	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.221	10.227	-0.006	15550355	62.0	M
2	9.134	9.134	0.000	17478815	54.8	M
					RPD = 12.31	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

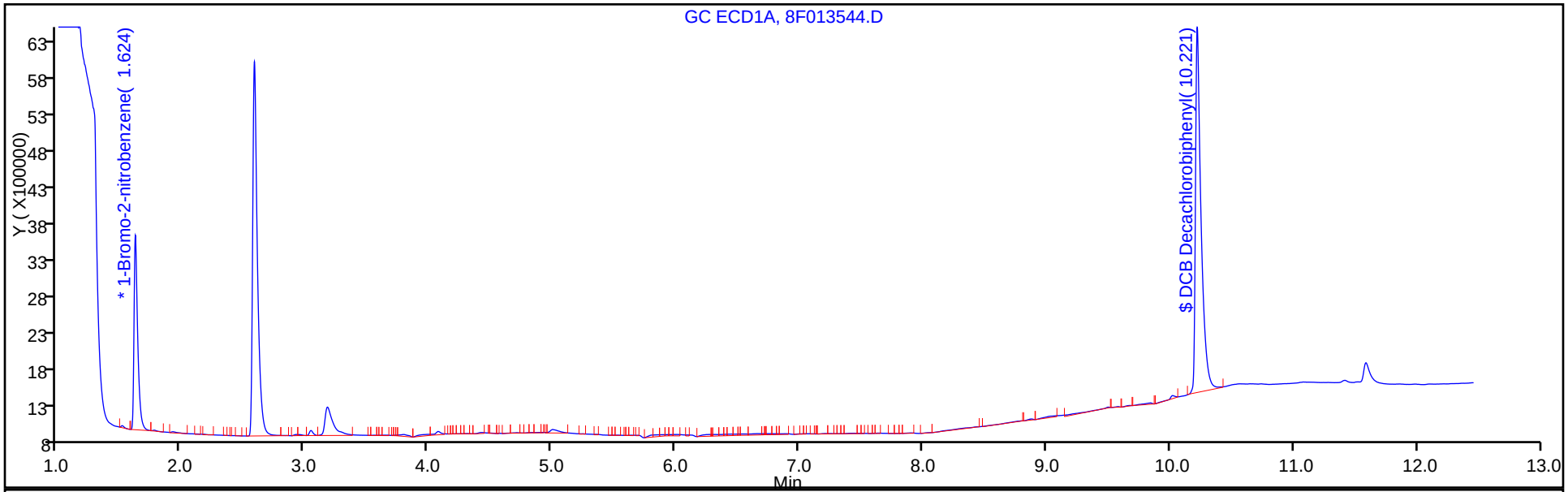
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

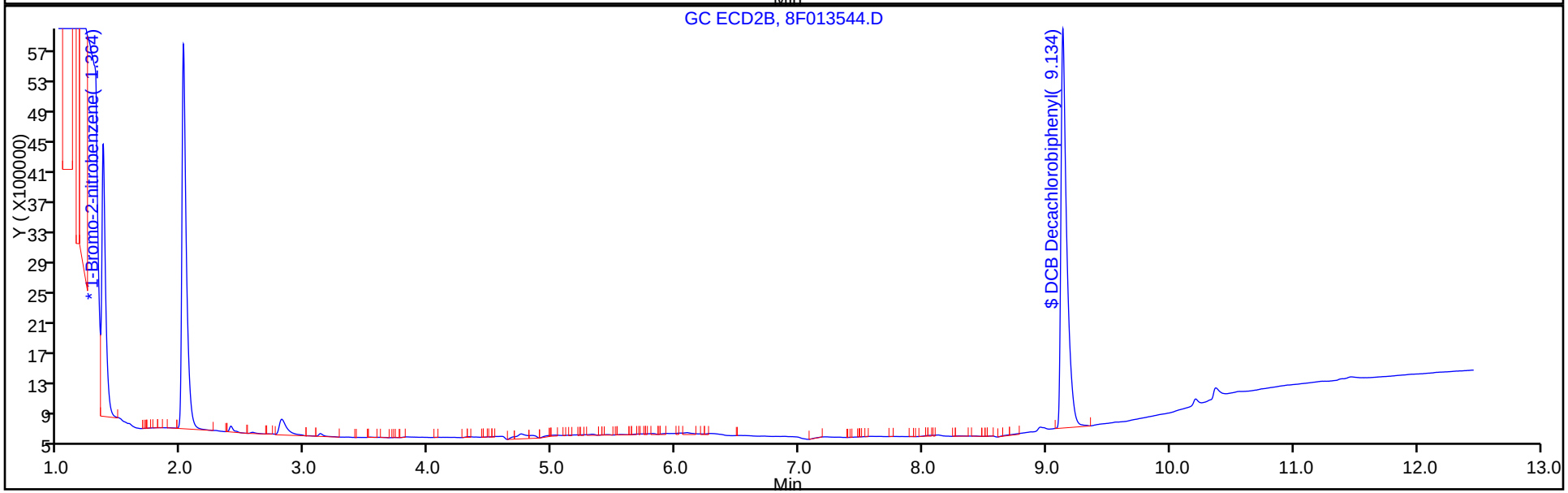
Report Date: 24-Aug-2016 11:23:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013544.D

Injection Date:	23-Aug-2016 15:02:50	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-F-1-C	Lab Sample ID:	460-118926-1	Worklist Smp#:	9
Client ID:	SB-1(2-4)-08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

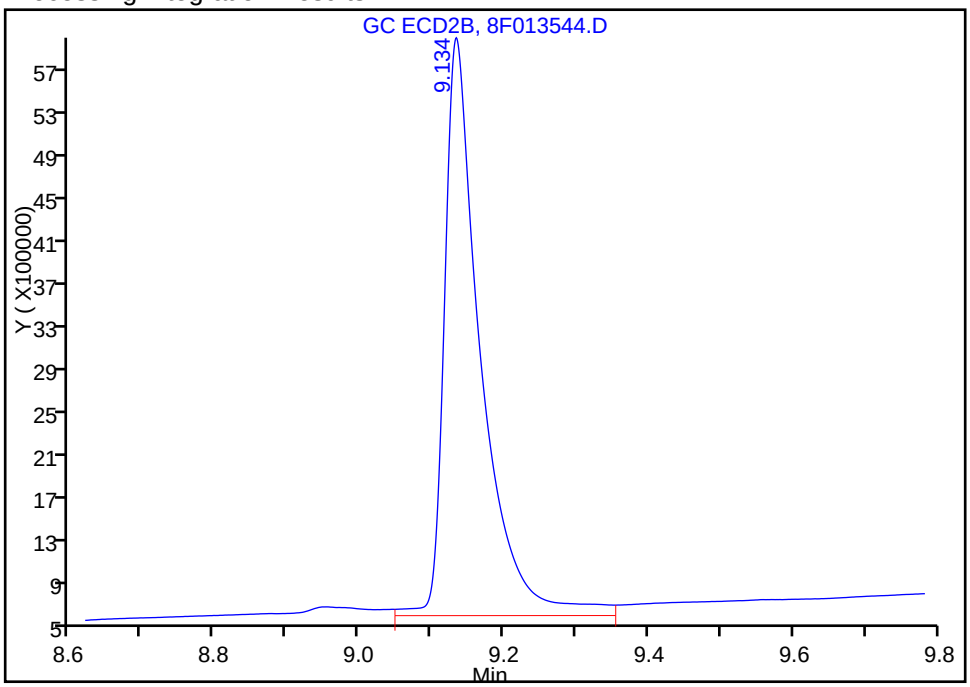
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013544.D				
Injection Date:	23-Aug-2016 15:02:50	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-F-1-C	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

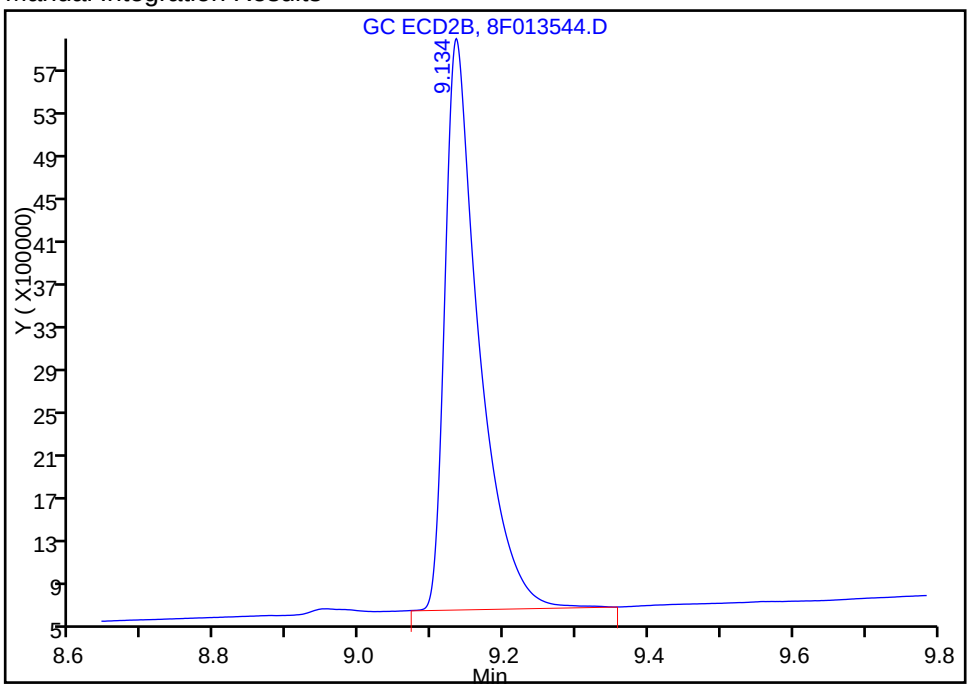
Processing Integration Results

RT: 9.13
Area: 18917545
Amount: 82.657772
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 17478815
Amount: 54.791102
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:46:14

Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

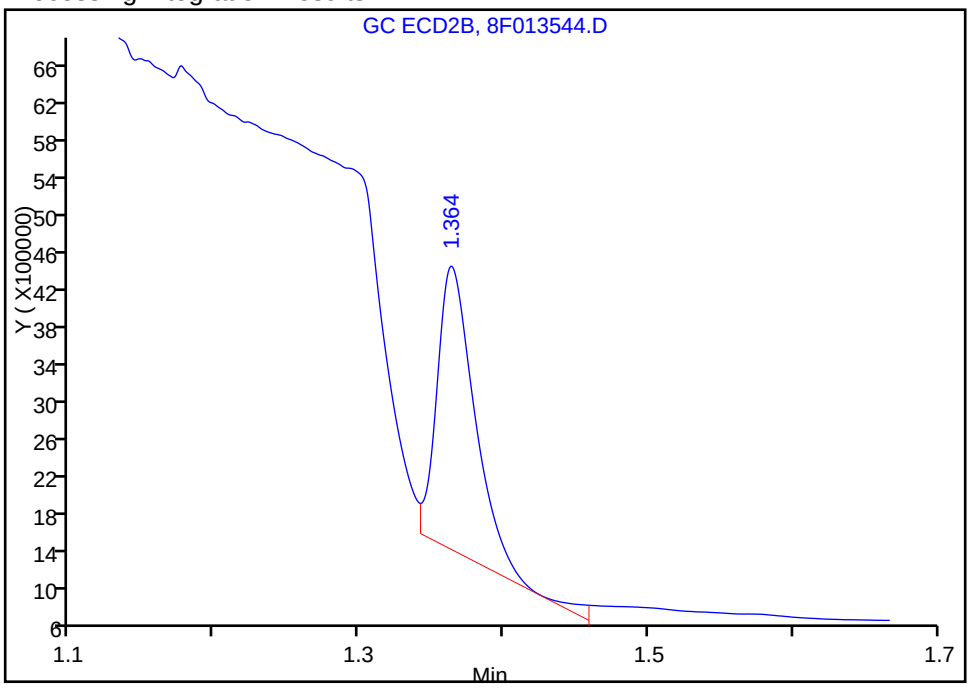
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013544.D				
Injection Date:	23-Aug-2016 15:02:50	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-F-1-C	Lab Sample ID:	460-118926-1		
Client ID:	SB-1(2-4)-08192016				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

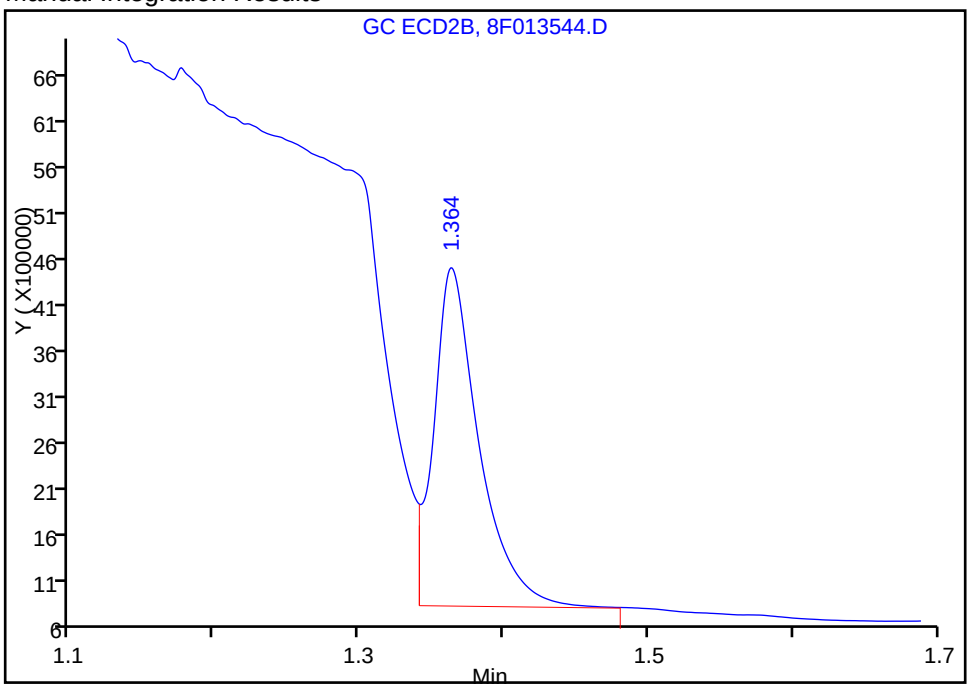
Processing Integration Results

RT: 1.36
Area: 5668044
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 7900491
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:46:14

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(12-14)-08192016 | Lab Sample ID: 460-118926-2

Matrix: Solid | Lab File ID: 8F013547.D

Analysis Method: 8082A | Date Collected: 08/19/2016 08:40

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0043(g) | Date Analyzed: 08/23/2016 15:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	149		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013547.D
Lims ID: 460-118926-F-2-B
Client ID: SB-1(12-14)-08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 15:50:38 ALS Bottle#: 32 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-012
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:44:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.622	1.625	-0.003	4749207	20.0	
2	1.362	1.358	0.004	7196204	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.217	10.227	-0.010	16361225	74.3	M
2	9.130	9.134	-0.004	18117766	62.4	M
					RPD = 17.47	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

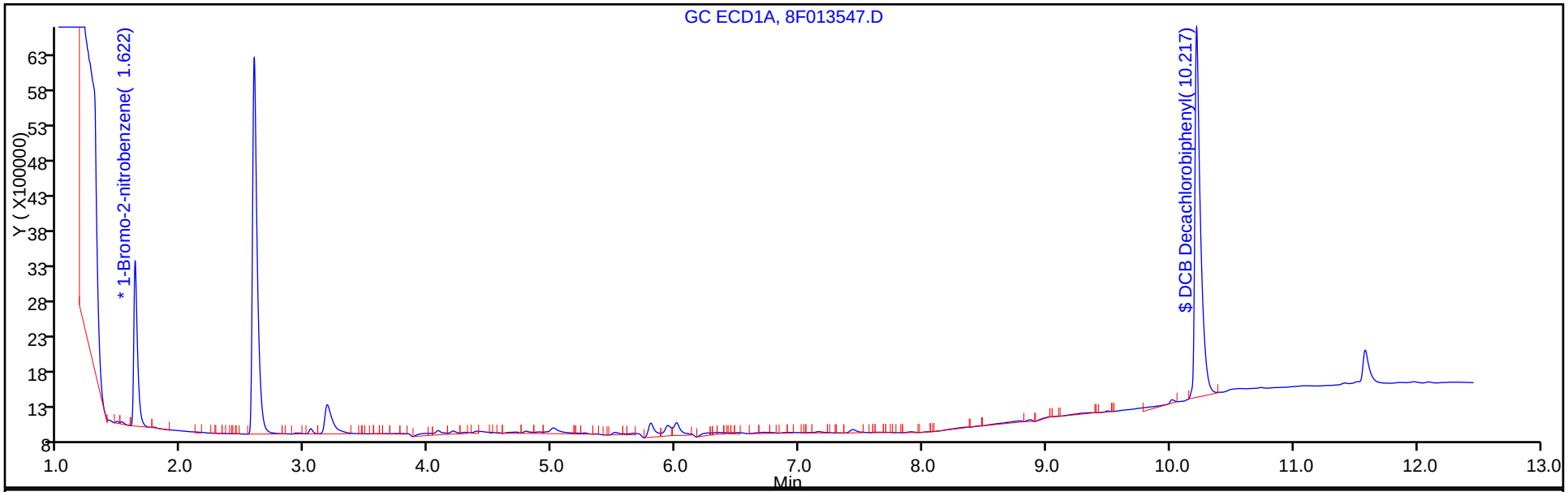
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

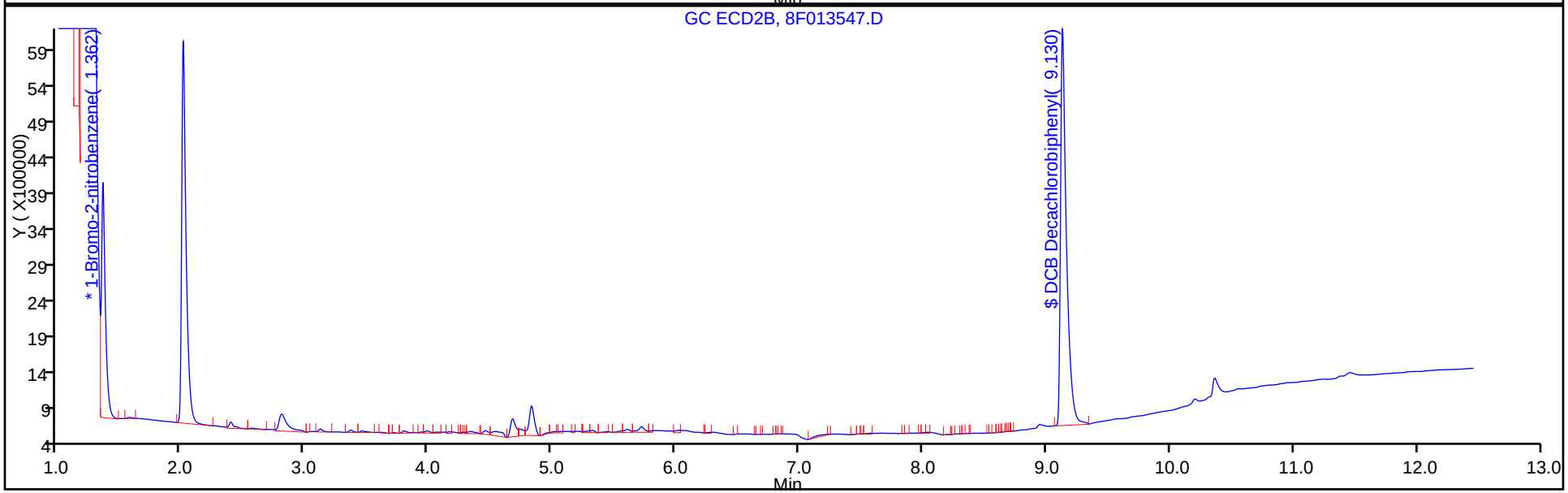
Report Date: 24-Aug-2016 11:23:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013547.D

Injection Date:	23-Aug-2016 15:50:38	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-F-2-B	Lab Sample ID:	460-118926-2	Worklist Smp#:	12
Client ID:	SB-1(12-14)-08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

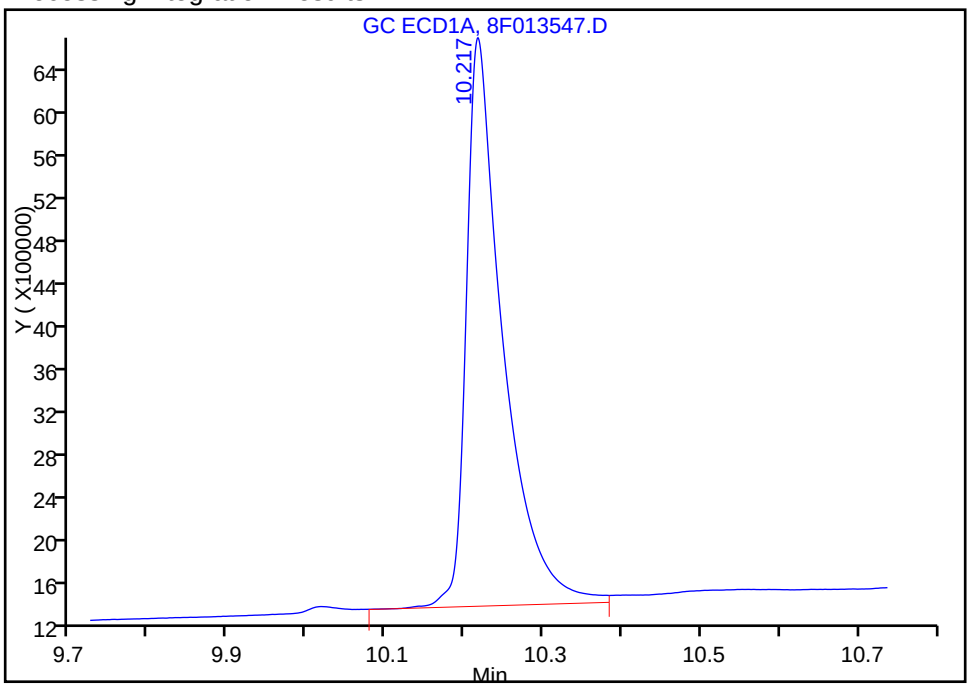
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013547.D				
Injection Date:	23-Aug-2016 15:50:38	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-F-2-B	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

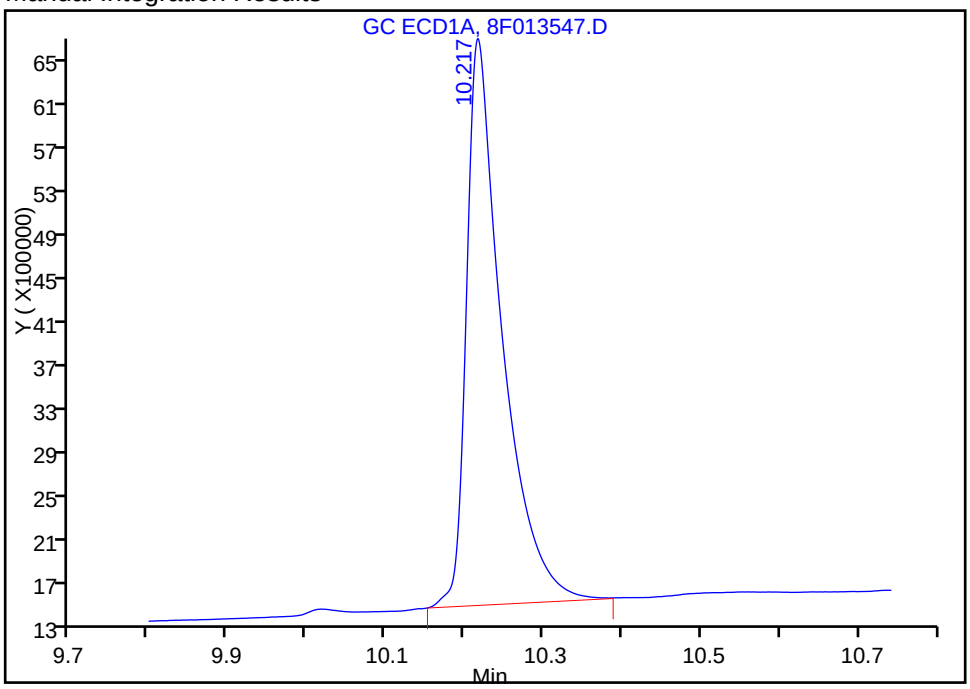
Processing Integration Results

RT: 10.22
Area: 16919601
Amount: 76.826546
Amount Units: ug/l



Manual Integration Results

RT: 10.22
Area: 16361225
Amount: 74.291137
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:44:29

Audit Action: Manually Integrated Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-1(12-14)-08192016 | Lab Sample ID: 460-118926-2

Matrix: Solid | Lab File ID: 8F013547.D

Analysis Method: 8082A | Date Collected: 08/19/2016 08:40

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0043(g) | Date Analyzed: 08/23/2016 15:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	71	U	71	9.4
11104-28-2	Aroclor 1221	71	U	71	9.4
11141-16-5	Aroclor 1232	71	U	71	9.4
53469-21-9	Aroclor 1242	71	U	71	9.4
12672-29-6	Aroclor 1248	71	U	71	9.4
11097-69-1	Aroclor 1254	71	U	71	9.7
11096-82-5	Aroclor 1260	71	U	71	9.7
11100-14-4	Aroclor 1268	71	U	71	9.7
37324-23-5	Aroclor-1262	71	U	71	9.7
1336-36-3	Polychlorinated biphenyls, Total	71	U	71	9.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	125		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013547.D
Lims ID: 460-118926-F-2-B
Client ID: SB-1(12-14)-08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 15:50:38 ALS Bottle#: 32 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-012
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:44:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.622	1.625	-0.003	4749207	20.0	
2	1.362	1.358	0.004	7196204	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.217	10.227	-0.010	16361225	74.3	M
2	9.130	9.134	-0.004	18117766	62.4	M
					RPD = 17.47	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

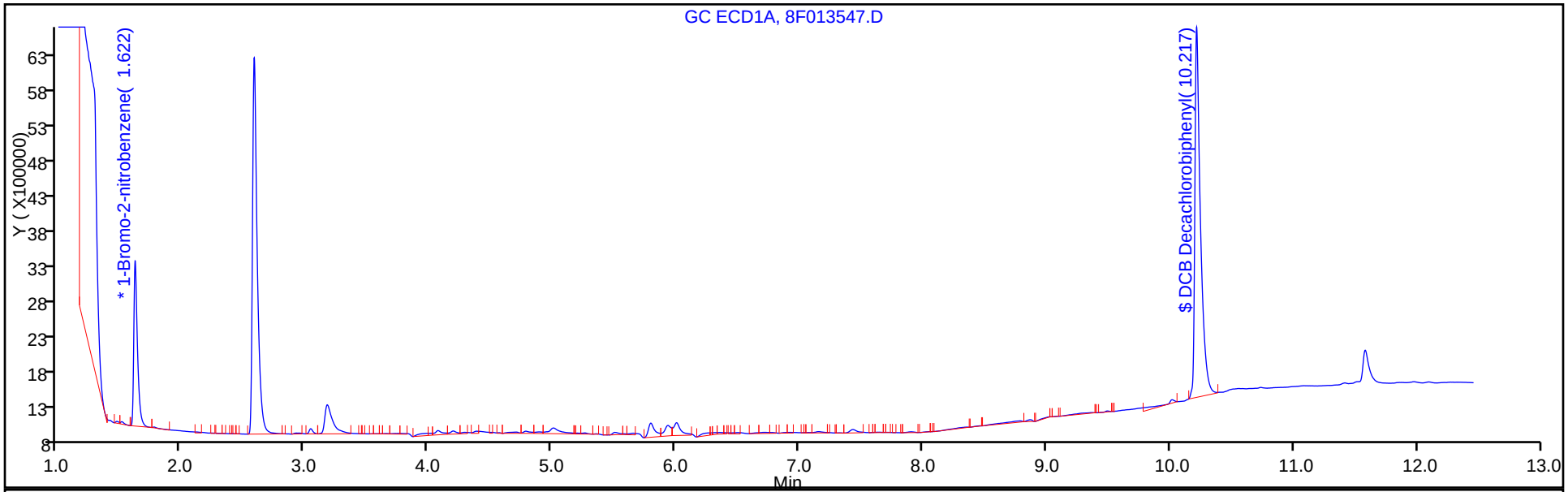
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

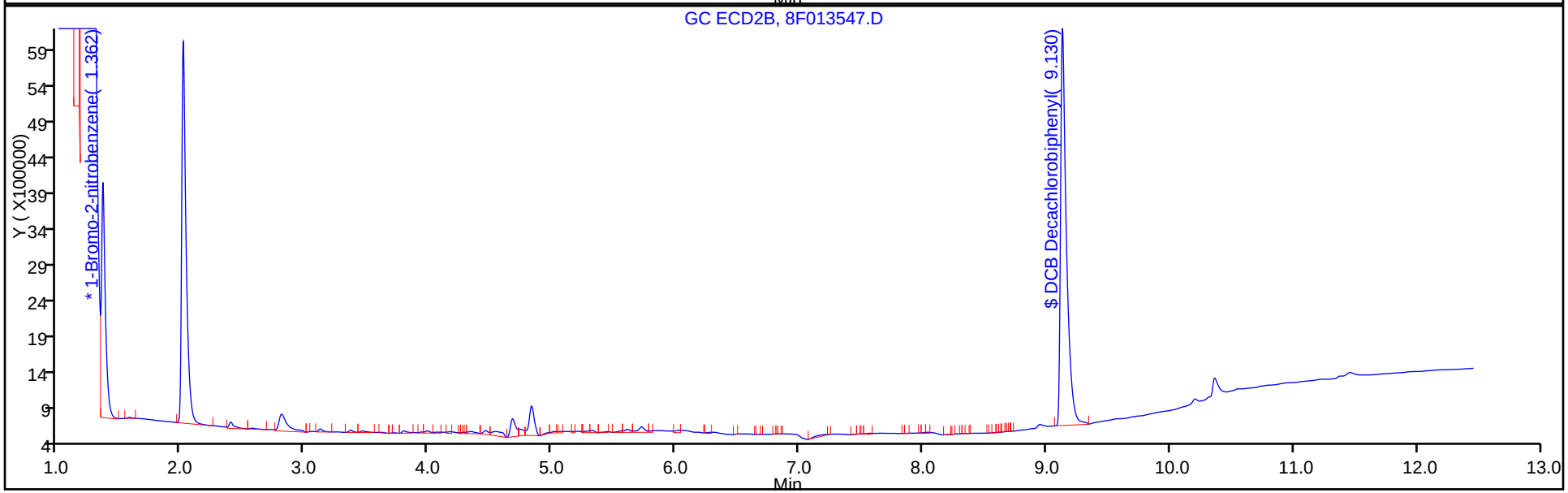
Report Date: 24-Aug-2016 11:23:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013547.D

Injection Date:	23-Aug-2016 15:50:38	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-F-2-B	Lab Sample ID:	460-118926-2	Worklist Smp#:	12
Client ID:	SB-1(12-14)-08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

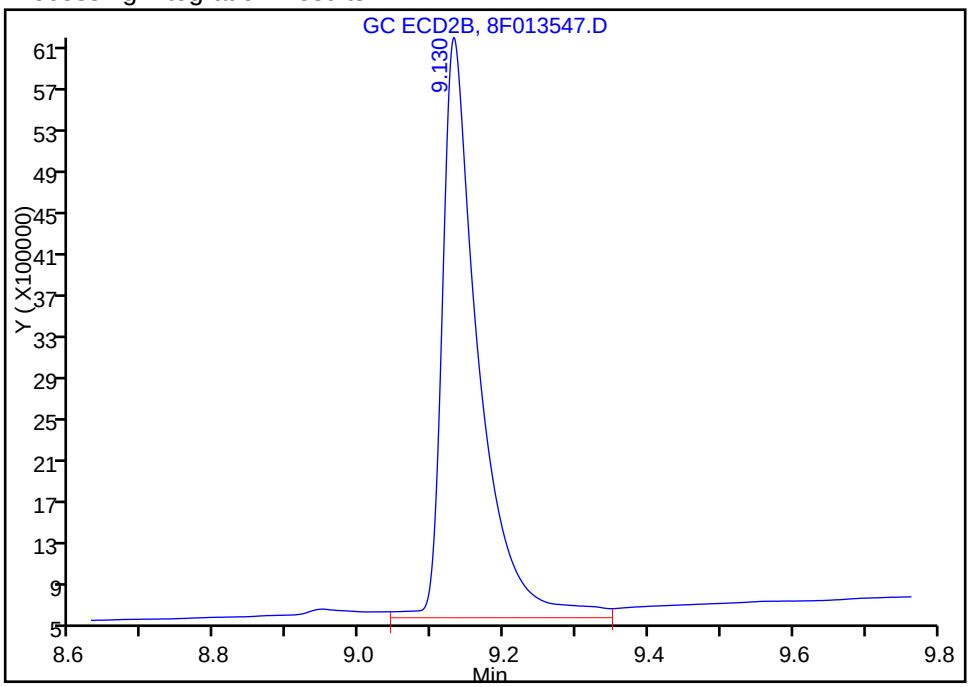
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013547.D				
Injection Date:	23-Aug-2016 15:50:38	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-F-2-B	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

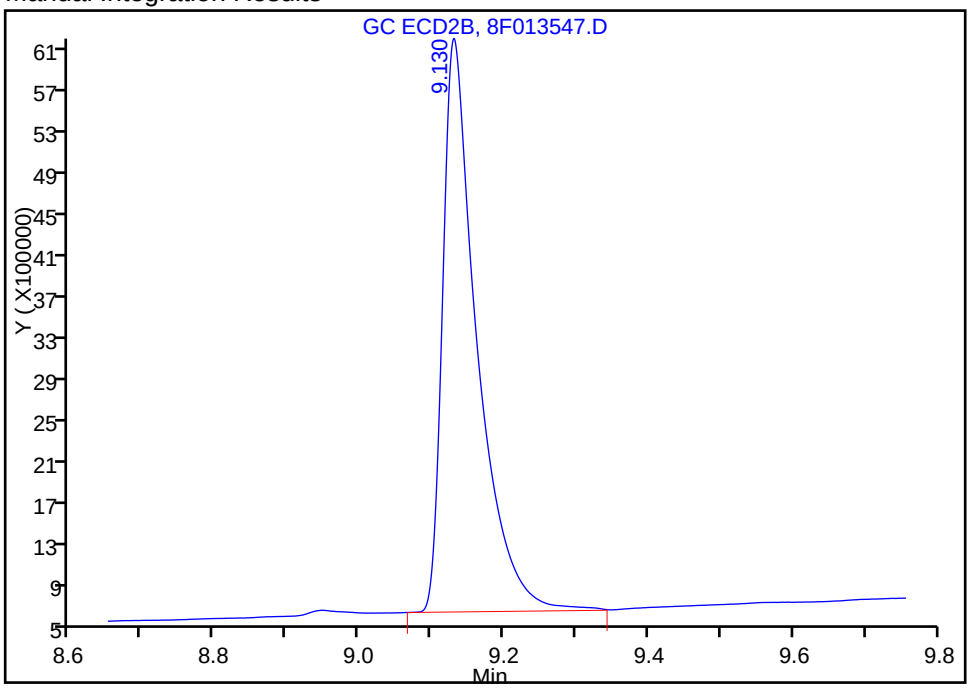
Processing Integration Results

RT: 9.13
Area: 19431530
Amount: 136.8146
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 18117766
Amount: 62.352419
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:44:29

Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Edison

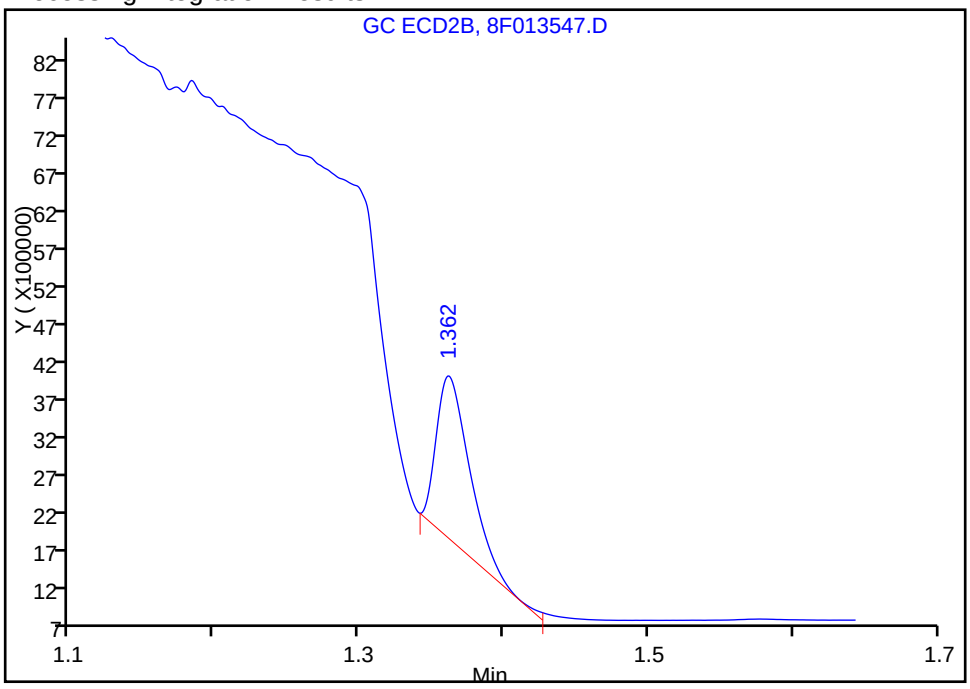
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013547.D				
Injection Date:	23-Aug-2016 15:50:38	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-F-2-B	Lab Sample ID:	460-118926-2		
Client ID:	SB-1(12-14)-08192016				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

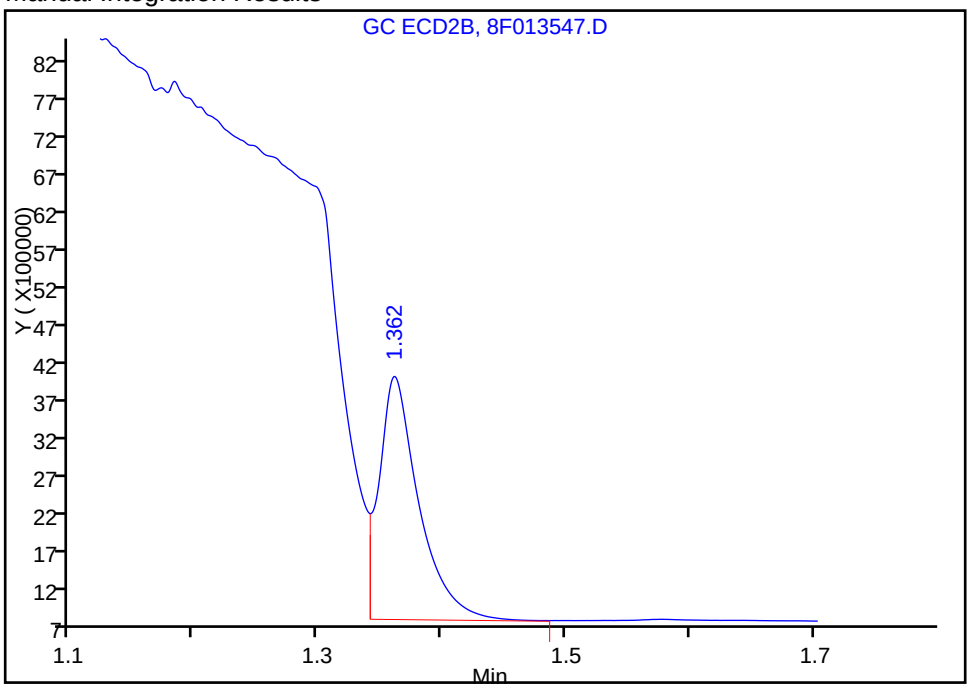
Processing Integration Results

RT: 1.36
Area: 3517440
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 7196204
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:44:29

Audit Action: Manually Integrated Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(2-4)08192016 | Lab Sample ID: 460-118926-3

Matrix: Solid | Lab File ID: 8F013548.D

Analysis Method: 8082A | Date Collected: 08/19/2016 09:02

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0414(g) | Date Analyzed: 08/23/2016 16:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	146		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013548.D
Lims ID: 460-118926-E-3-C
Client ID: SB-2(2-4)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:06:33 ALS Bottle#: 33 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-013
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:41:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.625	-0.002	4596894	20.0	
2	1.363	1.358	0.005	5368927	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.217	10.227	-0.010	15512212	72.8	M
2	9.131	9.134	-0.003	16122184	74.4	M
					RPD = 2.17	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

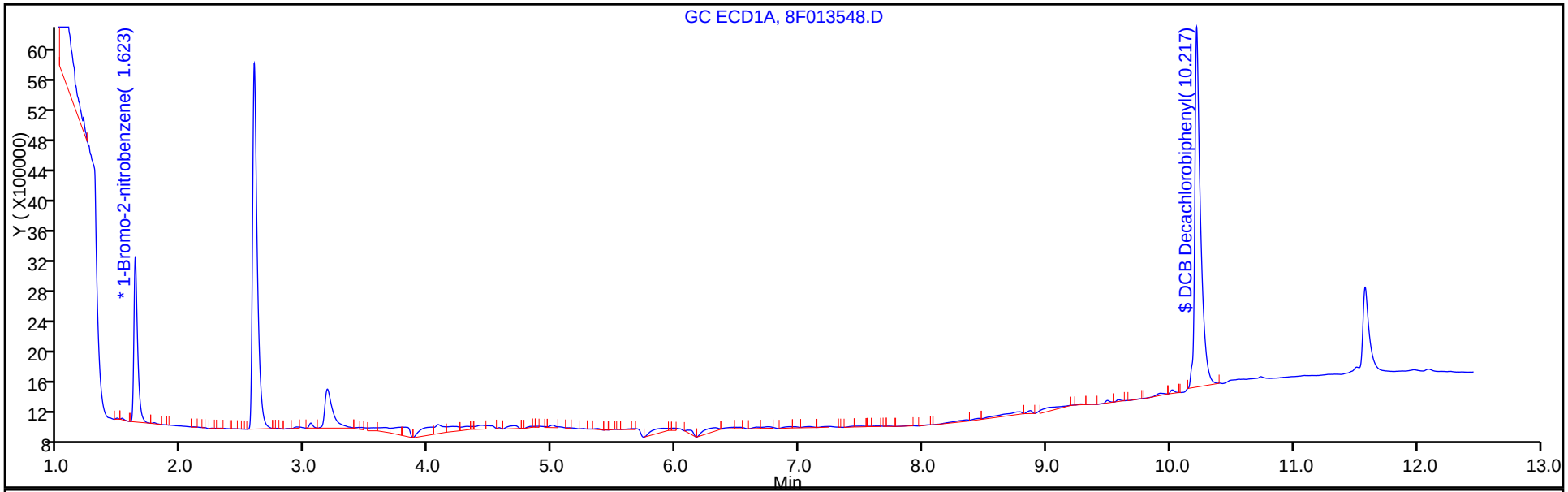
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

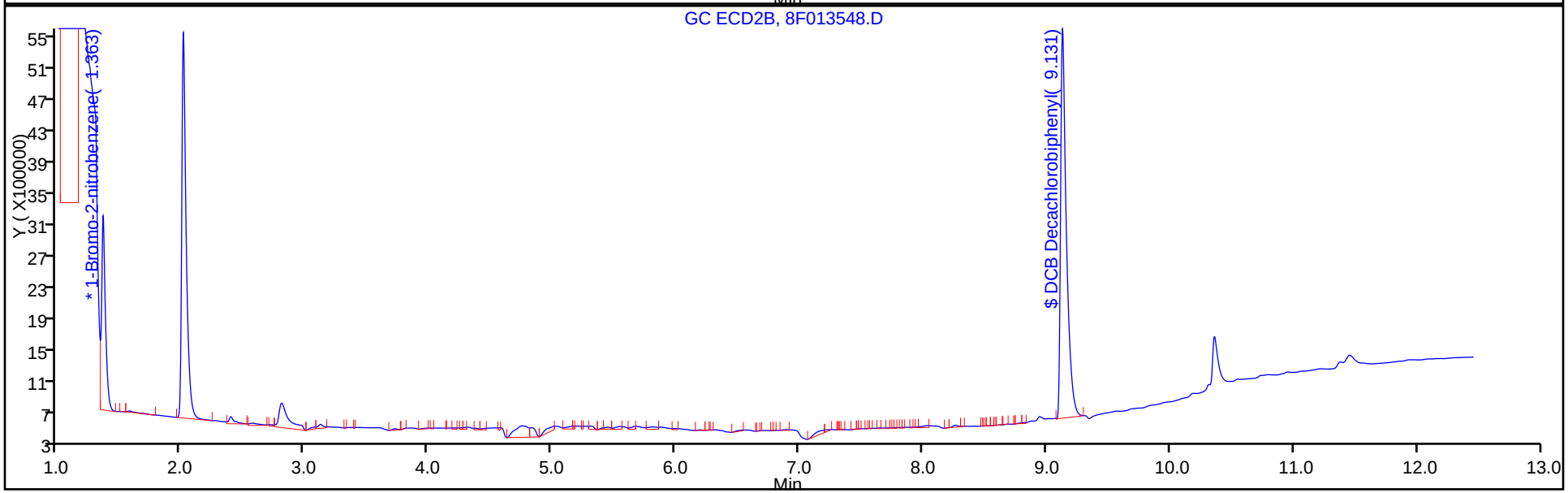
Report Date: 24-Aug-2016 11:23:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013548.D

Injection Date:	23-Aug-2016 16:06:33	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-3-C	Lab Sample ID:	460-118926-3	Worklist Smp#:	13
Client ID:	SB-2(2-4)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

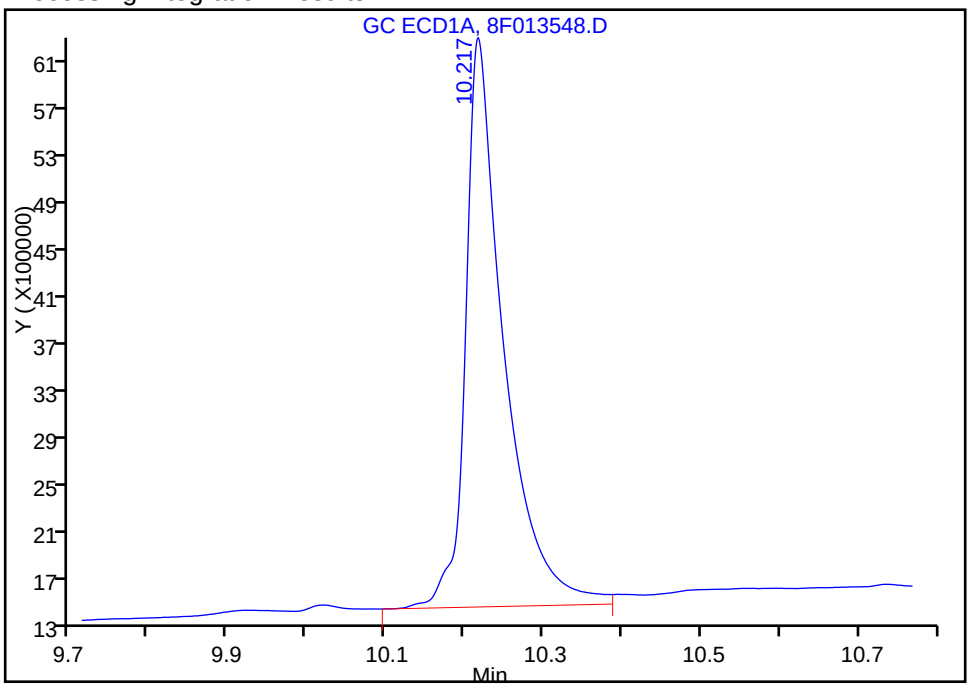
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013548.D				
Injection Date:	23-Aug-2016 16:06:33	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-3-C	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

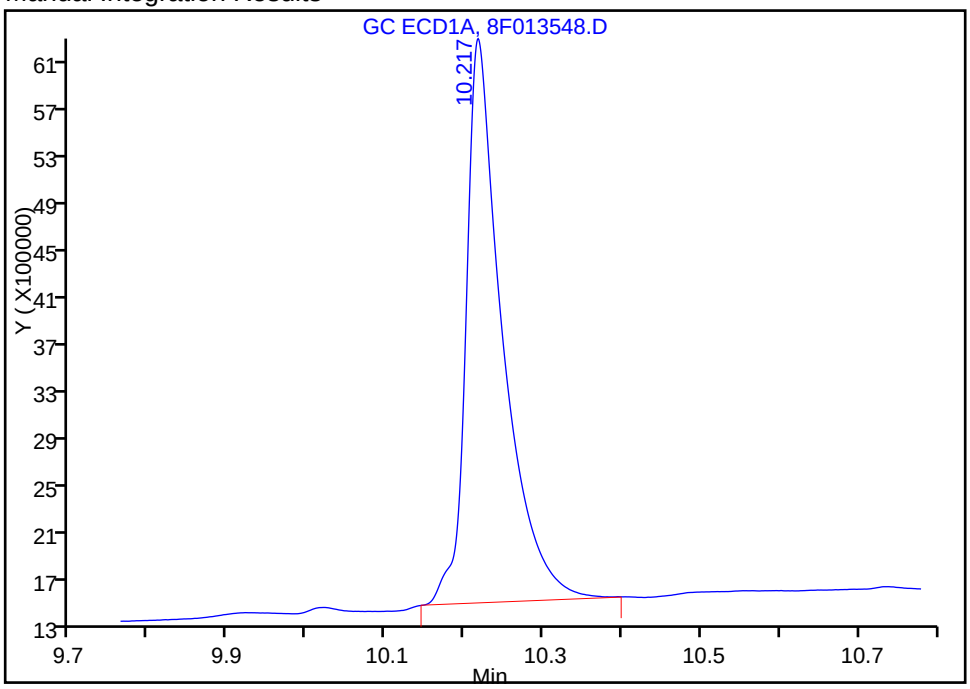
Processing Integration Results

RT: 10.22
Area: 16447416
Amount: 77.157026
Amount Units: ug/l



Manual Integration Results

RT: 10.22
Area: 15512212
Amount: 72.769859
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:41:36

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(2-4)08192016 | Lab Sample ID: 460-118926-3

Matrix: Solid | Lab File ID: 8F013548.D

Analysis Method: 8082A | Date Collected: 08/19/2016 09:02

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0414(g) | Date Analyzed: 08/23/2016 16:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	75	U	75	9.9
11104-28-2	Aroclor 1221	75	U	75	9.9
11141-16-5	Aroclor 1232	75	U	75	9.9
53469-21-9	Aroclor 1242	75	U	75	9.9
12672-29-6	Aroclor 1248	75	U	75	9.9
11097-69-1	Aroclor 1254	75	U	75	10
11096-82-5	Aroclor 1260	75	U	75	10
11100-14-4	Aroclor 1268	75	U	75	10
37324-23-5	Aroclor-1262	75	U	75	10
1336-36-3	Polychlorinated biphenyls, Total	75	U	75	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	149		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013548.D
Lims ID: 460-118926-E-3-C
Client ID: SB-2(2-4)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:06:33 ALS Bottle#: 33 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-013
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:41:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.625	-0.002	4596894	20.0	
2	1.363	1.358	0.005	5368927	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.217	10.227	-0.010	15512212	72.8	M
2	9.131	9.134	-0.003	16122184	74.4	M
					RPD = 2.17	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

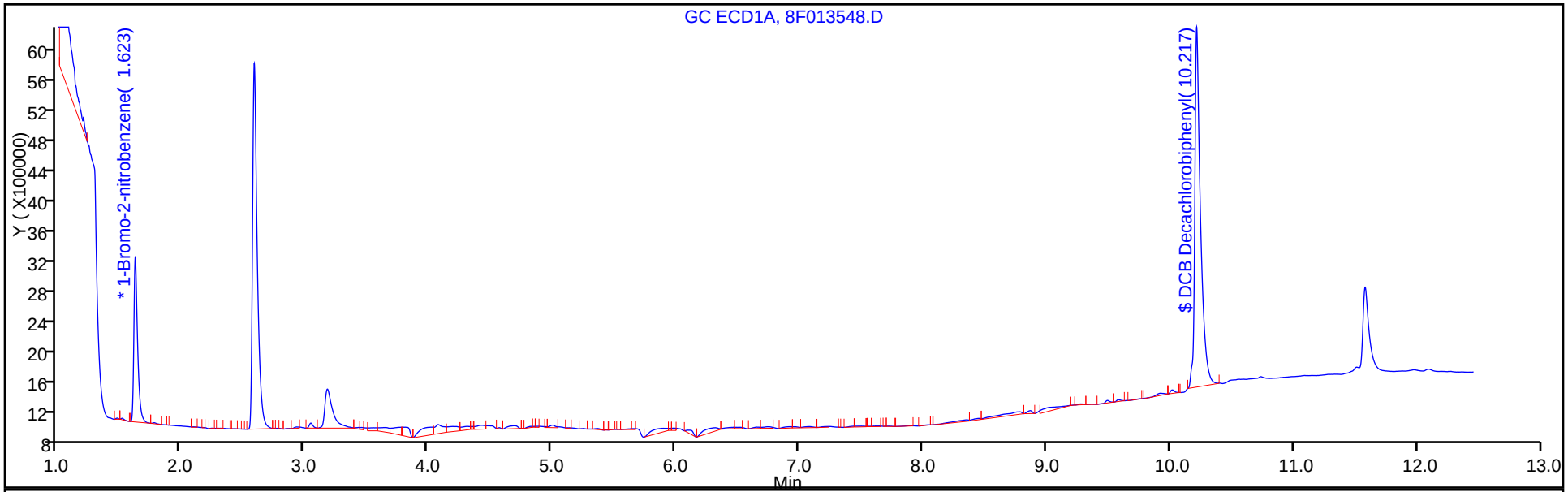
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

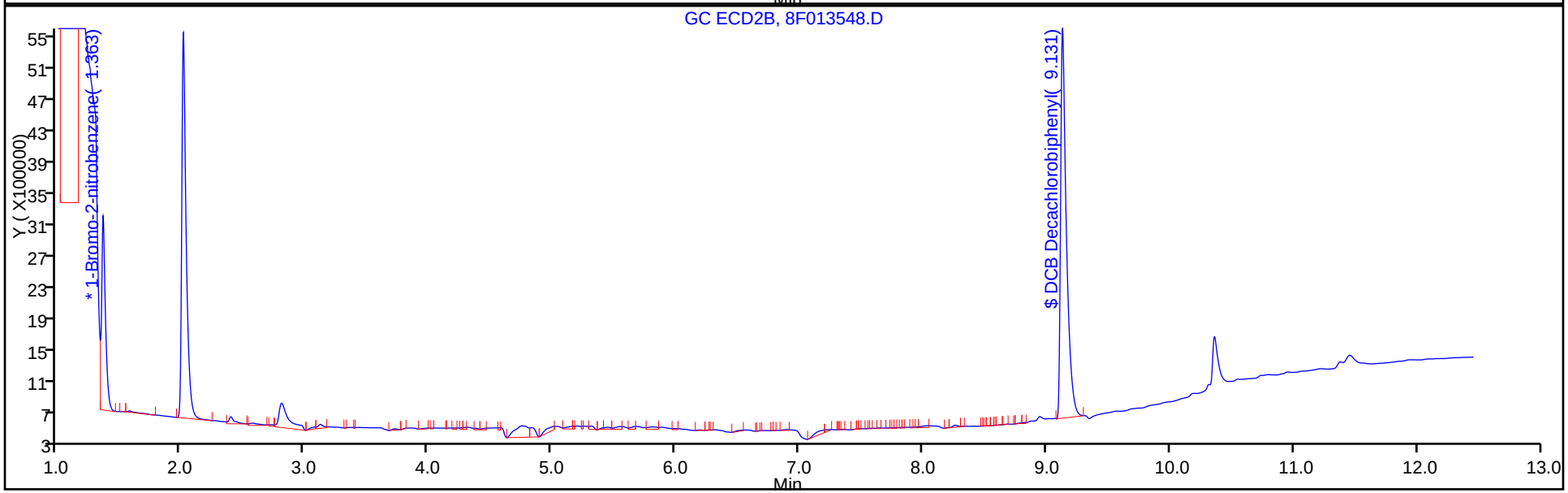
Report Date: 24-Aug-2016 11:23:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013548.D

Injection Date:	23-Aug-2016 16:06:33	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-3-C	Lab Sample ID:	460-118926-3	Worklist Smp#:	13
Client ID:	SB-2(2-4)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

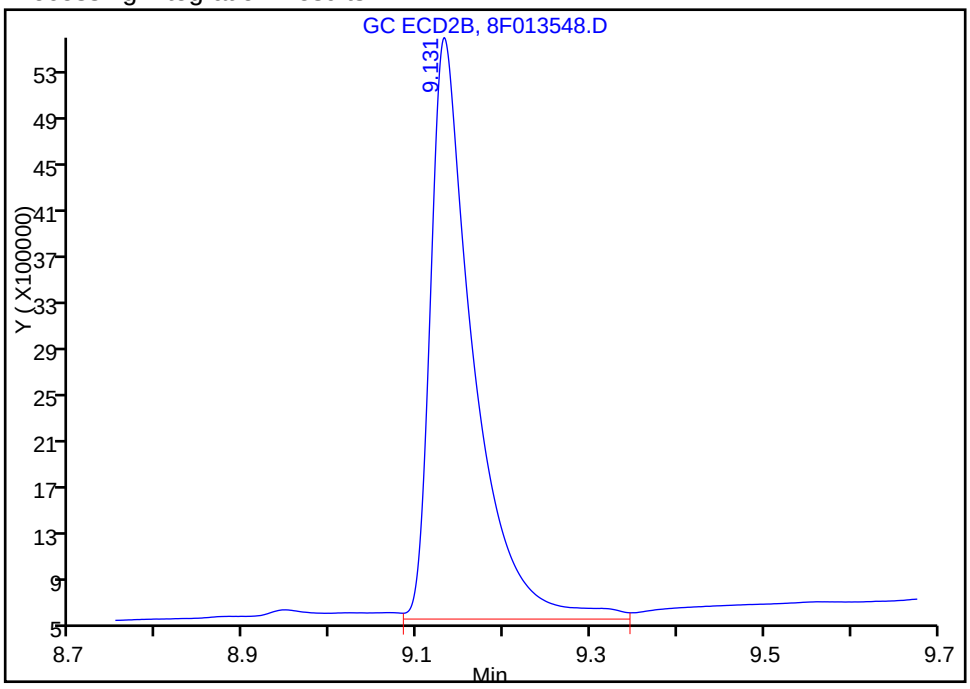
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013548.D				
Injection Date:	23-Aug-2016 16:06:33	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-3-C	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

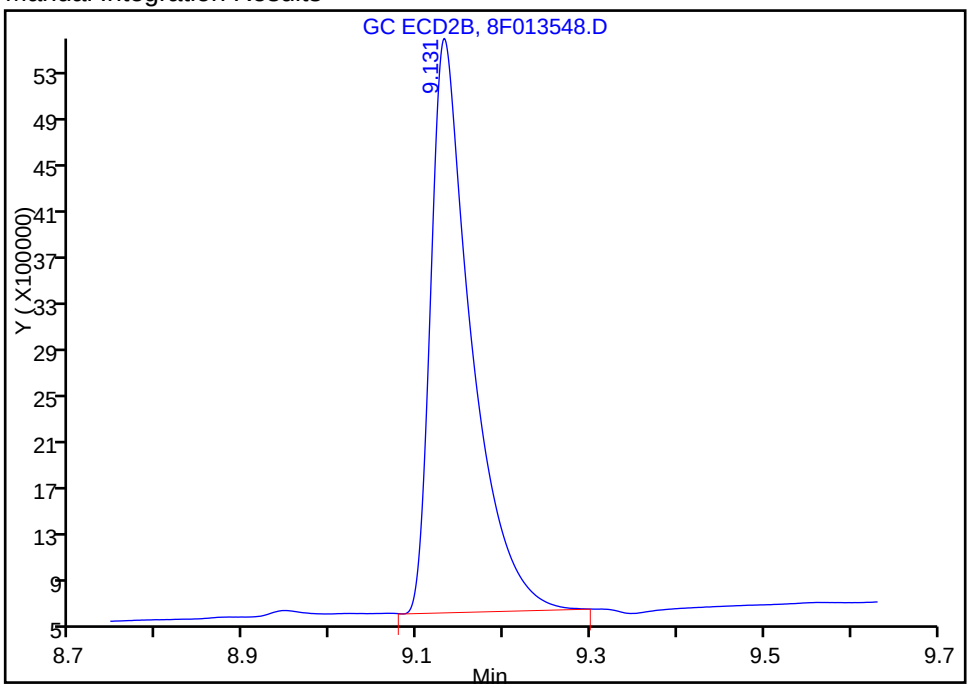
Processing Integration Results

RT: 9.13
Area: 17254587
Amount: 140.8165
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 16122184
Amount: 74.368411
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:41:36

Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

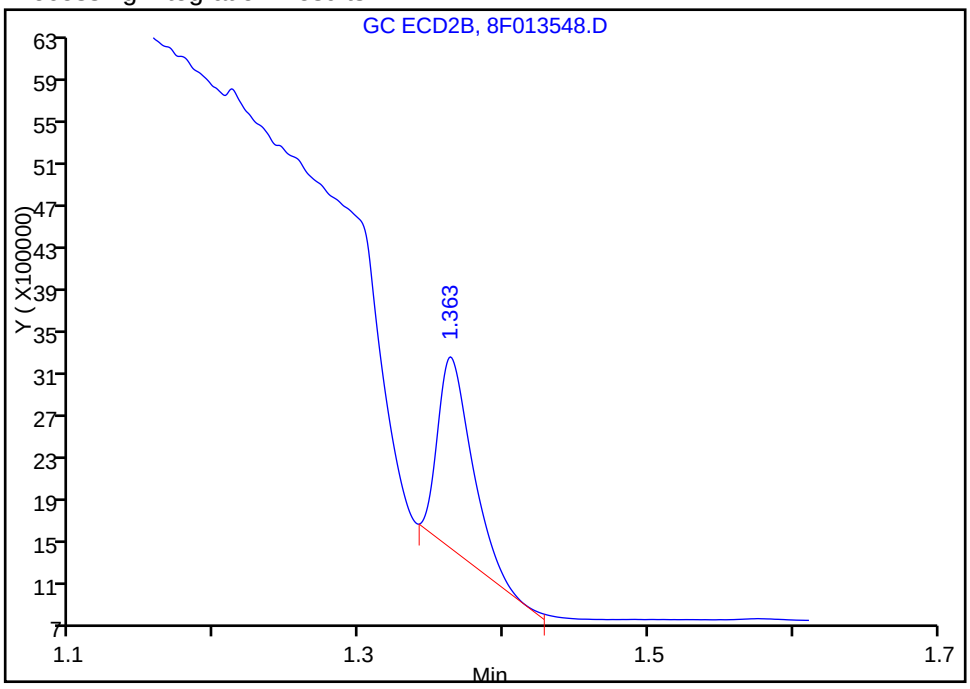
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013548.D				
Injection Date:	23-Aug-2016 16:06:33	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-3-C	Lab Sample ID:	460-118926-3		
Client ID:	SB-2(2-4)08192016				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

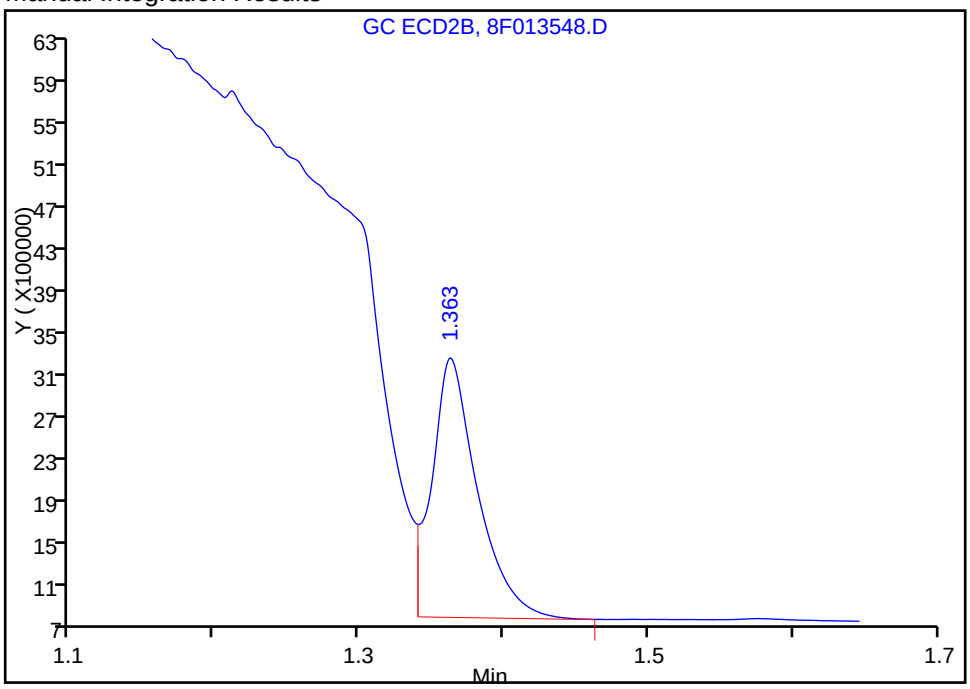
Processing Integration Results

RT: 1.36
Area: 3034612
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 5368927
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:41:36

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(10-12)08192016 | Lab Sample ID: 460-118926-4

Matrix: Solid | Lab File ID: 8F013549.D

Analysis Method: 8082A | Date Collected: 08/19/2016 09:20

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0059(g) | Date Analyzed: 08/23/2016 16:22

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 8.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	150		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013549.D
Lims ID: 460-118926-E-4-C
Client ID: SB-2(10-12)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:22:29 ALS Bottle#: 34 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-014
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:41:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.625	-0.002	4795072	20.0	
2	1.363	1.358	0.005	6813347	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.212	10.227	-0.015	16662633	74.9	M
2	9.126	9.134	-0.008	15955049	58.0	M
					RPD = 25.49	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

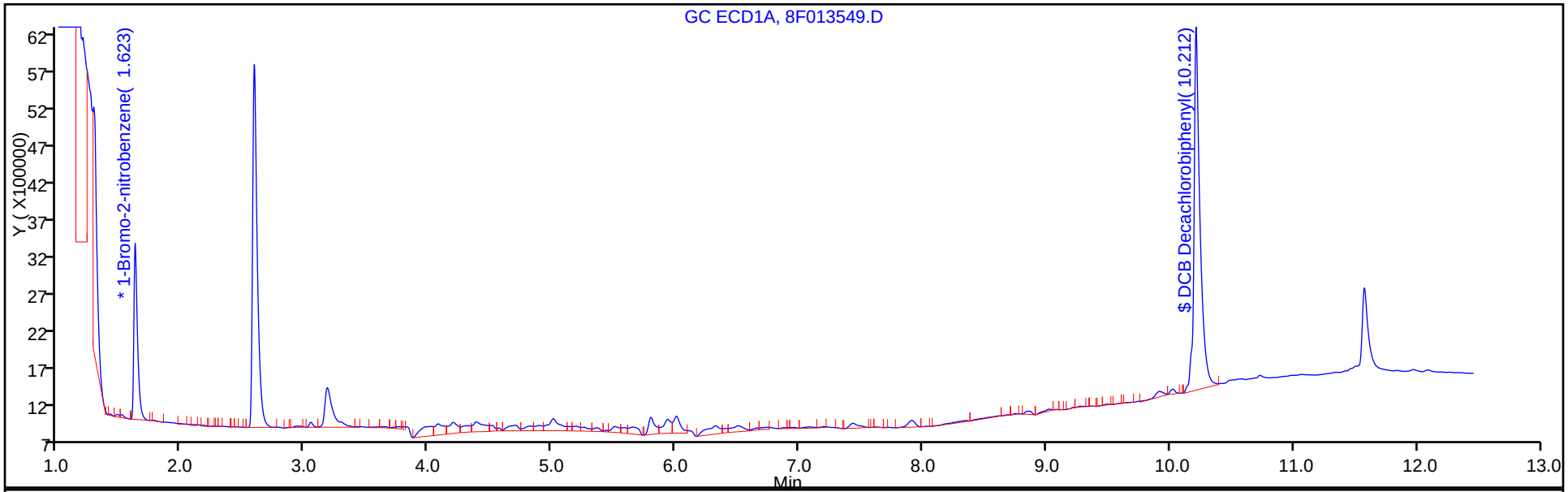
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

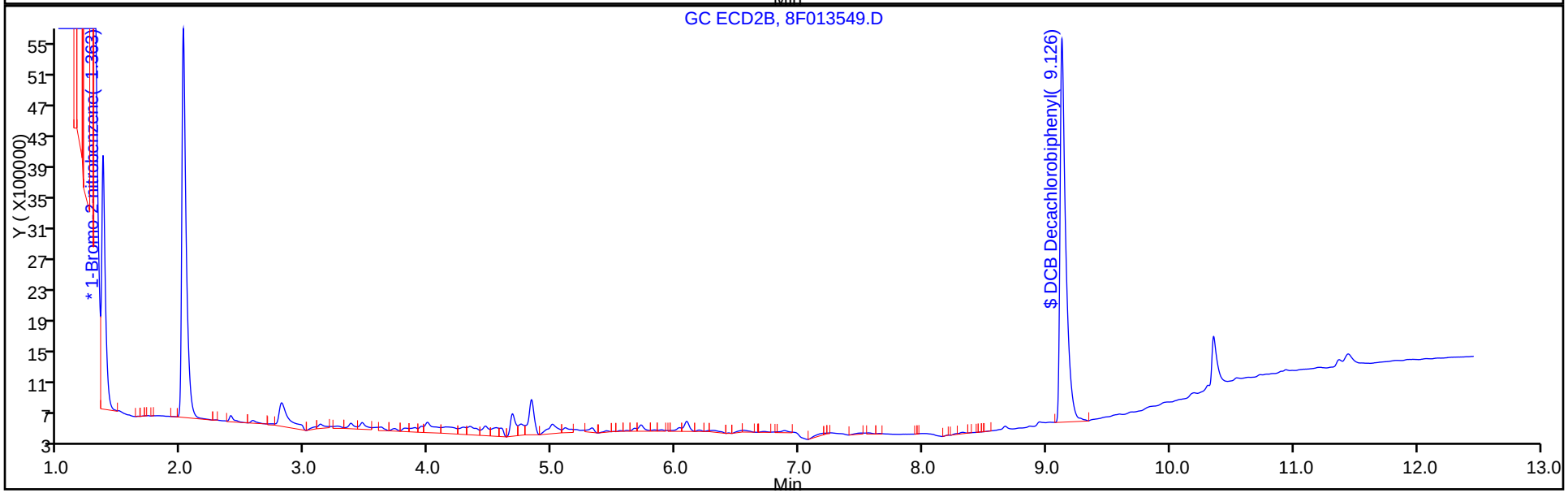
Report Date: 24-Aug-2016 11:23:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013549.D

Injection Date:	23-Aug-2016 16:22:29	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-4-C	Lab Sample ID:	460-118926-4	Worklist Smp#:	14
Client ID:	SB-2(10-12)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

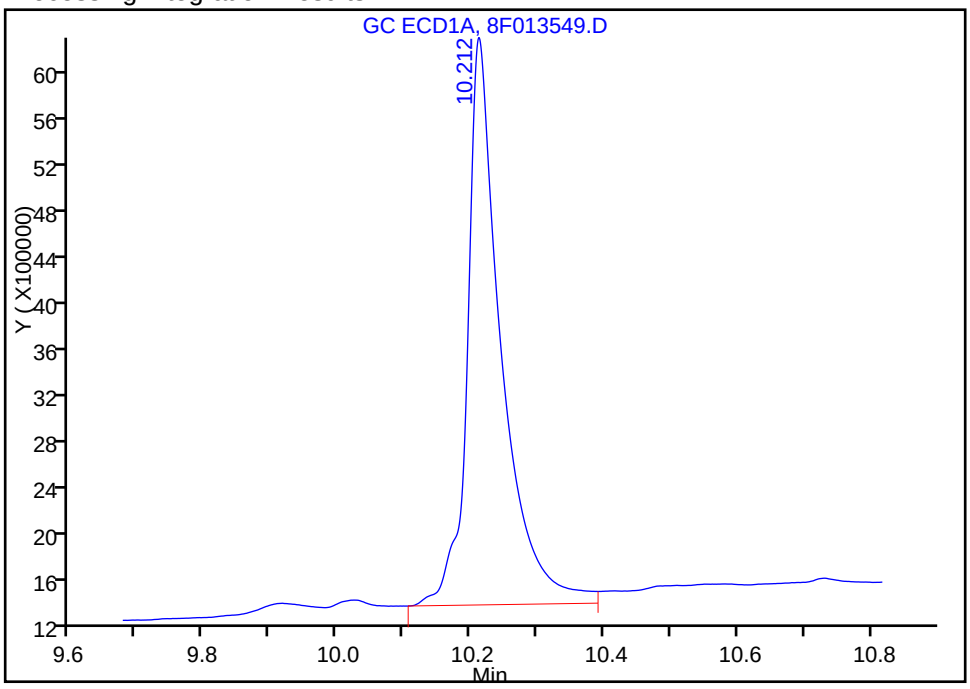
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013549.D				
Injection Date:	23-Aug-2016 16:22:29	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-4-C	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

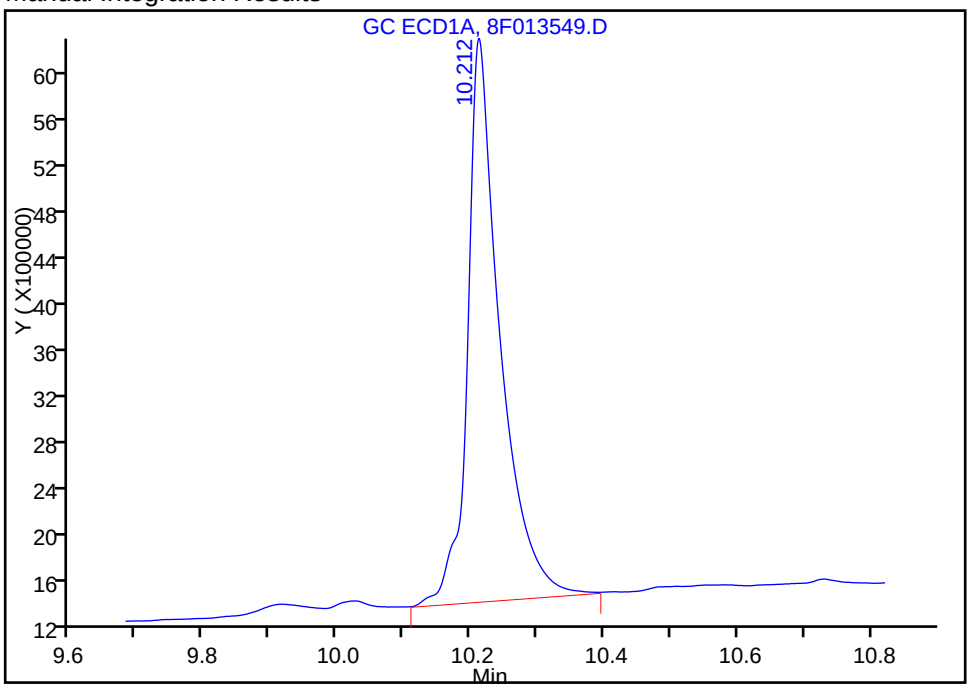
Processing Integration Results

RT: 10.21
Area: 17389911
Amount: 78.206800
Amount Units: ug/l



Manual Integration Results

RT: 10.21
Area: 16662633
Amount: 74.936048
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:41:04

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-2(10-12)08192016 | Lab Sample ID: 460-118926-4

Matrix: Solid | Lab File ID: 8F013549.D

Analysis Method: 8082A | Date Collected: 08/19/2016 09:20

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0059(g) | Date Analyzed: 08/23/2016 16:22

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 8.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	73	U	73	9.7
11104-28-2	Aroclor 1221	73	U	73	9.7
11141-16-5	Aroclor 1232	73	U	73	9.7
53469-21-9	Aroclor 1242	73	U	73	9.7
12672-29-6	Aroclor 1248	73	U	73	9.7
11097-69-1	Aroclor 1254	73	U	73	10
11096-82-5	Aroclor 1260	73	U	73	10
11100-14-4	Aroclor 1268	73	U	73	10
37324-23-5	Aroclor-1262	73	U	73	10
1336-36-3	Polychlorinated biphenyls, Total	73	U	73	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013549.D
Lims ID: 460-118926-E-4-C
Client ID: SB-2(10-12)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:22:29 ALS Bottle#: 34 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-014
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:41:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.625	-0.002	4795072	20.0	
2	1.363	1.358	0.005	6813347	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.212	10.227	-0.015	16662633	74.9	M
2	9.126	9.134	-0.008	15955049	58.0	M
					RPD = 25.49	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

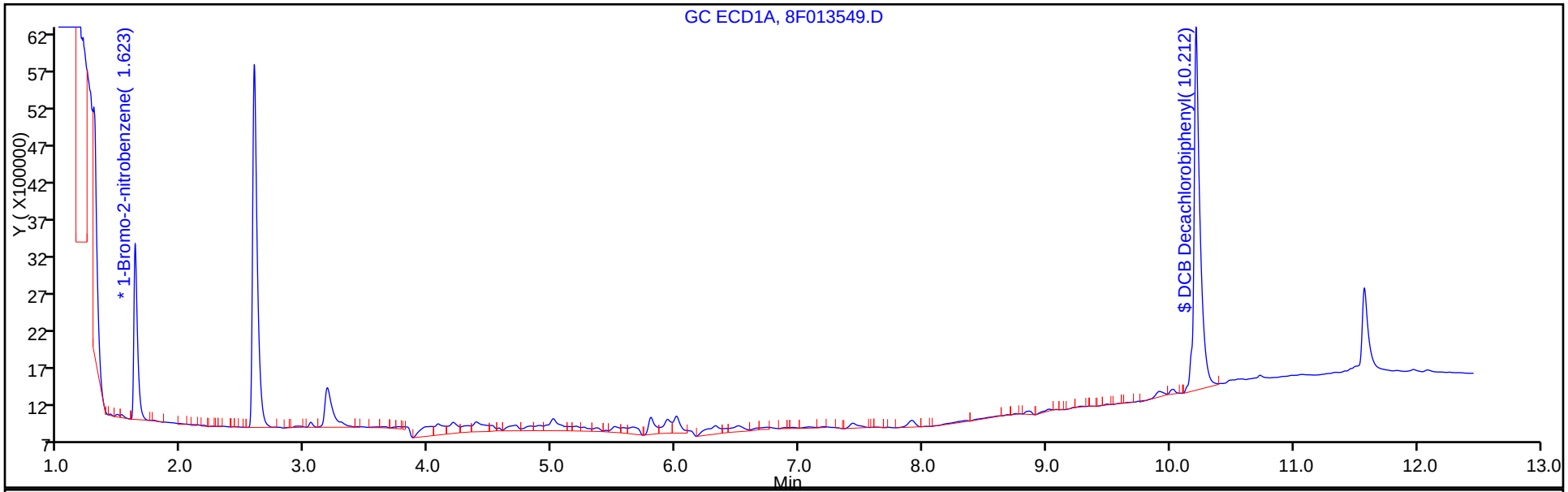
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

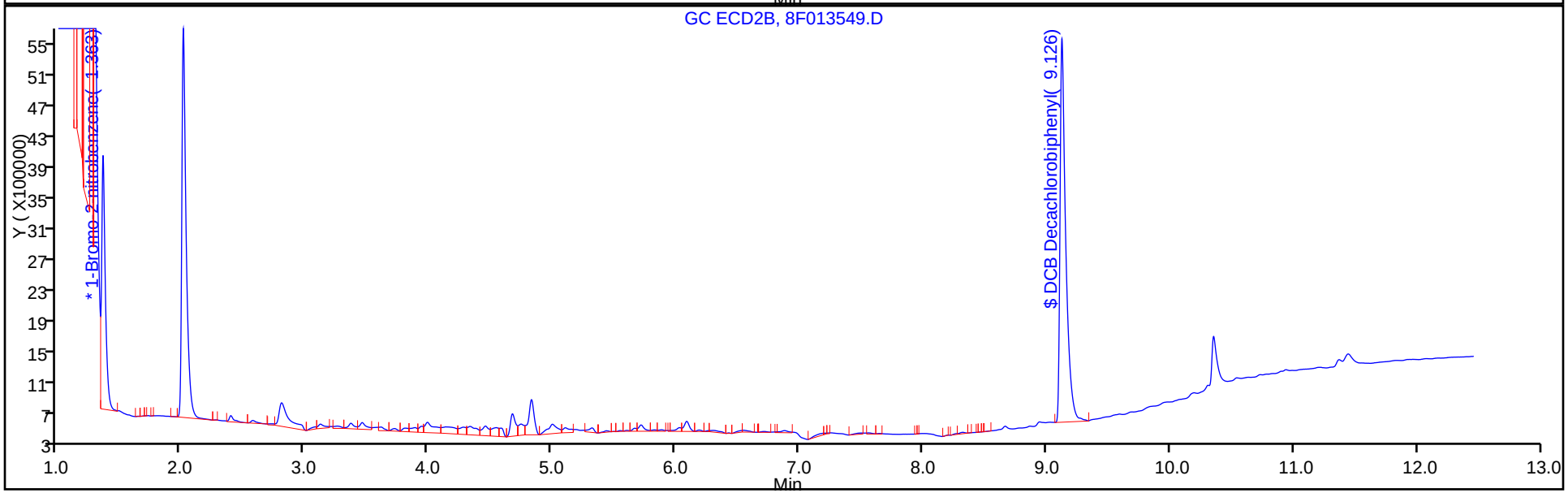
Report Date: 24-Aug-2016 11:23:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013549.D

Injection Date:	23-Aug-2016 16:22:29	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-4-C	Lab Sample ID:	460-118926-4	Worklist Smp#:	14
Client ID:	SB-2(10-12)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

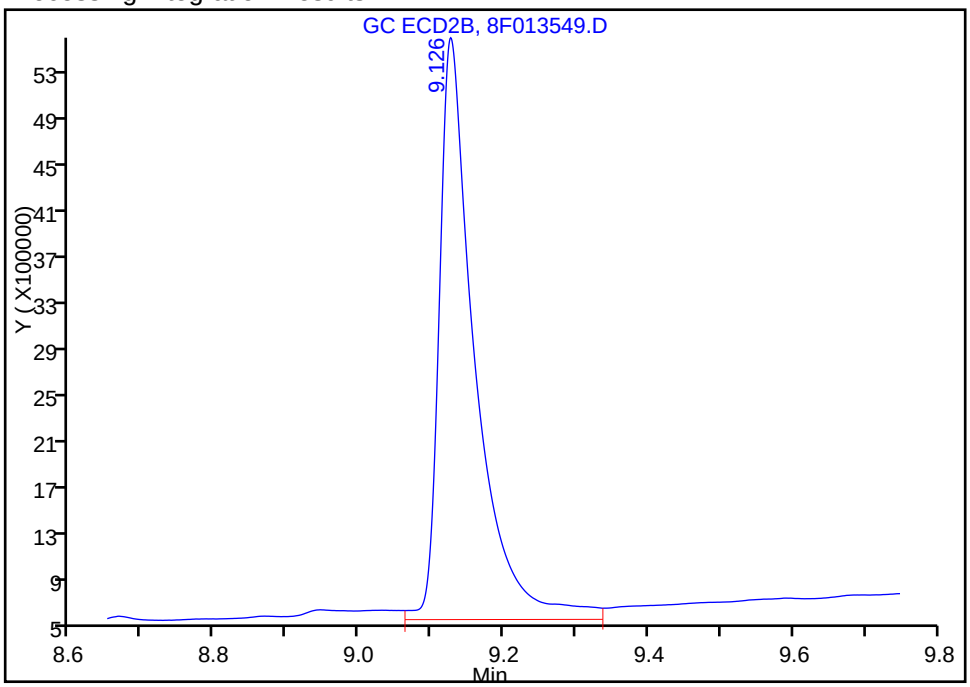
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013549.D				
Injection Date:	23-Aug-2016 16:22:29	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-4-C	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

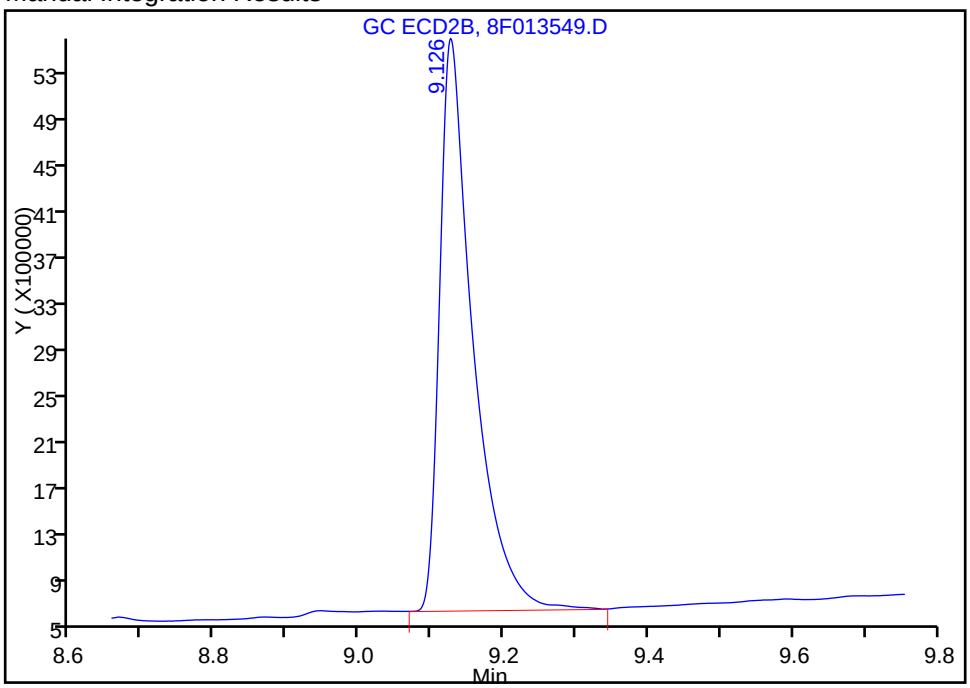
Processing Integration Results

RT: 9.13
Area: 17345386
Amount: 113.1596
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 15955049
Amount: 57.994895
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:41:04

Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

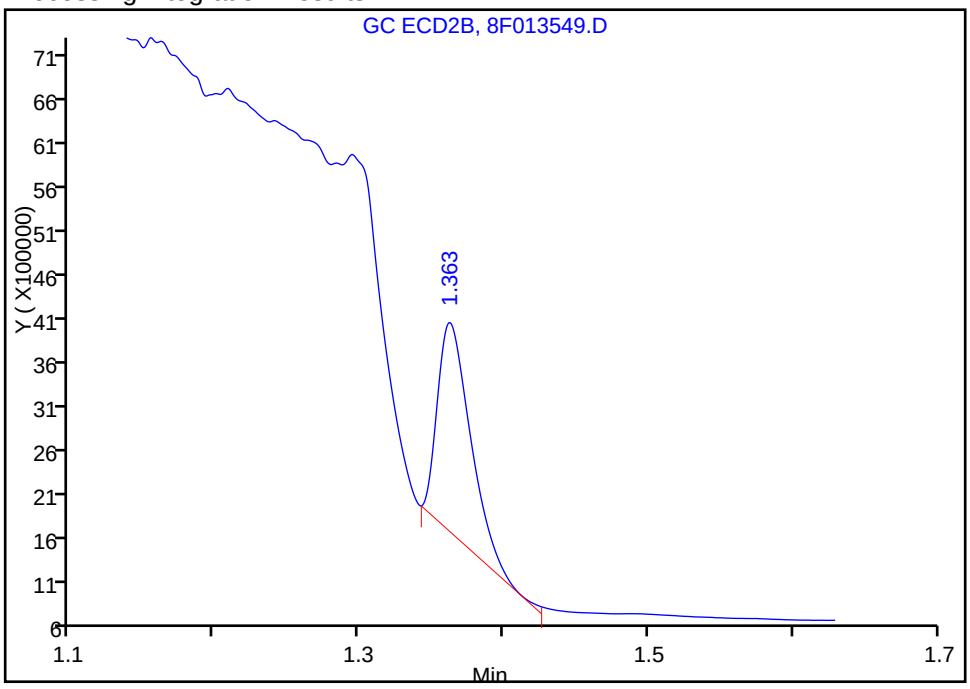
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013549.D				
Injection Date:	23-Aug-2016 16:22:29	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-4-C	Lab Sample ID:	460-118926-4		
Client ID:	SB-2(10-12)08192016				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

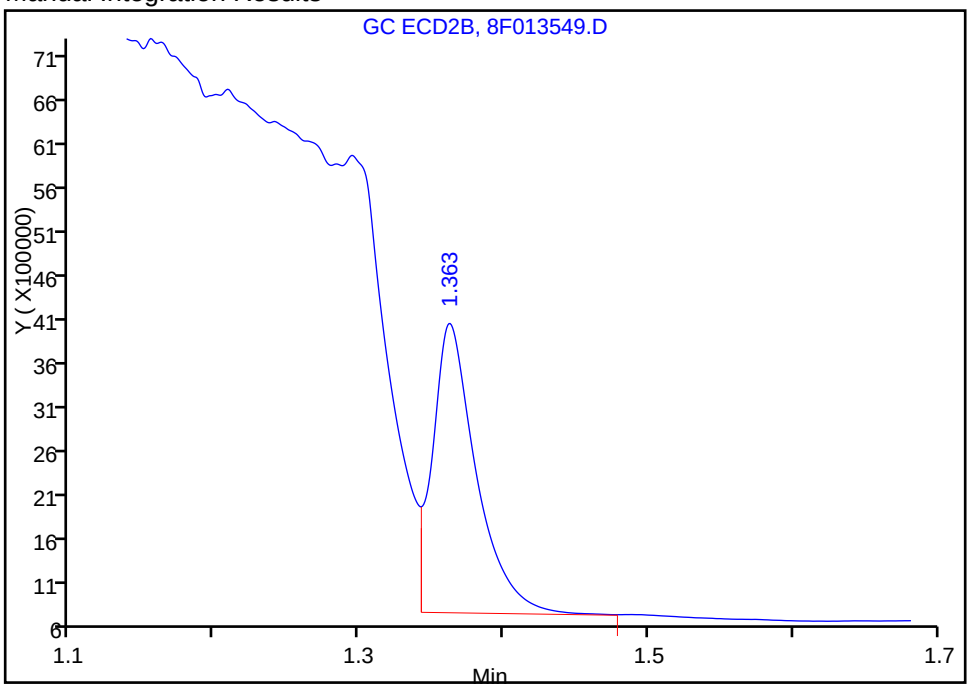
Processing Integration Results

RT: 1.36
Area: 3796163
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 6813347
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:41:04

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(2-4)08192016 | Lab Sample ID: 460-118926-5

Matrix: Solid | Lab File ID: 8F013550.D

Analysis Method: 8082A | Date Collected: 08/19/2016 09:42

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0093(g) | Date Analyzed: 08/23/2016 16:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	148		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013550.D
Lims ID: 460-118926-E-5-C
Client ID: SB-3(2-4)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:38:21 ALS Bottle#: 35 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-015
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:39:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.625	-0.002	4582718	20.0	
2	1.362	1.358	0.004	6519074	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.230	10.227	0.003	15689240	73.8	
2	9.135	9.134	0.001	15525341	59.0	M
					RPD = 22.36	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

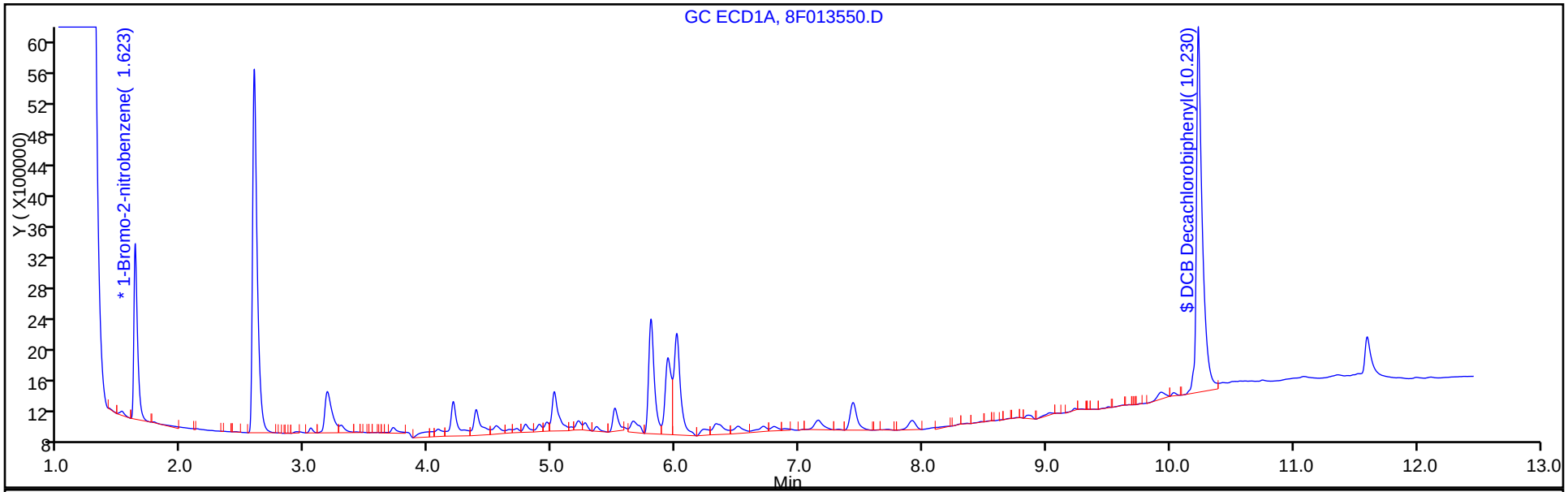
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

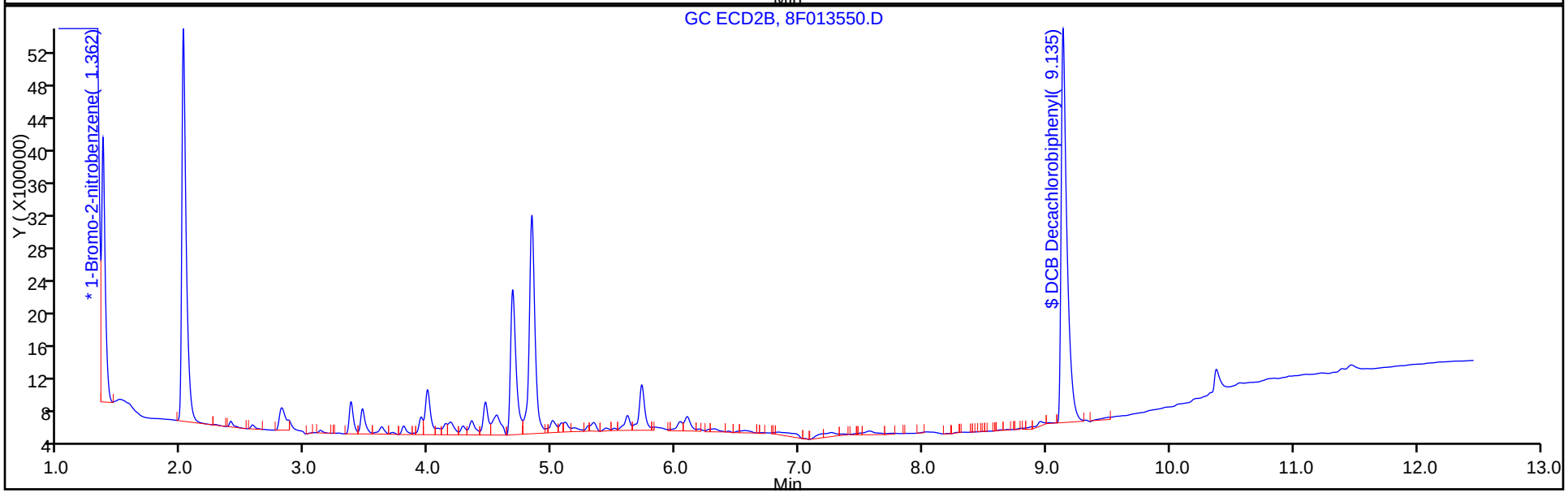
Report Date: 24-Aug-2016 11:23:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013550.D

Injection Date:	23-Aug-2016 16:38:21	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-5-C	Lab Sample ID:	460-118926-5	Worklist Smp#:	15
Client ID:	SB-3(2-4)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(2-4)08192016 | Lab Sample ID: 460-118926-5

Matrix: Solid | Lab File ID: 8F013550.D

Analysis Method: 8082A | Date Collected: 08/19/2016 09:42

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0093(g) | Date Analyzed: 08/23/2016 16:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	73	U	73	9.7
11104-28-2	Aroclor 1221	73	U	73	9.7
11141-16-5	Aroclor 1232	73	U	73	9.7
53469-21-9	Aroclor 1242	73	U	73	9.7
12672-29-6	Aroclor 1248	73	U	73	9.7
11097-69-1	Aroclor 1254	73	U	73	10
11096-82-5	Aroclor 1260	73	U	73	10
11100-14-4	Aroclor 1268	73	U	73	10
37324-23-5	Aroclor-1262	73	U	73	10
1336-36-3	Polychlorinated biphenyls, Total	73	U	73	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013550.D
Lims ID: 460-118926-E-5-C
Client ID: SB-3(2-4)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:38:21 ALS Bottle#: 35 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-015
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:39:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.625	-0.002	4582718	20.0	
2	1.362	1.358	0.004	6519074	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.230	10.227	0.003	15689240	73.8	
2	9.135	9.134	0.001	15525341	59.0	M
					RPD = 22.36	

QC Flag Legend

Review Flags
M - Manually Integrated

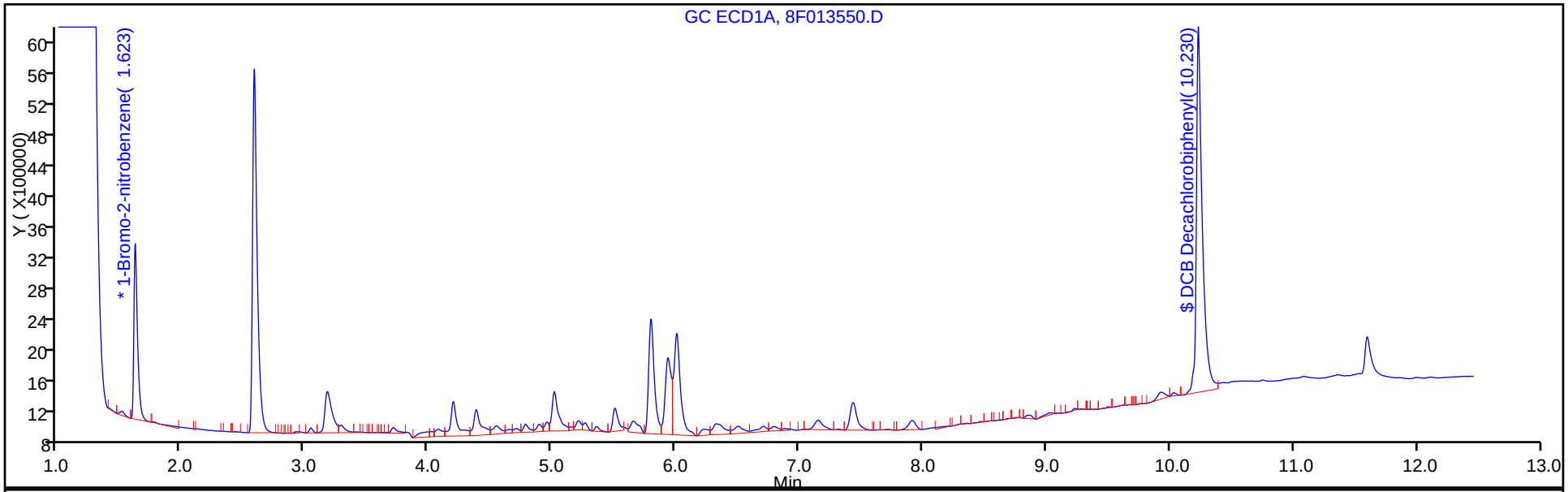
Reagents:

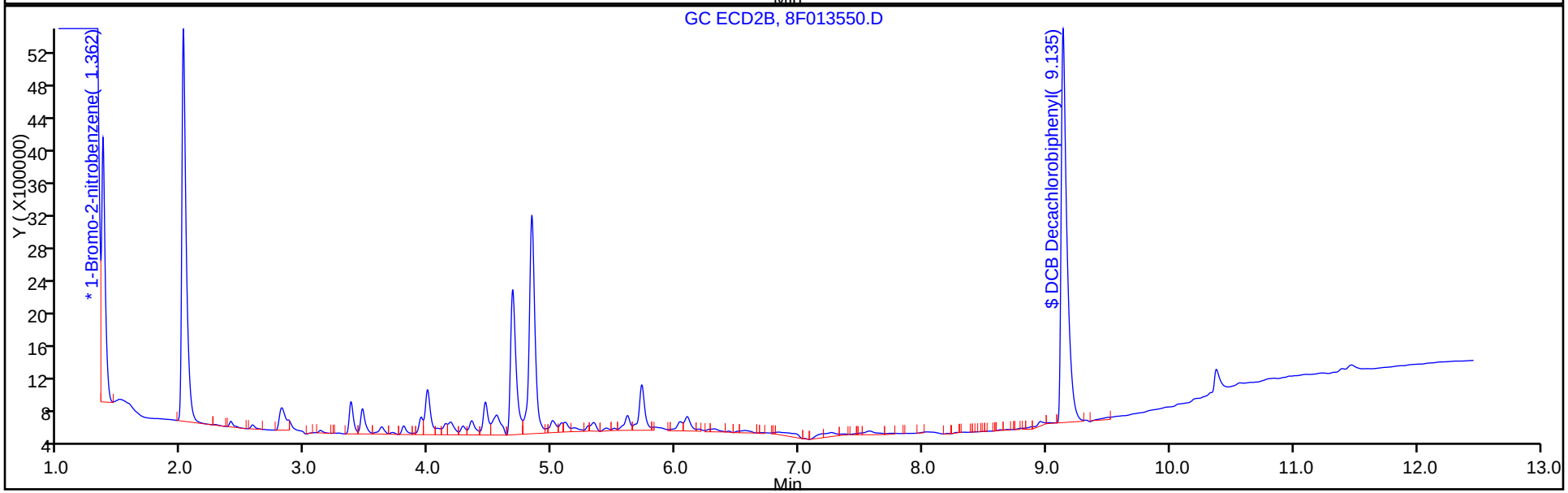
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:23:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013550.D				
Injection Date:	23-Aug-2016 16:38:21	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-5-C	Lab Sample ID:	460-118926-5	Worklist Smp#:	15
Client ID:	SB-3(2-4)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

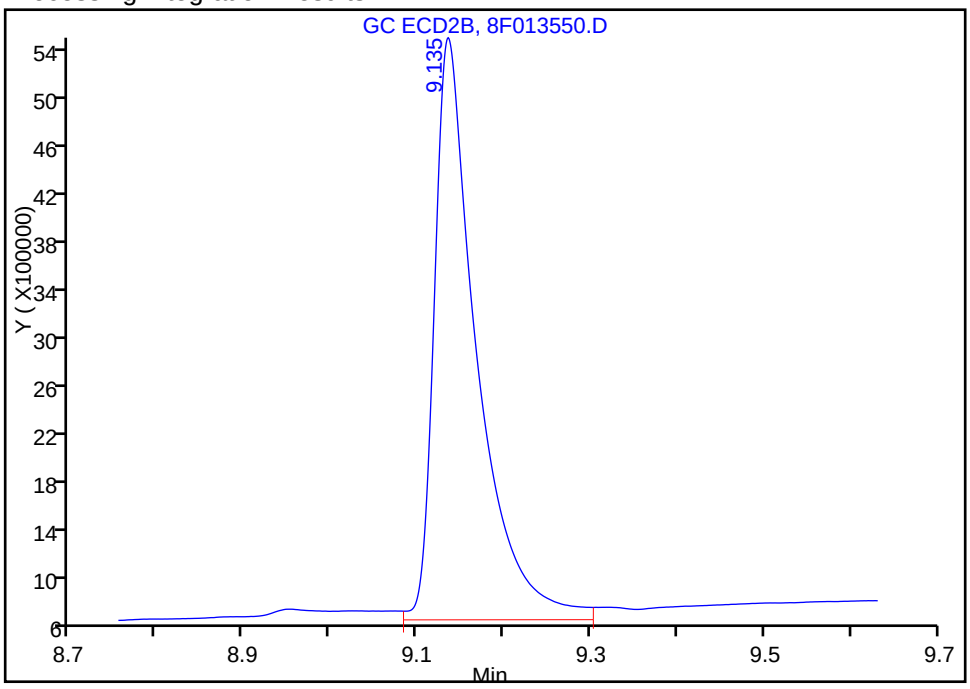
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013550.D				
Injection Date:	23-Aug-2016 16:38:21	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-5-C	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

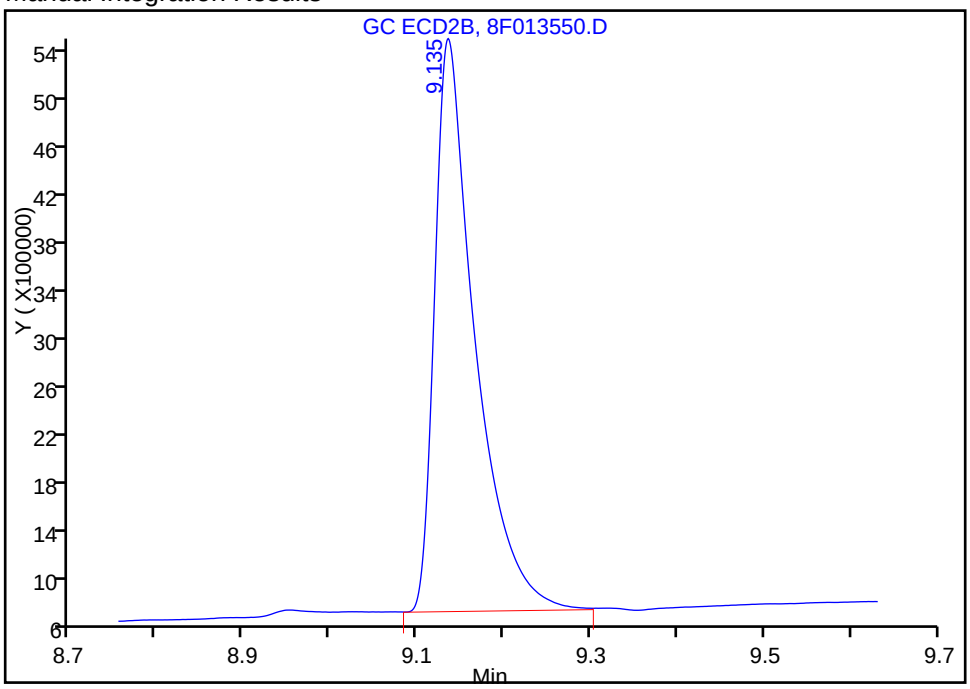
Processing Integration Results

RT: 9.14
Area: 16590866
Amount: 146.2845
Amount Units: ug/l



Manual Integration Results

RT: 9.14
Area: 15525341
Amount: 58.980353
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:39:49

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

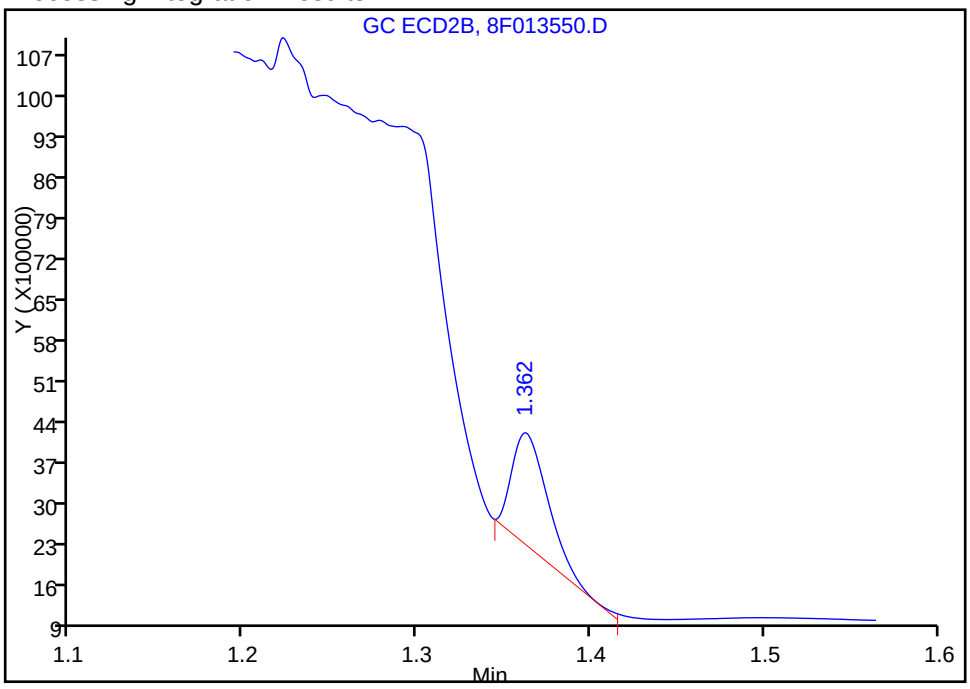
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013550.D				
Injection Date:	23-Aug-2016 16:38:21	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-5-C	Lab Sample ID:	460-118926-5		
Client ID:	SB-3(2-4)08192016				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

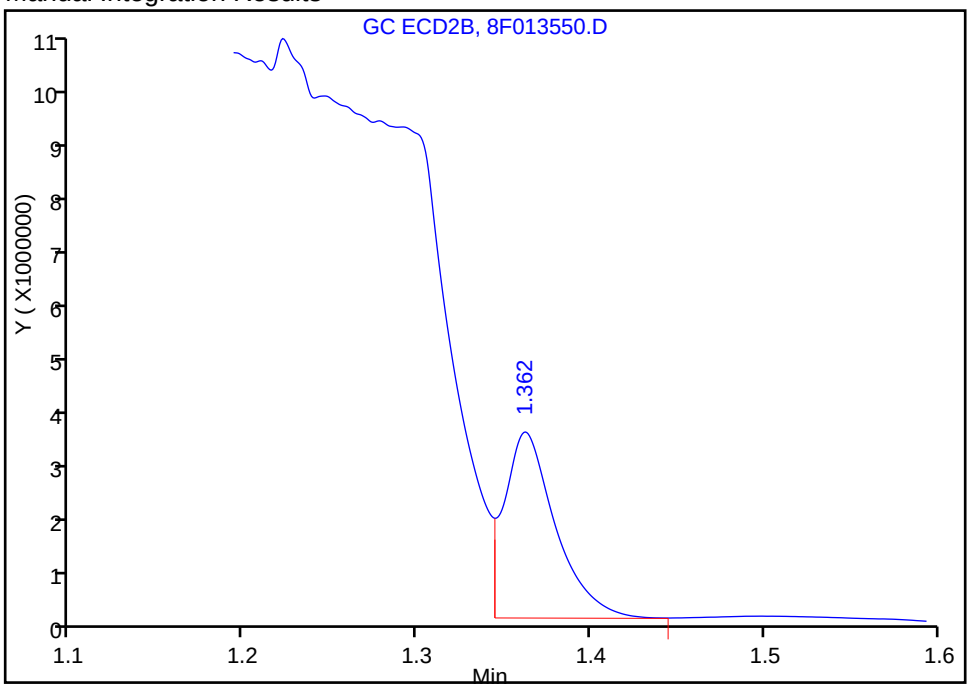
Processing Integration Results

RT: 1.36
Area: 2808814
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 6519074
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:39:49

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(13-15)08192016 | Lab Sample ID: 460-118926-6

Matrix: Solid | Lab File ID: 8F013551.D

Analysis Method: 8082A | Date Collected: 08/19/2016 09:55

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0077(g) | Date Analyzed: 08/23/2016 16:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	147		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013551.D
Lims ID: 460-118926-E-6-C
Client ID: SB-3(13-15)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:54:18 ALS Bottle#: 36 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-016
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:39:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.622	1.625	-0.003	4441206	20.0	M
2	1.362	1.358	0.004	7008085	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.225	10.227	-0.002	15163972	73.6	M
2	9.135	9.134	0.001	17213548	60.8	M
					RPD = 19.04	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

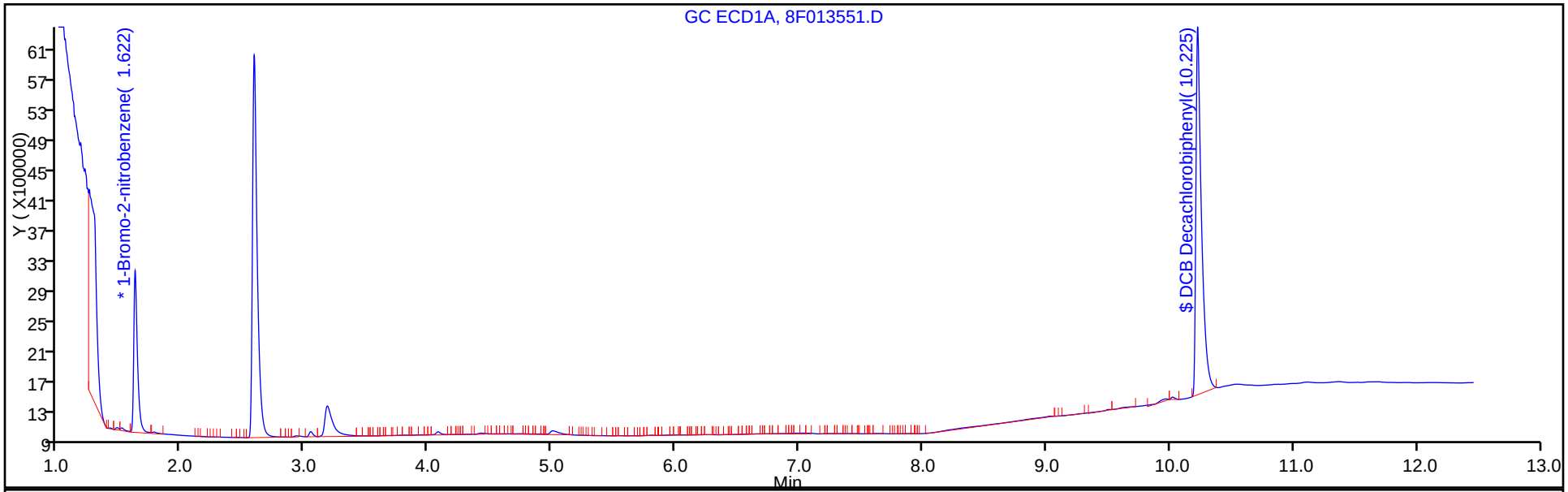
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

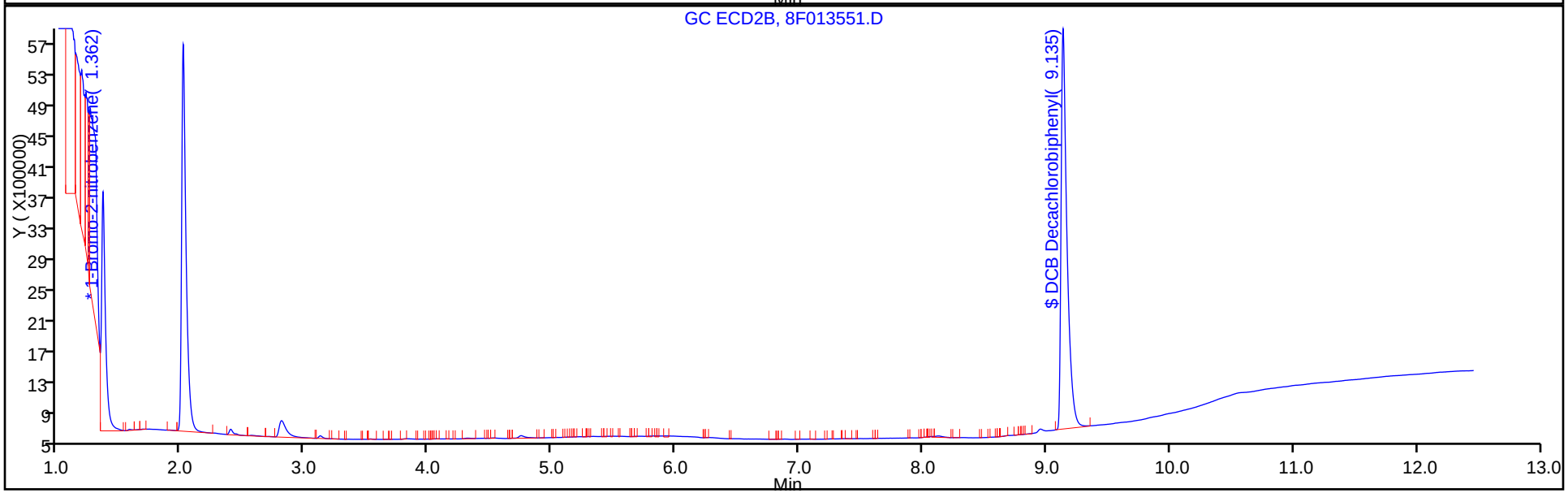
Report Date: 24-Aug-2016 11:23:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013551.D

Injection Date:	23-Aug-2016 16:54:18	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-6-C	Lab Sample ID:	460-118926-6	Worklist Smp#:	16
Client ID:	SB-3(13-15)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	36
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

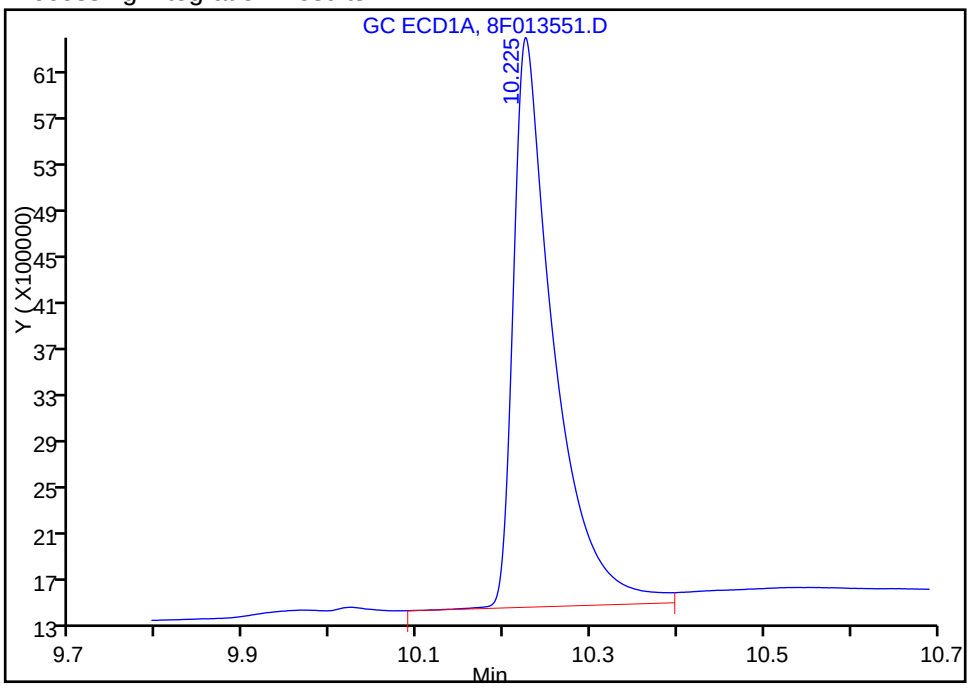
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013551.D				
Injection Date:	23-Aug-2016 16:54:18	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-6-C	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	36	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

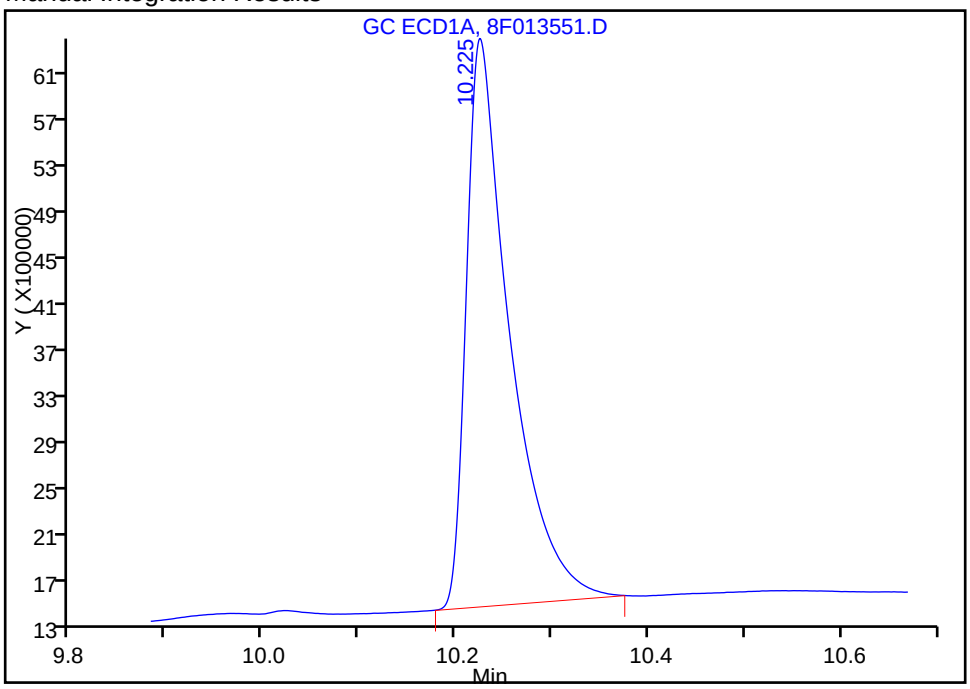
Processing Integration Results

RT: 10.22
Area: 15918860
Amount: 78.984314
Amount Units: ug/l



Manual Integration Results

RT: 10.22
Area: 15163972
Amount: 73.629923
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:39:20

Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Edison

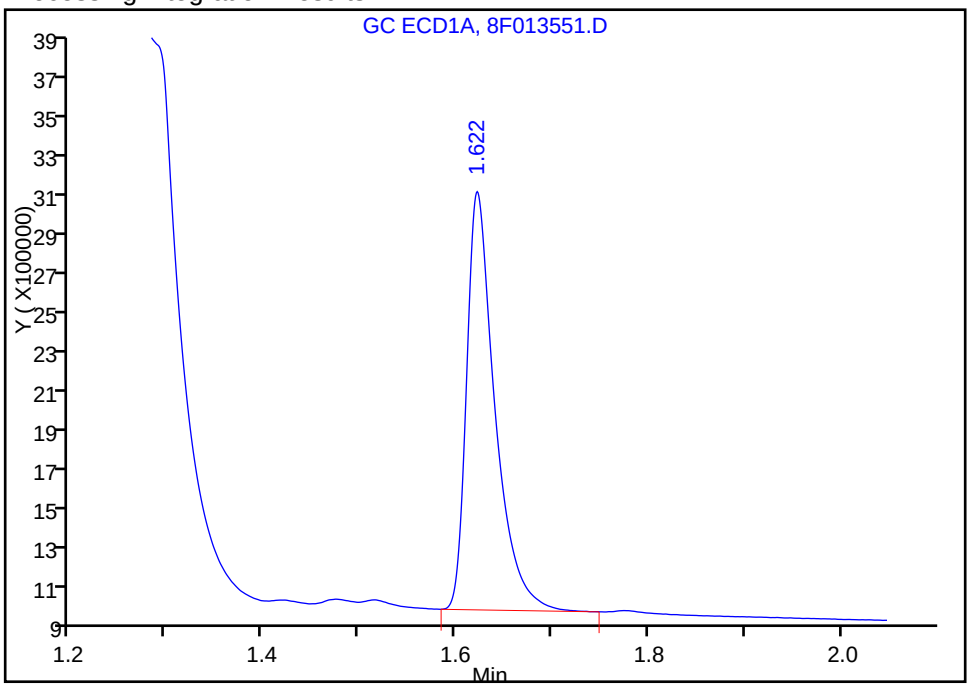
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013551.D				
Injection Date:	23-Aug-2016 16:54:18	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-6-C	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	36	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

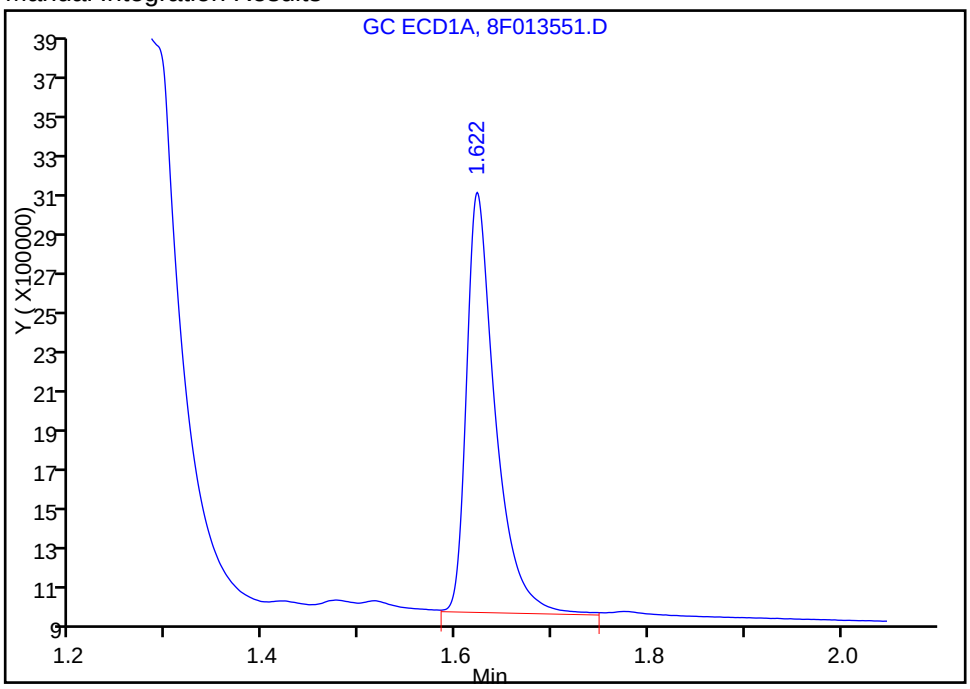
Processing Integration Results

RT: 1.62
Area: 4346237
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.62
Area: 4441206
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:39:20

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-3(13-15)08192016 | Lab Sample ID: 460-118926-6

Matrix: Solid | Lab File ID: 8F013551.D

Analysis Method: 8082A | Date Collected: 08/19/2016 09:55

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0077(g) | Date Analyzed: 08/23/2016 16:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	71	U	71	9.4
11104-28-2	Aroclor 1221	71	U	71	9.4
11141-16-5	Aroclor 1232	71	U	71	9.4
53469-21-9	Aroclor 1242	71	U	71	9.4
12672-29-6	Aroclor 1248	71	U	71	9.4
11097-69-1	Aroclor 1254	71	U	71	9.7
11096-82-5	Aroclor 1260	71	U	71	9.7
11100-14-4	Aroclor 1268	71	U	71	9.7
37324-23-5	Aroclor-1262	71	U	71	9.7
1336-36-3	Polychlorinated biphenyls, Total	71	U	71	9.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	122		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013551.D
Lims ID: 460-118926-E-6-C
Client ID: SB-3(13-15)08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 16:54:18 ALS Bottle#: 36 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-016
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:39:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.622	1.625	-0.003	4441206	20.0	M
2	1.362	1.358	0.004	7008085	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.225	10.227	-0.002	15163972	73.6	M
2	9.135	9.134	0.001	17213548	60.8	M
					RPD = 19.04	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

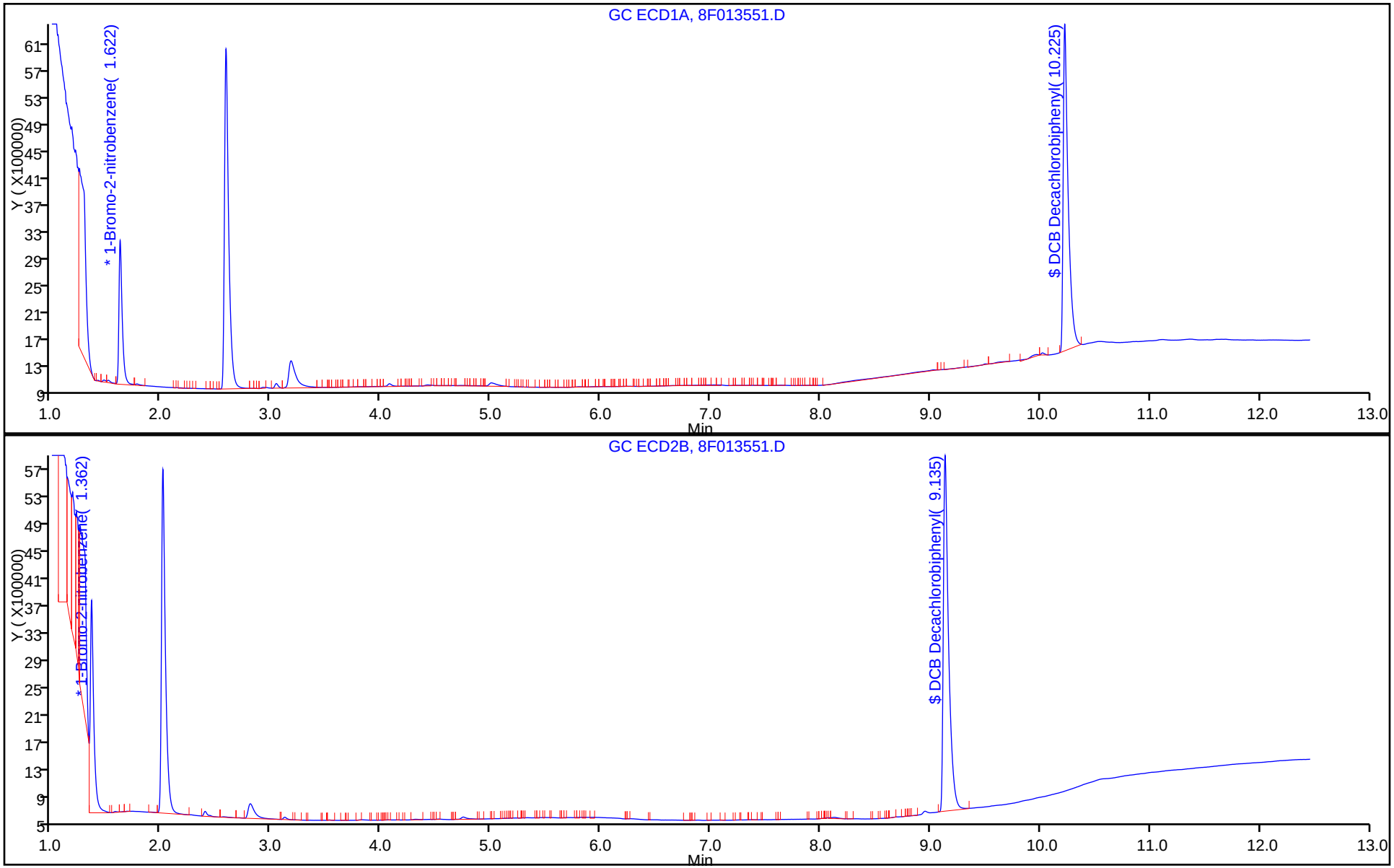
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:23:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013551.D

Injection Date:	23-Aug-2016 16:54:18	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-6-C	Lab Sample ID:	460-118926-6	Worklist Smp#:	16
Client ID:	SB-3(13-15)08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	36
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

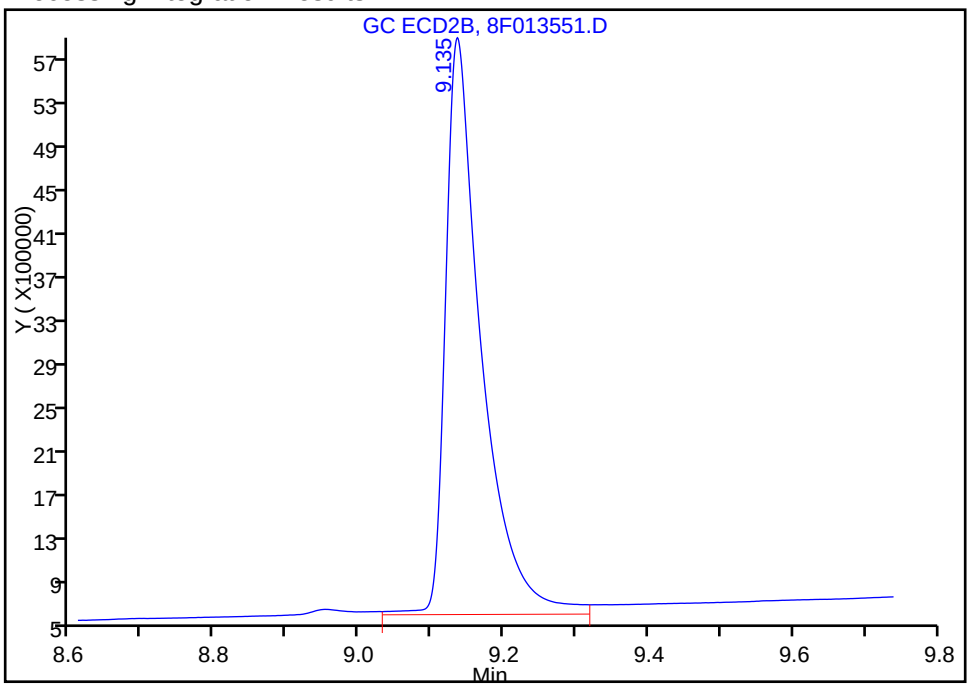
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013551.D				
Injection Date:	23-Aug-2016 16:54:18	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-6-C	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	36	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

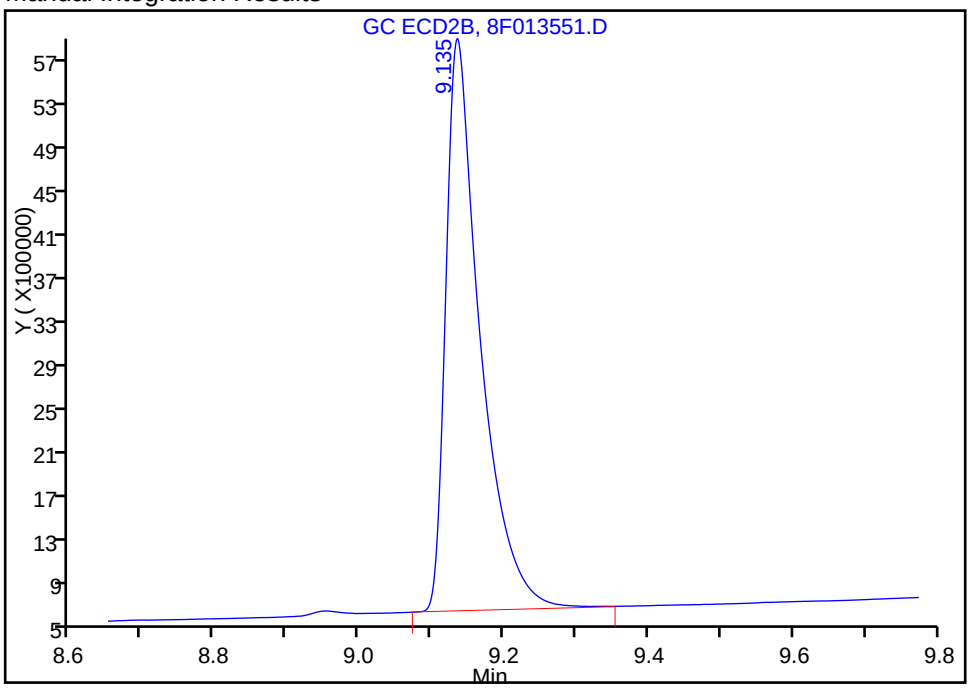
Processing Integration Results

RT: 9.14
Area: 18132530
Amount: 113.7956
Amount Units: ug/l



Manual Integration Results

RT: 9.14
Area: 17213548
Amount: 60.830749
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:39:20

Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Edison

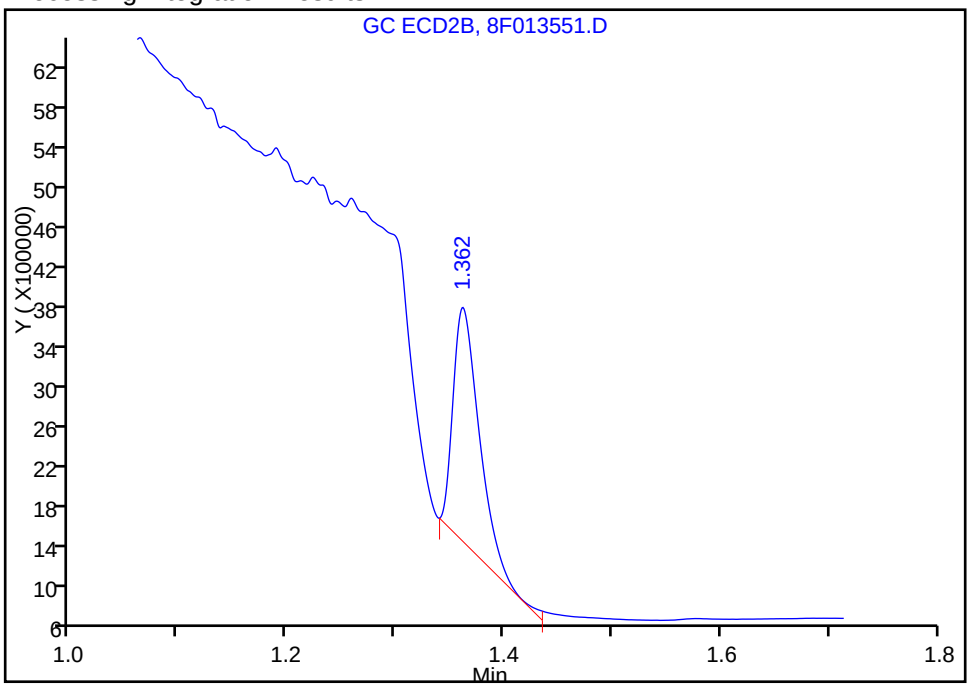
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013551.D				
Injection Date:	23-Aug-2016 16:54:18	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-6-C	Lab Sample ID:	460-118926-6		
Client ID:	SB-3(13-15)08192016				
Operator ID:		ALS Bottle#:	36	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

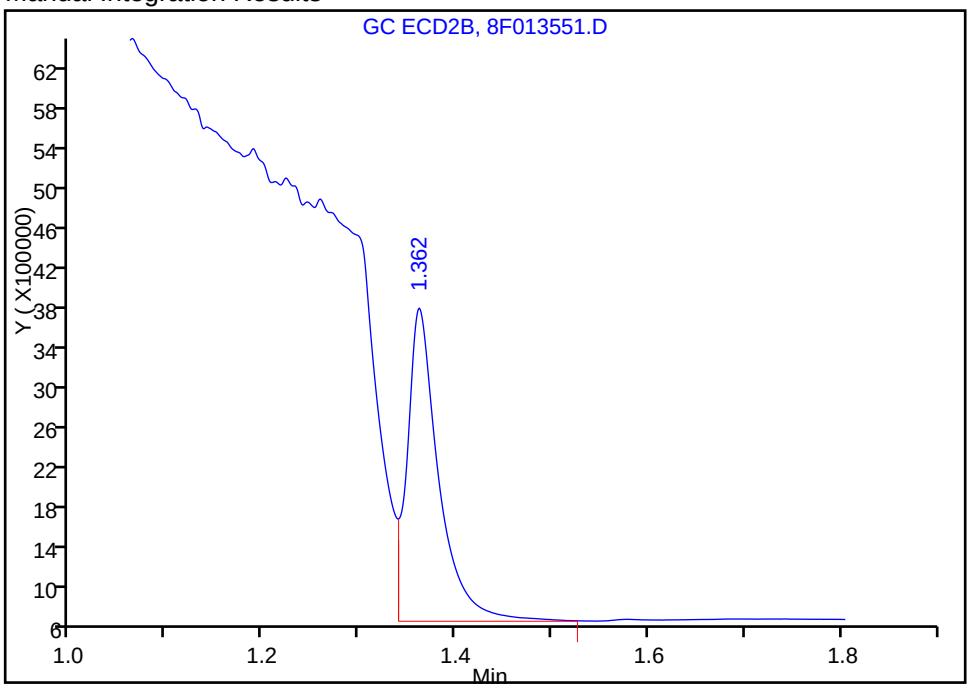
Processing Integration Results

RT: 1.36
Area: 3946254
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 7008085
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:39:20

Audit Action: Manually Integrated Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-X08192016 | Lab Sample ID: 460-118926-7

Matrix: Solid | Lab File ID: 8F013552.D

Analysis Method: 8082A | Date Collected: 08/19/2016 00:00

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0080(g) | Date Analyzed: 08/23/2016 17:10

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	145		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013552.D
Lims ID: 460-118926-E-7-B
Client ID: SB-X08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:10:10 ALS Bottle#: 37 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-017
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:38:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.625	-0.002	4712179	20.0	
2	1.363	1.358	0.005	7438523	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.219	10.227	-0.008	15819237	72.4	M
2	9.132	9.134	-0.002	17011864	56.6	M
					RPD = 24.42	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

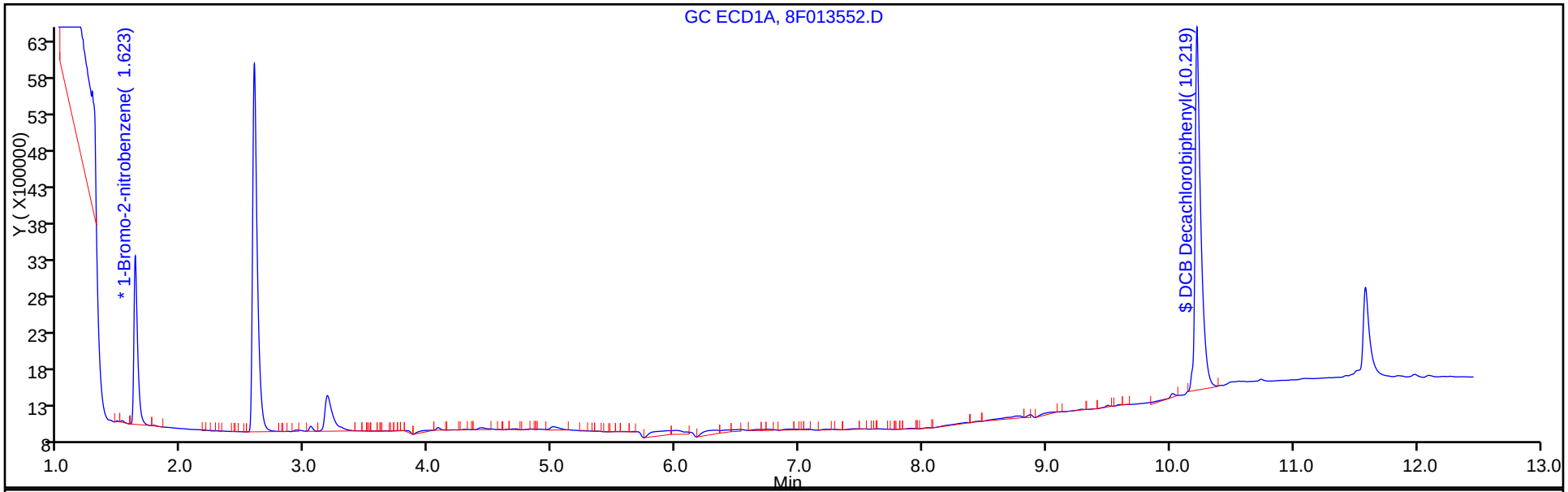
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

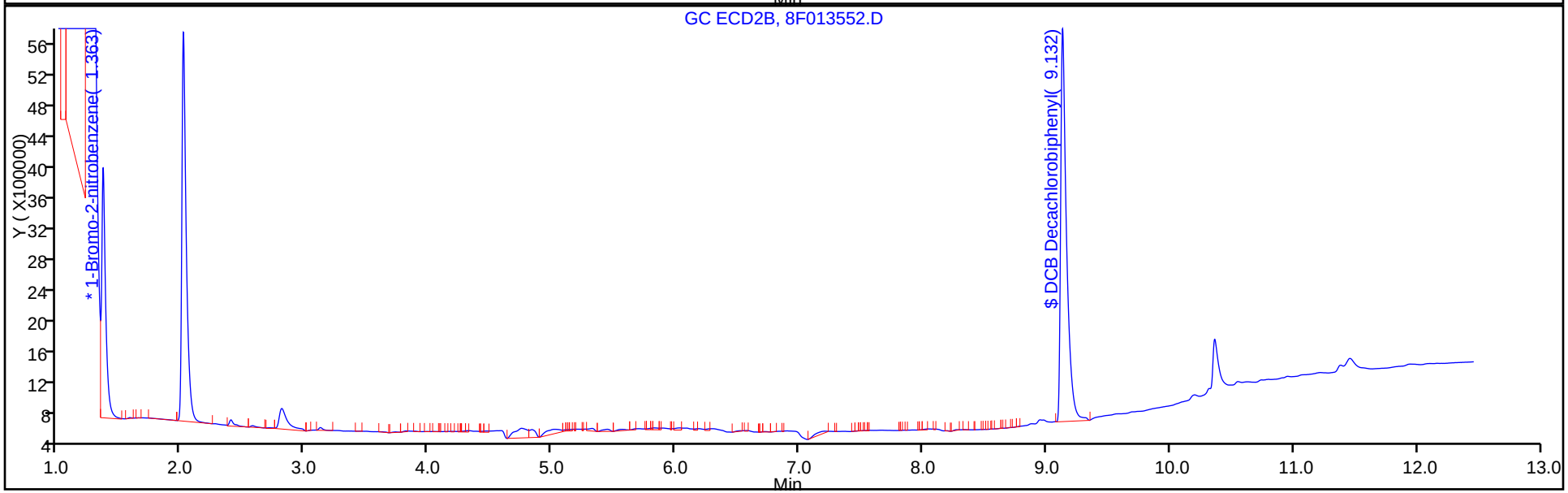
Report Date: 24-Aug-2016 11:23:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013552.D

Injection Date:	23-Aug-2016 17:10:10	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-7-B	Lab Sample ID:	460-118926-7	Worklist Smp#:	17
Client ID:	SB-X08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	37
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

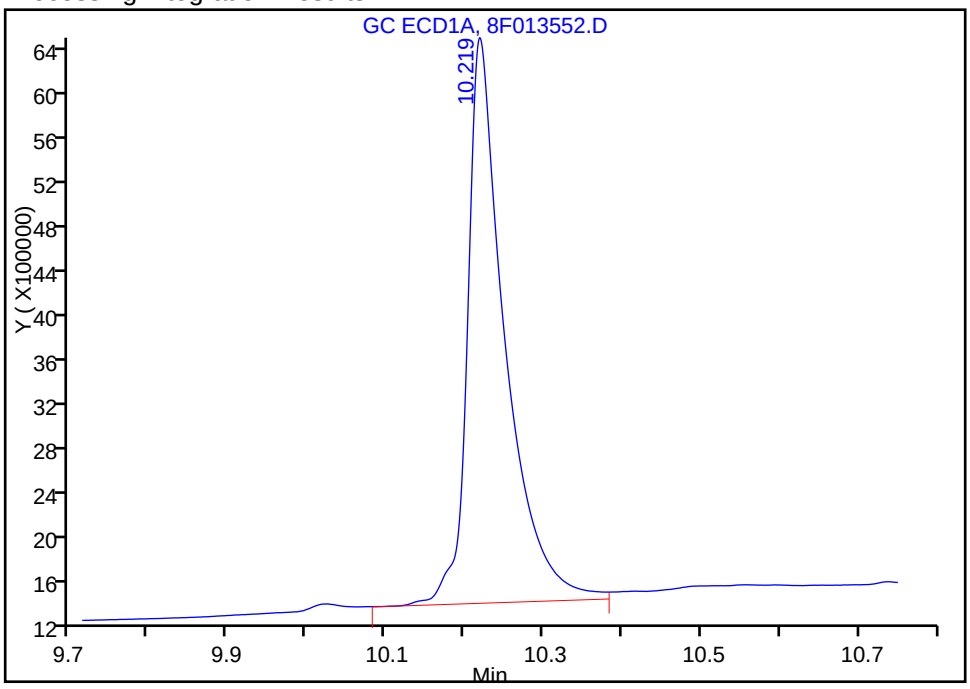
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013552.D				
Injection Date:	23-Aug-2016 17:10:10	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-7-B	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	37	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

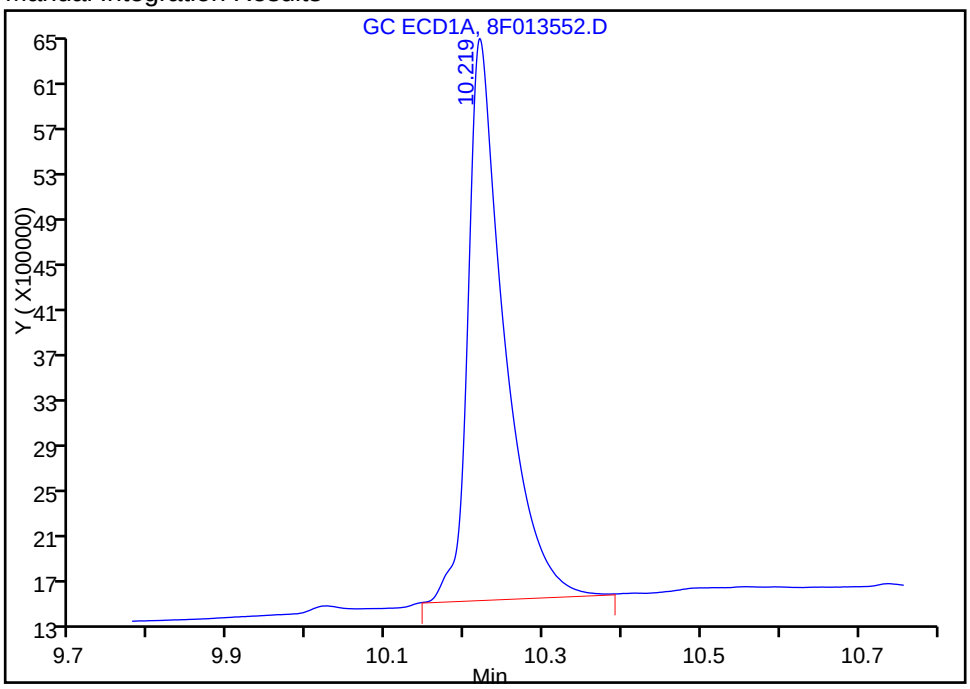
Processing Integration Results

RT: 10.22
Area: 16473047
Amount: 75.386651
Amount Units: ug/l



Manual Integration Results

RT: 10.22
Area: 15819237
Amount: 72.394578
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:38:43

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-X08192016 | Lab Sample ID: 460-118926-7

Matrix: Solid | Lab File ID: 8F013552.D

Analysis Method: 8082A | Date Collected: 08/19/2016 00:00

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0080(g) | Date Analyzed: 08/23/2016 17:10

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	71	U	71	9.4
11104-28-2	Aroclor 1221	71	U	71	9.4
11141-16-5	Aroclor 1232	71	U	71	9.4
53469-21-9	Aroclor 1242	71	U	71	9.4
12672-29-6	Aroclor 1248	71	U	71	9.4
11097-69-1	Aroclor 1254	71	U	71	9.8
11096-82-5	Aroclor 1260	71	U	71	9.8
11100-14-4	Aroclor 1268	71	U	71	9.8
37324-23-5	Aroclor-1262	71	U	71	9.8
1336-36-3	Polychlorinated biphenyls, Total	71	U	71	9.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	113		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013552.D
Lims ID: 460-118926-E-7-B
Client ID: SB-X08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 17:10:10 ALS Bottle#: 37 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-017
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:38:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.625	-0.002	4712179	20.0	
2	1.363	1.358	0.005	7438523	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.219	10.227	-0.008	15819237	72.4	M
2	9.132	9.134	-0.002	17011864	56.6	M
					RPD = 24.42	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

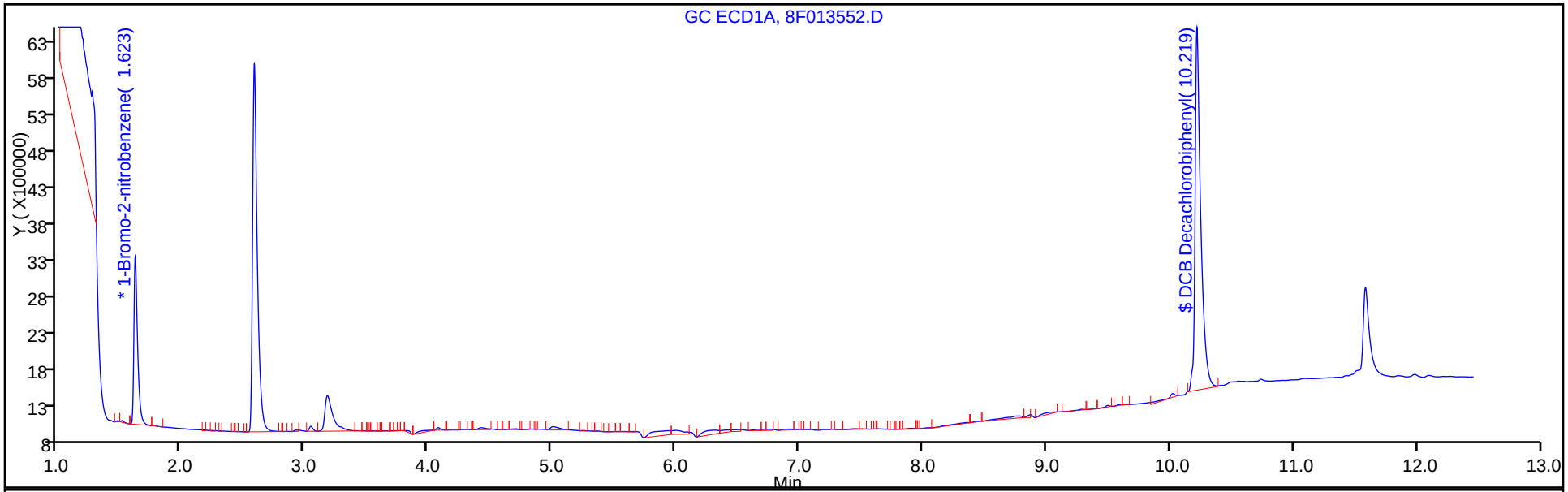
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

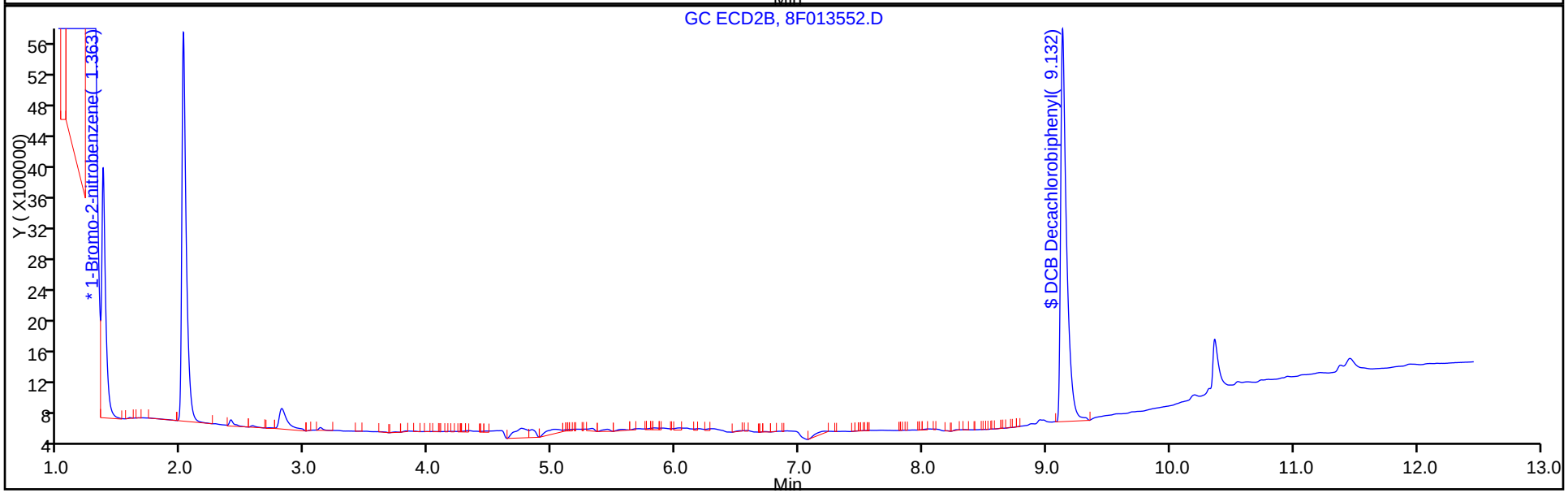
Report Date: 24-Aug-2016 11:23:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013552.D

Injection Date:	23-Aug-2016 17:10:10	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-E-7-B	Lab Sample ID:	460-118926-7	Worklist Smp#:	17
Client ID:	SB-X08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	37
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

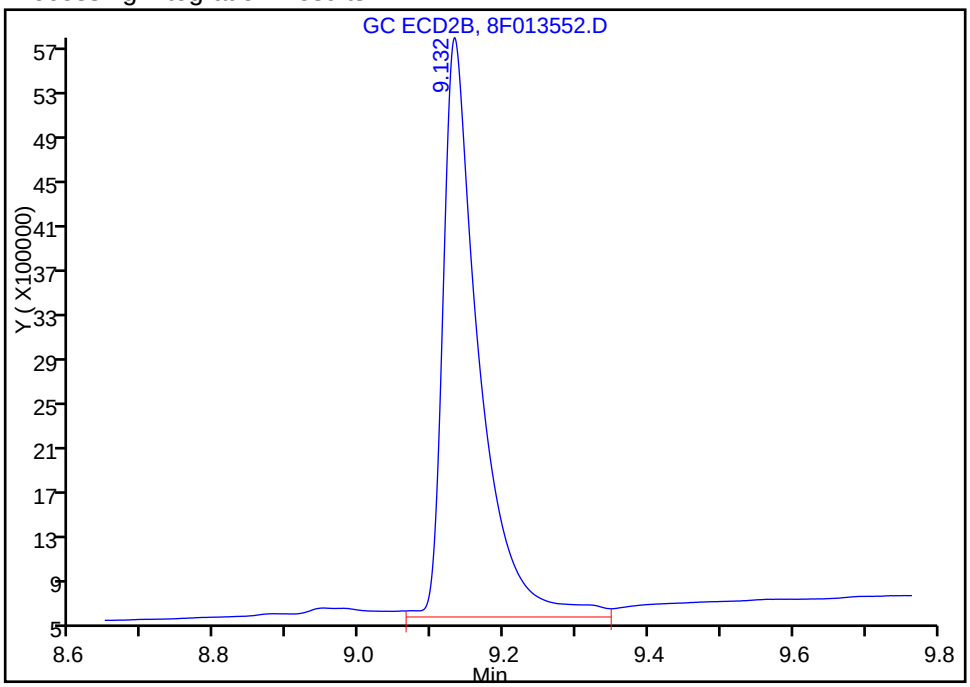
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013552.D				
Injection Date:	23-Aug-2016 17:10:10	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-7-B	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	37	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

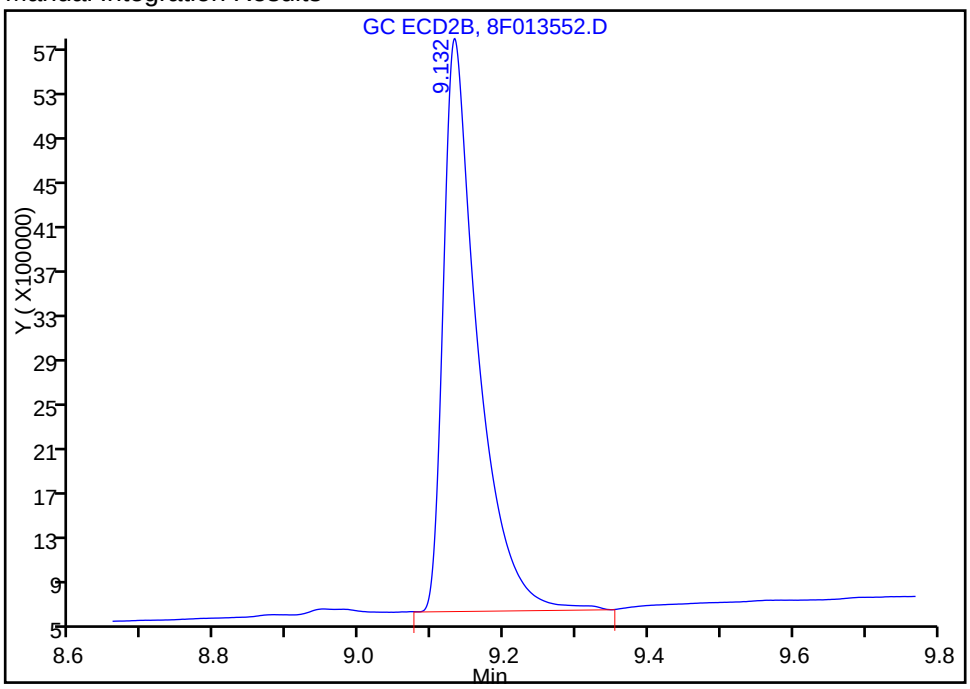
Processing Integration Results

RT: 9.13
Area: 18078091
Amount: 117.3019
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 17011864
Amount: 56.639228
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:38:43

Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

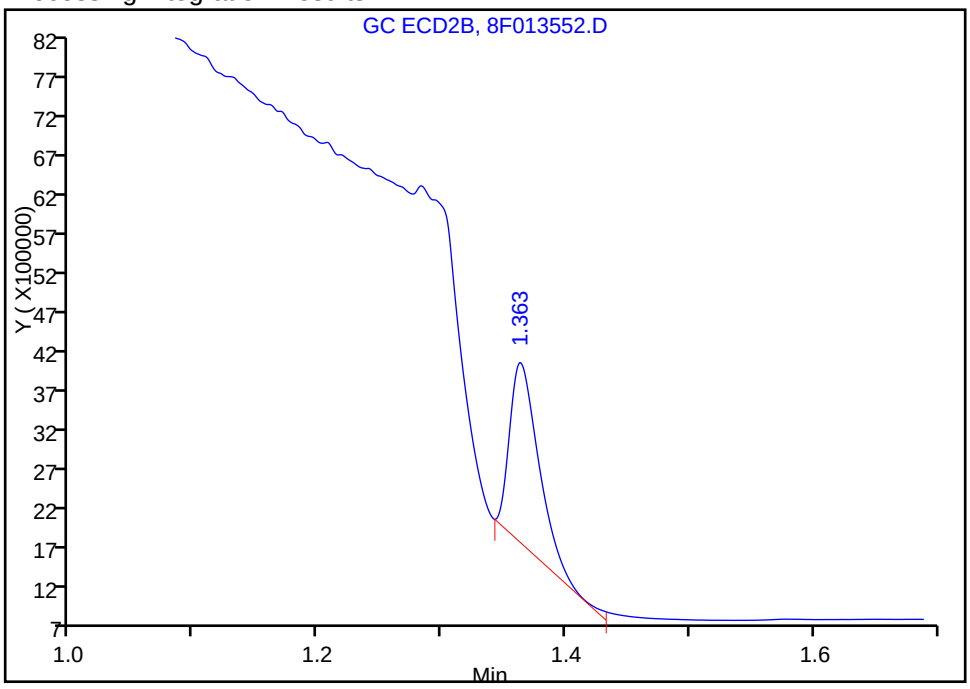
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013552.D				
Injection Date:	23-Aug-2016 17:10:10	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-E-7-B	Lab Sample ID:	460-118926-7		
Client ID:	SB-X08192016				
Operator ID:		ALS Bottle#:	37	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

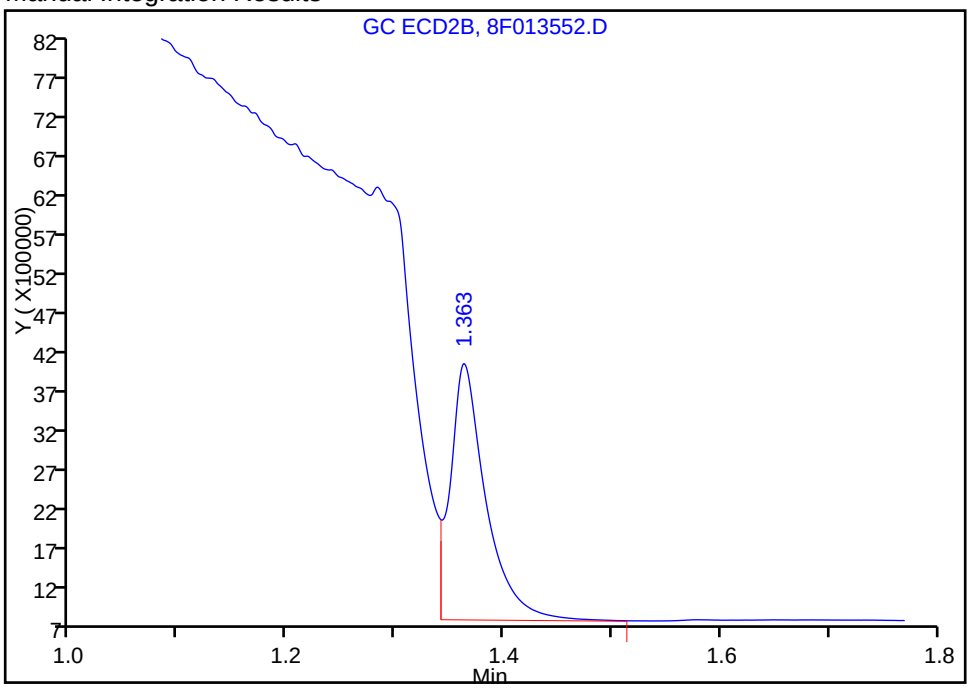
Processing Integration Results

RT: 1.36
Area: 3816802
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 7438523
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:38:43

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Client Sample ID: FB08192016 Lab Sample ID: 460-118926-8

Matrix: Water Lab File ID: 8F013531.D

Analysis Method: 8082A Date Collected: 08/19/2016 10:15

Extraction Method: 3510C Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) Date Analyzed: 08/23/2016 11:09

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

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

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

Analysis Batch No.: 386237 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013531.D
Lims ID: 460-118926-H-8-A
Client ID: FB08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 11:09:54 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-016
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 12:56:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.622	0.001	4479342	20.0	
2	1.360	1.357	0.003	6858722	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.212	10.210	0.002	21518895	103.6	
2	9.129	9.127	0.002	23477782	84.8	M
					RPD = 19.98	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

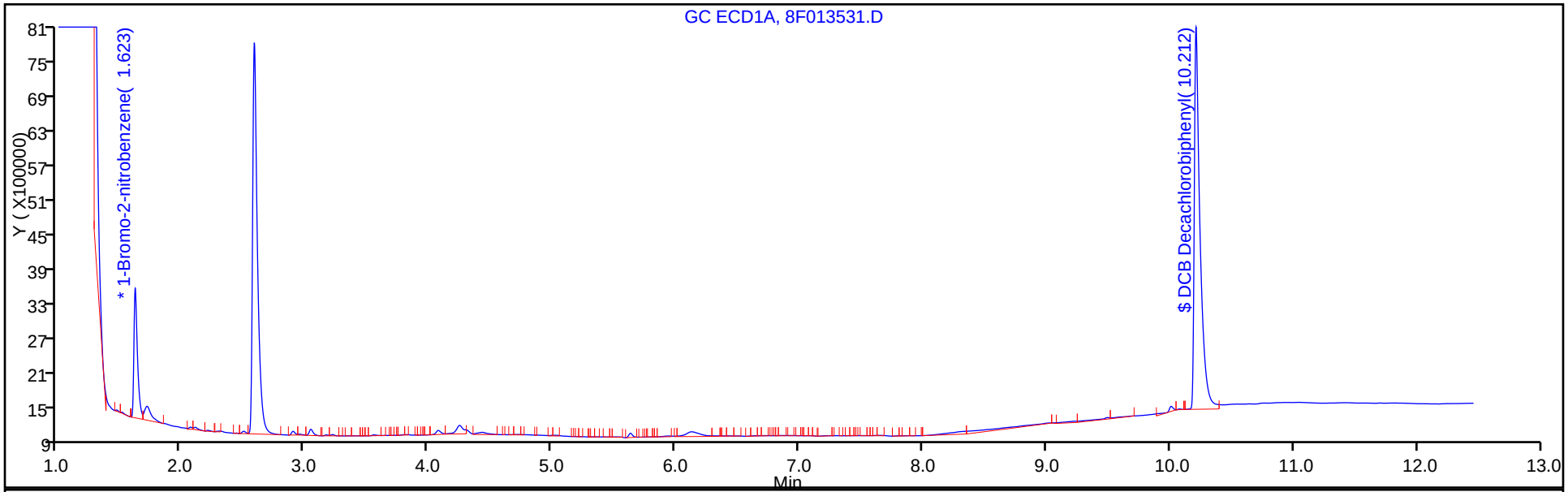
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

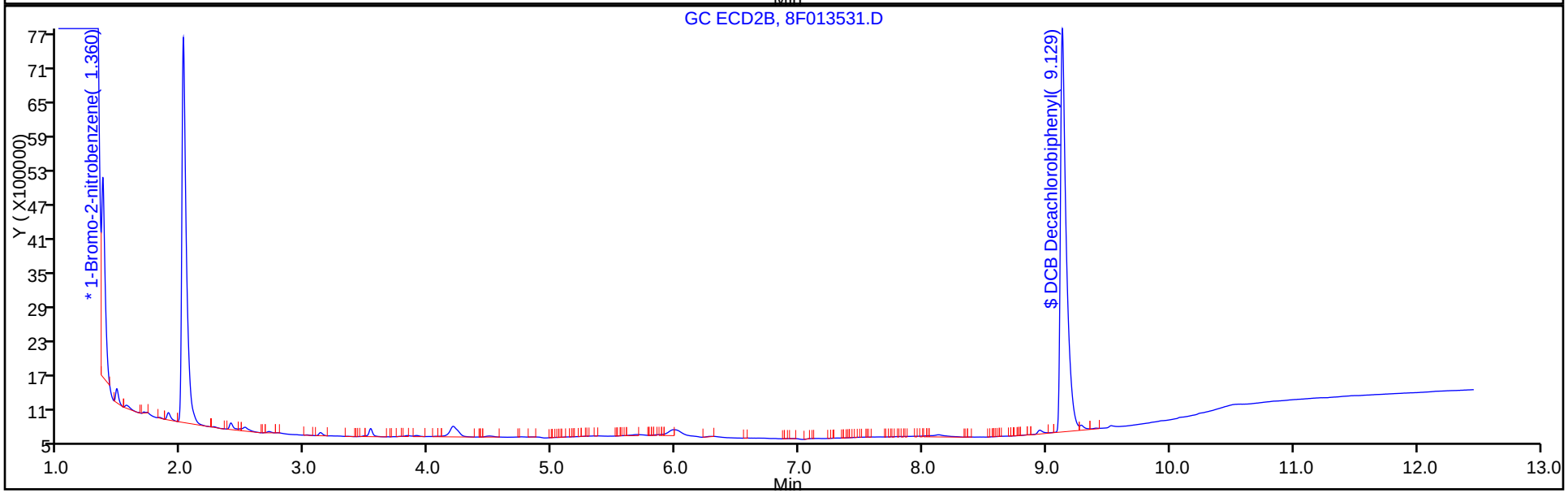
Report Date: 23-Aug-2016 14:53:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013531.D

Injection Date:	23-Aug-2016 11:09:54	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-H-8-A	Lab Sample ID:	460-118926-8	Worklist Smp#:	16
Client ID:	FB08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: FB08192016 | Lab Sample ID: 460-118926-8

Matrix: Water | Lab File ID: 8F013531.D

Analysis Method: 8082A | Date Collected: 08/19/2016 10:15

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 11:09

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.098
11104-28-2	Aroclor 1221	0.40	U	0.40	0.098
11141-16-5	Aroclor 1232	0.40	U	0.40	0.098
53469-21-9	Aroclor 1242	0.40	U	0.40	0.098
12672-29-6	Aroclor 1248	0.40	U	0.40	0.098
11097-69-1	Aroclor 1254	0.40	U	0.40	0.084
11096-82-5	Aroclor 1260	0.40	U	0.40	0.084
11100-14-4	Aroclor 1268	0.40	U	0.40	0.084
37324-23-5	Aroclor-1262	0.40	U	0.40	0.084
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.098

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013531.D
Lims ID: 460-118926-H-8-A
Client ID: FB08192016
Sample Type: Client
Inject. Date: 23-Aug-2016 11:09:54 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-016
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 12:56:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.623	1.622	0.001	4479342	20.0	
2	1.360	1.357	0.003	6858722	20.0	M
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						M
1	10.212	10.210	0.002	21518895	103.6	
2	9.129	9.127	0.002	23477782	84.8	M
					RPD = 19.98	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

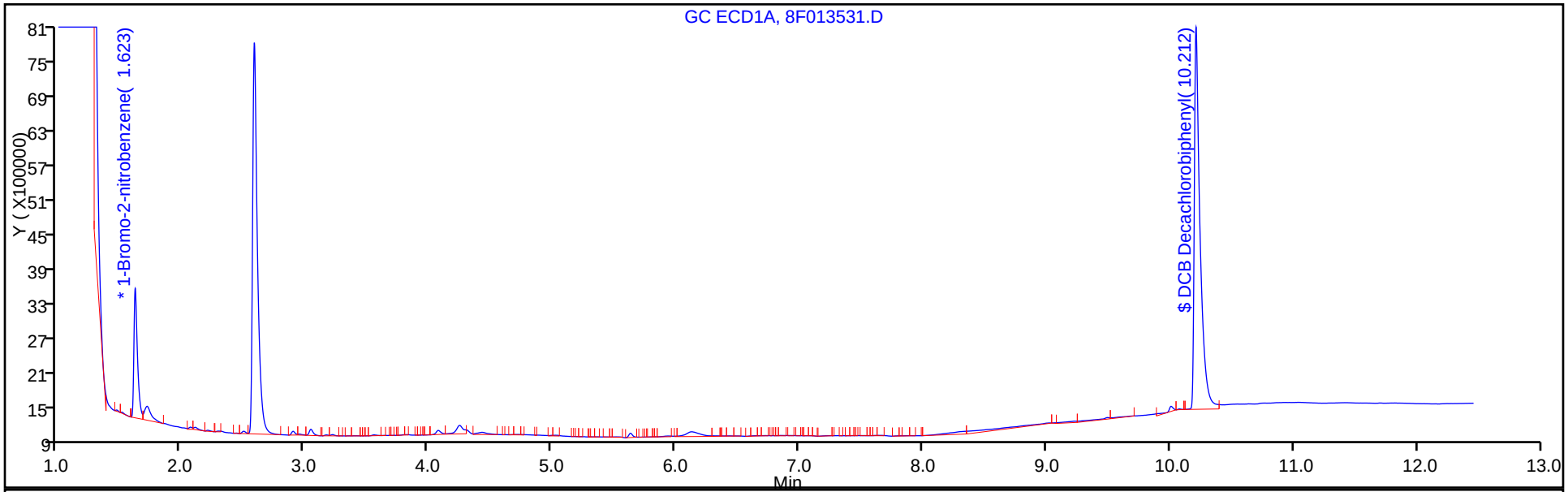
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

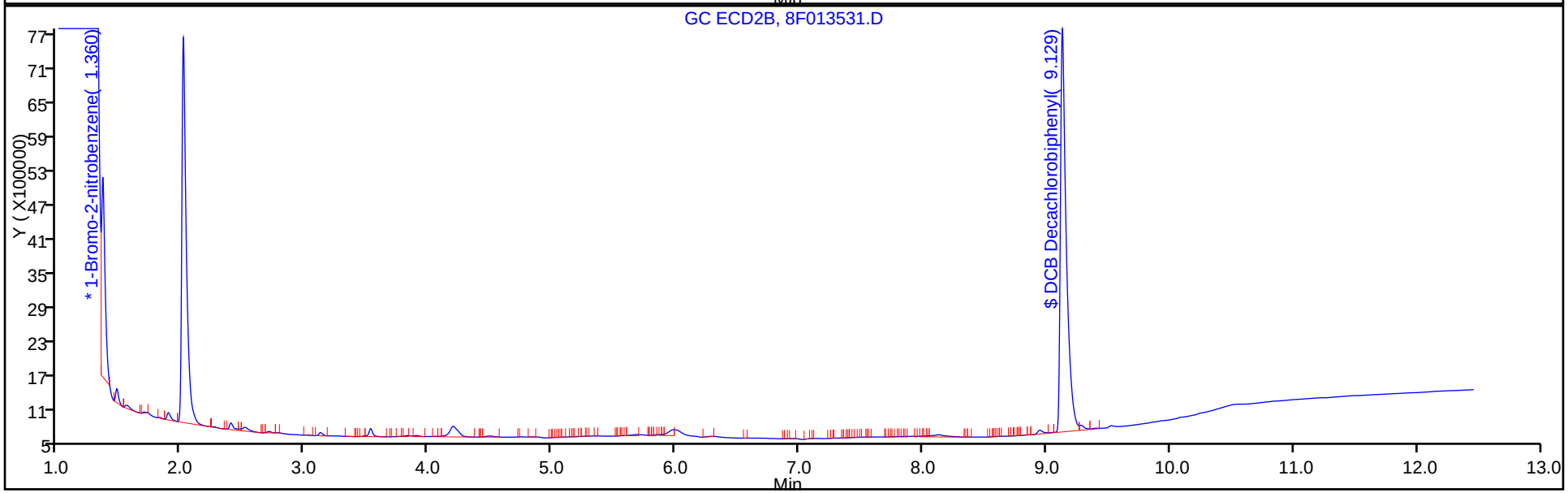
Report Date: 23-Aug-2016 14:53:43 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013531.D

Injection Date:	23-Aug-2016 11:09:54	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118926-H-8-A	Lab Sample ID:	460-118926-8	Worklist Smp#:	16
Client ID:	FB08192016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

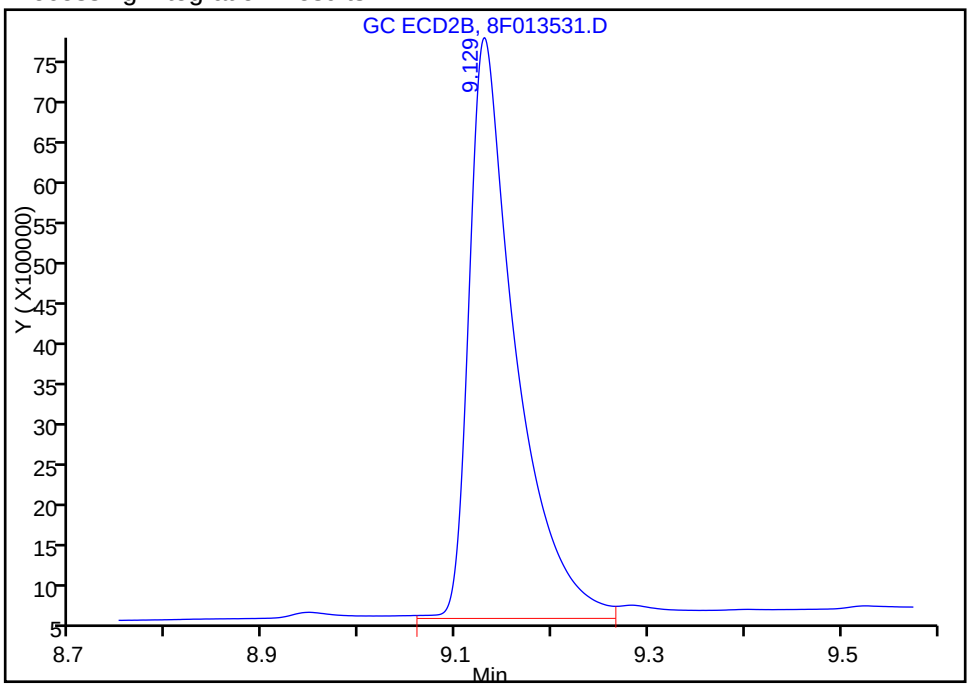
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013531.D				
Injection Date:	23-Aug-2016 11:09:54	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-H-8-A	Lab Sample ID:	460-118926-8		
Client ID:	FB08192016				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

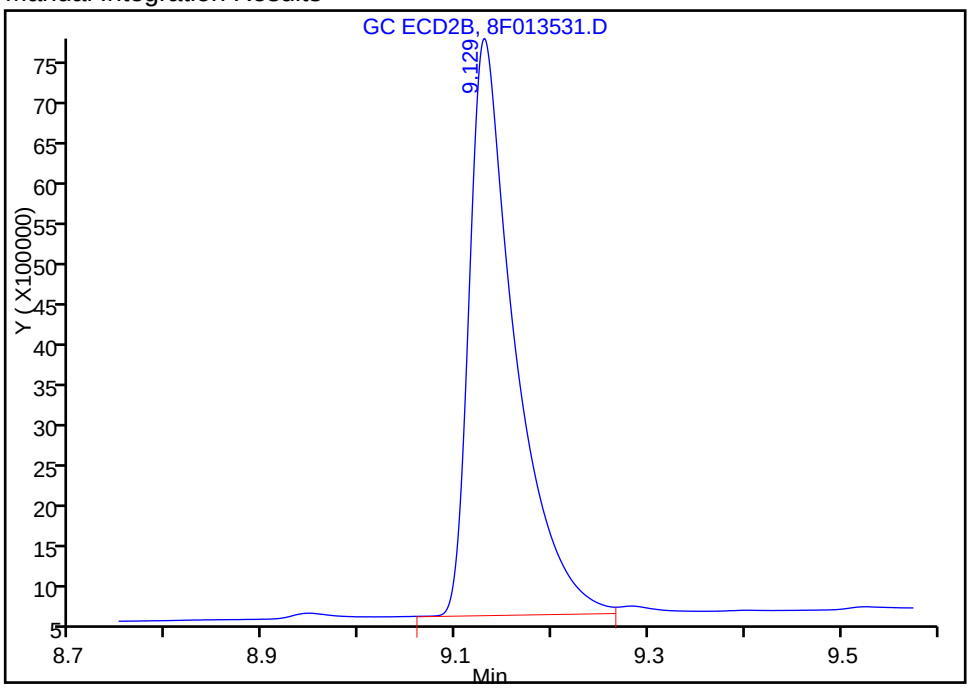
Processing Integration Results

RT: 9.13
Area: 24106803
Amount: 262.2802
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 23477782
Amount: 84.774648
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 12:56:54

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

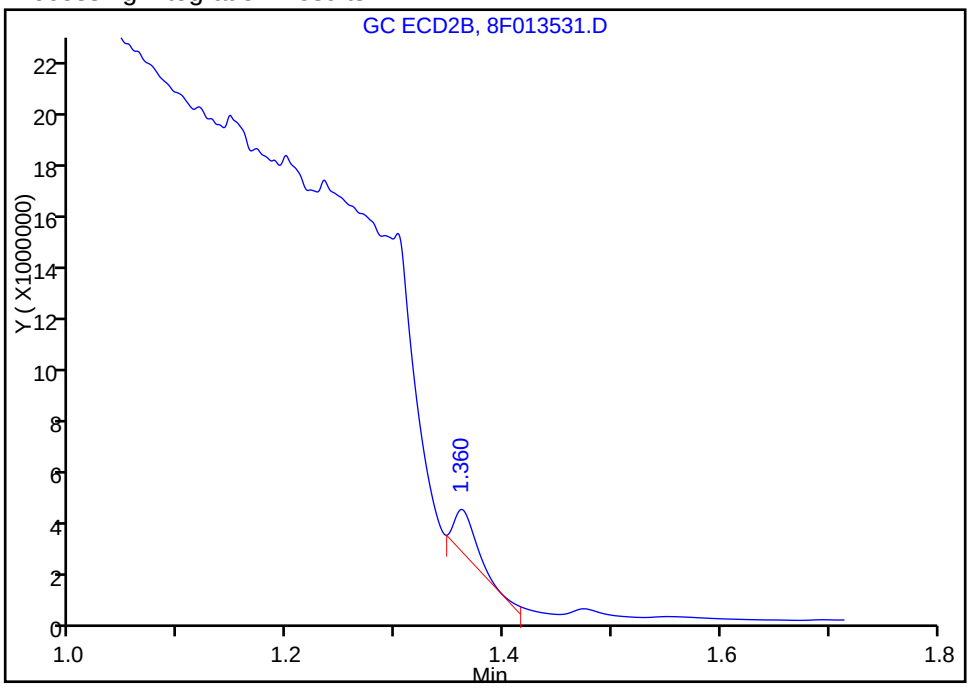
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013531.D				
Injection Date:	23-Aug-2016 11:09:54	Instrument ID:	CPESTGC8		
Lims ID:	460-118926-H-8-A	Lab Sample ID:	460-118926-8		
Client ID:	FB08192016				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

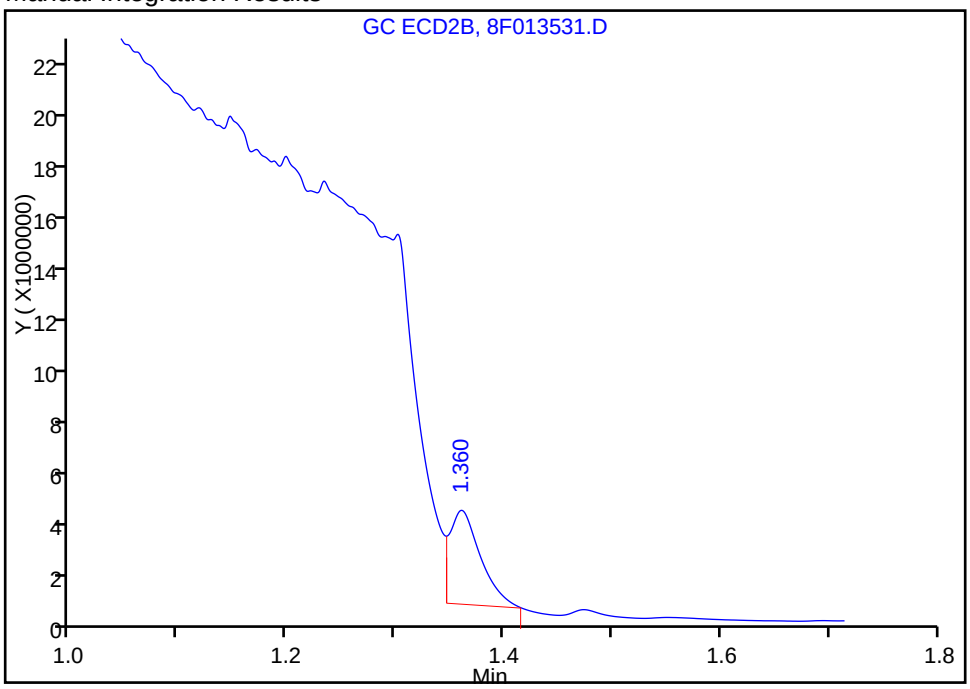
Processing Integration Results

RT: 1.36
Area: 2276283
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 6858722
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 12:56:54

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 16:49 Calibration End Date: 06/17/2016 17:47 Calibration ID: 56313

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/2	T1329657.D
Level 2	IC 460-374290/3	T1329658.D
Level 3	IC 460-374290/4	T1329659.D
Level 4	IC 460-374290/5	T1329660.D
Level 5	IC 460-374290/6	T1329661.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0183	0.0163	0.0156	0.0163	0.0156	Ave		0.0164				6.6		20.0			0.9900
PCB-1016 Peak 2	0.0342	0.0327	0.0316	0.0322	0.0312	Ave		0.0323				3.6		20.0			0.9900
PCB-1016 Peak 3	0.0174	0.0138	0.0125	0.0135	0.0133	Ave		0.0141				13.6		20.0			0.9900
PCB-1016 Peak 4	0.0705	0.0658	0.0640	0.0658	0.0640	Ave		0.0660				4.0		20.0			0.9900
PCB-1016 Peak 5	0.0308	0.0275	0.0267	0.0275	0.0267	Ave		0.0278				6.2		20.0			0.9900
PCB-1016 Peak 6	0.0142	0.0146	0.0141	0.0146	0.0141	Ave		0.0143				1.8		20.0			0.9900
PCB-1016 Peak 7	0.0241	0.0221	0.0216	0.0220	0.0213	Ave		0.0222				5.0		20.0			0.9900
PCB-1016 Peak 8	0.0248	0.0246	0.0243	0.0249	0.0242	Ave		0.0246				1.3		20.0			0.9900
PCB-1260 Peak 1	0.0207	0.0214	0.0214	0.0214	0.0209	Ave		0.0211				1.6		20.0			0.9900
PCB-1260 Peak 2	0.0456	0.0446	0.0446	0.0444	0.0432	Ave		0.0445				1.9		20.0			0.9900
PCB-1260 Peak 3	0.0533	0.0528	0.0521	0.0516	0.0500	Ave		0.0520				2.4		20.0			0.9900
PCB-1260 Peak 4	0.0412	0.0433	0.0422	0.0418	0.0405	Ave		0.0418				2.5		20.0			0.9900
PCB-1260 Peak 5	0.0469	0.0468	0.0464	0.0458	0.0445	Ave		0.0461				2.1		20.0			0.9900
PCB-1260 Peak 6	0.0973	0.0989	0.0975	0.0963	0.0939	Ave		0.0968				1.9		20.0			0.9900
PCB-1260 Peak 7	0.0756	0.0740	0.0717	0.0704	0.0706	Ave		0.0725				3.1		20.0			0.9900
PCB-1260 Peak 8	0.0279	0.0271	0.0265	0.0265	0.0261	Ave		0.0268				2.6		20.0			0.9900
Tetrachloro-m-xylene	0.8662	0.9111	0.8689	0.8775	0.8840	Ave		0.8815				2.0		20.0			0.9900
DCB Decachlorobiphenyl	0.7260	0.7319	0.7194	0.6940	0.7053	Ave		0.7153				2.2		20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 16:49 Calibration End Date: 06/17/2016 17:47 Calibration ID: 56313

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/2	T1329657.D
Level 2	IC 460-374290/3	T1329658.D
Level 3	IC 460-374290/4	T1329659.D
Level 4	IC 460-374290/5	T1329660.D
Level 5	IC 460-374290/6	T1329661.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	2383471	19947747	37214464	58856970	94368056	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	4450942	39847649	75127788	116217693	188148070	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	2265887	16821854	29679246	48670211	80291841	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	9187173	80280216	152282244	237555906	386108517	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	4013840	33578572	63515995	99201310	160901993	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	1851014	17797798	33548865	52581109	84995899	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	3145812	26928358	51363153	79442295	128519270	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	3235444	30040601	57737690	89996046	146139896	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	2696008	26169828	50827089	77203552	125996858	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	5939775	54445319	106245724	160164329	260766285	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	6940606	64474128	124113120	186376539	302059609	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	5368130	52790602	100581197	150841048	244502543	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	6106642	57153947	110461120	165302329	268936894	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	12678163	120701616	232150751	347385866	566902787	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	9853674	90244352	170793787	254181707	426186386	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	3636685	33015803	63183426	95617467	157407607	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	28223476	111178386	206845811	316646455	426956448	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	23654358	89311814	171272113	250450560	340655792	12.5	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329657.D
Lims ID: IC PCB 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Jun-2016 16:49:49 ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-002
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:10:51 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.533	1.534	-0.001	52132508	20.0	20.0	
2	1.367	1.368	-0.001	44247020	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.425	2.426	-0.001	28223476	12.5	12.3	
2	1.998	1.999	-0.001	23622105	12.5	11.9	
						RPD = 3.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.997	2.998	-0.001	2383471	50.0	55.6	
1	3.466	3.465	0.001	4450942	50.0	52.8	
1	3.743	3.738	0.005	2265887	50.0	61.7	M
1	3.985	3.985	0.000	9187173	50.0	53.4	
1	4.142	4.142	0.000	4013840	50.0	55.3	M
1	4.382	4.384	-0.002	1851014	50.0	49.6	
1	4.682	4.684	-0.002	3145812	50.0	54.3	
1	4.822	4.822	0.000	3235444	50.0	50.5	M
		Average of Peak Amounts =				54.2	
2	2.360	2.360	0.000	1988791	50.0	54.2	
2	2.717	2.718	-0.001	3657353	50.0	51.0	
2	2.922	2.921	0.001	2367984	50.0	49.5	
2	3.193	3.194	-0.001	7940401	50.0	49.8	
2	3.332	3.333	-0.001	3200676	50.0	48.6	
2	3.397	3.397	0.000	2246628	50.0	55.3	
2	3.769	3.770	-0.001	3519821	50.0	52.8	
2	3.859	3.860	-0.001	1898528	50.0	51.0	
		Average of Peak Amounts =				51.5	
						RPD = 5.02	
8 PCB-1260							M
1	5.996	5.996	0.000	2696008	50.0	48.9	
1	6.209	6.211	-0.002	5939775	50.0	51.2	
1	6.520	6.521	-0.001	6940606	50.0	51.2	M
1	7.225	7.228	-0.003	5368130	50.0	49.3	M
1	7.734	7.735	-0.001	6106642	50.0	50.8	
1	8.230	8.230	0.000	12678163	50.0	50.3	
1	8.962	8.960	0.002	9853674	50.0	52.2	
1	9.979	9.979	0.000	3636685	50.0	52.0	
		Average of Peak Amounts =				50.7	
2	5.090	5.091	-0.001	4924424	50.0	51.3	M
2	5.707	5.708	-0.001	8504377	50.0	51.3	M
2	5.855	5.855	0.000	5791258	50.0	57.3	M
2	6.161	6.162	-0.001	5479148	50.0	53.4	M
2	6.599	6.600	-0.001	11492180	50.0	50.5	M
2	7.017	7.019	-0.002	6090276	50.0	52.0	M
2	7.159	7.160	-0.001	3541594	50.0	53.0	M
2	8.120	8.119	0.001	3234769	50.0	49.2	
		Average of Peak Amounts =				52.2	
						RPD = 2.92	
$ 11 DCB Decachlorobiphenyl							M
1	10.541	10.542	-0.001	23654358	12.5	12.7	M
2	9.067	9.070	-0.003	28261365	12.5	13.3	
						RPD = 4.50	
S 12 Polychlorinated biphenyls, Total							
1						104.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

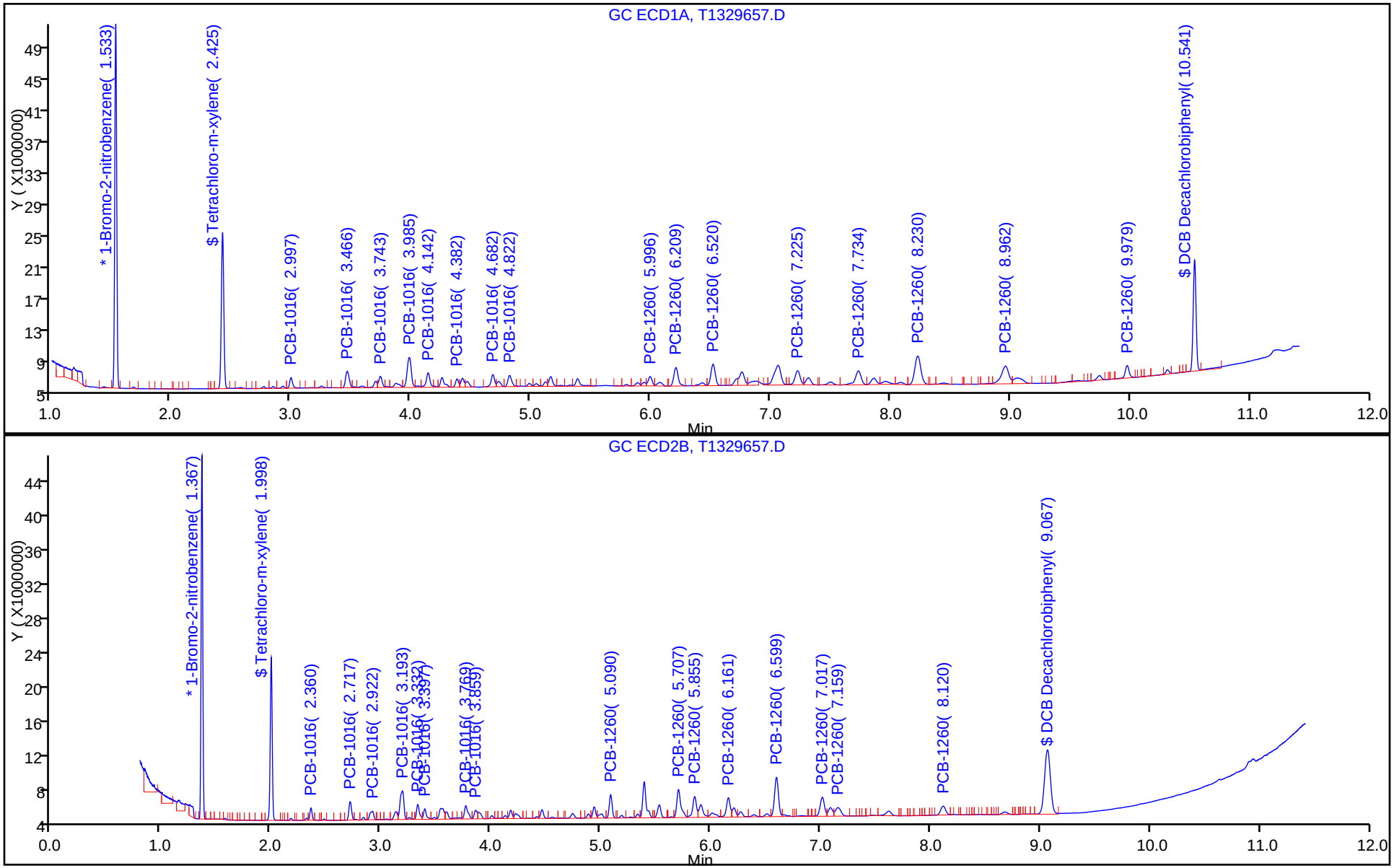
SG1660(LVI)L1_00009	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:10:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329657.D

Injection Date:	17-Jun-2016 16:49:49	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:10:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329657.D

Injection Date: 17-Jun-2016 16:49:49 Instrument ID: CPESTGC11

Lims ID: IC PCB 1

Client ID:

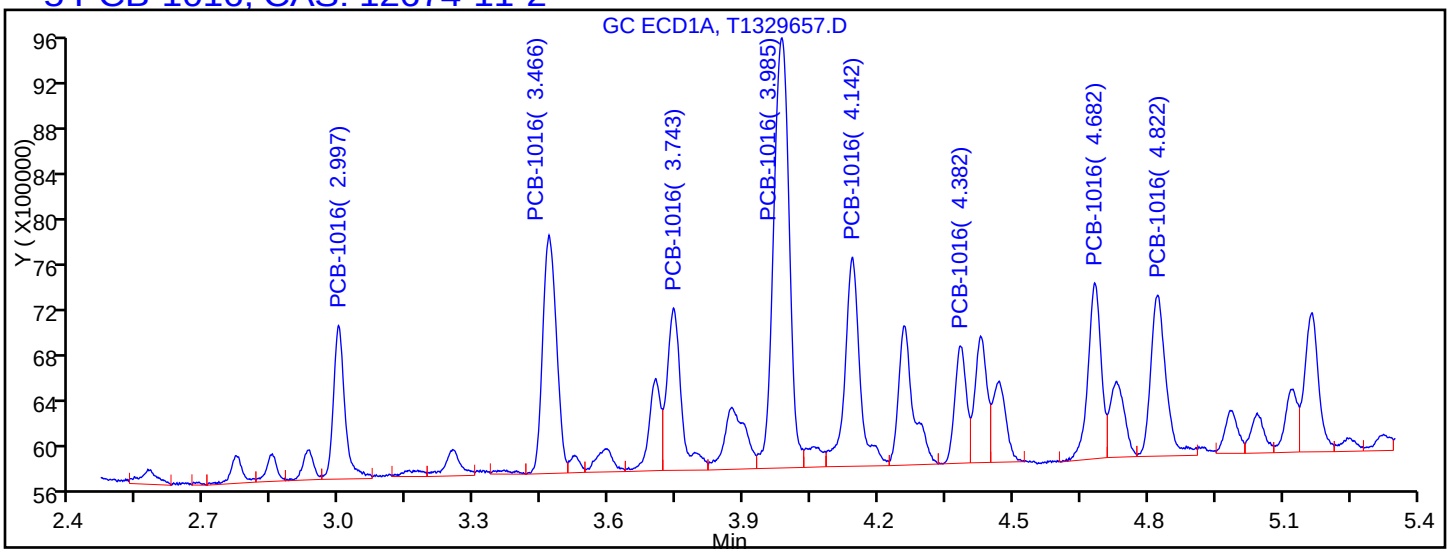
Operator ID: ALS Bottle#: 3 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

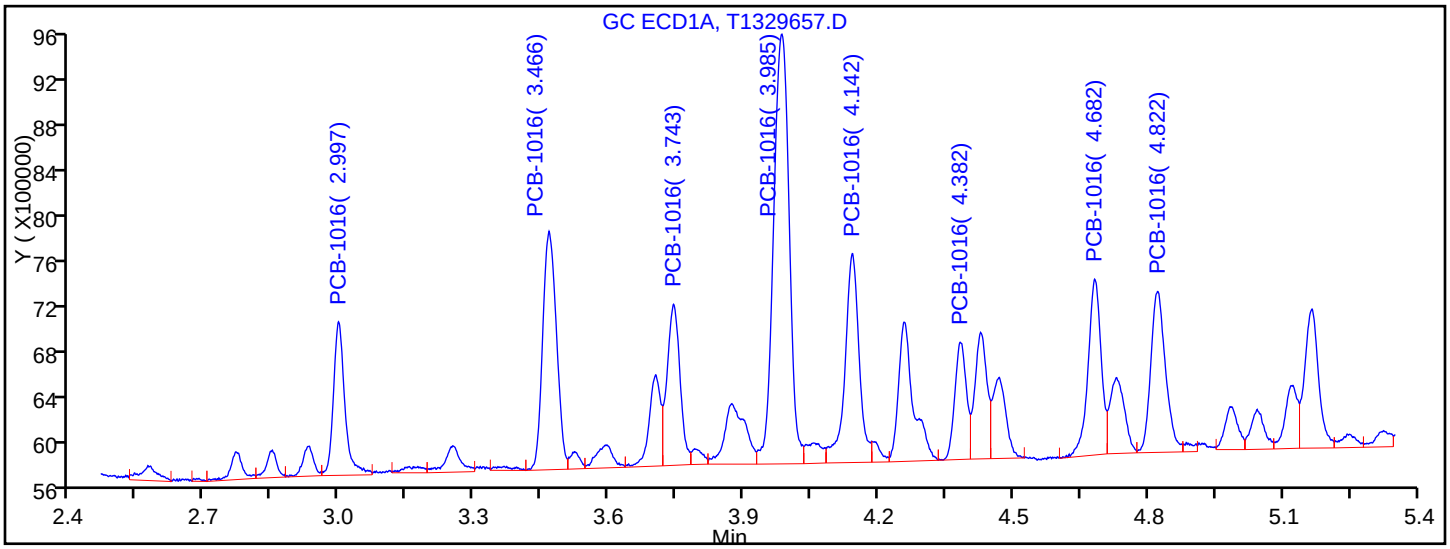
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.997	Response = 2383471	
RT = 3.466	Response = 4450942	
RT = 3.743	Response = 3135417	M
RT = 3.985	Response = 9187173	
RT = 4.142	Response = 4256689	M
RT = 4.382	Response = 1851014	
RT = 4.682	Response = 3145812	
RT = 4.822	Response = 3357790	M



Manual Integration Results

RT = 2.997	Response = 2383471	
RT = 3.466	Response = 4450942	
RT = 3.743	Response = 2265887	M
RT = 3.985	Response = 9187173	
RT = 4.142	Response = 4013840	M
RT = 4.382	Response = 1851014	

Report Date: 19-Jun-2016 09:10:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329657.D

Injection Date: 17-Jun-2016 16:49:49 Instrument ID: CPESTGC11

Lims ID: IC PCB 1

Client ID:

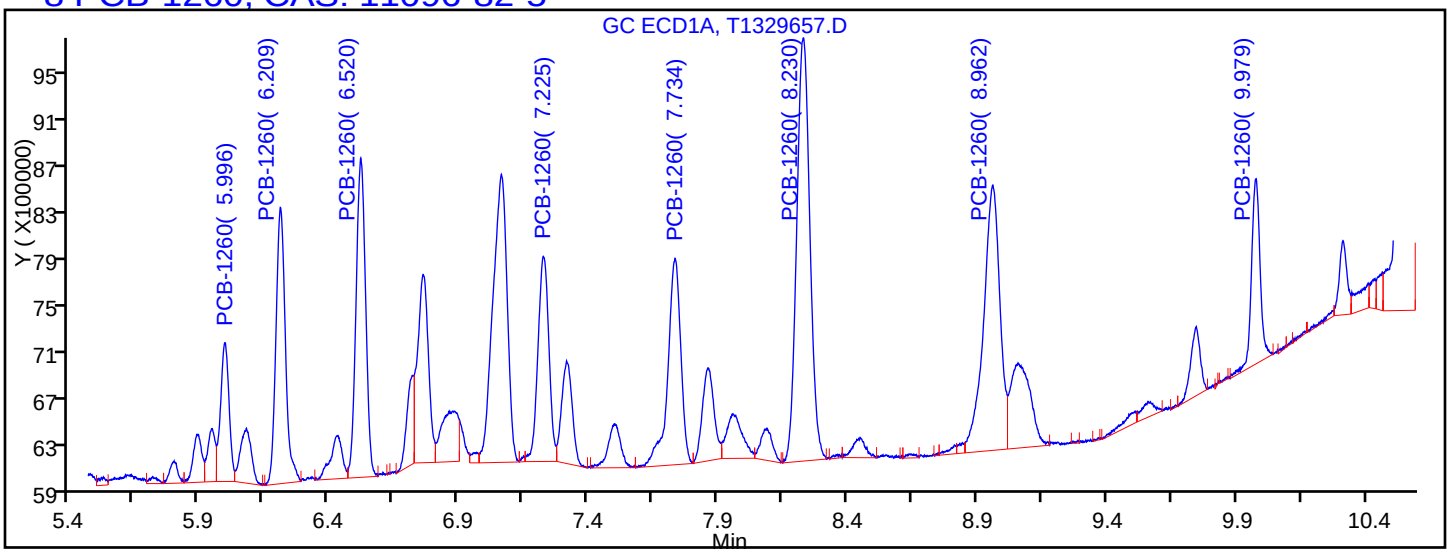
Operator ID: ALS Bottle#: 3 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

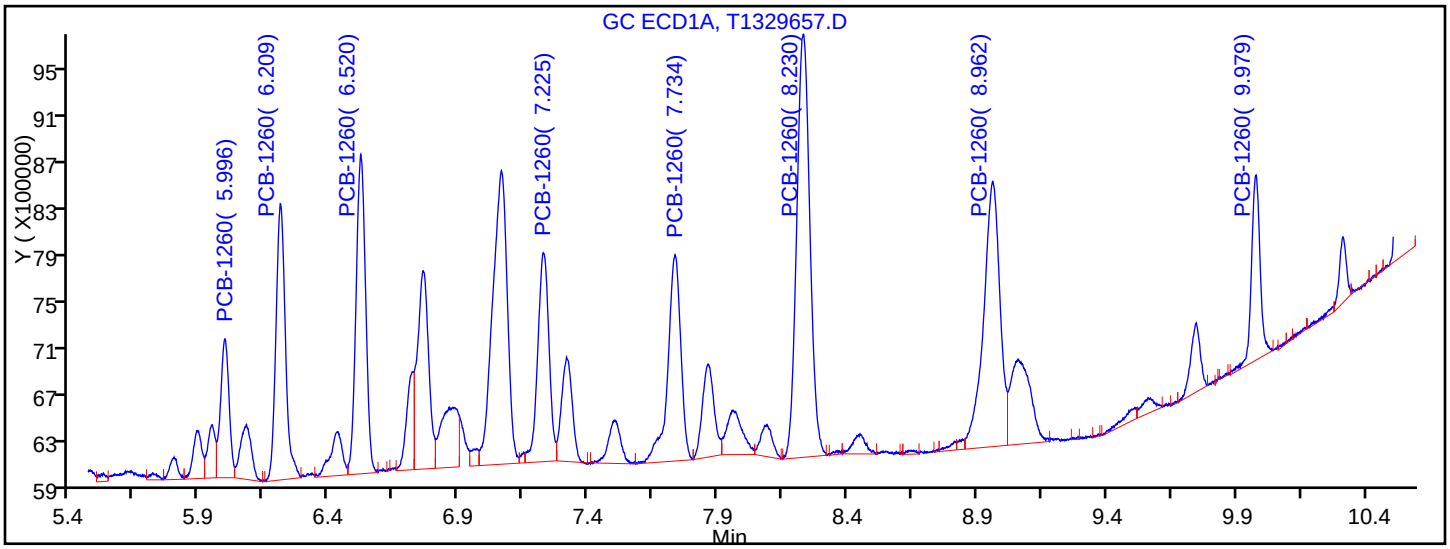
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.996	Response = 2696008	
RT = 6.209	Response = 5939775	
RT = 6.520	Response = 6930918	M
RT = 7.225	Response = 5119229	M
RT = 7.734	Response = 6106642	
RT = 8.230	Response = 12678163	
RT = 8.962	Response = 9853674	
RT = 9.979	Response = 3636685	



Manual Integration Results

RT = 5.996	Response = 2696008	
RT = 6.209	Response = 5939775	
RT = 6.520	Response = 6940606	M
RT = 7.225	Response = 5368130	M
RT = 7.734	Response = 6106642	
RT = 8.230	Response = 12678163	

Manual Integration/User Assign Peak Report

TestAmerica Edison

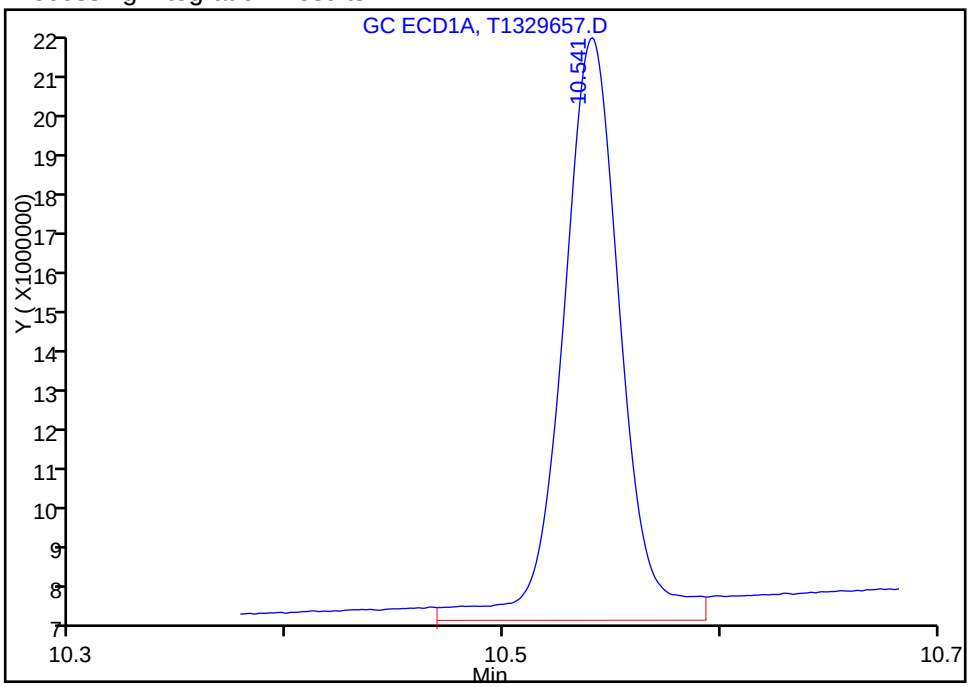
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329657.D				
Injection Date:	17-Jun-2016 16:49:49	Instrument ID:	CPESTGC11		
Lims ID:	IC PCB 1				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

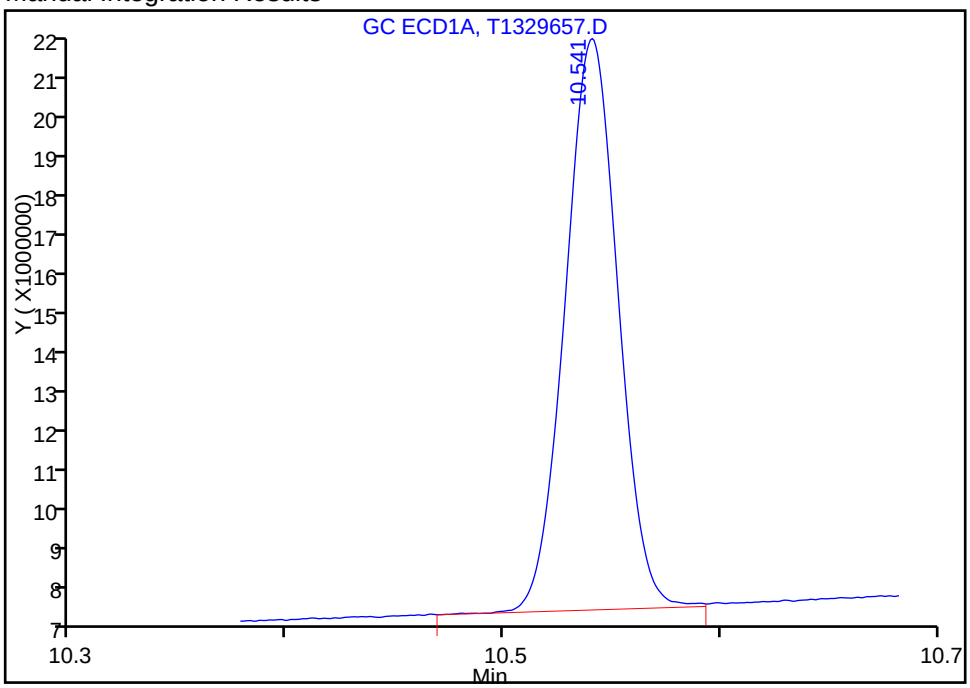
Processing Integration Results

RT: 10.54
Area: 26714084
Amount: 13.907908
Amount Units: ug/l



Manual Integration Results

RT: 10.54
Area: 23654358
Amount: 12.686072
Amount Units: ug/l



Reviewer: patelji, 19-Jun-2016 07:48:55

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329658.D
Lims ID: IC PCB 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Jun-2016 17:04:19 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-003
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:00 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	48810751	20.0	20.0	
2	1.367	1.368	-0.001	41476835	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.426	2.426	0.000	111178386	50.0	51.7	
2	1.998	1.999	-0.001	98412532	50.0	52.9	
						RPD = 2.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.997	2.998	-0.001	19947747	500.0	497.1	
1	3.466	3.465	0.001	39847649	500.0	504.8	M
1	3.738	3.738	0.000	16821854	500.0	489.4	M
1	3.985	3.985	0.000	80280216	500.0	498.4	M
1	4.142	4.142	0.000	33578572	500.0	494.4	M
1	4.383	4.384	-0.001	17797798	500.0	509.8	M
1	4.683	4.684	-0.001	26928358	500.0	496.7	M
1	4.821	4.822	-0.001	30040601	500.0	501.0	M
		Average of Peak Amounts =				498.9	
2	2.360	2.360	0.000	17601723	500.0	511.5	
2	2.717	2.718	-0.001	34892704	500.0	519.1	
2	2.921	2.921	0.000	23176089	500.0	516.4	
2	3.194	3.194	0.000	77741733	500.0	520.5	M
2	3.333	3.333	0.000	32344176	500.0	524.3	M
2	3.397	3.397	0.000	19359269	500.0	508.1	M
2	3.771	3.770	0.001	32387214	500.0	517.9	M
2	3.861	3.860	0.001	17647110	500.0	505.6	M
		Average of Peak Amounts =				515.4	
						RPD = 3.25	
8 PCB-1260							M
1	5.996	5.996	0.000	26169828	500.0	507.0	
1	6.211	6.211	0.000	54445319	500.0	501.6	
1	6.521	6.521	0.000	64474128	500.0	508.2	
1	7.226	7.228	-0.002	52790602	500.0	517.5	
1	7.735	7.735	0.000	57153947	500.0	508.1	
1	8.231	8.230	0.001	120701616	500.0	511.1	
1	8.962	8.960	0.002	90244352	500.0	510.3	
1	9.976	9.979	-0.003	33015803	500.0	504.5	
		Average of Peak Amounts =				508.5	
2	5.090	5.091	-0.001	47388823	500.0	526.6	M
2	5.707	5.708	-0.001	81964387	500.0	527.2	M
2	5.855	5.855	0.000	48990909	500.0	516.9	M
2	6.162	6.162	0.000	50430467	500.0	524.0	M
2	6.600	6.600	0.000	113178484	500.0	530.5	M
2	7.017	7.019	-0.002	57795127	500.0	526.3	
2	7.161	7.160	0.001	32722825	500.0	522.7	
2	8.119	8.119	0.000	33169855	500.0	538.3	
		Average of Peak Amounts =				526.6	
						RPD = 3.48	
$ 11 DCB Decachlorobiphenyl							M
1	10.535	10.542	-0.007	89311814	50.0	51.2	M
2	9.070	9.070	0.000	107515159	50.0	53.9	
						RPD = 5.14	
S 12 Polychlorinated biphenyls, Total							
1						1007.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

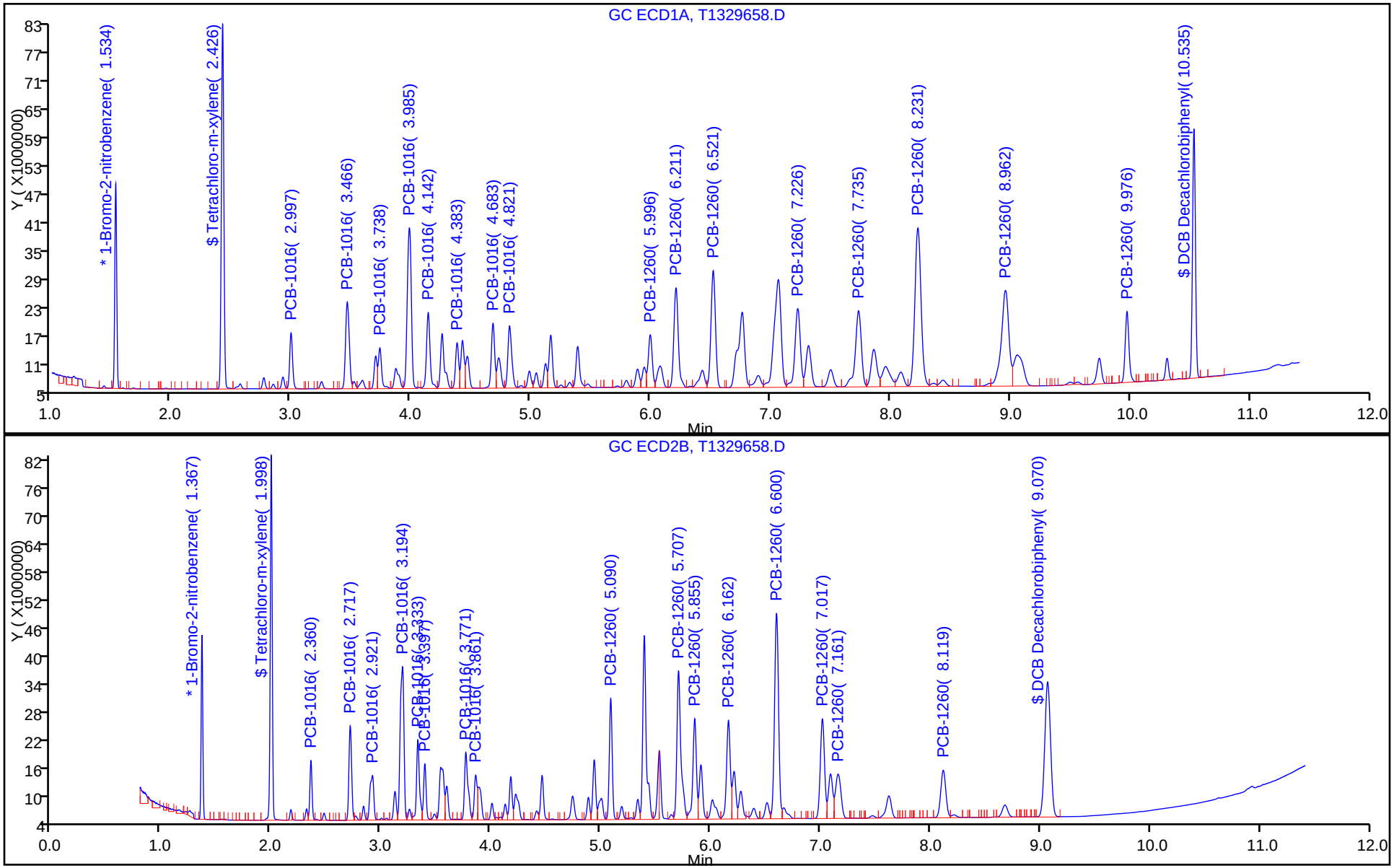
SG1660L2_00022	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329658.D

Injection Date:	17-Jun-2016 17:04:19	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:11:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329658.D

Injection Date: 17-Jun-2016 17:04:19 Instrument ID: CPESTGC11

Lims ID: IC PCB 2

Client ID:

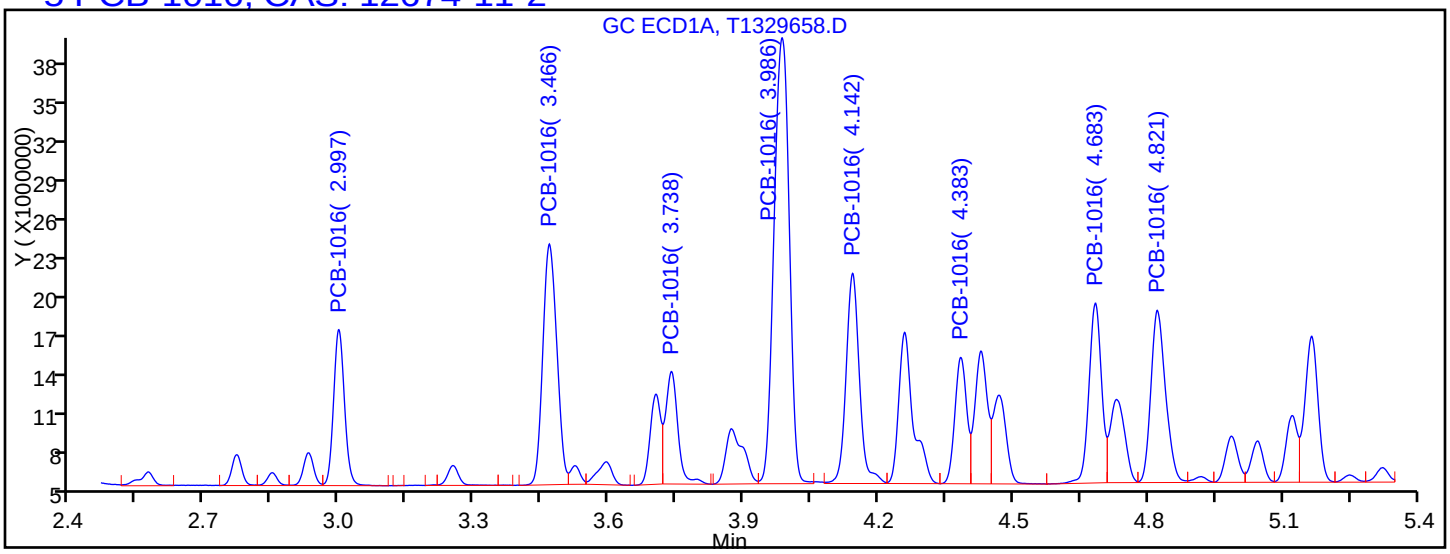
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

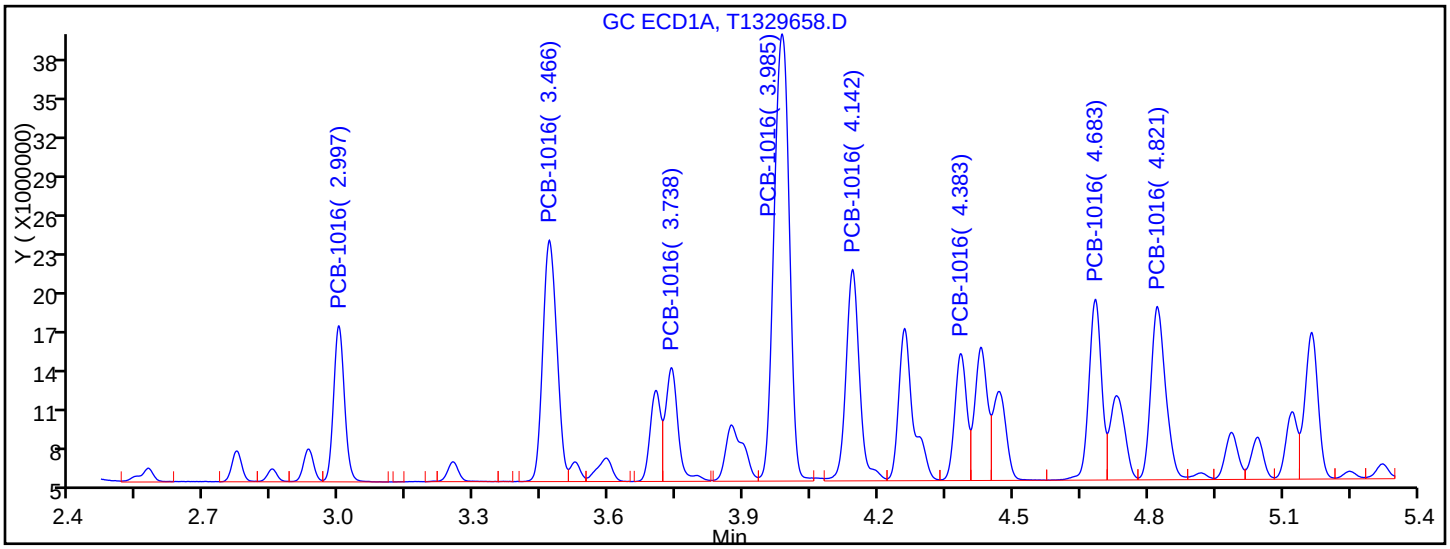
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.997	Response = 19947747	
RT = 3.466	Response = 39613851	M
RT = 3.738	Response = 16326440	M
RT = 3.986	Response = 79660122	M
RT = 4.142	Response = 32879406	M
RT = 4.383	Response = 17616539	M
RT = 4.683	Response = 26604147	M
RT = 4.821	Response = 29546513	M



Manual Integration Results

RT = 2.997	Response = 19947747	
RT = 3.466	Response = 39847649	M
RT = 3.738	Response = 16821854	M
RT = 3.985	Response = 80280216	M
RT = 4.142	Response = 33578572	M
RT = 4.383	Response = 17797798	M

Manual Integration/User Assign Peak Report

TestAmerica Edison

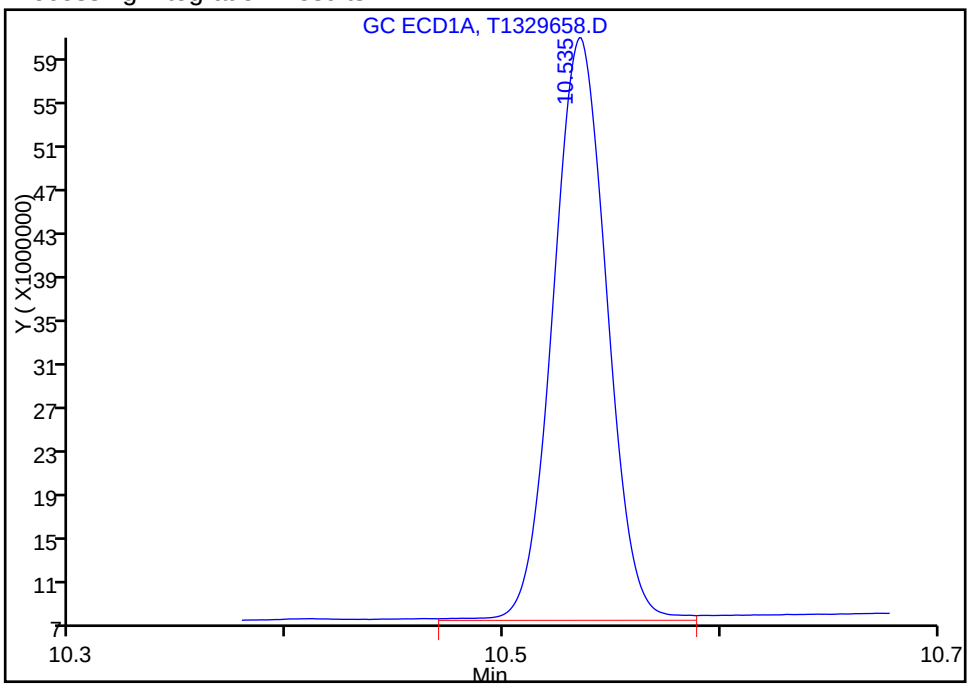
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329658.D				
Injection Date:	17-Jun-2016 17:04:19	Instrument ID:	CPESTGC11		
Lims ID:	IC PCB 2				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

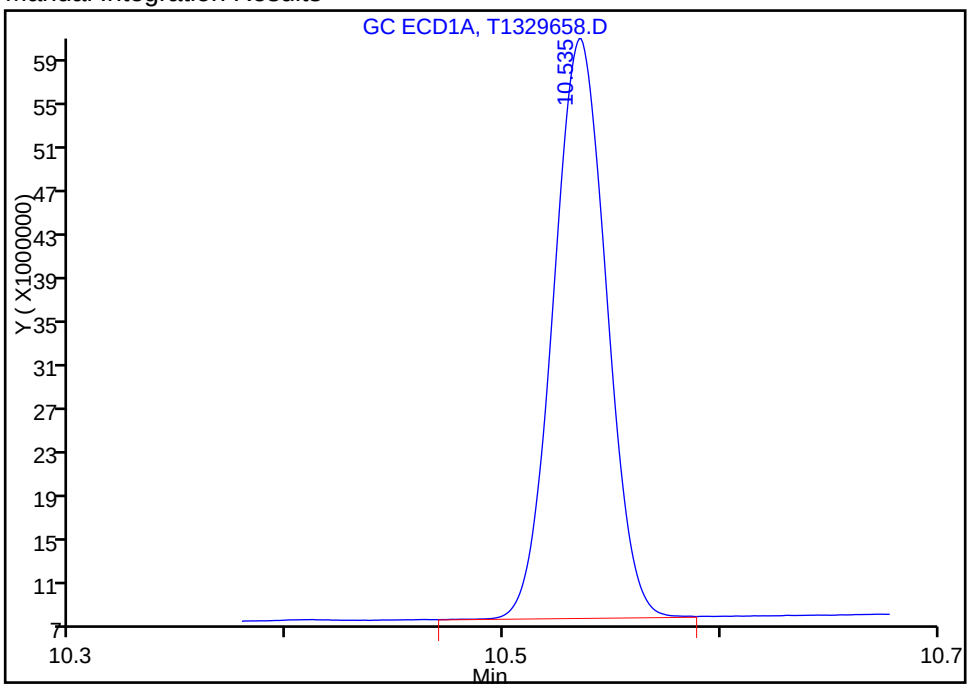
Processing Integration Results

RT: 10.53
Area: 91005388
Amount: 51.927124
Amount Units: ug/l



Manual Integration Results

RT: 10.53
Area: 89311814
Amount: 51.158528
Amount Units: ug/l



Reviewer: patelji, 19-Jun-2016 07:49:40

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329659.D
Lims ID: IC PCB 3
Client ID:
Sample Type: ICRT Calib Level: 3
Inject. Date: 17-Jun-2016 17:18:51 ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-004
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:10 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:14:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	47612772	20.0	20.0	
2	1.367	1.367	0.000	41392687	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.426	2.426	0.000	206845811	100.0	98.6	
2	1.999	1.999	0.000	191717609	100.0	103.2	
						RPD = 4.57	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.998	2.998	0.000	37214464	1000.0	950.8	
1	3.465	3.465	0.000	75127788	1000.0	975.6	
1	3.738	3.738	0.000	29679246	1000.0	885.1	
1	3.985	3.985	0.000	152282244	1000.0	969.1	
1	4.142	4.142	0.000	63515995	1000.0	958.8	
1	4.384	4.384	0.000	33548865	1000.0	985.1	
1	4.684	4.684	0.000	51363153	1000.0	971.2	
1	4.822	4.822	0.000	57737690	1000.0	987.2	
		Average of Peak Amounts =				960.4	
2	2.360	2.360	0.000	34355594	1000.0	1000.3	
2	2.718	2.718	0.000	68566680	1000.0	1022.1	
2	2.921	2.921	0.000	45996304	1000.0	1027.0	M
2	3.194	3.194	0.000	152704226	1000.0	1024.5	M
2	3.333	3.333	0.000	63513802	1000.0	1031.6	M
2	3.397	3.397	0.000	37762753	1000.0	993.1	M
2	3.770	3.770	0.000	62884821	1000.0	1007.6	M
2	3.860	3.860	0.000	35788067	1000.0	1027.5	M
		Average of Peak Amounts =				1016.7	
						RPD = 5.70	
8 PCB-1260							M
1	5.996	5.996	0.000	50827089	1000.0	1009.5	
1	6.211	6.211	0.000	106245724	1000.0	1003.4	
1	6.521	6.521	0.000	124113120	1000.0	1003.0	
1	7.228	7.228	0.000	100581197	1000.0	1010.8	
1	7.735	7.735	0.000	110461120	1000.0	1006.7	
1	8.230	8.230	0.000	232150751	1000.0	1007.7	
1	8.960	8.960	0.000	170793787	1000.0	990.0	
1	9.979	9.979	0.000	63183426	1000.0	989.8	
		Average of Peak Amounts =				1002.6	
2	5.091	5.091	0.000	92114022	1000.0	1025.6	M
2	5.708	5.708	0.000	159150615	1000.0	1025.8	M
2	5.855	5.855	0.000	94149722	1000.0	995.4	M
2	6.162	6.162	0.000	97649532	1000.0	1016.7	M
2	6.600	6.600	0.000	218244310	1000.0	1025.1	M
2	7.019	7.019	0.000	111607561	1000.0	1018.4	M
2	7.160	7.160	0.000	63382803	1000.0	1014.5	M
2	8.119	8.119	0.000	62634427	1000.0	1018.6	M
		Average of Peak Amounts =				1017.5	
						RPD = 1.48	
$ 11 DCB Decachlorobiphenyl							
1	10.542	10.542	0.000	171272113	100.0	100.6	
2	9.070	9.070	0.000	200322733	100.0	100.6	
						RPD = 0.02	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

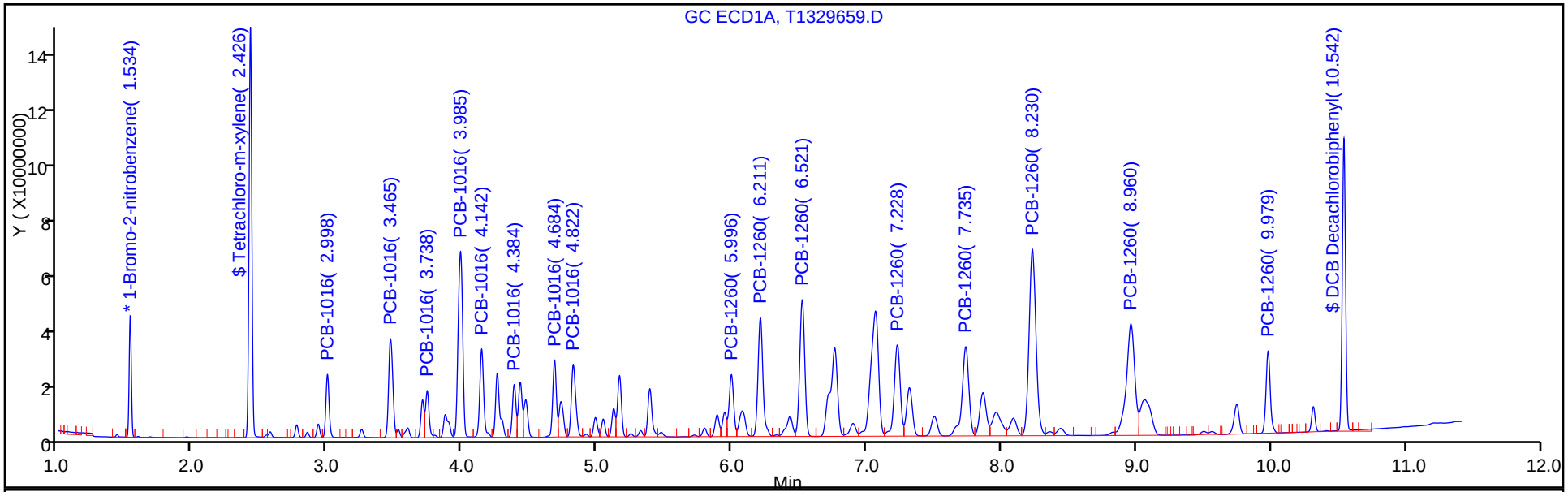
SG1660L3_00028	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

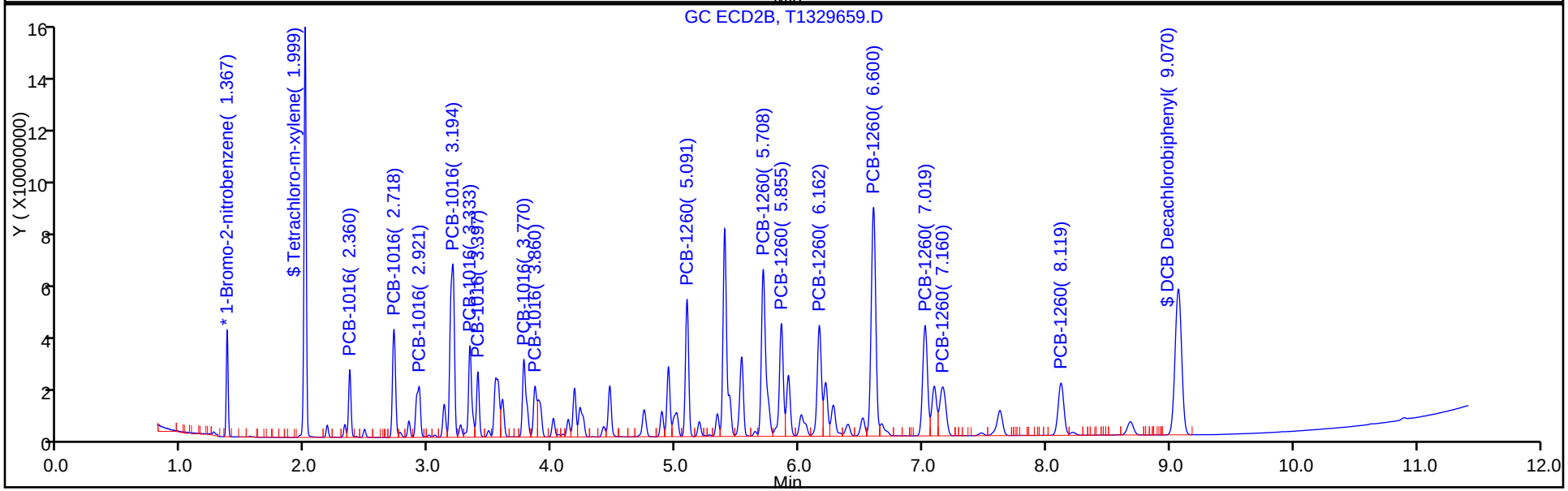
Report Date: 19-Jun-2016 09:11:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329659.D

Injection Date:	17-Jun-2016 17:18:51	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329660.D
Lims ID: IC PCB 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Jun-2016 17:33:23 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-005
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:18 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	48114337	20.0	20.0	
2	1.367	1.367	0.000	44543070	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.426	2.426	0.000	316646455	150.0	149.3	
2	1.999	1.999	0.000	292476987	150.0	146.3	
						RPD = 2.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.997	2.998	-0.001	58856970	1500.0	1488.0	
1	3.466	3.465	0.001	116217693	1500.0	1493.5	
1	3.739	3.738	0.001	48670211	1500.0	1436.4	M
1	3.986	3.985	0.001	237555906	1500.0	1496.0	M
1	4.142	4.142	0.000	99201310	1500.0	1481.9	M
1	4.384	4.384	0.000	52581109	1500.0	1527.8	M
1	4.683	4.684	-0.001	79442295	1500.0	1486.4	M
1	4.821	4.822	-0.001	89996046	1500.0	1522.7	M
		Average of Peak Amounts =				1491.6	
2	2.360	2.360	0.000	53669019	1500.0	1452.2	
2	2.717	2.718	-0.001	105872731	1500.0	1466.6	M
2	2.920	2.921	-0.001	71727205	1500.0	1488.3	M
2	3.194	3.194	0.000	236399127	1500.0	1473.8	M
2	3.332	3.333	-0.001	98100029	1500.0	1480.6	M
2	3.396	3.397	-0.001	58728292	1500.0	1435.2	M
2	3.771	3.770	0.001	97272346	1500.0	1448.3	M
2	3.860	3.860	0.000	55039601	1500.0	1468.5	M
		Average of Peak Amounts =				1464.2	
						RPD = 1.85	
8 PCB-1260							M
1	5.996	5.996	0.000	77203552	1500.0	1517.4	M
1	6.211	6.211	0.000	160164329	1500.0	1496.8	M
1	6.521	6.521	0.000	186376539	1500.0	1490.4	M
1	7.226	7.228	-0.002	150841048	1500.0	1500.0	M
1	7.736	7.735	0.001	165302329	1500.0	1490.9	M
1	8.231	8.230	0.001	347385866	1500.0	1492.1	M
1	8.964	8.960	0.004	254181707	1500.0	1458.0	M
1	9.979	9.979	0.000	95617467	1500.0	1482.3	
		Average of Peak Amounts =				1491.0	
2	5.090	5.091	-0.001	139556499	1500.0	1443.9	M
2	5.707	5.708	-0.001	239956000	1500.0	1437.2	M
2	5.855	5.855	0.000	141095517	1500.0	1386.2	M
2	6.162	6.162	0.000	146837674	1500.0	1420.8	M
2	6.601	6.600	0.001	329230507	1500.0	1437.0	M
2	7.019	7.019	0.000	168116758	1500.0	1425.5	M
2	7.161	7.160	0.001	95473729	1500.0	1420.1	M
2	8.119	8.119	0.000	95699032	1500.0	1446.2	
		Average of Peak Amounts =				1427.1	
						RPD = 4.38	
$ 11 DCB Decachlorobiphenyl							
1	10.542	10.542	0.000	250450560	150.0	145.5	
2	9.070	9.070	0.000	295435713	150.0	137.8	
						RPD = 5.46	
S 12 Polychlorinated biphenyls, Total							
1						2982.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

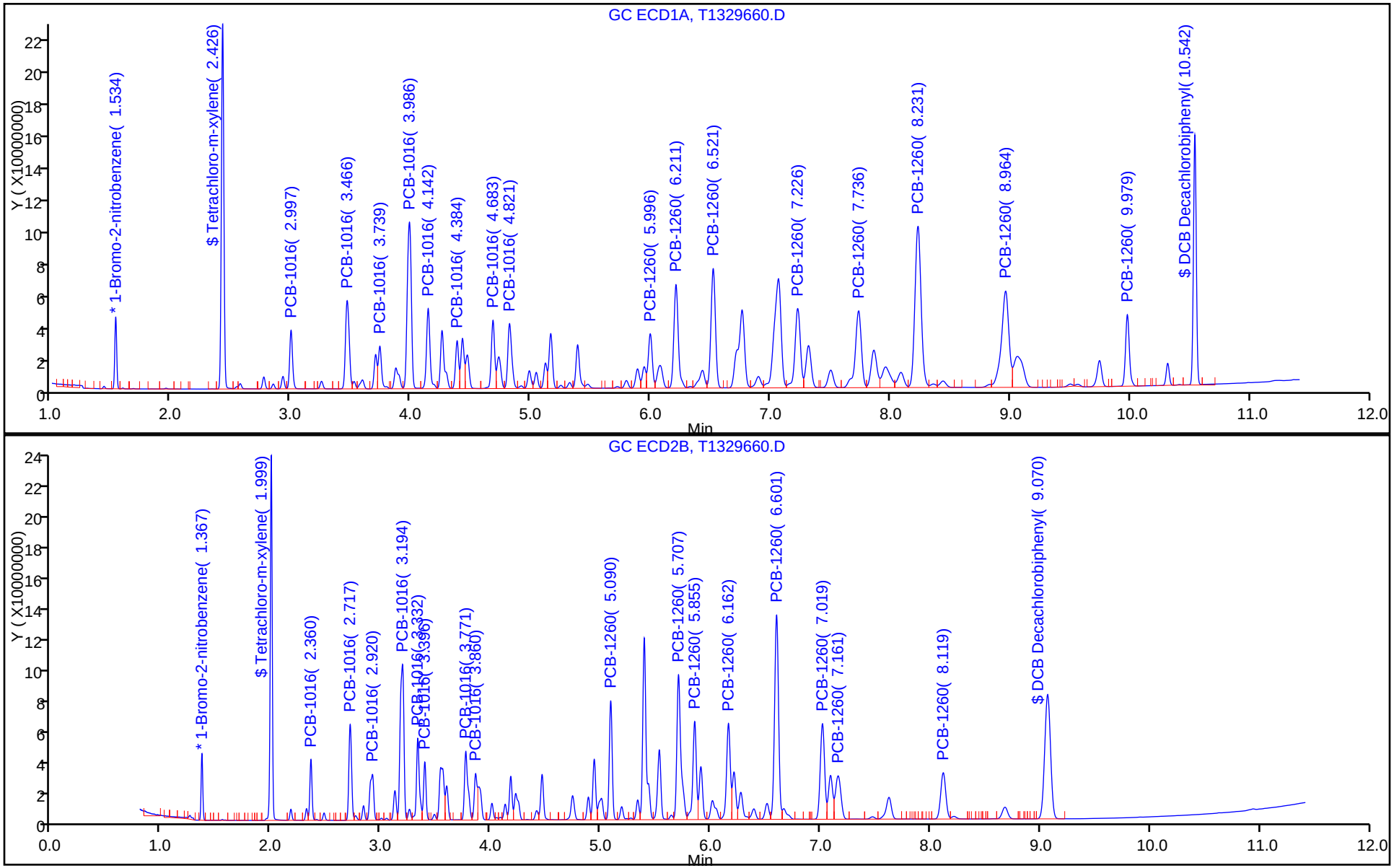
SG1660L4_00021	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329660.D

Injection Date:	17-Jun-2016 17:33:23	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:11:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329660.D

Injection Date: 17-Jun-2016 17:33:23 Instrument ID: CPESTGC11

Lims ID: IC PCB 4

Client ID:

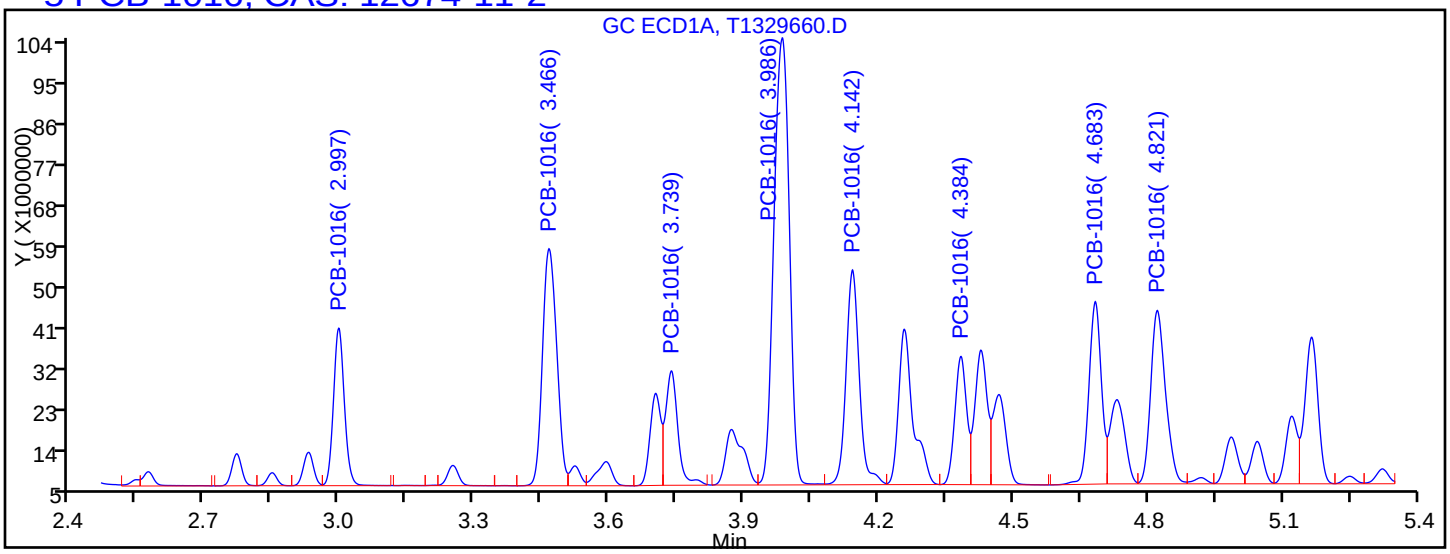
Operator ID: ALS Bottle#: 6 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

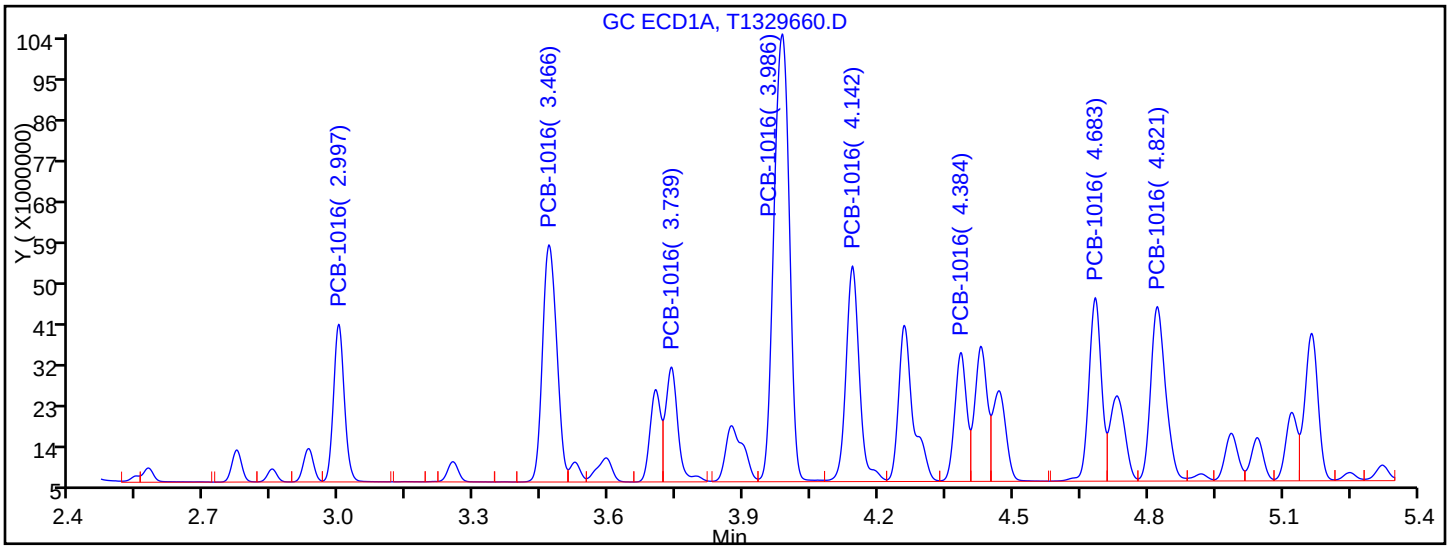
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.997	Response = 58856970	
RT = 3.466	Response = 116217693	
RT = 3.739	Response = 48156737	M
RT = 3.986	Response = 236549178	M
RT = 4.142	Response = 98107997	M
RT = 4.384	Response = 52074446	M
RT = 4.683	Response = 78530873	M
RT = 4.821	Response = 88594843	M



Manual Integration Results

RT = 2.997	Response = 58856970	
RT = 3.466	Response = 116217693	
RT = 3.739	Response = 48670211	M
RT = 3.986	Response = 237555906	M
RT = 4.142	Response = 99201310	M
RT = 4.384	Response = 52581109	M

Report Date: 19-Jun-2016 09:11:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329660.D

Injection Date: 17-Jun-2016 17:33:23 Instrument ID: CPESTGC11

Lims ID: IC PCB 4

Client ID:

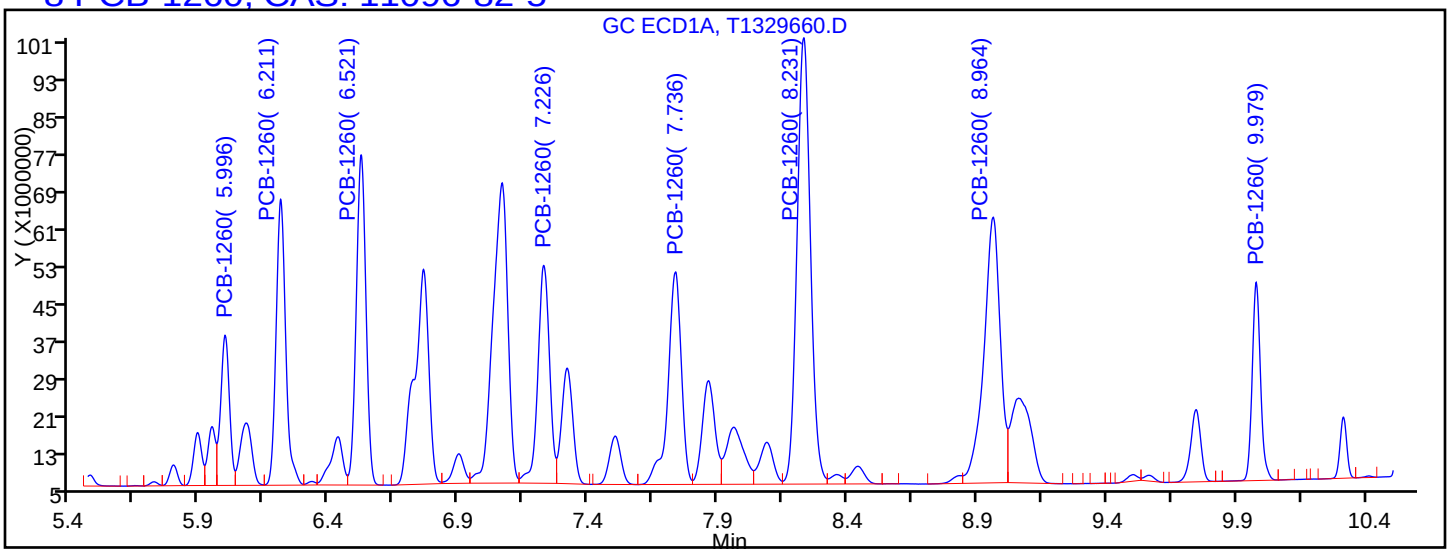
Operator ID: ALS Bottle#: 6 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

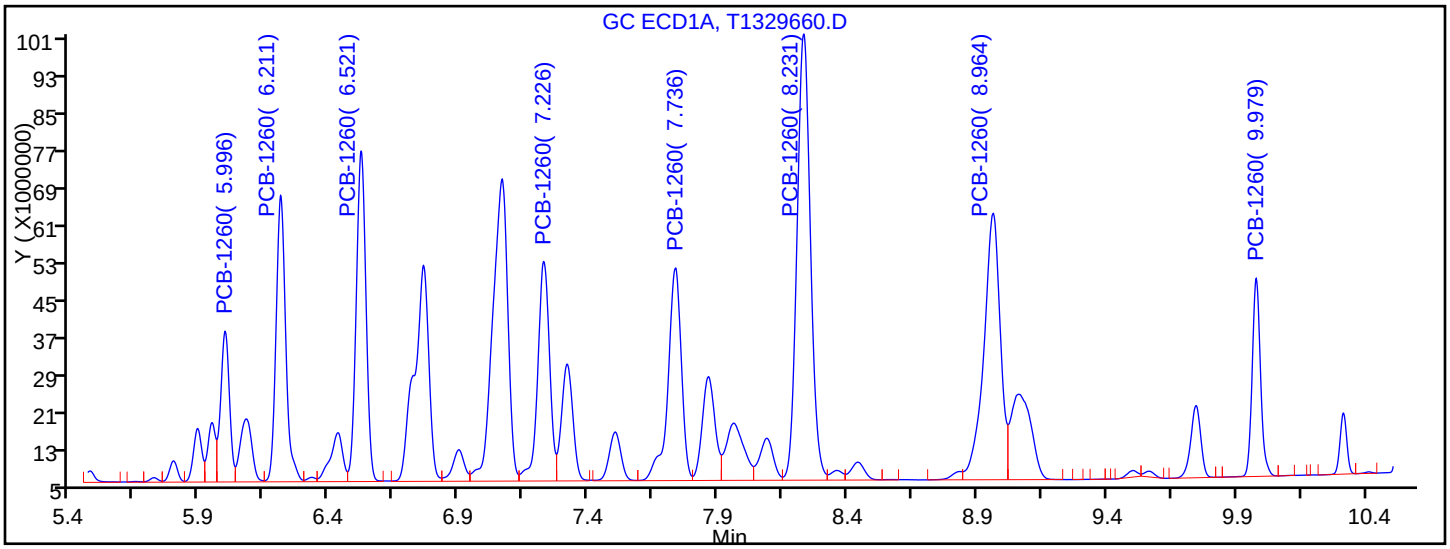
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.996	Response = 76585083	M
RT = 6.211	Response = 158781828	M
RT = 6.521	Response = 185349344	M
RT = 7.226	Response = 147245734	M
RT = 7.736	Response = 164610241	M
RT = 8.231	Response = 346898564	M
RT = 8.964	Response = 252171288	M
RT = 9.979	Response = 95617467	



Manual Integration Results

RT = 5.996	Response = 77203552	M
RT = 6.211	Response = 160164329	M
RT = 6.521	Response = 186376539	M
RT = 7.226	Response = 150841048	M
RT = 7.736	Response = 165302329	M
RT = 8.231	Response = 347385866	M

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329661.D
Lims ID: IC PCB 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Jun-2016 17:47:54 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-006
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:24 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.533	1.534	-0.001	48300680	20.0	20.0	
2	1.366	1.367	-0.001	45028249	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.426	2.426	0.000	426956448	200.0	200.6	
2	1.998	1.999	-0.001	398057397	200.0	196.9	M
						RPD = 1.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.997	2.998	-0.001	94368056	2500.0	2376.6	
1	3.466	3.465	0.001	188148070	2500.0	2408.5	
1	3.738	3.738	0.000	80291841	2500.0	2360.5	M
1	3.986	3.985	0.001	386108517	2500.0	2422.2	M
1	4.141	4.142	-0.001	160901993	2500.0	2394.3	M
1	4.383	4.384	-0.001	84995899	2500.0	2460.2	M
1	4.682	4.684	-0.002	128519270	2500.0	2395.4	M
1	4.821	4.822	-0.001	146139896	2500.0	2463.1	M
		Average of Peak Amounts =				2410.1	
2	2.359	2.360	-0.001	86409581	2500.0	2312.9	M
2	2.717	2.718	-0.001	171845426	2500.0	2354.8	M
2	2.920	2.921	-0.001	116753415	2500.0	2396.5	M
2	3.194	3.194	0.000	387264464	2500.0	2388.3	M
2	3.332	3.333	-0.001	160787056	2500.0	2400.6	M
2	3.396	3.397	-0.001	96036359	2500.0	2321.6	M
2	3.770	3.770	0.000	158885557	2500.0	2340.2	M
2	3.859	3.860	-0.001	91159231	2500.0	2406.0	M
		Average of Peak Amounts =				2365.1	
						RPD = 1.88	
8 PCB-1260							M
1	5.996	5.996	0.000	125996858	2500.0	2466.9	M
1	6.211	6.211	0.000	260766285	2500.0	2427.6	M
1	6.521	6.521	0.000	302059609	2500.0	2406.2	M
1	7.226	7.228	-0.002	244502543	2500.0	2422.1	M
1	7.735	7.735	0.000	268936894	2500.0	2416.2	M
1	8.229	8.230	-0.001	566902787	2500.0	2425.6	M
1	8.961	8.960	0.001	426186386	2500.0	2435.2	
1	9.978	9.979	-0.001	157407607	2500.0	2430.8	
		Average of Peak Amounts =				2428.8	
2	5.090	5.091	-0.001	227869318	2500.0	2332.2	
2	5.707	5.708	-0.001	394937801	2500.0	2340.0	
2	5.856	5.855	0.001	231805091	2500.0	2252.8	
2	6.162	6.162	0.000	240471545	2500.0	2301.7	
2	6.600	6.600	0.000	547674887	2500.0	2364.7	
2	7.018	7.019	-0.001	279865744	2500.0	2347.5	
2	7.160	7.160	0.000	158480502	2500.0	2331.9	
2	8.118	8.119	-0.001	159946733	2500.0	2391.1	
		Average of Peak Amounts =				2332.7	
						RPD = 4.04	
$ 11 DCB Decachlorobiphenyl							
1	10.541	10.542	-0.001	340655792	200.0	197.2	
2	9.069	9.070	-0.001	406125262	200.0	187.4	
						RPD = 5.09	
S 12 Polychlorinated biphenyls, Total							
1						4838.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

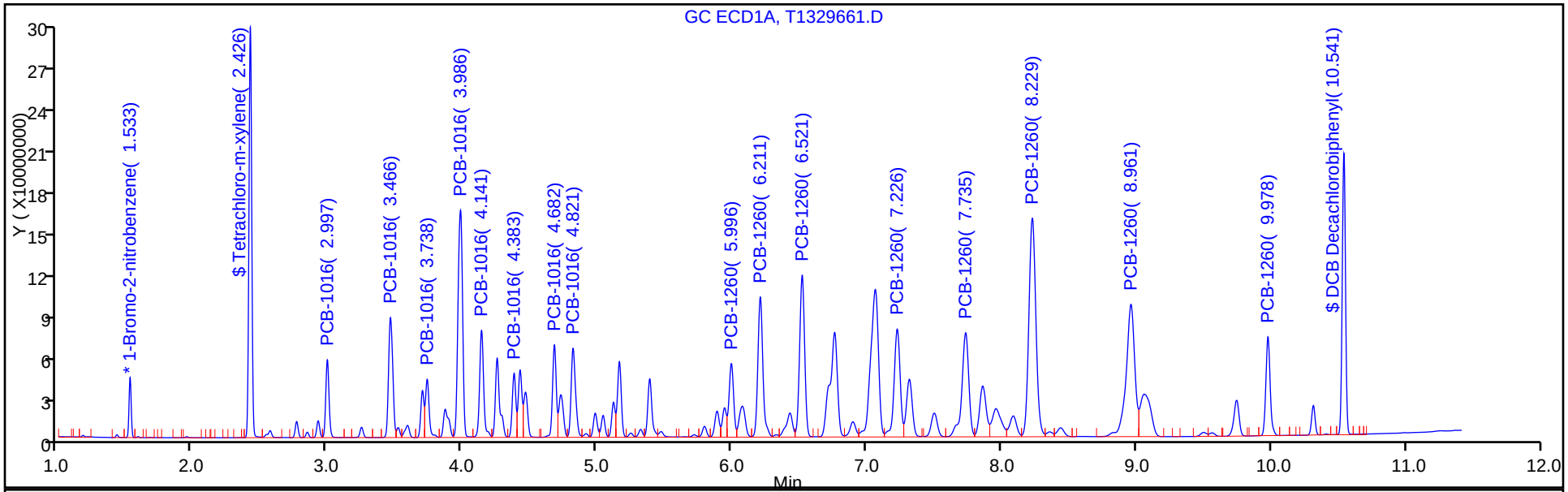
SG1660L5_00021	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

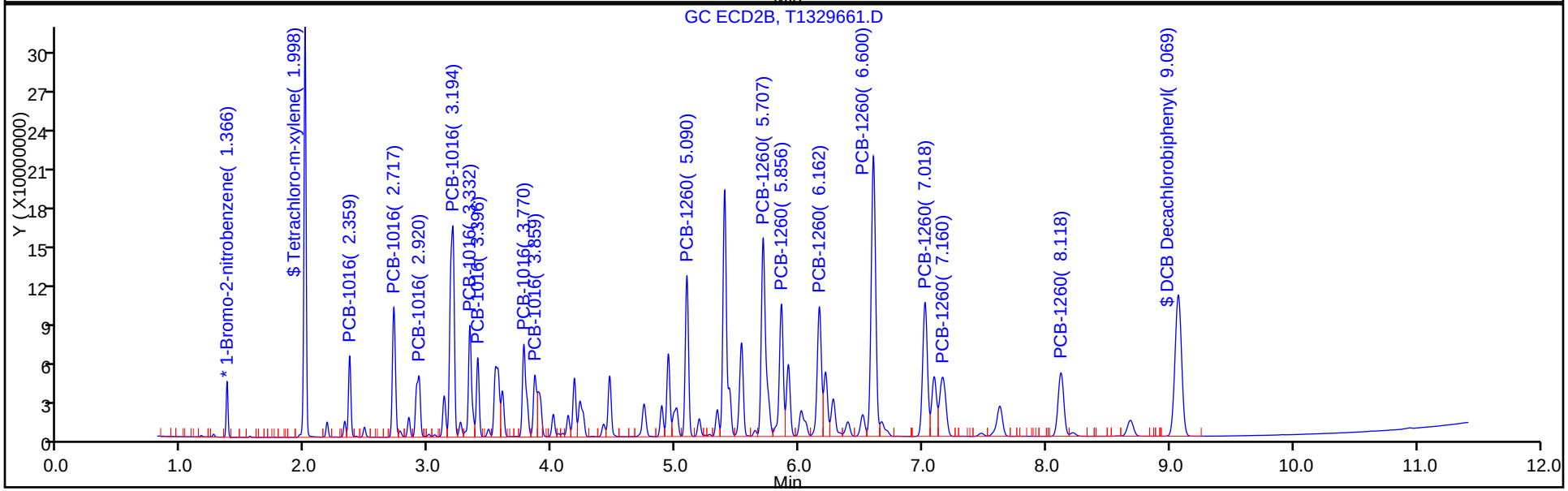
Report Date: 19-Jun-2016 09:11:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329661.D

Injection Date:	17-Jun-2016 17:47:54	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 19-Jun-2016 09:11:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329661.D

Injection Date: 17-Jun-2016 17:47:54 Instrument ID: CPESTGC11

Lims ID: IC PCB 5

Client ID:

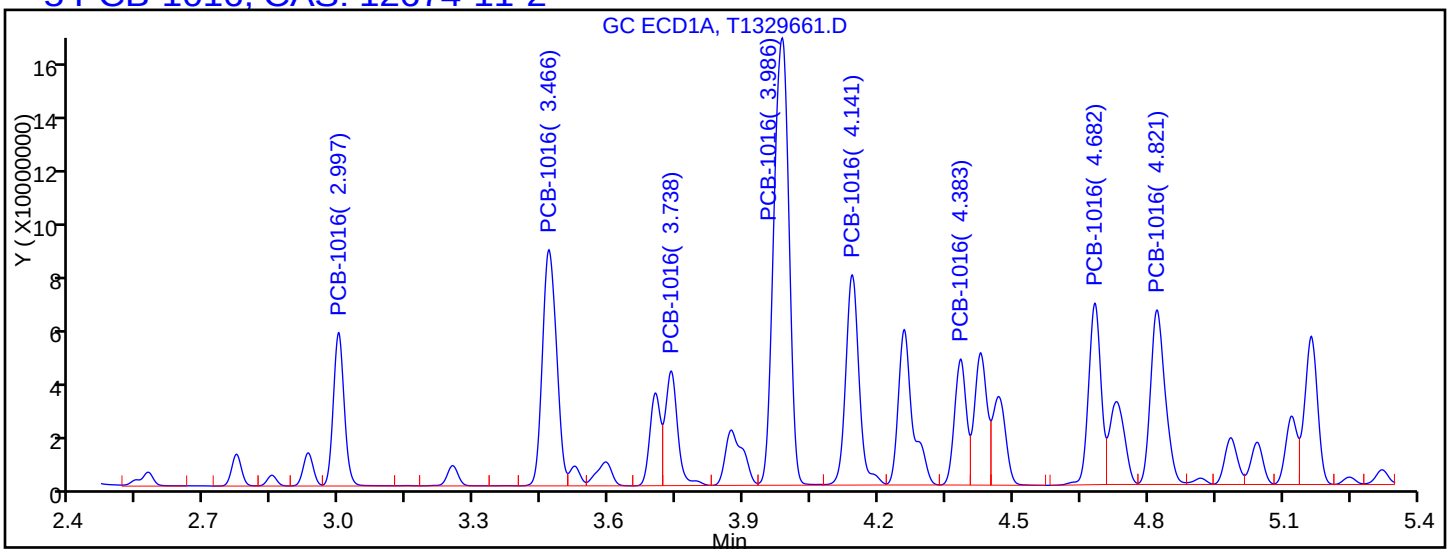
Operator ID: ALS Bottle#: 7 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

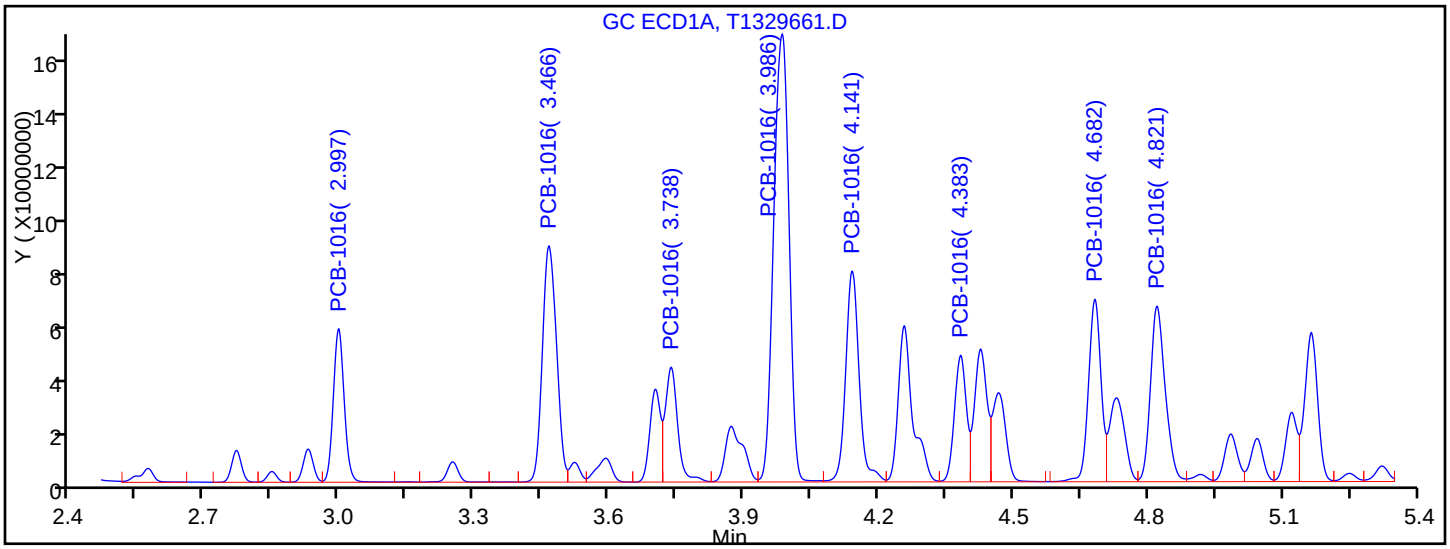
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.997	Response = 94368056	
RT = 3.466	Response = 188148070	
RT = 3.738	Response = 79752683	M
RT = 3.986	Response = 384588699	M
RT = 4.141	Response = 159115313	M
RT = 4.383	Response = 84141958	M
RT = 4.682	Response = 126928934	M
RT = 4.821	Response = 143817810	M



Manual Integration Results

RT = 2.997	Response = 94368056	
RT = 3.466	Response = 188148070	
RT = 3.738	Response = 80291841	M
RT = 3.986	Response = 386108517	M
RT = 4.141	Response = 160901993	M
RT = 4.383	Response = 84995899	M

Report Date: 19-Jun-2016 09:11:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329661.D

Injection Date: 17-Jun-2016 17:47:54 Instrument ID: CPESTGC11

Lims ID: IC PCB 5

Client ID:

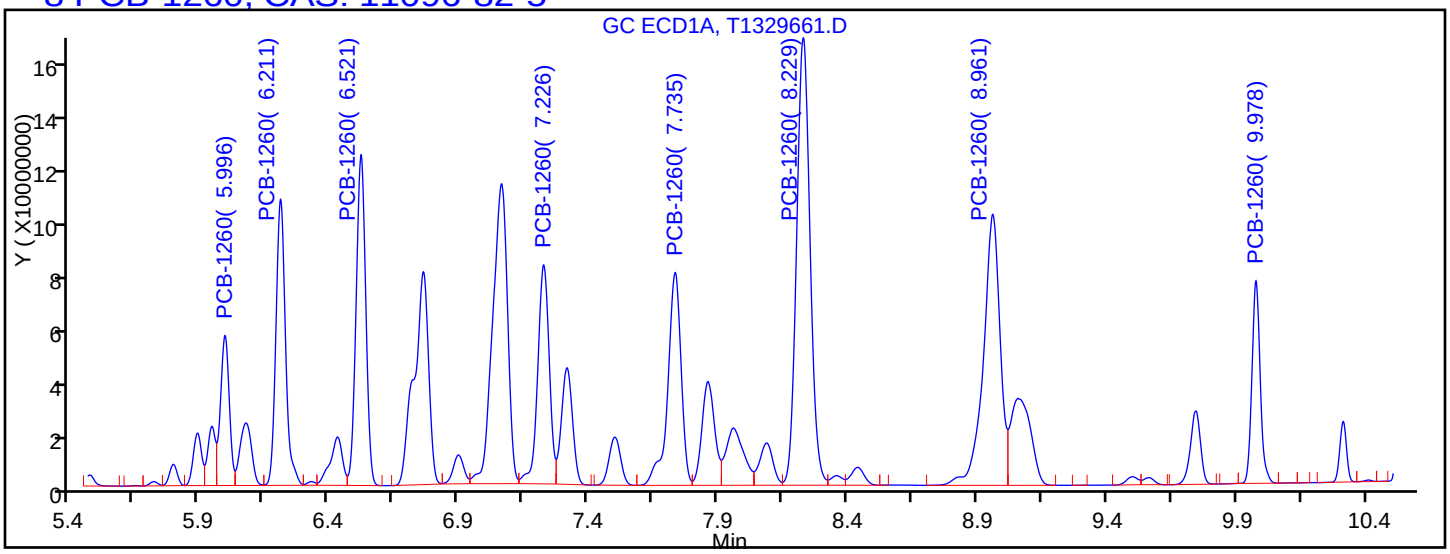
Operator ID: ALS Bottle#: 7 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

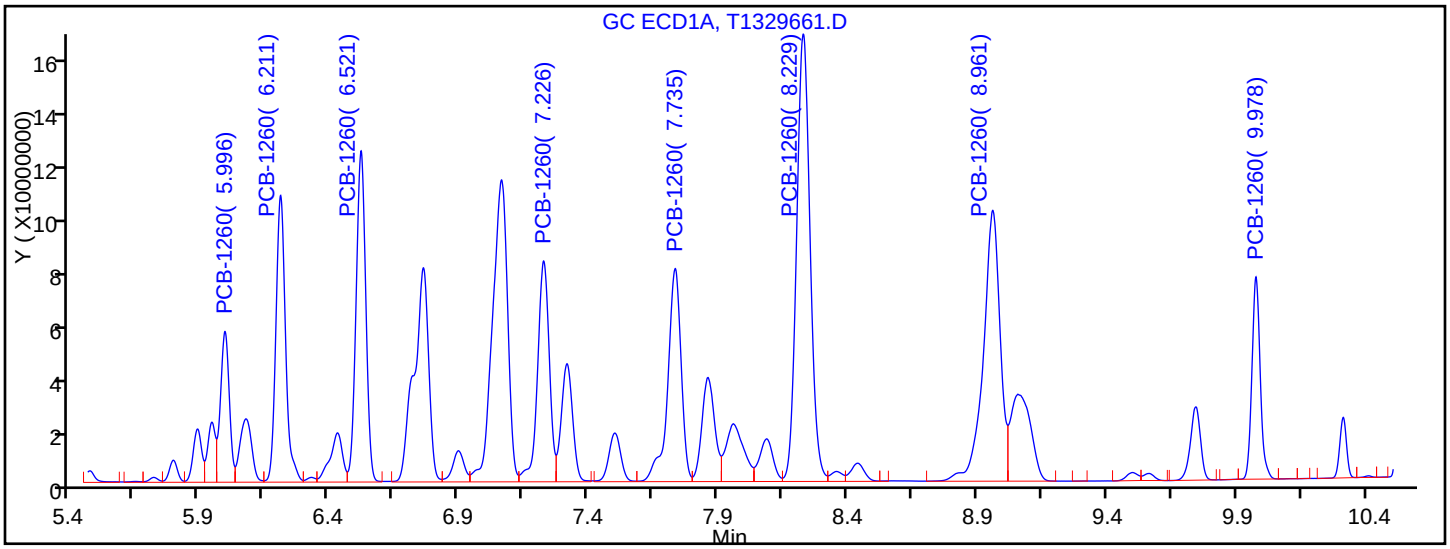
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.996	Response = 124658163	M
RT = 6.211	Response = 257681724	M
RT = 6.521	Response = 300129763	M
RT = 7.226	Response = 237975642	M
RT = 7.735	Response = 266898518	M
RT = 8.229	Response = 565423600	M
RT = 8.961	Response = 426186386	
RT = 9.978	Response = 157407607	



Manual Integration Results

RT = 5.996	Response = 125996858	M
RT = 6.211	Response = 260766285	M
RT = 6.521	Response = 302059609	M
RT = 7.226	Response = 244502543	M
RT = 7.735	Response = 268936894	M
RT = 8.229	Response = 566902787	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 16:49 Calibration End Date: 06/17/2016 17:47 Calibration ID: 56314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/2	T1329657.D
Level 2	IC 460-374290/3	T1329658.D
Level 3	IC 460-374290/4	T1329659.D
Level 4	IC 460-374290/5	T1329660.D
Level 5	IC 460-374290/6	T1329661.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0180	0.0170	0.0166	0.0161	0.0154	Ave		0.0166				5.9		20.0			0.9900
PCB-1016 Peak 2	0.0331	0.0337	0.0331	0.0317	0.0305	Ave		0.0324				3.9		20.0			0.9900
PCB-1016 Peak 3	0.0214	0.0224	0.0222	0.0215	0.0207	Ave		0.0216				3.0		20.0			0.9900
PCB-1016 Peak 4	0.0718	0.0750	0.0738	0.0708	0.0688	Ave		0.0720				3.4		20.0			0.9900
PCB-1016 Peak 5	0.0289	0.0312	0.0307	0.0294	0.0286	Ave		0.0297				3.8		20.0			0.9900
PCB-1016 Peak 6	0.0203	0.0187	0.0182	0.0176	0.0171	Ave		0.0184				6.8		20.0			0.9900
PCB-1016 Peak 7	0.0318	0.0312	0.0304	0.0291	0.0282	Ave		0.0302				4.9		20.0			0.9900
PCB-1016 Peak 8	0.0172	0.0170	0.0173	0.0165	0.0162	Ave		0.0168				2.8		20.0			0.9900
PCB-1260 Peak 1	0.0445	0.0457	0.0445	0.0418	0.0405	Ave		0.0434				5.0		20.0			0.9900
PCB-1260 Peak 2	0.0769	0.0790	0.0769	0.0718	0.0702	Ave		0.0750				5.0		20.0			0.9900
PCB-1260 Peak 3	0.0524	0.0472	0.0455	0.0422	0.0412	Ave		0.0457				9.7		20.0			0.9900
PCB-1260 Peak 4	0.0495	0.0486	0.0472	0.0440	0.0427	Ave		0.0464				6.4		20.0			0.9900
PCB-1260 Peak 5	0.1039	0.1091	0.1055	0.0986	0.0973	Ave		0.1029				4.8		20.0			0.9900
PCB-1260 Peak 6	0.0551	0.0557	0.0539	0.0503	0.0497	Ave		0.0530				5.2		20.0			0.9900
PCB-1260 Peak 7	0.0320	0.0316	0.0306	0.0286	0.0282	Ave		0.0302				5.8		20.0			0.9900
PCB-1260 Peak 8	0.0292	0.0320	0.0303	0.0286	0.0284	Ave		0.0297				4.9		20.0			0.9900
Tetrachloro-m-xylene	0.8542	0.9491	0.9263	0.8755	0.8840	Ave		0.8978				4.3		20.0			0.9900
DCB Decachlorobiphenyl	1.0219	1.0369	0.9679	0.8843	0.9019	Ave		0.9626				7.1		20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 16:49 Calibration End Date: 06/17/2016 17:47 Calibration ID: 56314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/2	T1329657.D
Level 2	IC 460-374290/3	T1329658.D
Level 3	IC 460-374290/4	T1329659.D
Level 4	IC 460-374290/5	T1329660.D
Level 5	IC 460-374290/6	T1329661.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	1988791	17601723	34355594	53669019	86409581	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	3657353	34892704	68566680	105872731	171845426	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	2367984	23176089	45996304	71727205	116753415	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	7940401	77741733	152704226	236399127	387264464	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	3200676	32344176	63513802	98100029	160787056	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	2246628	19359269	37762753	58728292	96036359	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	3519821	32387214	62884821	97272346	158885557	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	1898528	17647110	35788067	55039601	91159231	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	4924424	47388823	92114022	139556499	227869318	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	8504377	81964387	159150615	239956000	394937801	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	5791258	48990909	94149722	141095517	231805091	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	5479148	50430467	97649532	146837674	240471545	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	11492180	113178484	218244310	329230507	547674887	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	6090276	57795127	111607561	168116758	279865744	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	3541594	32722825	63382803	95473729	158480502	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	3234769	33169855	62634427	95699032	159946733	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	23622105	98412532	191717609	292476987	398057397	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	28261365	107515159	200322733	295435713	406125262	12.5	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329657.D
Lims ID: IC PCB 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Jun-2016 16:49:49 ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-002
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:10:51 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.533	1.534	-0.001	52132508	20.0	20.0	
2	1.367	1.368	-0.001	44247020	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.425	2.426	-0.001	28223476	12.5	12.3	
2	1.998	1.999	-0.001	23622105	12.5	11.9	
						RPD = 3.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.997	2.998	-0.001	2383471	50.0	55.6	
1	3.466	3.465	0.001	4450942	50.0	52.8	
1	3.743	3.738	0.005	2265887	50.0	61.7	M
1	3.985	3.985	0.000	9187173	50.0	53.4	
1	4.142	4.142	0.000	4013840	50.0	55.3	M
1	4.382	4.384	-0.002	1851014	50.0	49.6	
1	4.682	4.684	-0.002	3145812	50.0	54.3	
1	4.822	4.822	0.000	3235444	50.0	50.5	M
		Average of Peak Amounts =				54.2	
2	2.360	2.360	0.000	1988791	50.0	54.2	
2	2.717	2.718	-0.001	3657353	50.0	51.0	
2	2.922	2.921	0.001	2367984	50.0	49.5	
2	3.193	3.194	-0.001	7940401	50.0	49.8	
2	3.332	3.333	-0.001	3200676	50.0	48.6	
2	3.397	3.397	0.000	2246628	50.0	55.3	
2	3.769	3.770	-0.001	3519821	50.0	52.8	
2	3.859	3.860	-0.001	1898528	50.0	51.0	
		Average of Peak Amounts =				51.5	
						RPD = 5.02	
8 PCB-1260							M
1	5.996	5.996	0.000	2696008	50.0	48.9	
1	6.209	6.211	-0.002	5939775	50.0	51.2	
1	6.520	6.521	-0.001	6940606	50.0	51.2	M
1	7.225	7.228	-0.003	5368130	50.0	49.3	M
1	7.734	7.735	-0.001	6106642	50.0	50.8	
1	8.230	8.230	0.000	12678163	50.0	50.3	
1	8.962	8.960	0.002	9853674	50.0	52.2	
1	9.979	9.979	0.000	3636685	50.0	52.0	
		Average of Peak Amounts =				50.7	
2	5.090	5.091	-0.001	4924424	50.0	51.3	M
2	5.707	5.708	-0.001	8504377	50.0	51.3	M
2	5.855	5.855	0.000	5791258	50.0	57.3	M
2	6.161	6.162	-0.001	5479148	50.0	53.4	M
2	6.599	6.600	-0.001	11492180	50.0	50.5	M
2	7.017	7.019	-0.002	6090276	50.0	52.0	M
2	7.159	7.160	-0.001	3541594	50.0	53.0	M
2	8.120	8.119	0.001	3234769	50.0	49.2	
		Average of Peak Amounts =				52.2	
						RPD = 2.92	
$ 11 DCB Decachlorobiphenyl							M
1	10.541	10.542	-0.001	23654358	12.5	12.7	M
2	9.067	9.070	-0.003	28261365	12.5	13.3	
						RPD = 4.50	
S 12 Polychlorinated biphenyls, Total							
1						104.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

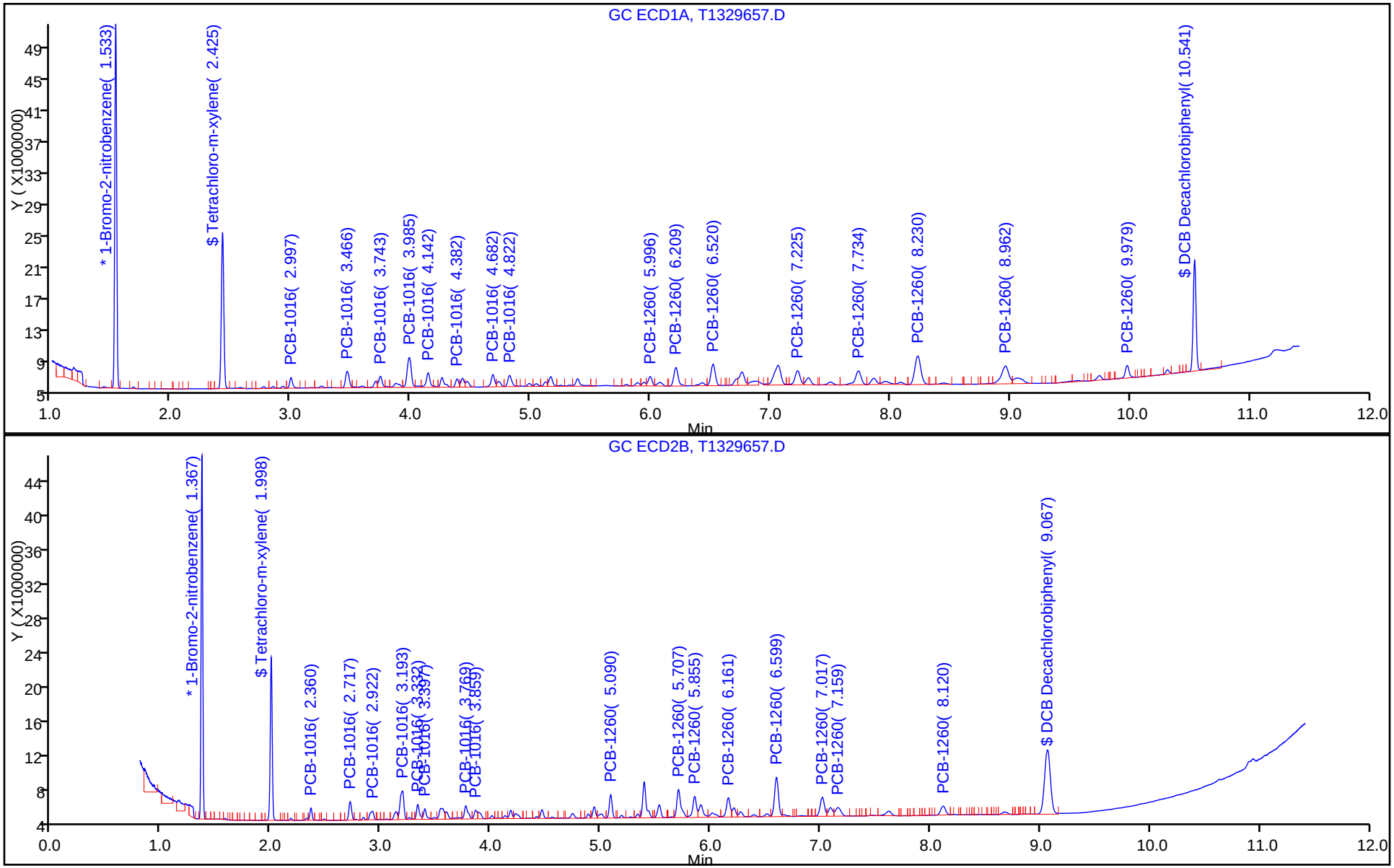
SG1660(LVI)L1_00009	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:10:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329657.D

Injection Date:	17-Jun-2016 16:49:49	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:10:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329657.D

Injection Date: 17-Jun-2016 16:49:49 Instrument ID: CPESTGC11

Lims ID: IC PCB 1

Client ID:

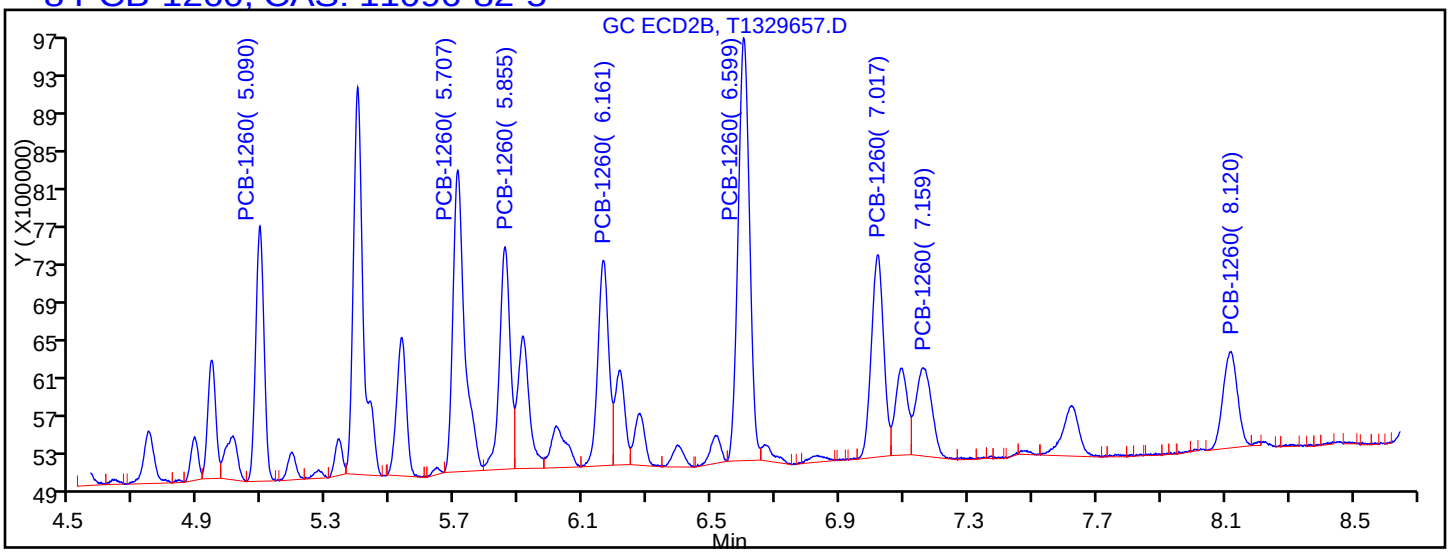
Operator ID: ALS Bottle#: 3 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

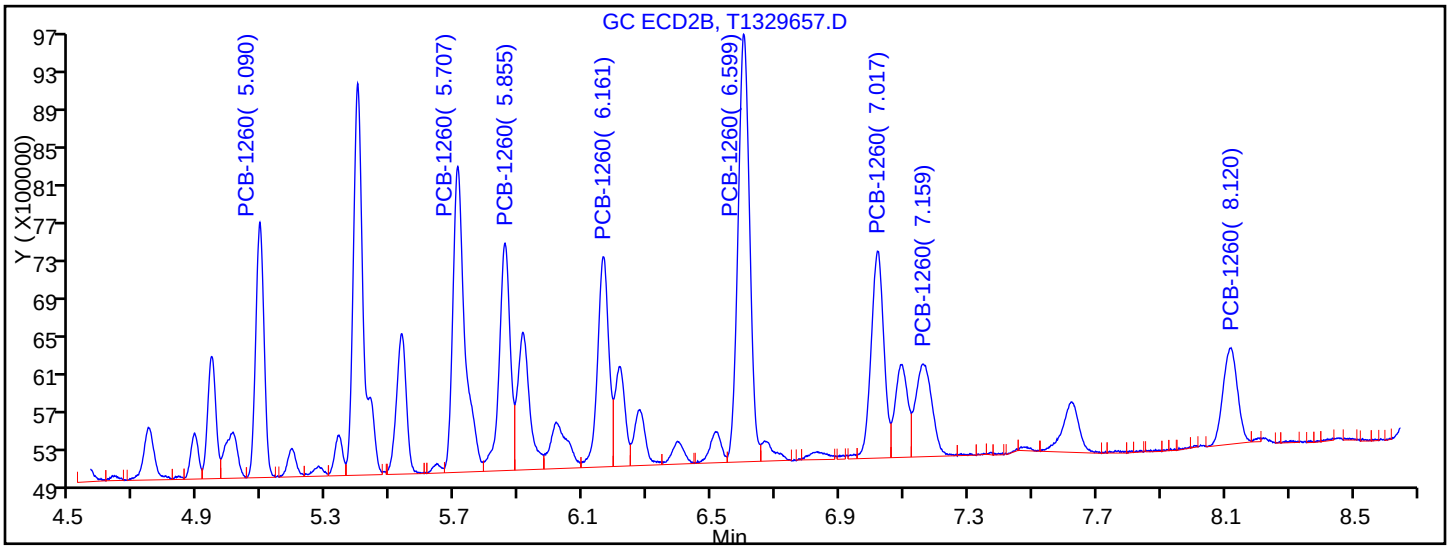
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.090	Response = 4917167	M
RT = 5.707	Response = 8164091	M
RT = 5.855	Response = 5481644	M
RT = 6.161	Response = 5166587	M
RT = 6.599	Response = 11164652	M
RT = 7.017	Response = 5786311	M
RT = 7.159	Response = 3277699	M
RT = 8.120	Response = 3234769	



Manual Integration Results

RT = 5.090	Response = 4924424	M
RT = 5.707	Response = 8504377	M
RT = 5.855	Response = 5791258	M
RT = 6.161	Response = 5479148	M
RT = 6.599	Response = 11492180	M
RT = 7.017	Response = 6090276	M

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329658.D
Lims ID: IC PCB 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Jun-2016 17:04:19 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-003
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:00 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	48810751	20.0	20.0	
2	1.367	1.368	-0.001	41476835	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.426	2.426	0.000	111178386	50.0	51.7	
2	1.998	1.999	-0.001	98412532	50.0	52.9	
						RPD = 2.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.997	2.998	-0.001	19947747	500.0	497.1	
1	3.466	3.465	0.001	39847649	500.0	504.8	M
1	3.738	3.738	0.000	16821854	500.0	489.4	M
1	3.985	3.985	0.000	80280216	500.0	498.4	M
1	4.142	4.142	0.000	33578572	500.0	494.4	M
1	4.383	4.384	-0.001	17797798	500.0	509.8	M
1	4.683	4.684	-0.001	26928358	500.0	496.7	M
1	4.821	4.822	-0.001	30040601	500.0	501.0	M
		Average of Peak Amounts =				498.9	
2	2.360	2.360	0.000	17601723	500.0	511.5	
2	2.717	2.718	-0.001	34892704	500.0	519.1	
2	2.921	2.921	0.000	23176089	500.0	516.4	
2	3.194	3.194	0.000	77741733	500.0	520.5	M
2	3.333	3.333	0.000	32344176	500.0	524.3	M
2	3.397	3.397	0.000	19359269	500.0	508.1	M
2	3.771	3.770	0.001	32387214	500.0	517.9	M
2	3.861	3.860	0.001	17647110	500.0	505.6	M
		Average of Peak Amounts =				515.4	
						RPD = 3.25	
8 PCB-1260							M
1	5.996	5.996	0.000	26169828	500.0	507.0	
1	6.211	6.211	0.000	54445319	500.0	501.6	
1	6.521	6.521	0.000	64474128	500.0	508.2	
1	7.226	7.228	-0.002	52790602	500.0	517.5	
1	7.735	7.735	0.000	57153947	500.0	508.1	
1	8.231	8.230	0.001	120701616	500.0	511.1	
1	8.962	8.960	0.002	90244352	500.0	510.3	
1	9.976	9.979	-0.003	33015803	500.0	504.5	
		Average of Peak Amounts =				508.5	
2	5.090	5.091	-0.001	47388823	500.0	526.6	M
2	5.707	5.708	-0.001	81964387	500.0	527.2	M
2	5.855	5.855	0.000	48990909	500.0	516.9	M
2	6.162	6.162	0.000	50430467	500.0	524.0	M
2	6.600	6.600	0.000	113178484	500.0	530.5	M
2	7.017	7.019	-0.002	57795127	500.0	526.3	
2	7.161	7.160	0.001	32722825	500.0	522.7	
2	8.119	8.119	0.000	33169855	500.0	538.3	
		Average of Peak Amounts =				526.6	
						RPD = 3.48	
$ 11 DCB Decachlorobiphenyl							M
1	10.535	10.542	-0.007	89311814	50.0	51.2	M
2	9.070	9.070	0.000	107515159	50.0	53.9	
						RPD = 5.14	
S 12 Polychlorinated biphenyls, Total							
1						1007.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

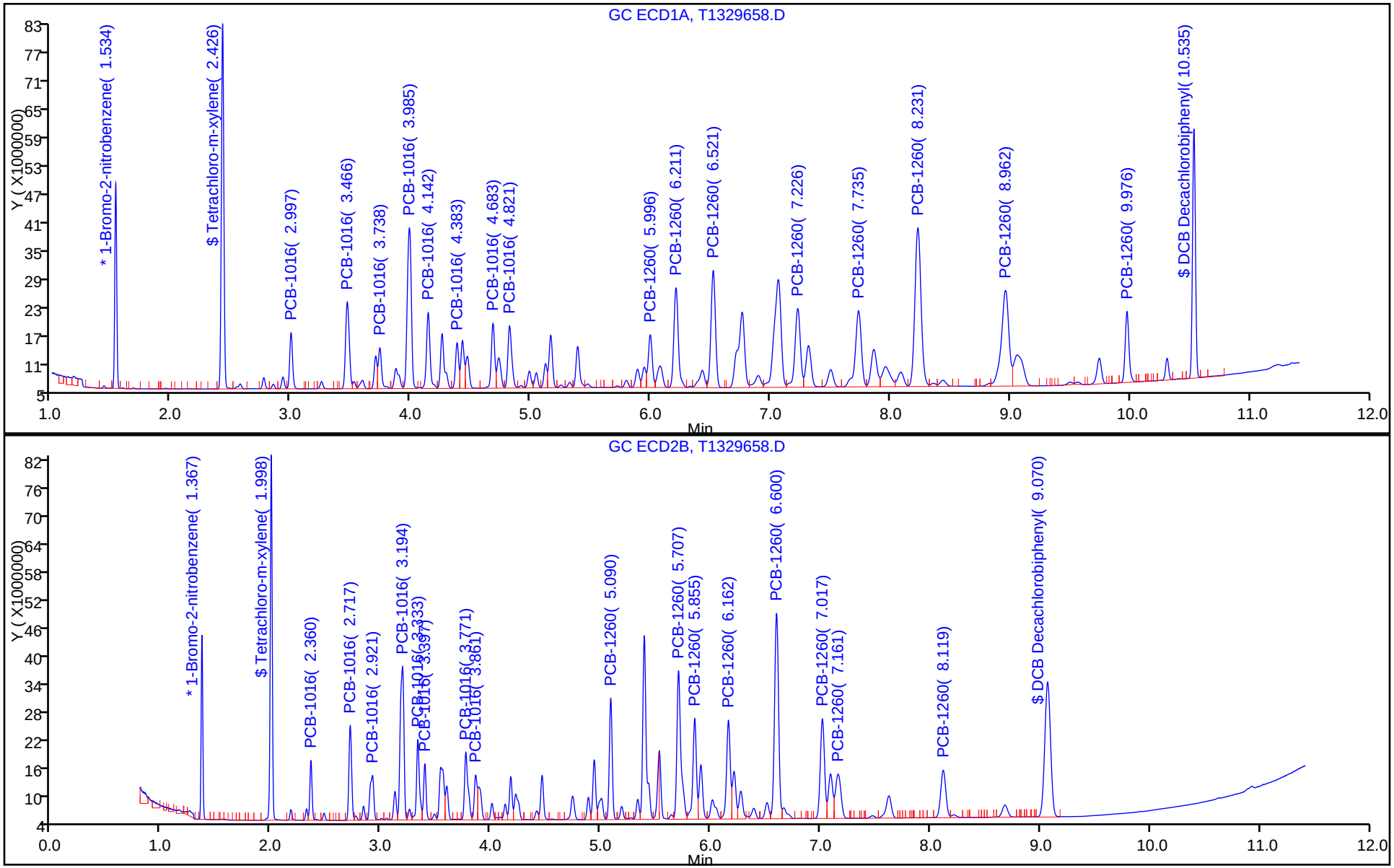
SG1660L2_00022	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329658.D

Injection Date:	17-Jun-2016 17:04:19	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:11:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329658.D

Injection Date: 17-Jun-2016 17:04:19 Instrument ID: CPESTGC11

Lims ID: IC PCB 2

Client ID:

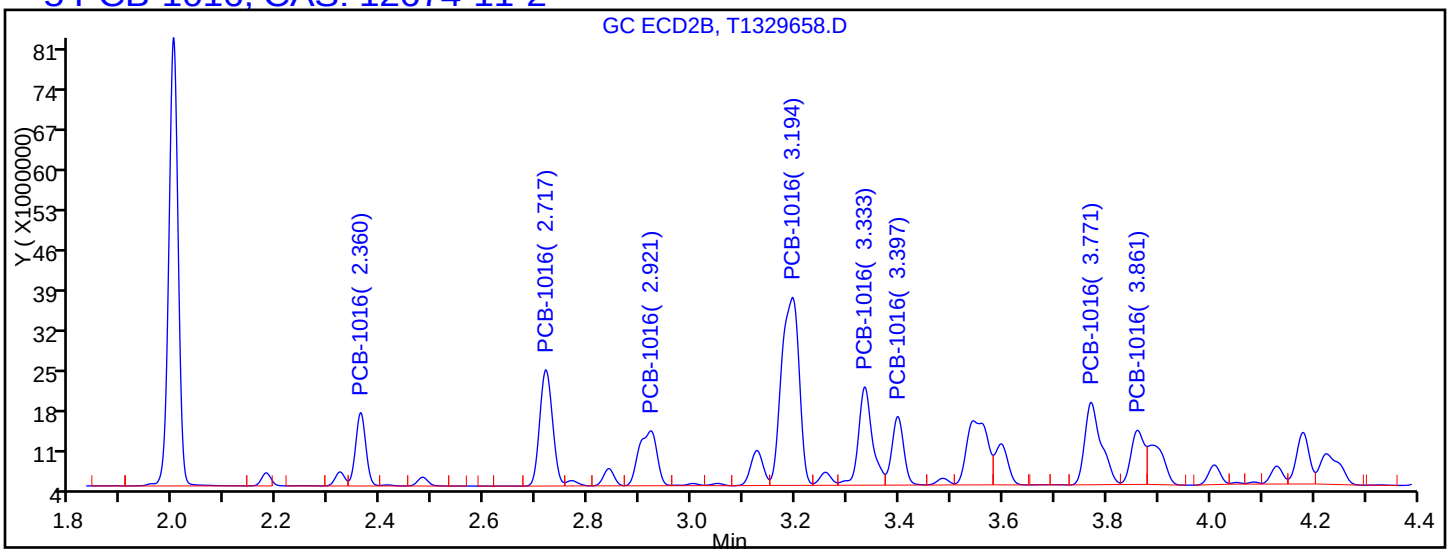
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

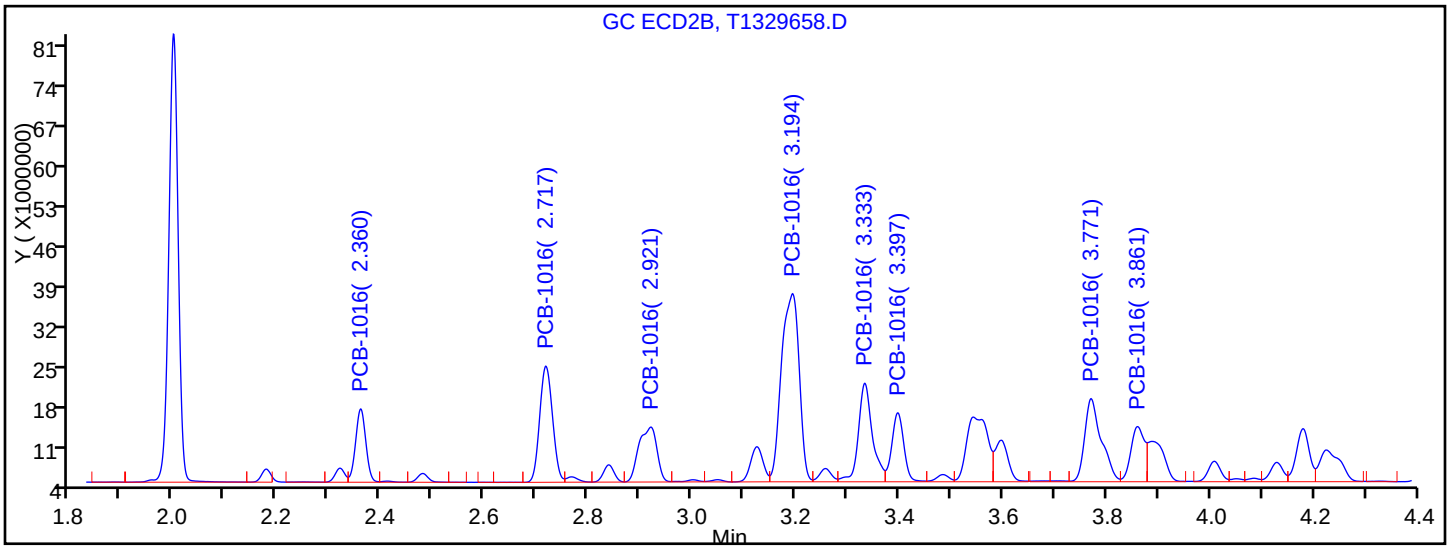
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.360	Response = 17601723	
RT = 2.717	Response = 34892704	
RT = 2.921	Response = 23176089	
RT = 3.194	Response = 77608255	M
RT = 3.333	Response = 32018078	M
RT = 3.397	Response = 18996521	M
RT = 3.771	Response = 31586347	M
RT = 3.861	Response = 17083824	M



Manual Integration Results

RT = 2.360	Response = 17601723	
RT = 2.717	Response = 34892704	
RT = 2.921	Response = 23176089	
RT = 3.194	Response = 77741733	M
RT = 3.333	Response = 32344176	M
RT = 3.397	Response = 19359269	M

Report Date: 19-Jun-2016 09:11:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329658.D

Injection Date: 17-Jun-2016 17:04:19 Instrument ID: CPESTGC11

Lims ID: IC PCB 2

Client ID:

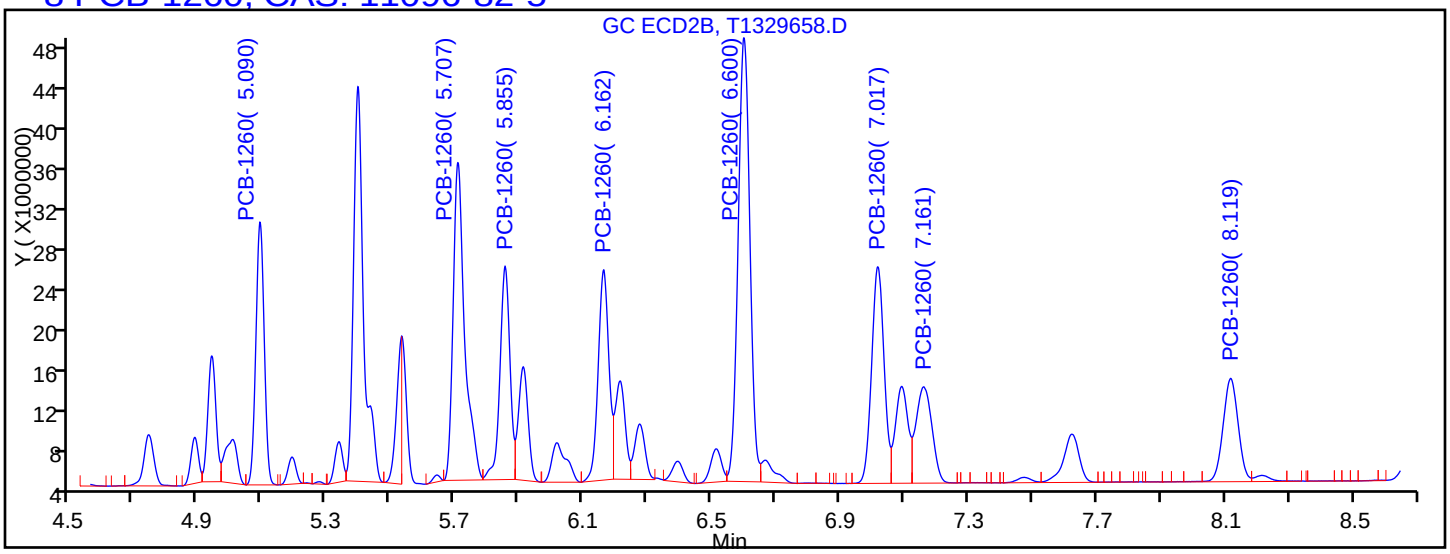
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

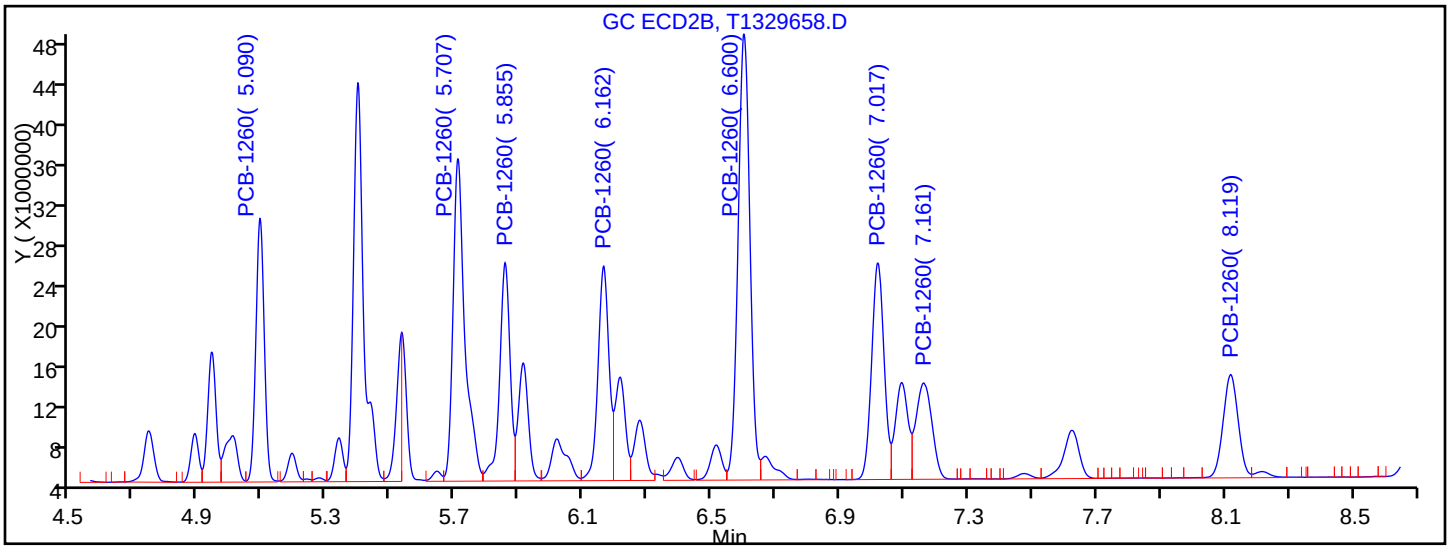
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.090	Response = 46840417	M
RT = 5.707	Response = 78464736	M
RT = 5.855	Response = 45888723	M
RT = 6.162	Response = 48184124	M
RT = 6.600	Response = 111731742	M
RT = 7.017	Response = 57795127	
RT = 7.161	Response = 32722825	
RT = 8.119	Response = 33169855	



Manual Integration Results

RT = 5.090	Response = 47388823	M
RT = 5.707	Response = 81964387	M
RT = 5.855	Response = 48990909	M
RT = 6.162	Response = 50430467	M
RT = 6.600	Response = 113178484	M
RT = 7.017	Response = 57795127	

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329659.D
Lims ID: IC PCB 3
Client ID:
Sample Type: ICRT Calib Level: 3
Inject. Date: 17-Jun-2016 17:18:51 ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-004
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:10 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:14:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	47612772	20.0	20.0	
2	1.367	1.367	0.000	41392687	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.426	2.426	0.000	206845811	100.0	98.6	
2	1.999	1.999	0.000	191717609	100.0	103.2	
						RPD = 4.57	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.998	2.998	0.000	37214464	1000.0	950.8	
1	3.465	3.465	0.000	75127788	1000.0	975.6	
1	3.738	3.738	0.000	29679246	1000.0	885.1	
1	3.985	3.985	0.000	152282244	1000.0	969.1	
1	4.142	4.142	0.000	63515995	1000.0	958.8	
1	4.384	4.384	0.000	33548865	1000.0	985.1	
1	4.684	4.684	0.000	51363153	1000.0	971.2	
1	4.822	4.822	0.000	57737690	1000.0	987.2	
		Average of Peak Amounts =				960.4	
2	2.360	2.360	0.000	34355594	1000.0	1000.3	
2	2.718	2.718	0.000	68566680	1000.0	1022.1	
2	2.921	2.921	0.000	45996304	1000.0	1027.0	M
2	3.194	3.194	0.000	152704226	1000.0	1024.5	M
2	3.333	3.333	0.000	63513802	1000.0	1031.6	M
2	3.397	3.397	0.000	37762753	1000.0	993.1	M
2	3.770	3.770	0.000	62884821	1000.0	1007.6	M
2	3.860	3.860	0.000	35788067	1000.0	1027.5	M
		Average of Peak Amounts =				1016.7	
						RPD = 5.70	
8 PCB-1260							M
1	5.996	5.996	0.000	50827089	1000.0	1009.5	
1	6.211	6.211	0.000	106245724	1000.0	1003.4	
1	6.521	6.521	0.000	124113120	1000.0	1003.0	
1	7.228	7.228	0.000	100581197	1000.0	1010.8	
1	7.735	7.735	0.000	110461120	1000.0	1006.7	
1	8.230	8.230	0.000	232150751	1000.0	1007.7	
1	8.960	8.960	0.000	170793787	1000.0	990.0	
1	9.979	9.979	0.000	63183426	1000.0	989.8	
		Average of Peak Amounts =				1002.6	
2	5.091	5.091	0.000	92114022	1000.0	1025.6	M
2	5.708	5.708	0.000	159150615	1000.0	1025.8	M
2	5.855	5.855	0.000	94149722	1000.0	995.4	M
2	6.162	6.162	0.000	97649532	1000.0	1016.7	M
2	6.600	6.600	0.000	218244310	1000.0	1025.1	M
2	7.019	7.019	0.000	111607561	1000.0	1018.4	M
2	7.160	7.160	0.000	63382803	1000.0	1014.5	M
2	8.119	8.119	0.000	62634427	1000.0	1018.6	M
		Average of Peak Amounts =				1017.5	
						RPD = 1.48	
$ 11 DCB Decachlorobiphenyl							
1	10.542	10.542	0.000	171272113	100.0	100.6	
2	9.070	9.070	0.000	200322733	100.0	100.6	
						RPD = 0.02	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

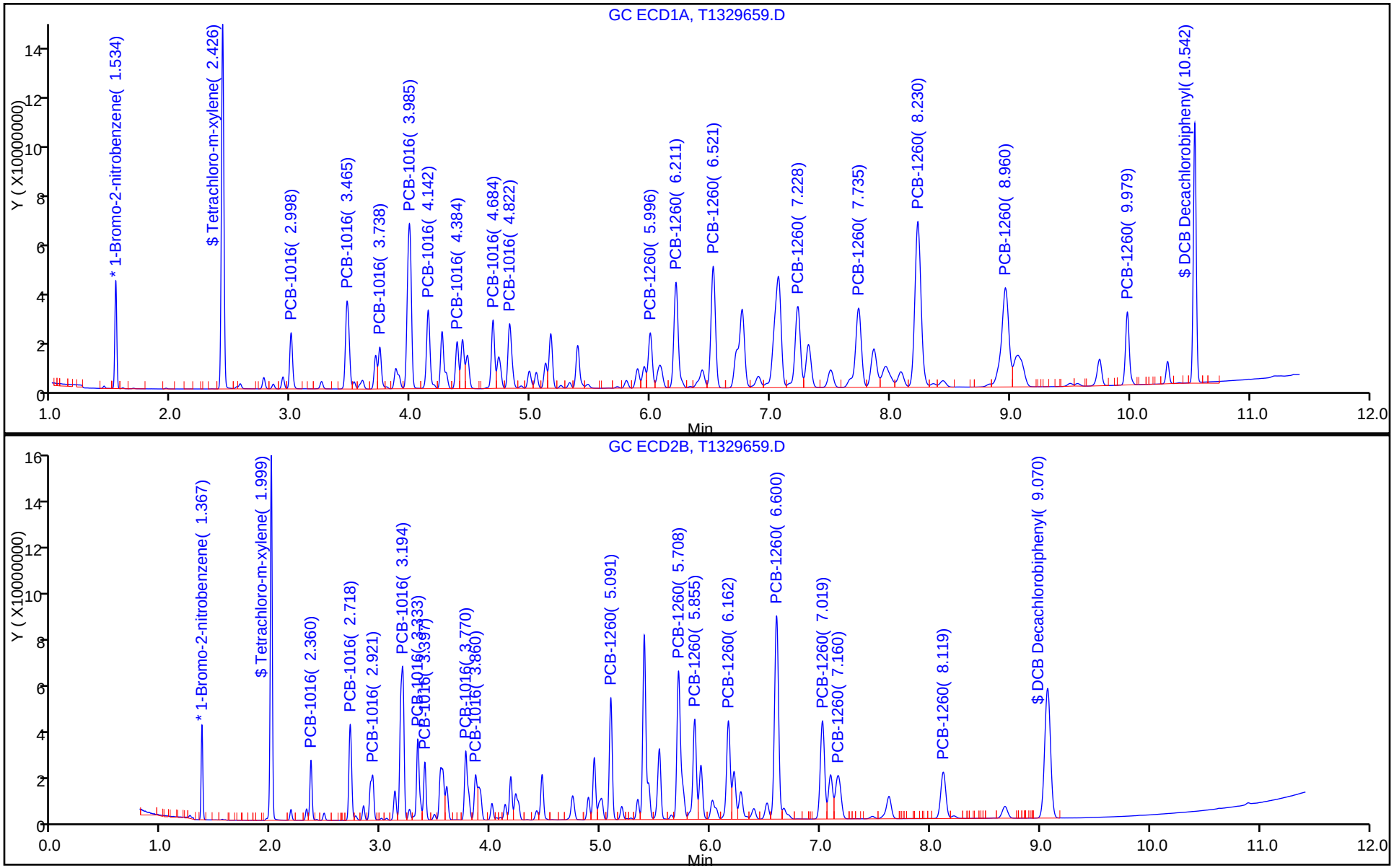
SG1660L3_00028	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329659.D

Injection Date:	17-Jun-2016 17:18:51	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:11:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329659.D

Injection Date: 17-Jun-2016 17:18:51 Instrument ID: CPESTGC11

Lims ID: IC PCB 3

Client ID:

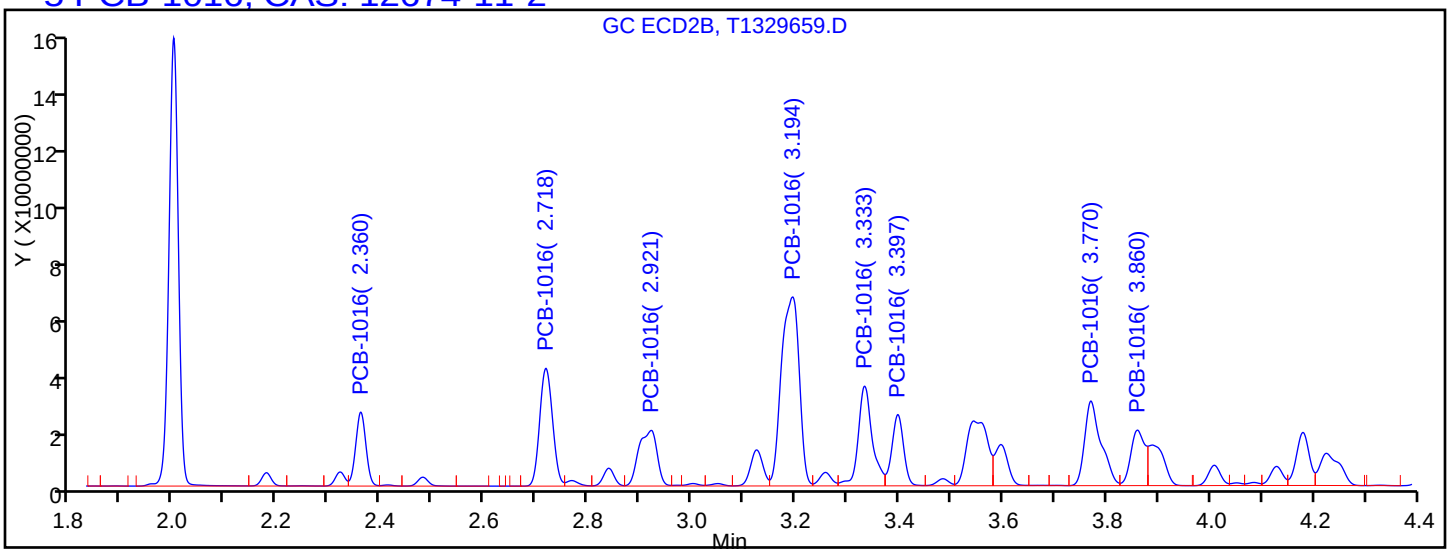
Operator ID: ALS Bottle#: 5 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

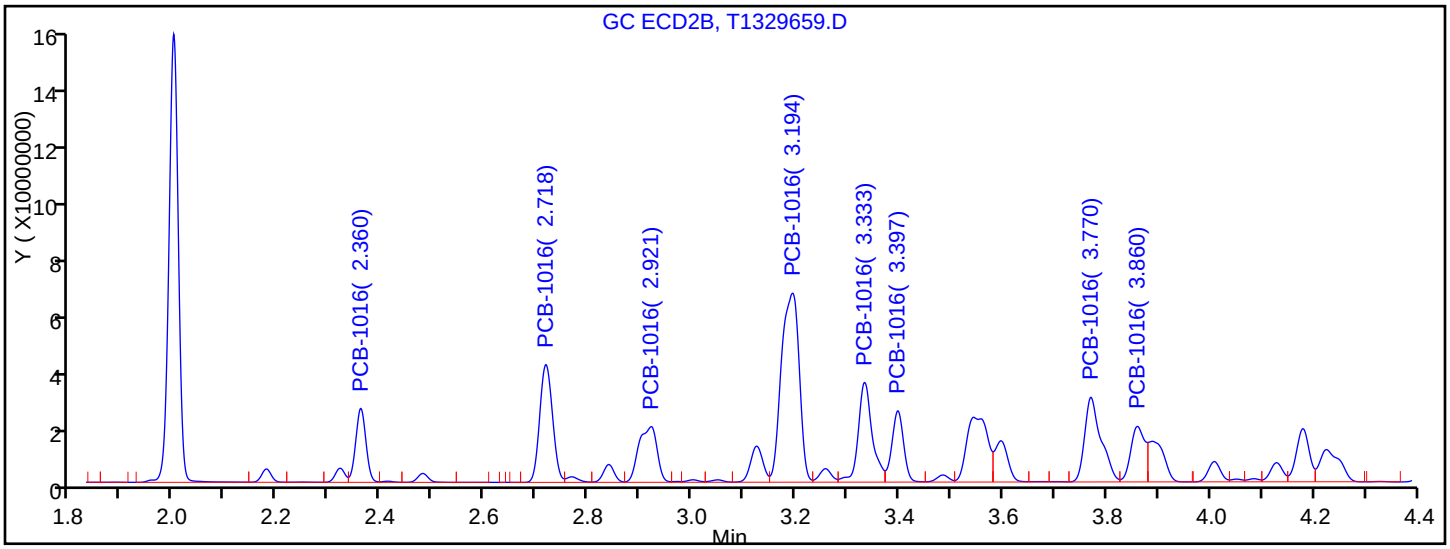
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.360	Response = 34355594	
RT = 2.718	Response = 68566680	
RT = 2.921	Response = 45991244	M
RT = 3.194	Response = 152701938	M
RT = 3.333	Response = 63491939	M
RT = 3.397	Response = 37743419	M
RT = 3.770	Response = 62791099	M
RT = 3.860	Response = 35727851	M



Manual Integration Results

RT = 2.360	Response = 34355594	
RT = 2.718	Response = 68566680	
RT = 2.921	Response = 45996304	M
RT = 3.194	Response = 152704226	M
RT = 3.333	Response = 63513802	M
RT = 3.397	Response = 37762753	M

Report Date: 19-Jun-2016 09:11:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329659.D

Injection Date: 17-Jun-2016 17:18:51 Instrument ID: CPESTGC11

Lims ID: IC PCB 3

Client ID:

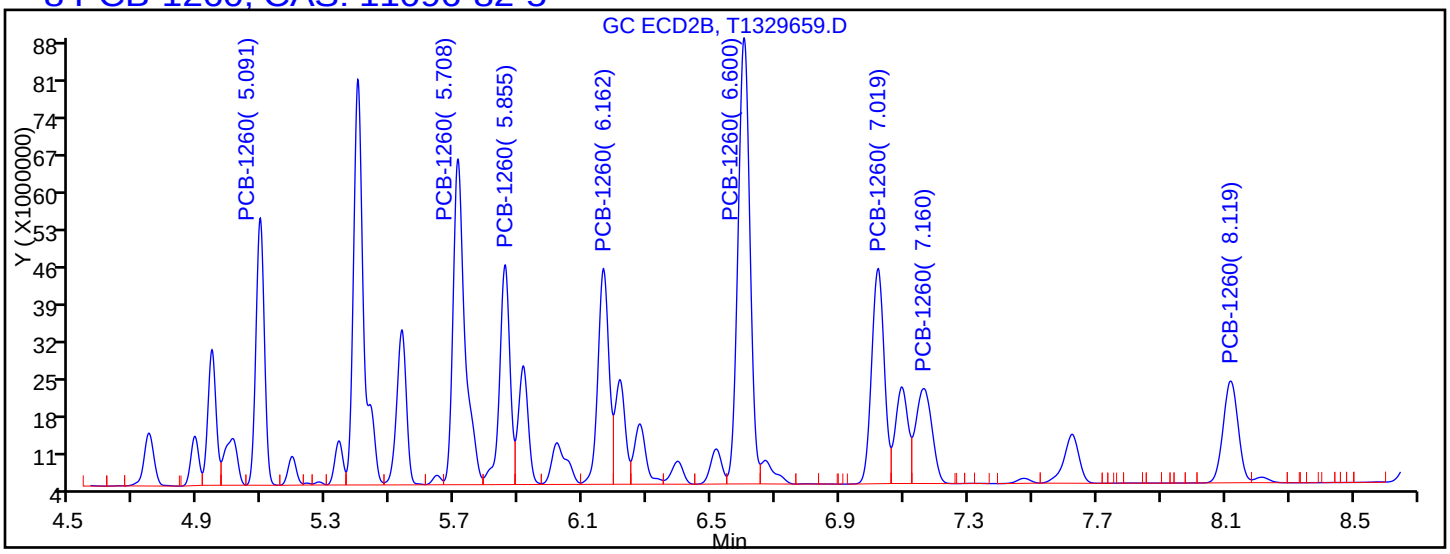
Operator ID: ALS Bottle#: 5 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

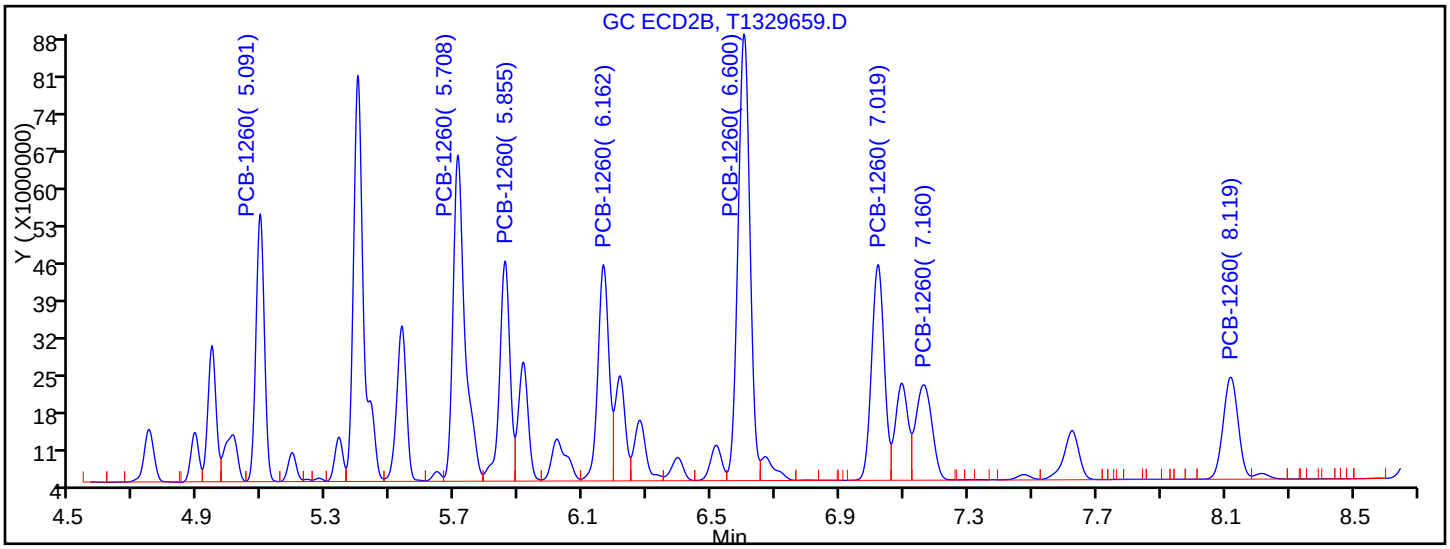
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.091	Response = 91911372	M
RT = 5.708	Response = 158778498	M
RT = 5.855	Response = 93818495	M
RT = 6.162	Response = 97248641	M
RT = 6.600	Response = 217745224	M
RT = 7.019	Response = 111271808	M
RT = 7.160	Response = 62810834	M
RT = 8.119	Response = 62338708	M



Manual Integration Results

RT = 5.091	Response = 92114022	M
RT = 5.708	Response = 159150615	M
RT = 5.855	Response = 94149722	M
RT = 6.162	Response = 97649532	M
RT = 6.600	Response = 218244310	M
RT = 7.019	Response = 111607561	M

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329660.D
Lims ID: IC PCB 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Jun-2016 17:33:23 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-005
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:18 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	48114337	20.0	20.0	
2	1.367	1.367	0.000	44543070	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.426	2.426	0.000	316646455	150.0	149.3	
2	1.999	1.999	0.000	292476987	150.0	146.3	
						RPD = 2.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.997	2.998	-0.001	58856970	1500.0	1488.0	
1	3.466	3.465	0.001	116217693	1500.0	1493.5	
1	3.739	3.738	0.001	48670211	1500.0	1436.4	M
1	3.986	3.985	0.001	237555906	1500.0	1496.0	M
1	4.142	4.142	0.000	99201310	1500.0	1481.9	M
1	4.384	4.384	0.000	52581109	1500.0	1527.8	M
1	4.683	4.684	-0.001	79442295	1500.0	1486.4	M
1	4.821	4.822	-0.001	89996046	1500.0	1522.7	M
		Average of Peak Amounts =				1491.6	
2	2.360	2.360	0.000	53669019	1500.0	1452.2	
2	2.717	2.718	-0.001	105872731	1500.0	1466.6	M
2	2.920	2.921	-0.001	71727205	1500.0	1488.3	M
2	3.194	3.194	0.000	236399127	1500.0	1473.8	M
2	3.332	3.333	-0.001	98100029	1500.0	1480.6	M
2	3.396	3.397	-0.001	58728292	1500.0	1435.2	M
2	3.771	3.770	0.001	97272346	1500.0	1448.3	M
2	3.860	3.860	0.000	55039601	1500.0	1468.5	M
		Average of Peak Amounts =				1464.2	
						RPD = 1.85	
8 PCB-1260							M
1	5.996	5.996	0.000	77203552	1500.0	1517.4	M
1	6.211	6.211	0.000	160164329	1500.0	1496.8	M
1	6.521	6.521	0.000	186376539	1500.0	1490.4	M
1	7.226	7.228	-0.002	150841048	1500.0	1500.0	M
1	7.736	7.735	0.001	165302329	1500.0	1490.9	M
1	8.231	8.230	0.001	347385866	1500.0	1492.1	M
1	8.964	8.960	0.004	254181707	1500.0	1458.0	M
1	9.979	9.979	0.000	95617467	1500.0	1482.3	
		Average of Peak Amounts =				1491.0	
2	5.090	5.091	-0.001	139556499	1500.0	1443.9	M
2	5.707	5.708	-0.001	239956000	1500.0	1437.2	M
2	5.855	5.855	0.000	141095517	1500.0	1386.2	M
2	6.162	6.162	0.000	146837674	1500.0	1420.8	M
2	6.601	6.600	0.001	329230507	1500.0	1437.0	M
2	7.019	7.019	0.000	168116758	1500.0	1425.5	M
2	7.161	7.160	0.001	95473729	1500.0	1420.1	M
2	8.119	8.119	0.000	95699032	1500.0	1446.2	
		Average of Peak Amounts =				1427.1	
						RPD = 4.38	
$ 11 DCB Decachlorobiphenyl							
1	10.542	10.542	0.000	250450560	150.0	145.5	
2	9.070	9.070	0.000	295435713	150.0	137.8	
						RPD = 5.46	
S 12 Polychlorinated biphenyls, Total							
1						2982.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

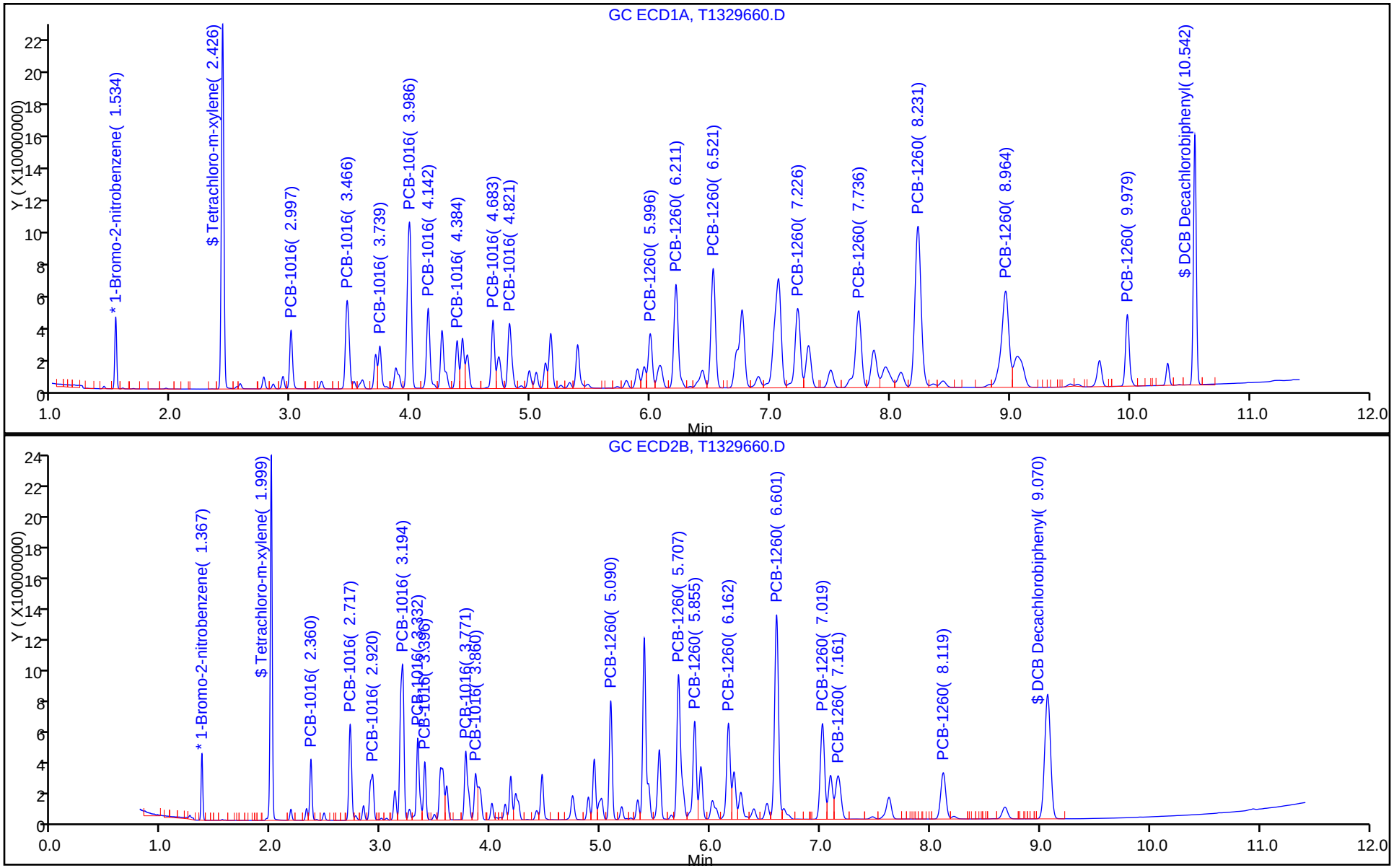
SG1660L4_00021	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329660.D

Injection Date:	17-Jun-2016 17:33:23	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:11:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329660.D

Injection Date: 17-Jun-2016 17:33:23 Instrument ID: CPESTGC11

Lims ID: IC PCB 4

Client ID:

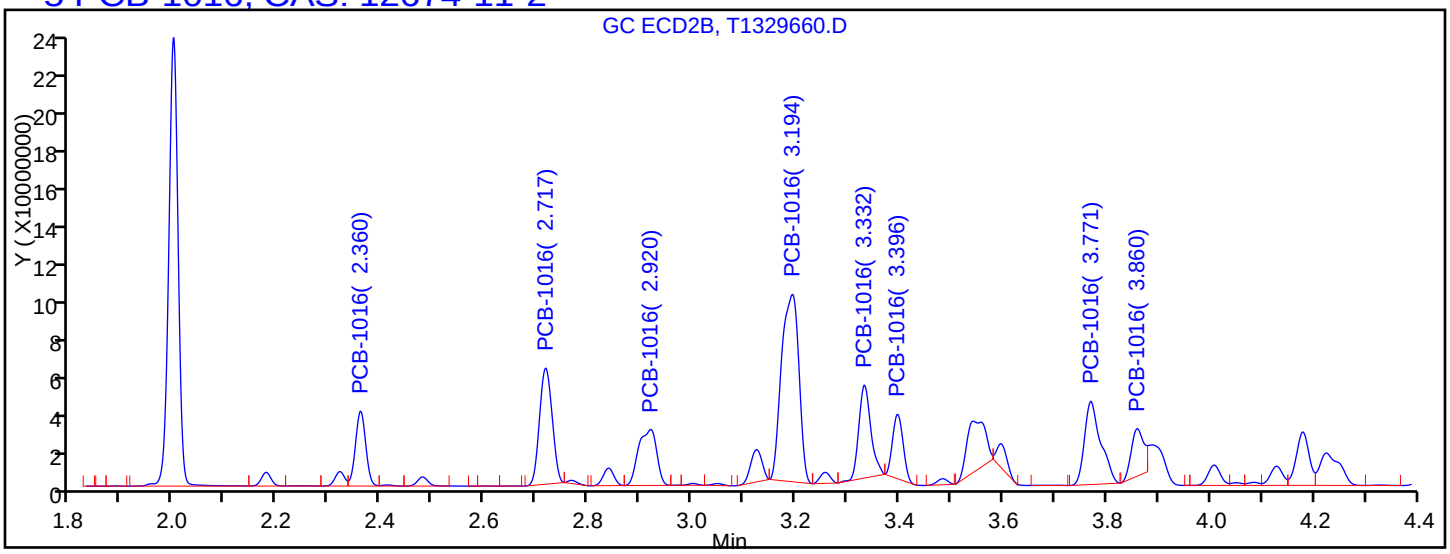
Operator ID: ALS Bottle#: 6 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

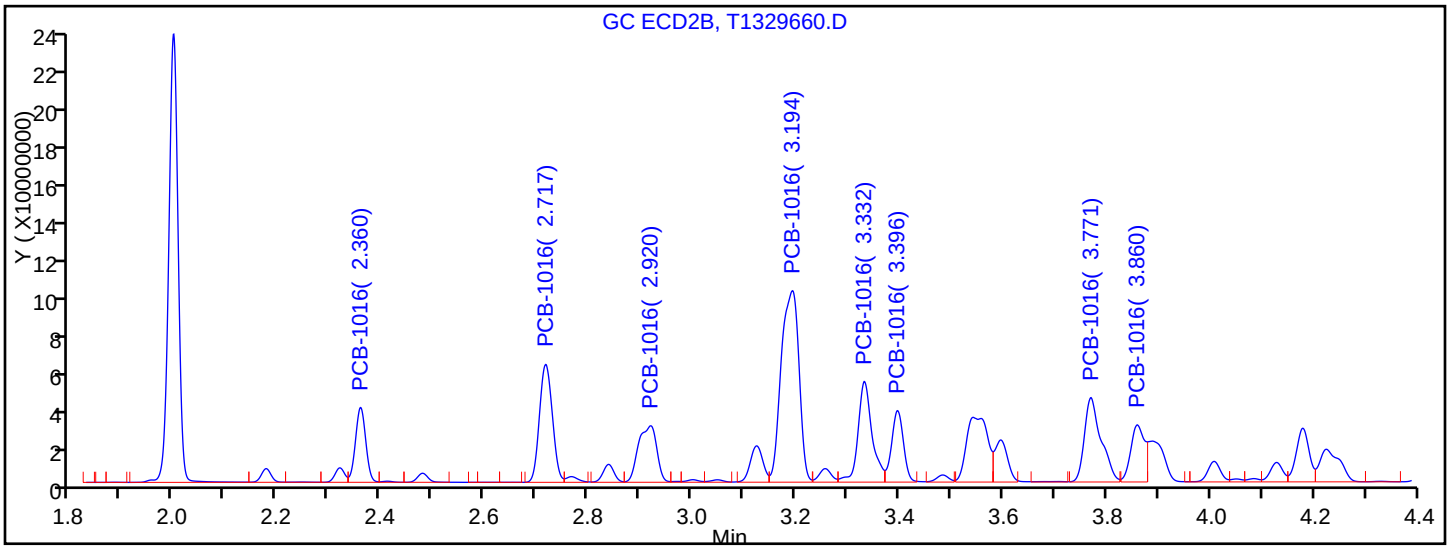
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.360	Response = 53669019	
RT = 2.717	Response = 101750035	M
RT = 2.920	Response = 70175704	M
RT = 3.194	Response = 225231312	M
RT = 3.332	Response = 77843192	M
RT = 3.396	Response = 47306081	M
RT = 3.771	Response = 93041556	M
RT = 3.860	Response = 41809700	M



Manual Integration Results

RT = 2.360	Response = 53669019	
RT = 2.717	Response = 105872731	M
RT = 2.920	Response = 71727205	M
RT = 3.194	Response = 236399127	M
RT = 3.332	Response = 98100029	M
RT = 3.396	Response = 58728292	M

Report Date: 19-Jun-2016 09:11:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329660.D

Injection Date: 17-Jun-2016 17:33:23 Instrument ID: CPESTGC11

Lims ID: IC PCB 4

Client ID:

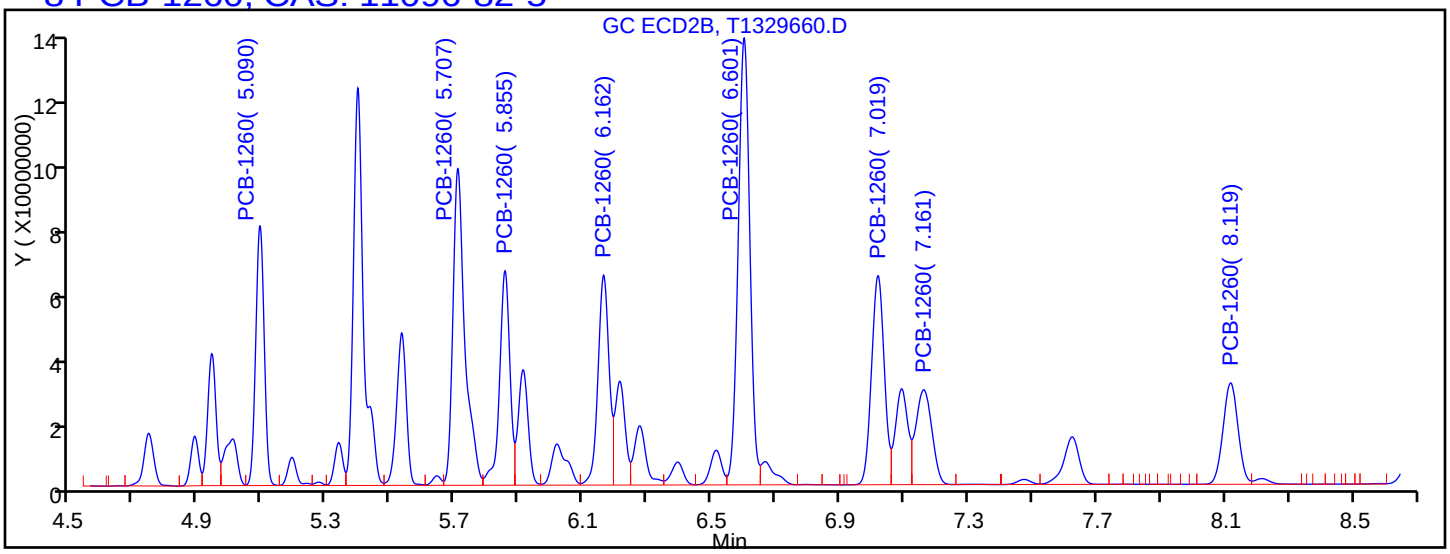
Operator ID: ALS Bottle#: 6 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

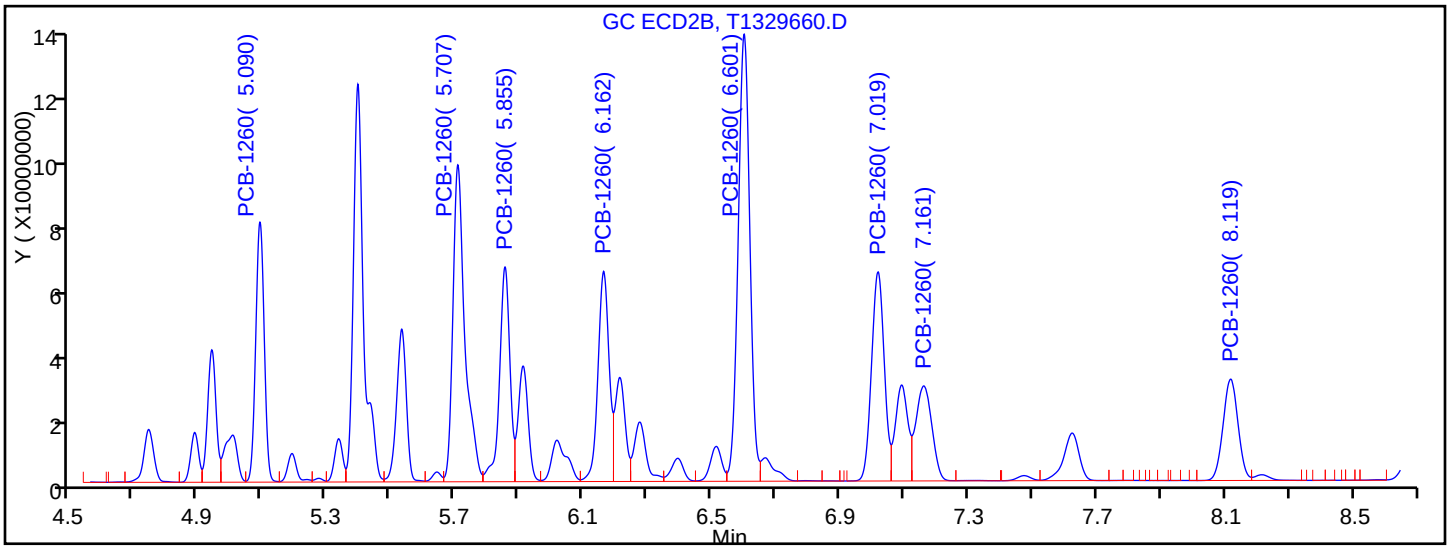
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.090	Response = 138828077	M
RT = 5.707	Response = 239308668	M
RT = 5.855	Response = 140583195	M
RT = 6.162	Response = 146364025	M
RT = 6.601	Response = 328834464	M
RT = 7.019	Response = 167876319	M
RT = 7.161	Response = 95238971	M
RT = 8.119	Response = 95699032	



Manual Integration Results

RT = 5.090	Response = 139556499	M
RT = 5.707	Response = 239956000	M
RT = 5.855	Response = 141095517	M
RT = 6.162	Response = 146837674	M
RT = 6.601	Response = 329230507	M
RT = 7.019	Response = 168116758	M

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329661.D
Lims ID: IC PCB 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Jun-2016 17:47:54 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-006
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:24 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.533	1.534	-0.001	48300680	20.0	20.0	
2	1.366	1.367	-0.001	45028249	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.426	2.426	0.000	426956448	200.0	200.6	
2	1.998	1.999	-0.001	398057397	200.0	196.9	M
						RPD = 1.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.997	2.998	-0.001	94368056	2500.0	2376.6	
1	3.466	3.465	0.001	188148070	2500.0	2408.5	
1	3.738	3.738	0.000	80291841	2500.0	2360.5	M
1	3.986	3.985	0.001	386108517	2500.0	2422.2	M
1	4.141	4.142	-0.001	160901993	2500.0	2394.3	M
1	4.383	4.384	-0.001	84995899	2500.0	2460.2	M
1	4.682	4.684	-0.002	128519270	2500.0	2395.4	M
1	4.821	4.822	-0.001	146139896	2500.0	2463.1	M
		Average of Peak Amounts =				2410.1	
2	2.359	2.360	-0.001	86409581	2500.0	2312.9	M
2	2.717	2.718	-0.001	171845426	2500.0	2354.8	M
2	2.920	2.921	-0.001	116753415	2500.0	2396.5	M
2	3.194	3.194	0.000	387264464	2500.0	2388.3	M
2	3.332	3.333	-0.001	160787056	2500.0	2400.6	M
2	3.396	3.397	-0.001	96036359	2500.0	2321.6	M
2	3.770	3.770	0.000	158885557	2500.0	2340.2	M
2	3.859	3.860	-0.001	91159231	2500.0	2406.0	M
		Average of Peak Amounts =				2365.1	
						RPD = 1.88	
8 PCB-1260							M
1	5.996	5.996	0.000	125996858	2500.0	2466.9	M
1	6.211	6.211	0.000	260766285	2500.0	2427.6	M
1	6.521	6.521	0.000	302059609	2500.0	2406.2	M
1	7.226	7.228	-0.002	244502543	2500.0	2422.1	M
1	7.735	7.735	0.000	268936894	2500.0	2416.2	M
1	8.229	8.230	-0.001	566902787	2500.0	2425.6	M
1	8.961	8.960	0.001	426186386	2500.0	2435.2	
1	9.978	9.979	-0.001	157407607	2500.0	2430.8	
		Average of Peak Amounts =				2428.8	
2	5.090	5.091	-0.001	227869318	2500.0	2332.2	
2	5.707	5.708	-0.001	394937801	2500.0	2340.0	
2	5.856	5.855	0.001	231805091	2500.0	2252.8	
2	6.162	6.162	0.000	240471545	2500.0	2301.7	
2	6.600	6.600	0.000	547674887	2500.0	2364.7	
2	7.018	7.019	-0.001	279865744	2500.0	2347.5	
2	7.160	7.160	0.000	158480502	2500.0	2331.9	
2	8.118	8.119	-0.001	159946733	2500.0	2391.1	
		Average of Peak Amounts =				2332.7	
						RPD = 4.04	
$ 11 DCB Decachlorobiphenyl							
1	10.541	10.542	-0.001	340655792	200.0	197.2	
2	9.069	9.070	-0.001	406125262	200.0	187.4	
						RPD = 5.09	
S 12 Polychlorinated biphenyls, Total							
1						4838.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

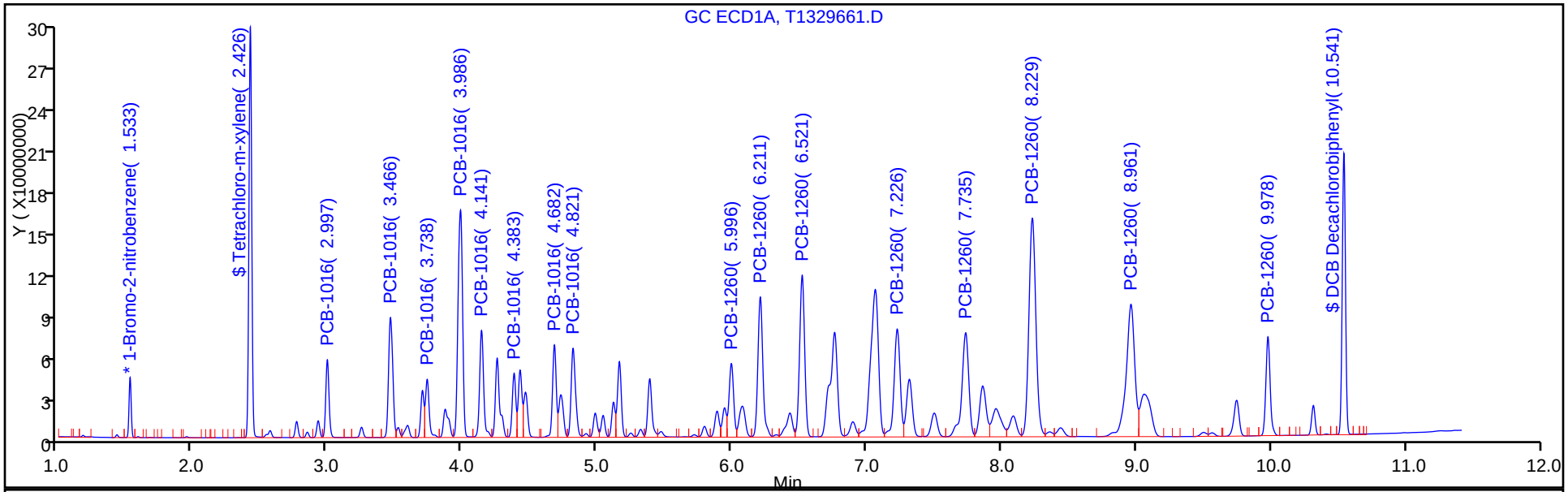
SG1660L5_00021	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

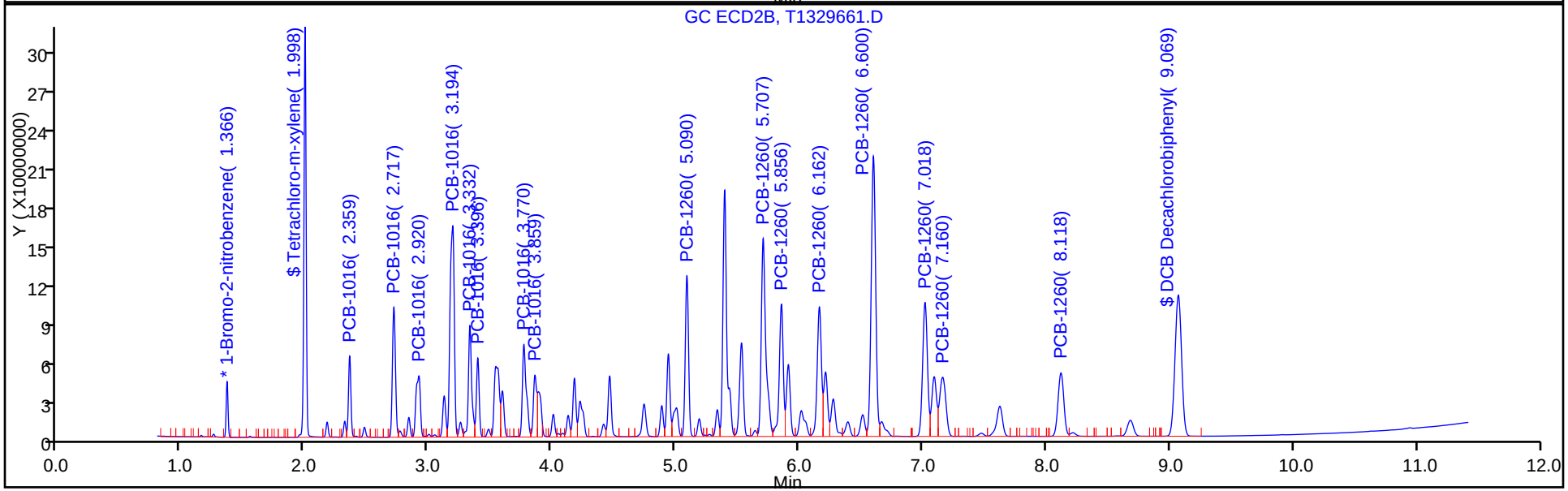
Report Date: 19-Jun-2016 09:11:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329661.D

Injection Date:	17-Jun-2016 17:47:54	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

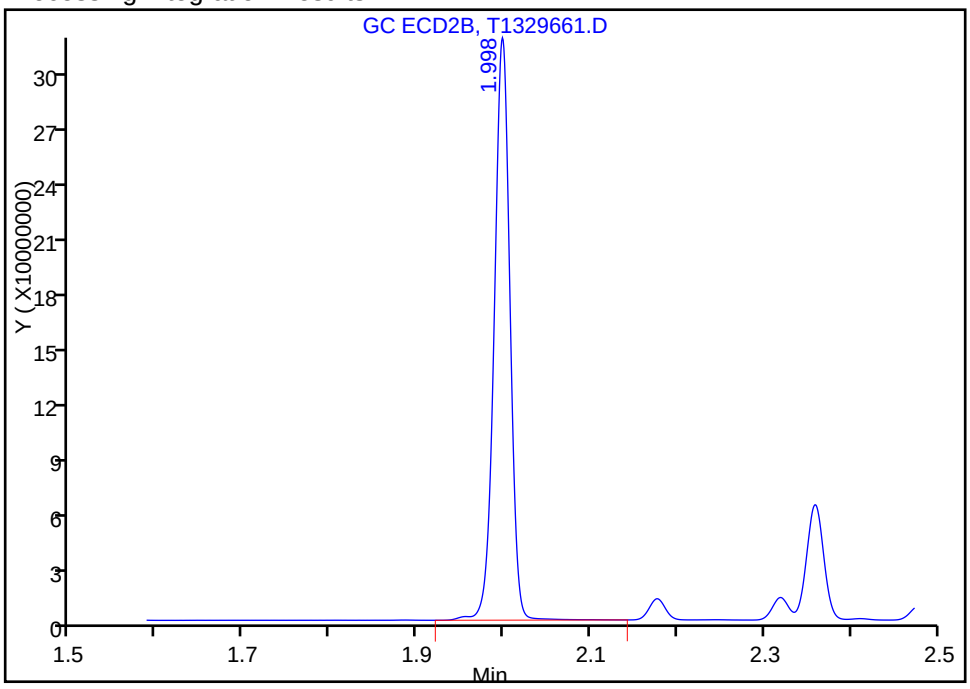
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329661.D				
Injection Date:	17-Jun-2016 17:47:54	Instrument ID:	CPESTGC11		
Lims ID:	IC PCB 5				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

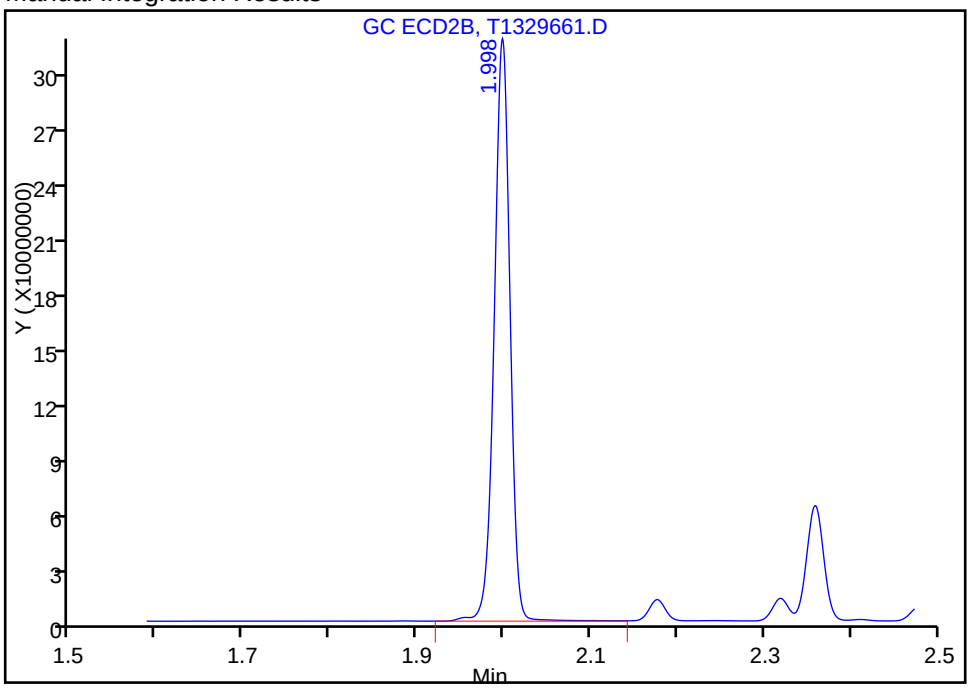
Processing Integration Results

RT: 2.00
Area: 396967256
Amount: 196.4912
Amount Units: ug/l



Manual Integration Results

RT: 2.00
Area: 398057397
Amount: 196.9246
Amount Units: ug/l



Reviewer: patelji, 19-Jun-2016 07:51:40

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 19-Jun-2016 09:11:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329661.D

Injection Date: 17-Jun-2016 17:47:54 Instrument ID: CPESTGC11

Lims ID: IC PCB 5

Client ID:

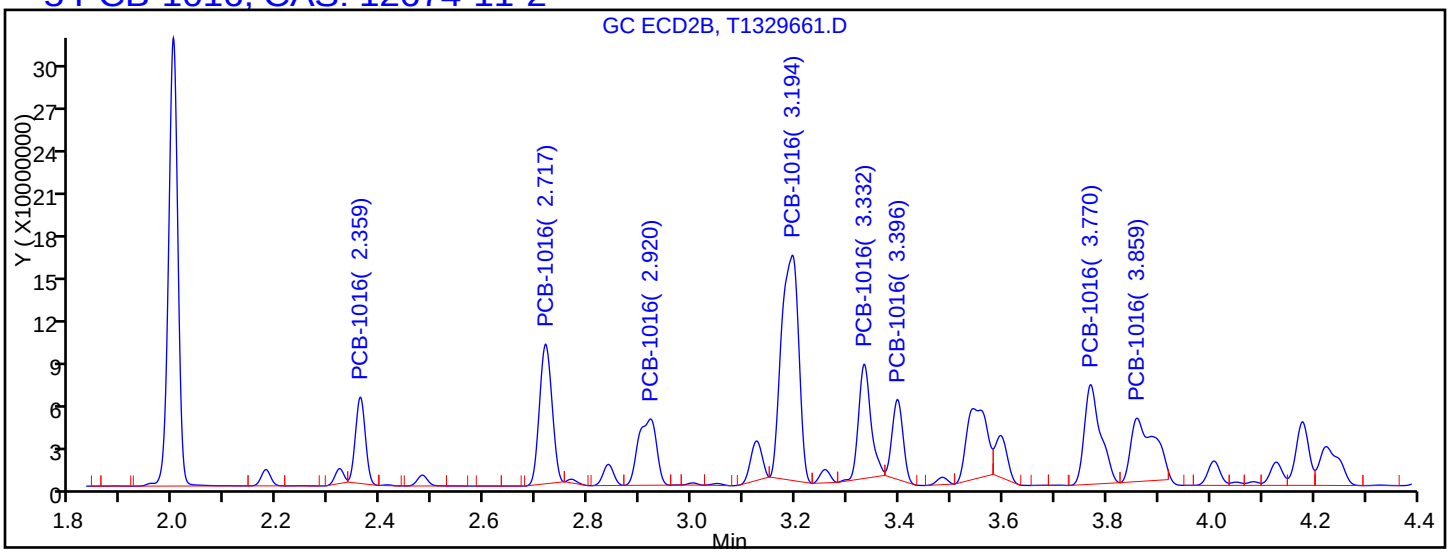
Operator ID: ALS Bottle#: 7 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

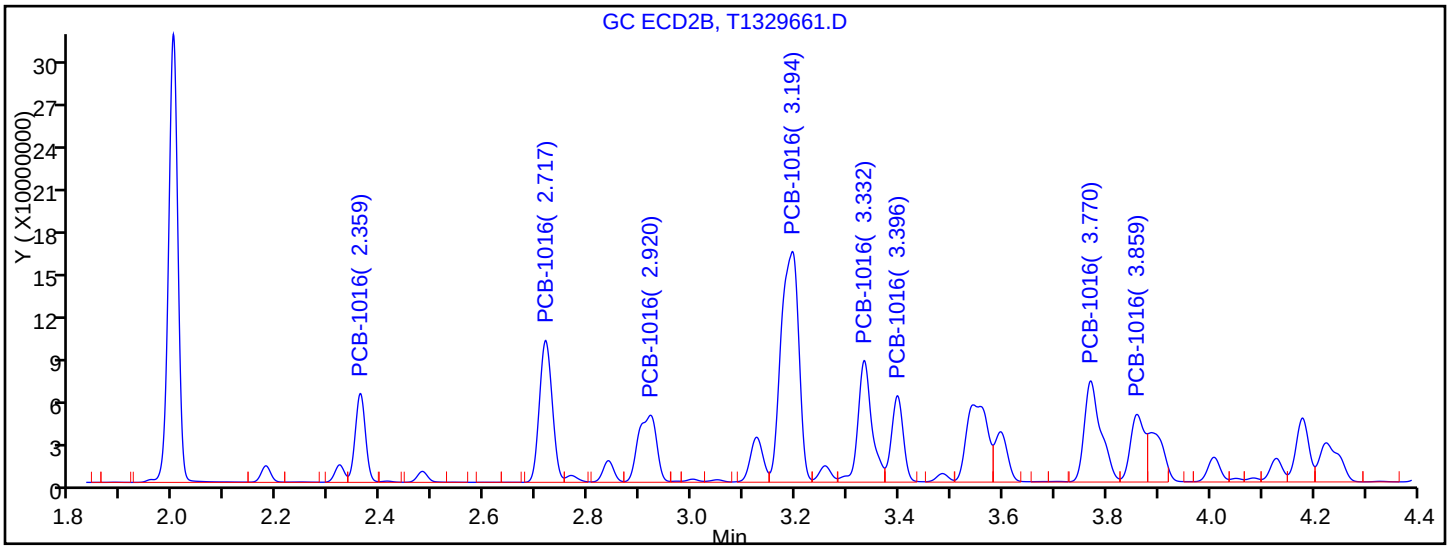
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.359	Response = 80598559	M
RT = 2.717	Response = 164914740	M
RT = 2.920	Response = 113887735	M
RT = 3.194	Response = 367320325	M
RT = 3.332	Response = 133934091	M
RT = 3.396	Response = 81939823	M
RT = 3.770	Response = 151779004	M
RT = 3.859	Response = 141168071	M



Manual Integration Results

RT = 2.359	Response = 86409581	M
RT = 2.717	Response = 171845426	M
RT = 2.920	Response = 116753415	M
RT = 3.194	Response = 387264464	M
RT = 3.332	Response = 160787056	M
RT = 3.396	Response = 96036359	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:16 Calibration End Date: 06/17/2016 18:16 Calibration ID: 56319

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/8	T1329663.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0065					Ave		0.0065						20.0			0.9900
PCB-1221 Peak 2	0.0094					Ave		0.0094						20.0			0.9900
PCB-1221 Peak 3	0.0061					Ave		0.0061						20.0			0.9900
PCB-1221 Peak 4	0.0226					Ave		0.0226						20.0			0.9900
PCB-1221 Peak 5	0.0032					Ave		0.0032						20.0			0.9900
PCB-1221 Peak 6	0.0046					Ave		0.0046						20.0			0.9900
PCB-1221 Peak 7	0.0023					Ave		0.0023						20.0			0.9900
PCB-1221 Peak 8	0.0013					Ave		0.0013						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:16 Calibration End Date: 06/17/2016 18:16 Calibration ID: 56319

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/8	T1329663.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	15836393					1000				
PCB-1221 Peak 2	BNB	Ave	23088253					1000				
PCB-1221 Peak 3	BNB	Ave	14916343					1000				
PCB-1221 Peak 4	BNB	Ave	55421553					1000				
PCB-1221 Peak 5	BNB	Ave	7771076					1000				
PCB-1221 Peak 6	BNB	Ave	11261788					1000				
PCB-1221 Peak 7	BNB	Ave	5587738					1000				
PCB-1221 Peak 8	BNB	Ave	3128515					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329663.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 18:16:53 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-008
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub3

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:41 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:55:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	49057396	20.0	20.0	
2	1.367	1.367	0.000	43079790	20.0	20.0	
						RPD = 0.00	
1 PCB-1221							
1	1.953	1.953	0.000	15836393	1000.0	1000.0	a
1	2.769	2.769	0.000	23088253	1000.0	1000.0	a
1	2.930	2.930	0.000	14916343	1000.0	1000.0	a
1	2.997	2.997	0.000	55421553	1000.0	1000.0	a
1	3.524	3.524	0.000	7771076	1000.0	1000.0	a
1	3.986	3.986	0.000	11261788	1000.0	1000.0	a
1	4.144	4.144	0.000	5587738	1000.0	1000.0	a
1	4.257	4.257	0.000	3128515	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	1.553	1.553	0.000	14025971	1000.0	1000.0	a
2	2.177	2.177	0.000	19947928	1000.0	1000.0	a
2	2.320	2.320	0.000	12488585	1000.0	1000.0	a
2	2.360	2.360	0.000	50139134	1000.0	1000.0	a
2	2.719	2.719	0.000	5025406	1000.0	1000.0	a
2	2.840	2.840	0.000	6991129	1000.0	1000.0	a
2	3.195	3.195	0.000	9438007	1000.0	1000.0	a
2	3.333	3.333	0.000	4289330	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

Reagents:

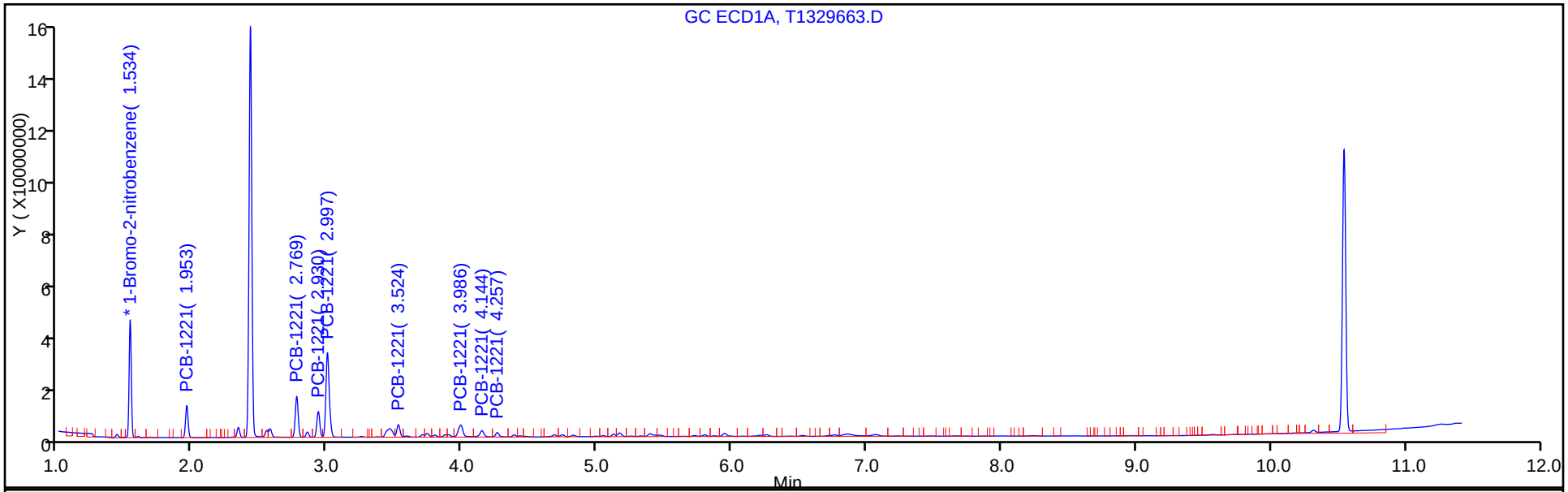
SG1221L3_00025	Amount Added: 1.00	Units: mL	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

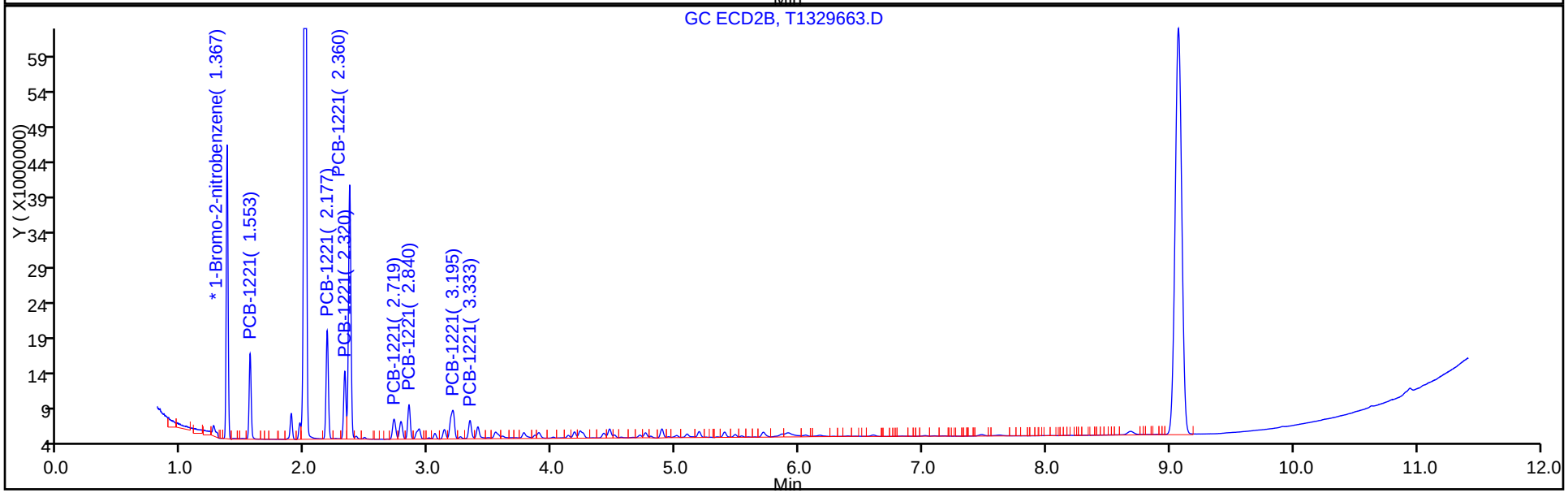
Report Date: 19-Jun-2016 09:11:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329663.D

Injection Date:	17-Jun-2016 18:16:53	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:16 Calibration End Date: 06/17/2016 18:16 Calibration ID: 56320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/8	T1329663.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0065					Ave		0.0065						20.0			0.9900
PCB-1221 Peak 2	0.0093					Ave		0.0093						20.0			0.9900
PCB-1221 Peak 3	0.0058					Ave		0.0058						20.0			0.9900
PCB-1221 Peak 4	0.0233					Ave		0.0233						20.0			0.9900
PCB-1221 Peak 5	0.0023					Ave		0.0023						20.0			0.9900
PCB-1221 Peak 6	0.0032					Ave		0.0032						20.0			0.9900
PCB-1221 Peak 7	0.0044					Ave		0.0044						20.0			0.9900
PCB-1221 Peak 8	0.0020					Ave		0.0020						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:16 Calibration End Date: 06/17/2016 18:16 Calibration ID: 56320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/8	T1329663.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	14025971					1000				
PCB-1221 Peak 2	BNB	Ave	19947928					1000				
PCB-1221 Peak 3	BNB	Ave	12488585					1000				
PCB-1221 Peak 4	BNB	Ave	50139134					1000				
PCB-1221 Peak 5	BNB	Ave	5025406					1000				
PCB-1221 Peak 6	BNB	Ave	6991129					1000				
PCB-1221 Peak 7	BNB	Ave	9438007					1000				
PCB-1221 Peak 8	BNB	Ave	4289330					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329663.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 18:16:53 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-008
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub3

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:41 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:55:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	49057396	20.0	20.0	
2	1.367	1.367	0.000	43079790	20.0	20.0	
						RPD = 0.00	
1 PCB-1221							
1	1.953	1.953	0.000	15836393	1000.0	1000.0	a
1	2.769	2.769	0.000	23088253	1000.0	1000.0	a
1	2.930	2.930	0.000	14916343	1000.0	1000.0	a
1	2.997	2.997	0.000	55421553	1000.0	1000.0	a
1	3.524	3.524	0.000	7771076	1000.0	1000.0	a
1	3.986	3.986	0.000	11261788	1000.0	1000.0	a
1	4.144	4.144	0.000	5587738	1000.0	1000.0	a
1	4.257	4.257	0.000	3128515	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	1.553	1.553	0.000	14025971	1000.0	1000.0	a
2	2.177	2.177	0.000	19947928	1000.0	1000.0	a
2	2.320	2.320	0.000	12488585	1000.0	1000.0	a
2	2.360	2.360	0.000	50139134	1000.0	1000.0	a
2	2.719	2.719	0.000	5025406	1000.0	1000.0	a
2	2.840	2.840	0.000	6991129	1000.0	1000.0	a
2	3.195	3.195	0.000	9438007	1000.0	1000.0	a
2	3.333	3.333	0.000	4289330	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

Reagents:

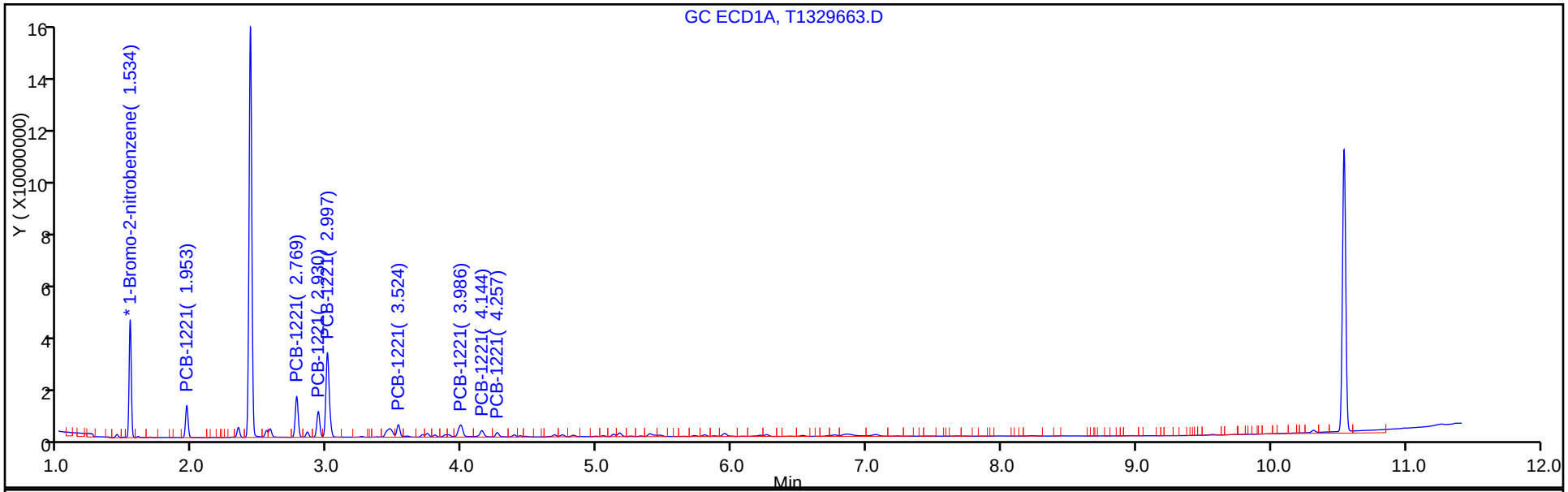
SG1221L3_00025	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

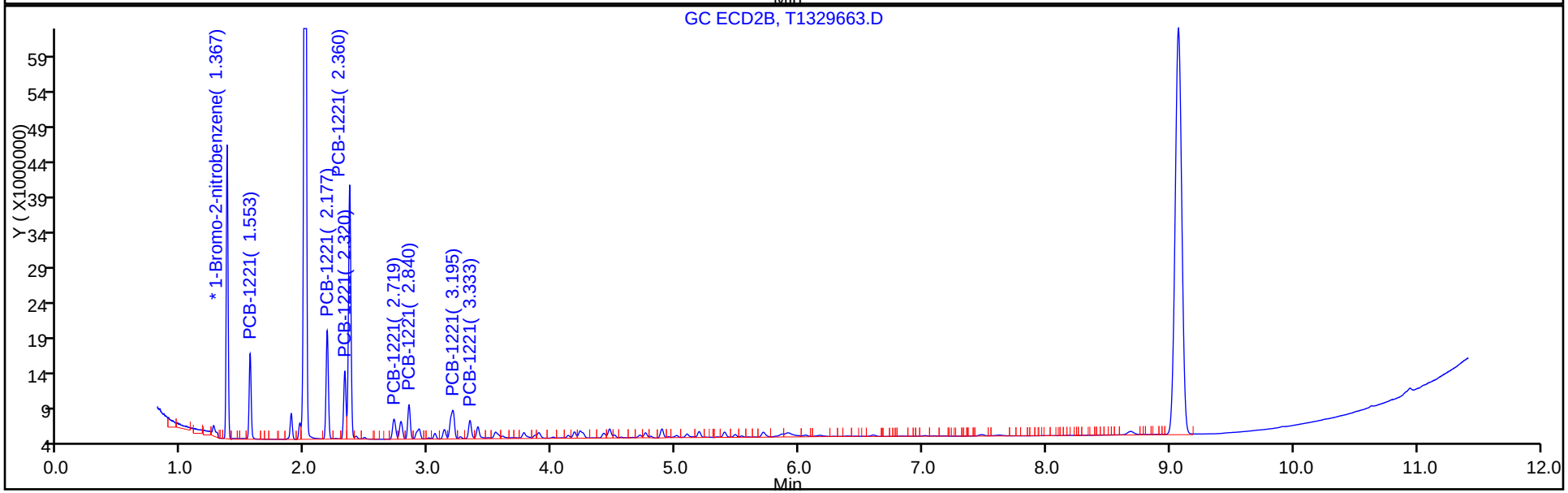
Report Date: 19-Jun-2016 09:11:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329663.D

Injection Date:	17-Jun-2016 18:16:53	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:31 Calibration End Date: 06/17/2016 18:31 Calibration ID: 56325

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/9	T1329664.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0210					Ave		0.0210						20.0			0.9900
PCB-1232 Peak 2	0.0169					Ave		0.0169						20.0			0.9900
PCB-1232 Peak 3	0.0064					Ave		0.0064						20.0			0.9900
PCB-1232 Peak 4	0.0323					Ave		0.0323						20.0			0.9900
PCB-1232 Peak 5	0.0136					Ave		0.0136						20.0			0.9900
PCB-1232 Peak 6	0.0102					Ave		0.0102						20.0			0.9900
PCB-1232 Peak 7	0.0100					Ave		0.0100						20.0			0.9900
PCB-1232 Peak 8	0.0113					Ave		0.0113						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:31 Calibration End Date: 06/17/2016 18:31 Calibration ID: 56325

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/9	T1329664.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	48899297					1000				
PCB-1232 Peak 2	BNB	Ave	39454974					1000				
PCB-1232 Peak 3	BNB	Ave	14992024					1000				
PCB-1232 Peak 4	BNB	Ave	75406138					1000				
PCB-1232 Peak 5	BNB	Ave	31631999					1000				
PCB-1232 Peak 6	BNB	Ave	23802440					1000				
PCB-1232 Peak 7	BNB	Ave	23259576					1000				
PCB-1232 Peak 8	BNB	Ave	26463577					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329664.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 18:31:23 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-009
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub4

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:47 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:59:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	46662355	20.0	20.0	
2	1.368	1.368	0.000	41416689	20.0	20.0	
						RPD = 0.00	
3 PCB-1232							M
1	2.998	2.998	0.000	48899297	1000.0	1000.0	a
1	3.465	3.465	0.000	39454974	1000.0	1000.0	a
1	3.739	3.739	0.000	14992024	1000.0	1000.0	a
1	3.986	3.986	0.000	75406138	1000.0	1000.0	a
1	4.142	4.142	0.000	31631999	1000.0	1000.0	a
1	4.683	4.683	0.000	23802440	1000.0	1000.0	a
1	5.121	5.121	0.000	23259576	1000.0	1000.0	a
1	5.169	5.169	0.000	26463577	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	2.360	2.360	0.000	45103474	1000.0	1000.0	a
2	2.718	2.718	0.000	34140860	1000.0	1000.0	M
2	2.921	2.921	0.000	22896111	1000.0	1000.0	M
2	3.194	3.194	0.000	74849966	1000.0	1000.0	M
2	3.334	3.334	0.000	30842670	1000.0	1000.0	M
2	3.771	3.771	0.000	28528908	1000.0	1000.0	M
2	4.226	4.226	0.000	44087632	1000.0	1000.0	M
2	4.459	4.459	0.000	16628368	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

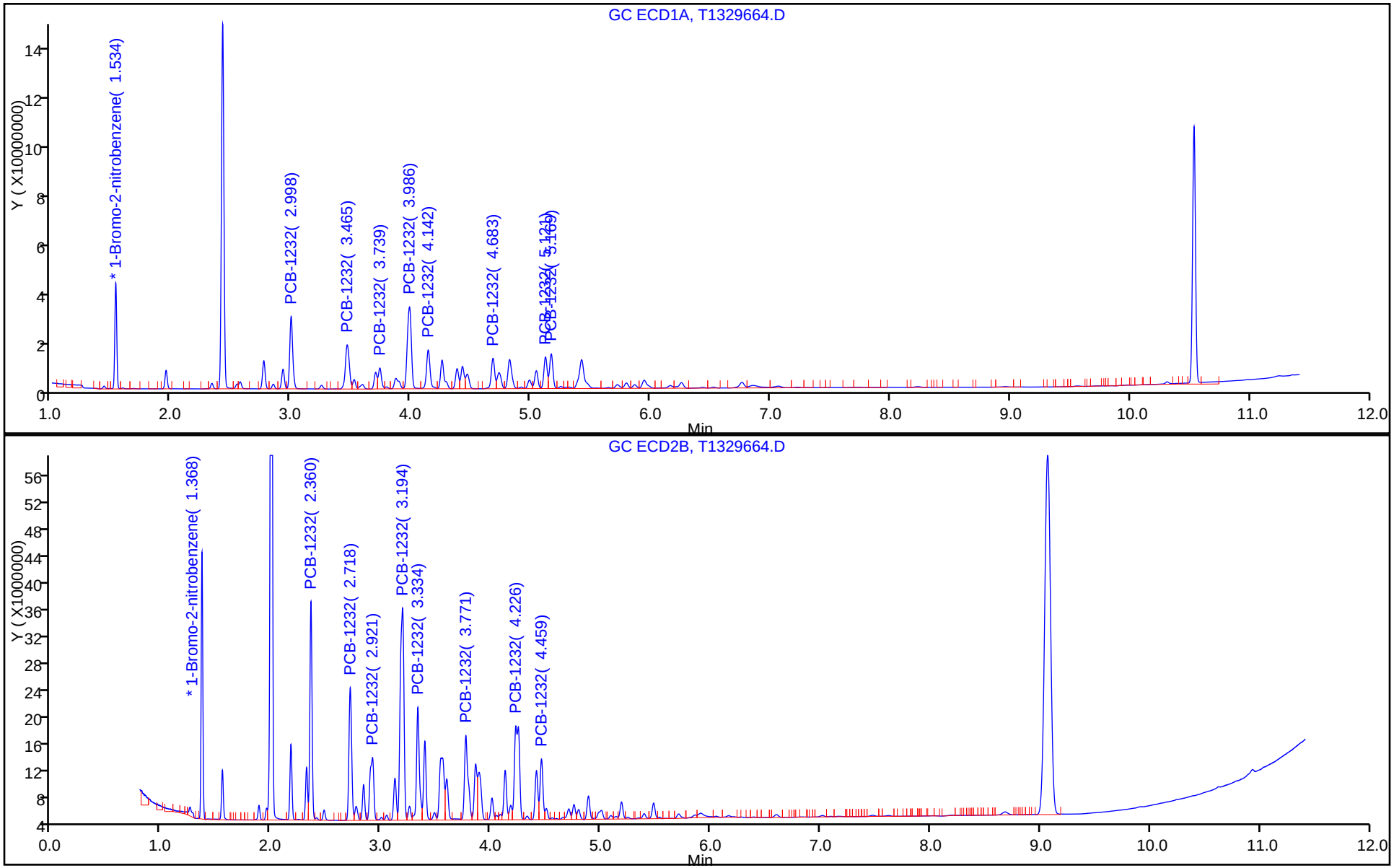
SG1232L3_00024	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329664.D

Injection Date:	17-Jun-2016 18:31:23	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:31 Calibration End Date: 06/17/2016 18:31 Calibration ID: 56326

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/9	T1329664.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0218					Ave		0.0218						20.0			0.9900
PCB-1232 Peak 2	0.0165					Ave		0.0165						20.0			0.9900
PCB-1232 Peak 3	0.0111					Ave		0.0111						20.0			0.9900
PCB-1232 Peak 4	0.0361					Ave		0.0361						20.0			0.9900
PCB-1232 Peak 5	0.0149					Ave		0.0149						20.0			0.9900
PCB-1232 Peak 6	0.0138					Ave		0.0138						20.0			0.9900
PCB-1232 Peak 7	0.0213					Ave		0.0213						20.0			0.9900
PCB-1232 Peak 8	0.0080					Ave		0.0080						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:31 Calibration End Date: 06/17/2016 18:31 Calibration ID: 56326

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/9	T1329664.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	45103474					1000				
PCB-1232 Peak 2	BNB	Ave	34140860					1000				
PCB-1232 Peak 3	BNB	Ave	22896111					1000				
PCB-1232 Peak 4	BNB	Ave	74849966					1000				
PCB-1232 Peak 5	BNB	Ave	30842670					1000				
PCB-1232 Peak 6	BNB	Ave	28528908					1000				
PCB-1232 Peak 7	BNB	Ave	44087632					1000				
PCB-1232 Peak 8	BNB	Ave	16628368					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329664.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 18:31:23 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-009
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub4

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:47 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:59:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	46662355	20.0	20.0	
2	1.368	1.368	0.000	41416689	20.0	20.0	
						RPD = 0.00	
3 PCB-1232							M
1	2.998	2.998	0.000	48899297	1000.0	1000.0	a
1	3.465	3.465	0.000	39454974	1000.0	1000.0	a
1	3.739	3.739	0.000	14992024	1000.0	1000.0	a
1	3.986	3.986	0.000	75406138	1000.0	1000.0	a
1	4.142	4.142	0.000	31631999	1000.0	1000.0	a
1	4.683	4.683	0.000	23802440	1000.0	1000.0	a
1	5.121	5.121	0.000	23259576	1000.0	1000.0	a
1	5.169	5.169	0.000	26463577	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	2.360	2.360	0.000	45103474	1000.0	1000.0	a
2	2.718	2.718	0.000	34140860	1000.0	1000.0	M
2	2.921	2.921	0.000	22896111	1000.0	1000.0	M
2	3.194	3.194	0.000	74849966	1000.0	1000.0	M
2	3.334	3.334	0.000	30842670	1000.0	1000.0	M
2	3.771	3.771	0.000	28528908	1000.0	1000.0	M
2	4.226	4.226	0.000	44087632	1000.0	1000.0	M
2	4.459	4.459	0.000	16628368	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

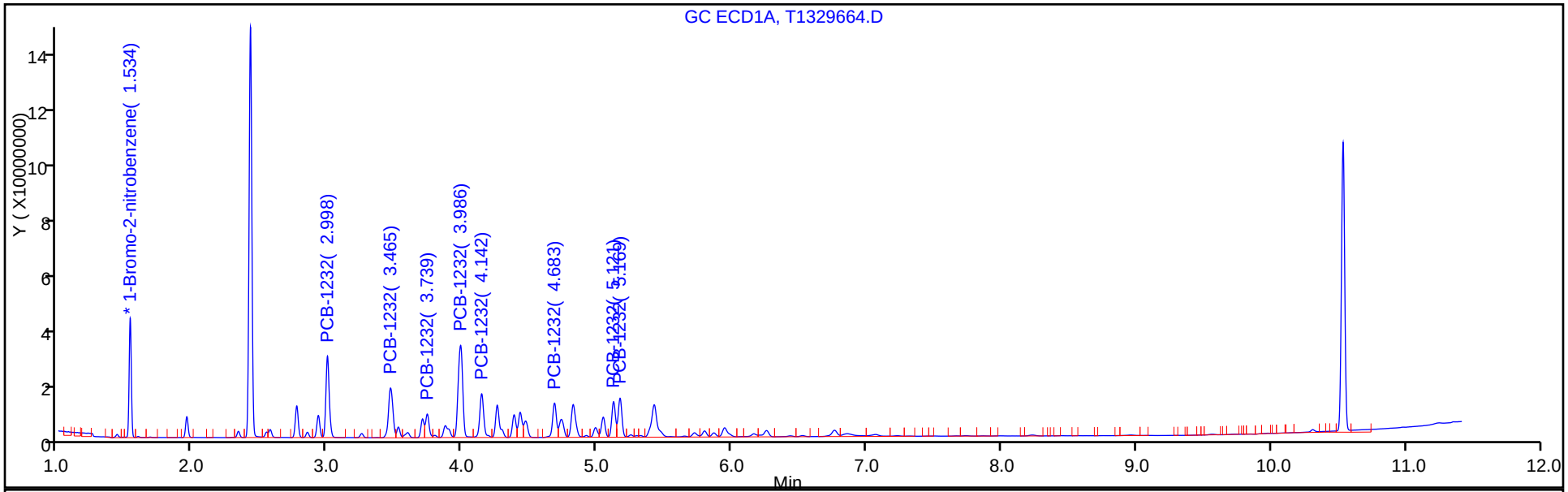
SG1232L3_00024	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

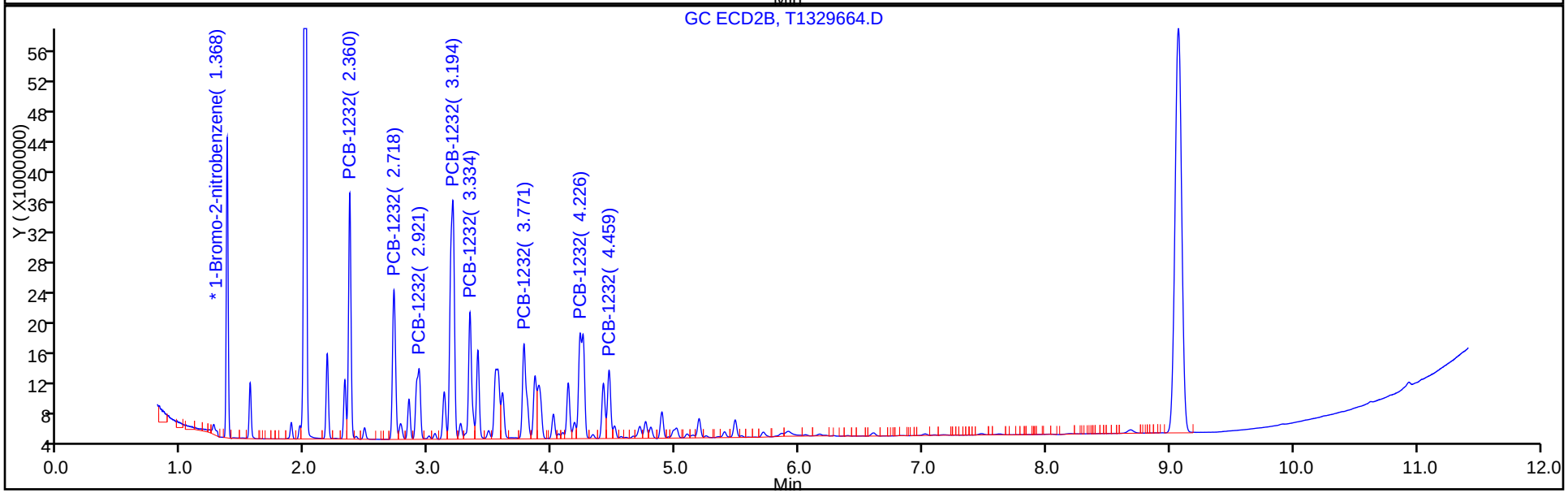
Report Date: 19-Jun-2016 09:11:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329664.D

Injection Date:	17-Jun-2016 18:31:23	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 19-Jun-2016 09:11:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329664.D

Injection Date: 17-Jun-2016 18:31:23 Instrument ID: CPESTGC11

Lims ID: IC 1232

Client ID:

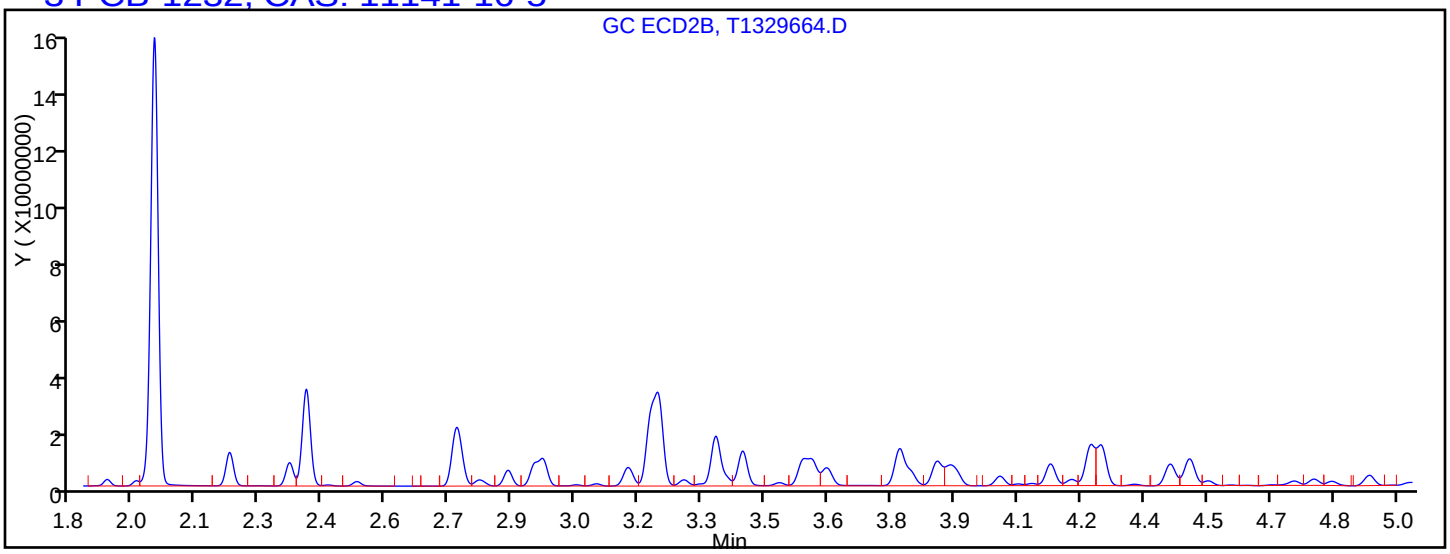
Operator ID: ALS Bottle#: 10 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

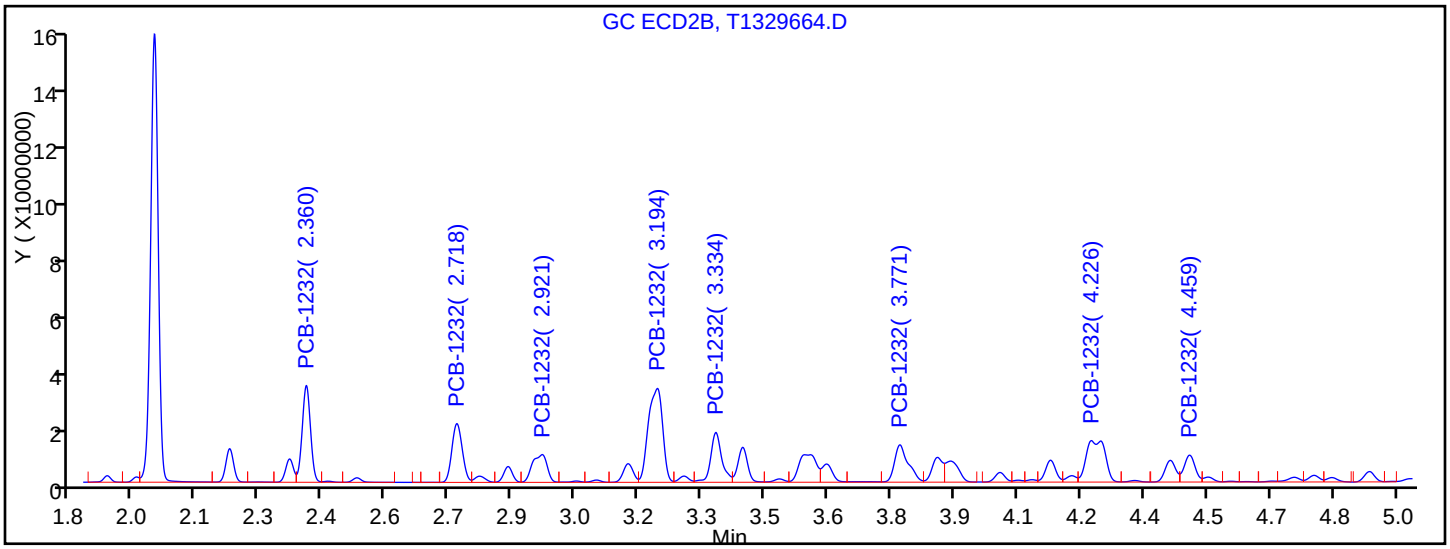
Column: Detector GC ECD2B

3 PCB-1232, CAS: 11141-16-5



Processing Integration Results

RT = 2.320	Response = 10244636	M
RT = 2.662	Response = 27827	M
RT = 2.839	Response = 7627213	M
RT = 3.124	Response = 10414220	M
RT = 3.258	Response = 3346314	M
RT = 3.674	Response = 555578	M
RT = 4.179	Response = 3401382	M
RT = 4.414	Response = 12870545	M



Manual Integration Results

RT = 2.360	Response = 45103474	M
RT = 2.718	Response = 34140860	M
RT = 2.921	Response = 22896111	M
RT = 3.194	Response = 74849966	M
RT = 3.334	Response = 30842670	M
RT = 3.771	Response = 28528908	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:45 Calibration End Date: 06/17/2016 18:45 Calibration ID: 56331

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/10	T1329665.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0144					Ave		0.0144						20.0			0.9900
PCB-1242 Peak 2	0.0283					Ave		0.0283						20.0			0.9900
PCB-1242 Peak 3	0.0113					Ave		0.0113						20.0			0.9900
PCB-1242 Peak 4	0.0574					Ave		0.0574						20.0			0.9900
PCB-1242 Peak 5	0.0241					Ave		0.0241						20.0			0.9900
PCB-1242 Peak 6	0.0223					Ave		0.0223						20.0			0.9900
PCB-1242 Peak 7	0.0200					Ave		0.0200						20.0			0.9900
PCB-1242 Peak 8	0.0224					Ave		0.0224						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:45 Calibration End Date: 06/17/2016 18:45 Calibration ID: 56331

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/10	T1329665.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	37524106					1000				
PCB-1242 Peak 2	BNB	Ave	73575017					1000				
PCB-1242 Peak 3	BNB	Ave	29503886					1000				
PCB-1242 Peak 4	BNB	Ave	149210359					1000				
PCB-1242 Peak 5	BNB	Ave	62602682					1000				
PCB-1242 Peak 6	BNB	Ave	57937524					1000				
PCB-1242 Peak 7	BNB	Ave	52106940					1000				
PCB-1242 Peak 8	BNB	Ave	58111849					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329665.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 18:45:54 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-010
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub5

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:53 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:01:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	51996898	20.0	20.0	
2	1.367	1.367	0.000	47857031	20.0	20.0	
						RPD = 0.00	
4 PCB-1242							M
1	2.997	2.997	0.000	37524106	1000.0	1000.0	a
1	3.466	3.466	0.000	73575017	1000.0	1000.0	a
1	3.738	3.738	0.000	29503886	1000.0	1000.0	M
1	3.986	3.986	0.000	149210359	1000.0	1000.0	M
1	4.141	4.141	0.000	62602682	1000.0	1000.0	M
1	4.822	4.822	0.000	57937524	1000.0	1000.0	M
1	5.121	5.121	0.000	52106940	1000.0	1000.0	M
1	5.170	5.170	0.000	58111849	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.360	2.360	0.000	34667503	1000.0	1000.0	a
2	2.717	2.717	0.000	67998895	1000.0	1000.0	a
2	2.921	2.921	0.000	45393572	1000.0	1000.0	M
2	3.194	3.194	0.000	149614498	1000.0	1000.0	M
2	3.333	3.333	0.000	62126228	1000.0	1000.0	M
2	3.771	3.771	0.000	62499833	1000.0	1000.0	M
2	4.226	4.226	0.000	98728952	1000.0	1000.0	M
2	4.460	4.460	0.000	38582618	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

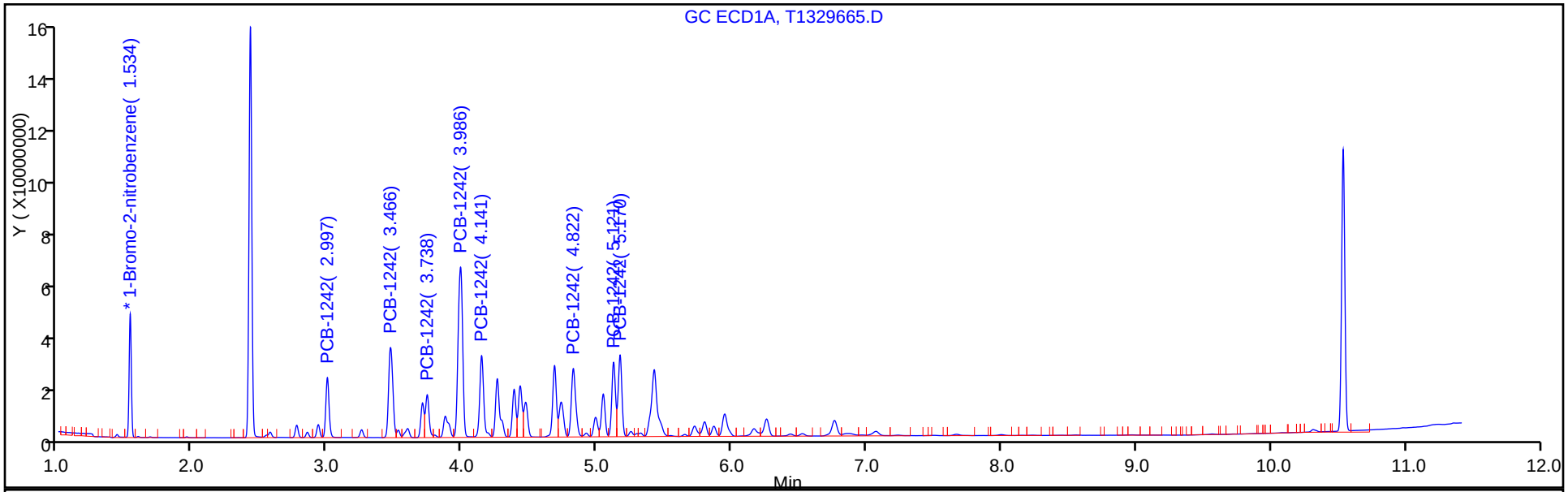
SG1242L3_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

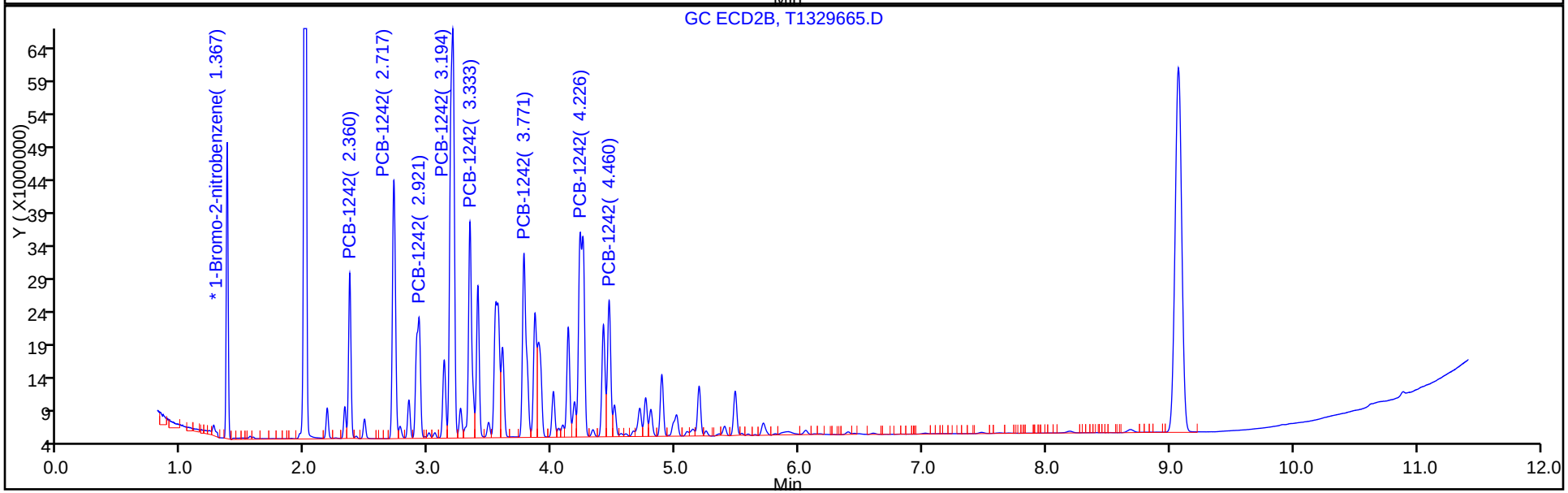
Report Date: 19-Jun-2016 09:11:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329665.D

Injection Date:	17-Jun-2016 18:45:54	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





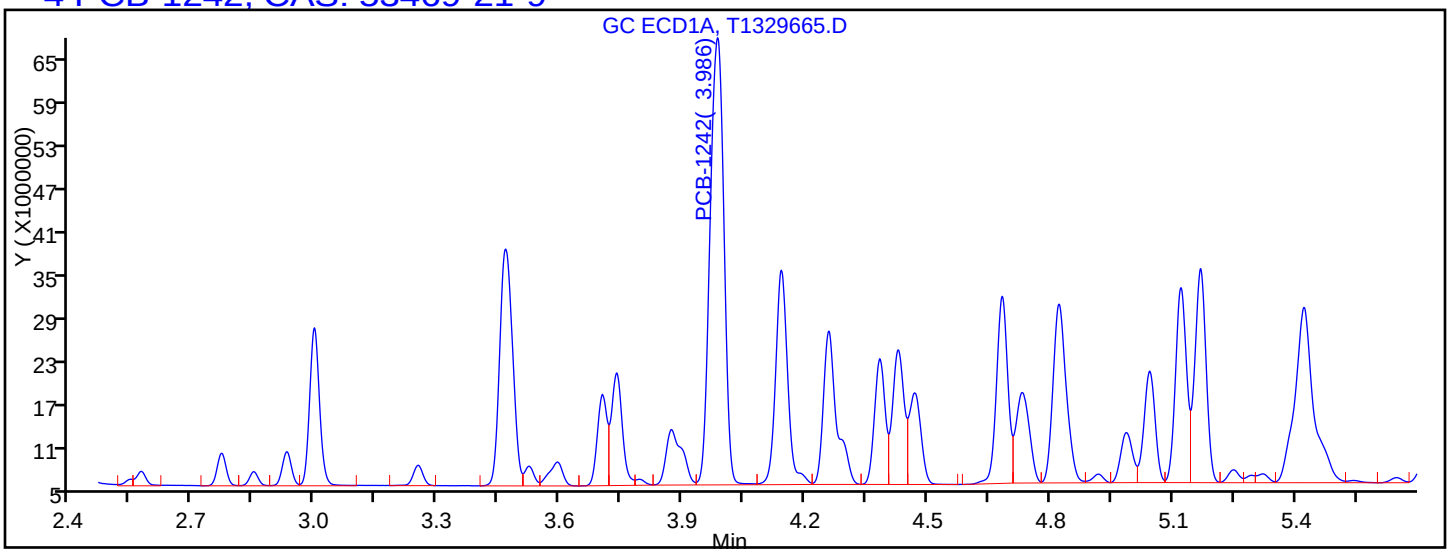
Report Date: 19-Jun-2016 09:11:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329665.D

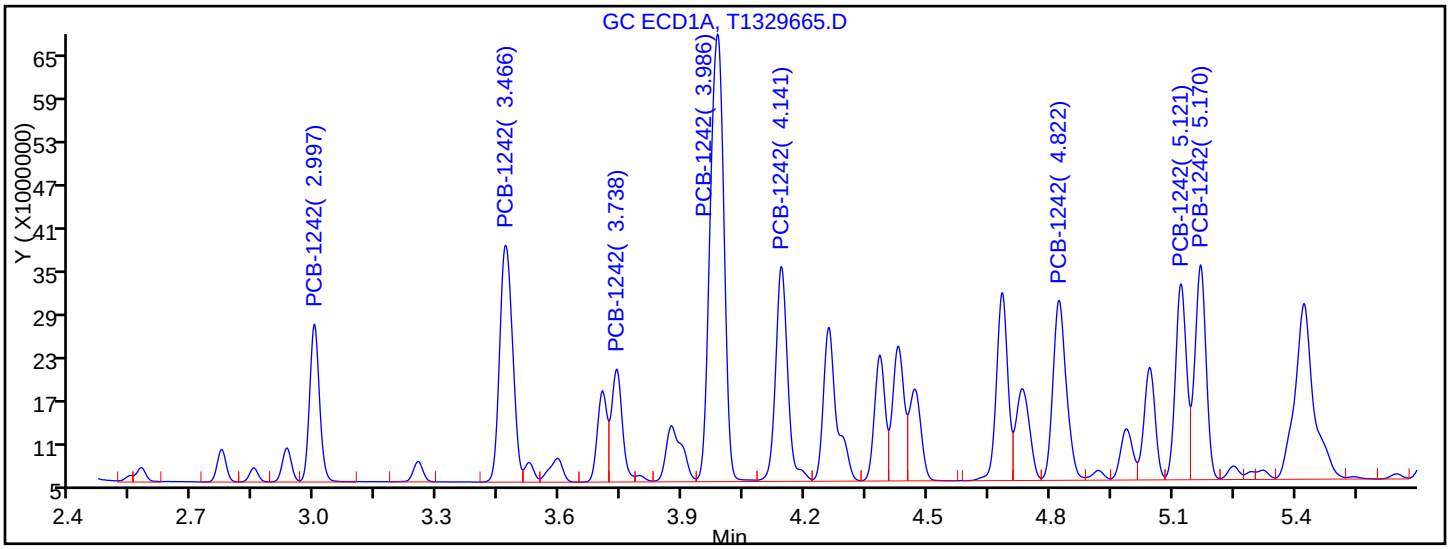
Injection Date:	17-Jun-2016 18:45:54	Instrument ID:	CPESTGC11
Lims ID:	IC 1242		
Client ID:			
Operator ID:		ALS Bottle#:	11 Worklist Smp#: 10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD
Column:		Detector	GC ECD1A

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 3.523	Response = 4432307	M
RT = 3.793	Response = 1273907	M
RT = 3.986	Response = 148592438	M
RT = 4.258	Response = 49055697	M
RT = 4.920	Response = 2204186	M
RT = 5.170	Response = 57651947	M
RT = 5.251	Response = 3408747	M



Manual Integration Results

RT = 2.997	Response = 37524106	M
RT = 3.466	Response = 73575017	M
RT = 3.738	Response = 29503886	M
RT = 3.986	Response = 149210359	M
RT = 4.141	Response = 62602682	M
RT = 4.822	Response = 57937524	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:45 Calibration End Date: 06/17/2016 18:45 Calibration ID: 56332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/10	T1329665.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0145					Ave		0.0145						20.0			0.9900
PCB-1242 Peak 2	0.0284					Ave		0.0284						20.0			0.9900
PCB-1242 Peak 3	0.0190					Ave		0.0190						20.0			0.9900
PCB-1242 Peak 4	0.0625					Ave		0.0625						20.0			0.9900
PCB-1242 Peak 5	0.0260					Ave		0.0260						20.0			0.9900
PCB-1242 Peak 6	0.0261					Ave		0.0261						20.0			0.9900
PCB-1242 Peak 7	0.0413					Ave		0.0413						20.0			0.9900
PCB-1242 Peak 8	0.0161					Ave		0.0161						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 18:45 Calibration End Date: 06/17/2016 18:45 Calibration ID: 56332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/10	T1329665.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	34667503					1000				
PCB-1242 Peak 2	BNB	Ave	67998895					1000				
PCB-1242 Peak 3	BNB	Ave	45393572					1000				
PCB-1242 Peak 4	BNB	Ave	149614498					1000				
PCB-1242 Peak 5	BNB	Ave	62126228					1000				
PCB-1242 Peak 6	BNB	Ave	62499833					1000				
PCB-1242 Peak 7	BNB	Ave	98728952					1000				
PCB-1242 Peak 8	BNB	Ave	38582618					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329665.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 18:45:54 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-010
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub5

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:53 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:01:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	51996898	20.0	20.0	
2	1.367	1.367	0.000	47857031	20.0	20.0	
						RPD = 0.00	
4 PCB-1242							M
1	2.997	2.997	0.000	37524106	1000.0	1000.0	a
1	3.466	3.466	0.000	73575017	1000.0	1000.0	a
1	3.738	3.738	0.000	29503886	1000.0	1000.0	M
1	3.986	3.986	0.000	149210359	1000.0	1000.0	M
1	4.141	4.141	0.000	62602682	1000.0	1000.0	M
1	4.822	4.822	0.000	57937524	1000.0	1000.0	M
1	5.121	5.121	0.000	52106940	1000.0	1000.0	M
1	5.170	5.170	0.000	58111849	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.360	2.360	0.000	34667503	1000.0	1000.0	a
2	2.717	2.717	0.000	67998895	1000.0	1000.0	a
2	2.921	2.921	0.000	45393572	1000.0	1000.0	M
2	3.194	3.194	0.000	149614498	1000.0	1000.0	M
2	3.333	3.333	0.000	62126228	1000.0	1000.0	M
2	3.771	3.771	0.000	62499833	1000.0	1000.0	M
2	4.226	4.226	0.000	98728952	1000.0	1000.0	M
2	4.460	4.460	0.000	38582618	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

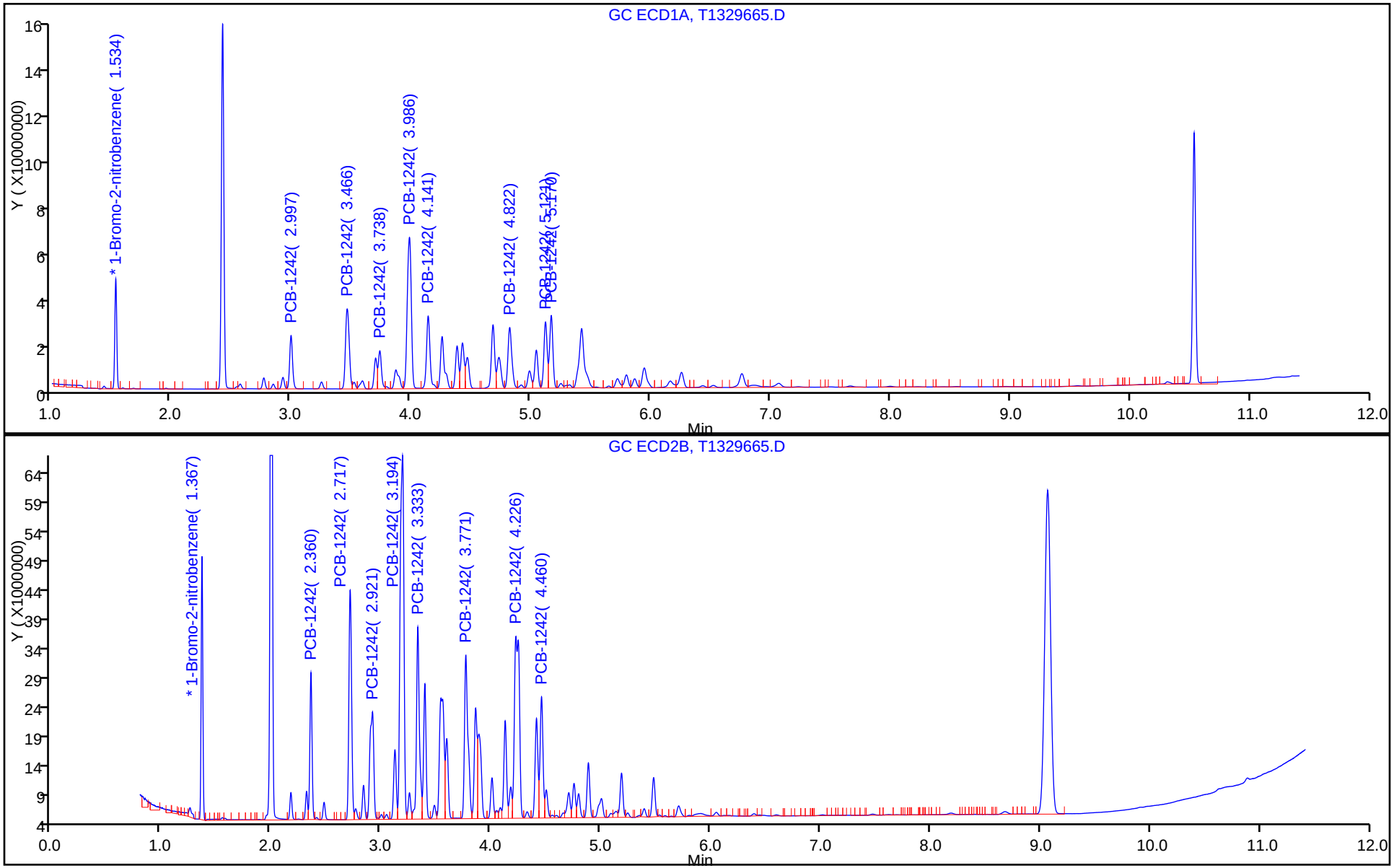
SG1242L3_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:56 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329665.D

Injection Date:	17-Jun-2016 18:45:54	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:11:56 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329665.D

Injection Date: 17-Jun-2016 18:45:54 Instrument ID: CPESTGC11

Lims ID: IC 1242

Client ID:

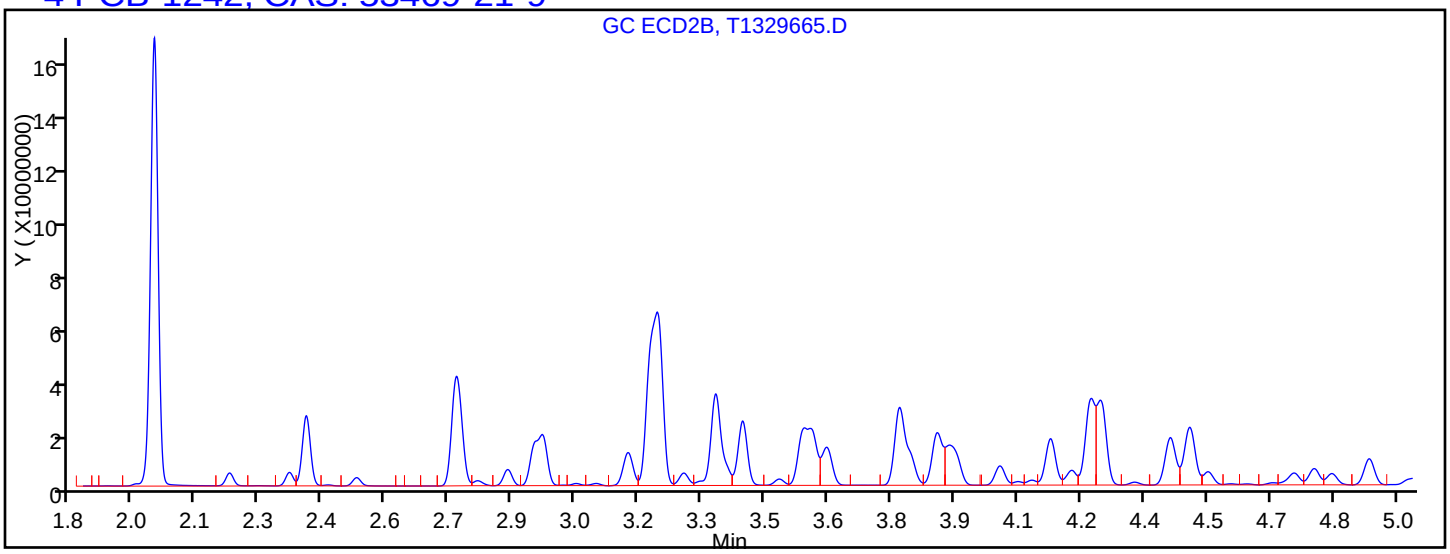
Operator ID: ALS Bottle#: 11 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

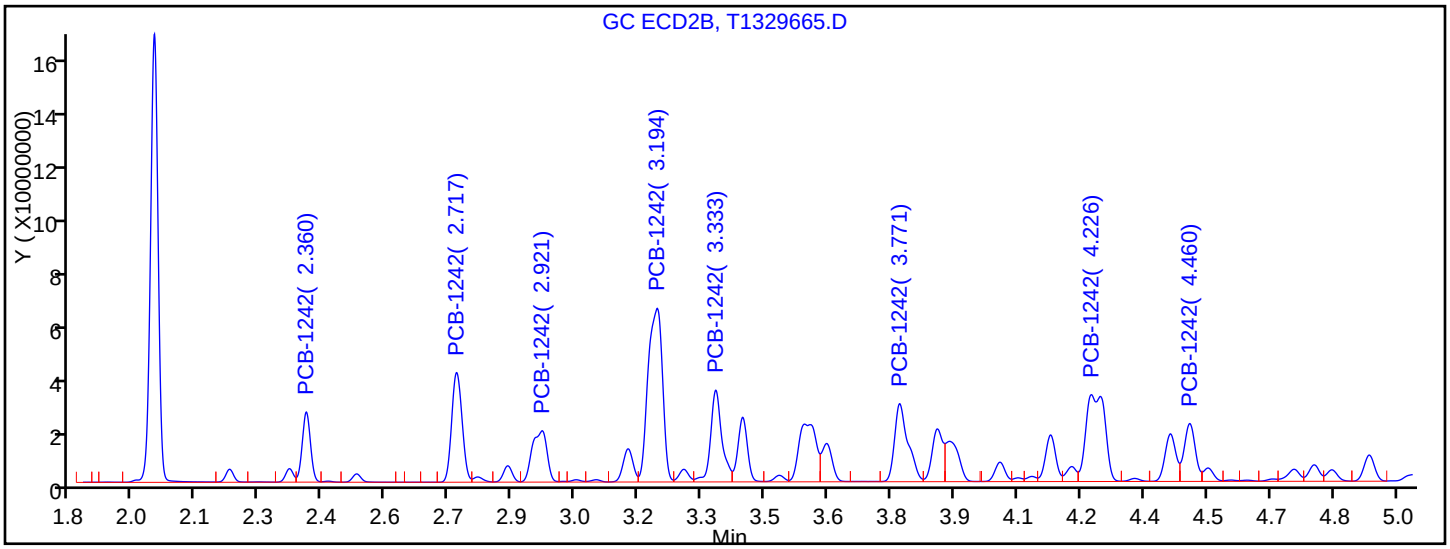
Column: Detector GC ECD2B

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results

RT = 2.320	Response = 6252706	M
RT = 2.651	Response = 19219	M
RT = 2.839	Response = 8430756	M
RT = 3.125	Response = 19629781	M
RT = 3.257	Response = 7083746	M
RT = 3.680	Response = 148494	M
RT = 4.180	Response = 8777995	M
RT = 4.414	Response = 30733064	M



Manual Integration Results

RT = 2.360	Response = 34667503	M
RT = 2.717	Response = 67998895	M
RT = 2.921	Response = 45393572	M
RT = 3.194	Response = 149614498	M
RT = 3.333	Response = 62126228	M
RT = 3.771	Response = 62499833	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:00 Calibration End Date: 06/17/2016 19:00 Calibration ID: 56337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/11	T1329666.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0138					Ave		0.0138						20.0			0.9900
PCB-1248 Peak 2	0.0344					Ave		0.0344						20.0			0.9900
PCB-1248 Peak 3	0.0205					Ave		0.0205						20.0			0.9900
PCB-1248 Peak 4	0.0187					Ave		0.0187						20.0			0.9900
PCB-1248 Peak 5	0.0295					Ave		0.0295						20.0			0.9900
PCB-1248 Peak 6	0.0315					Ave		0.0315						20.0			0.9900
PCB-1248 Peak 7	0.0343					Ave		0.0343						20.0			0.9900
PCB-1248 Peak 8	0.0133					Ave		0.0133						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:00 Calibration End Date: 06/17/2016 19:00 Calibration ID: 56337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/11	T1329666.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	36401836					1000				
PCB-1248 Peak 2	BNB	Ave	90751385					1000				
PCB-1248 Peak 3	BNB	Ave	54069708					1000				
PCB-1248 Peak 4	BNB	Ave	49197995					1000				
PCB-1248 Peak 5	BNB	Ave	77739389					1000				
PCB-1248 Peak 6	BNB	Ave	83134147					1000				
PCB-1248 Peak 7	BNB	Ave	90374853					1000				
PCB-1248 Peak 8	BNB	Ave	35127736					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329666.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 19:00:24 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-011
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub6

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:59 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:03:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.533	1.533	0.000	52727160	20.0	20.0	
2	1.367	1.367	0.000	47606303	20.0	20.0	
						RPD = 0.00	
6 PCB-1248							M
1	3.464	3.464	0.000	36401836	1000.0	1000.0	M
1	3.982	3.982	0.000	90751385	1000.0	1000.0	M
1	4.383	4.383	0.000	54069708	1000.0	1000.0	M
1	4.428	4.428	0.000	49197995	1000.0	1000.0	M
1	4.821	4.821	0.000	77739389	1000.0	1000.0	M
1	5.121	5.121	0.000	83134147	1000.0	1000.0	M
1	5.168	5.168	0.000	90374853	1000.0	1000.0	M
1	6.257	6.257	0.000	35127736	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	2.716	2.716	0.000	32691681	1000.0	1000.0	M
2	3.186	3.186	0.000	89100591	1000.0	1000.0	M
2	3.542	3.542	0.000	92524692	1000.0	1000.0	M
2	3.859	3.859	0.000	54435580	1000.0	1000.0	M
2	4.226	4.226	0.000	151050511	1000.0	1000.0	M
2	4.460	4.460	0.000	66302401	1000.0	1000.0	M
2	4.886	4.886	0.000	41885424	1000.0	1000.0	M
2	5.481	5.481	0.000	28267581	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

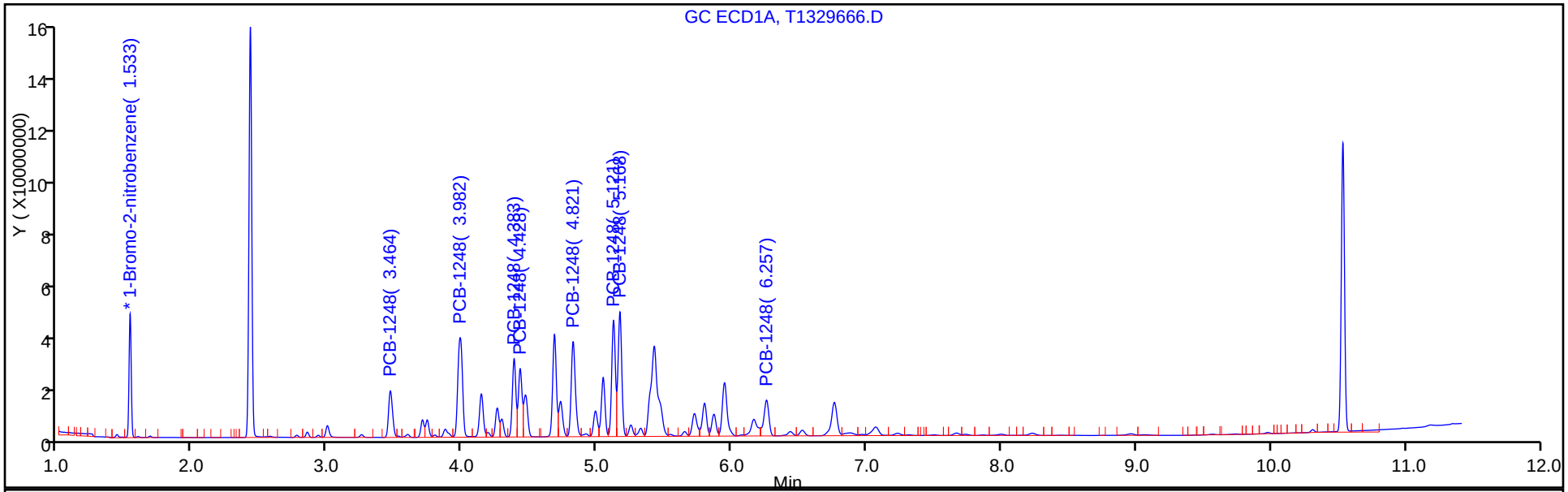
SG1248L3_00025	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

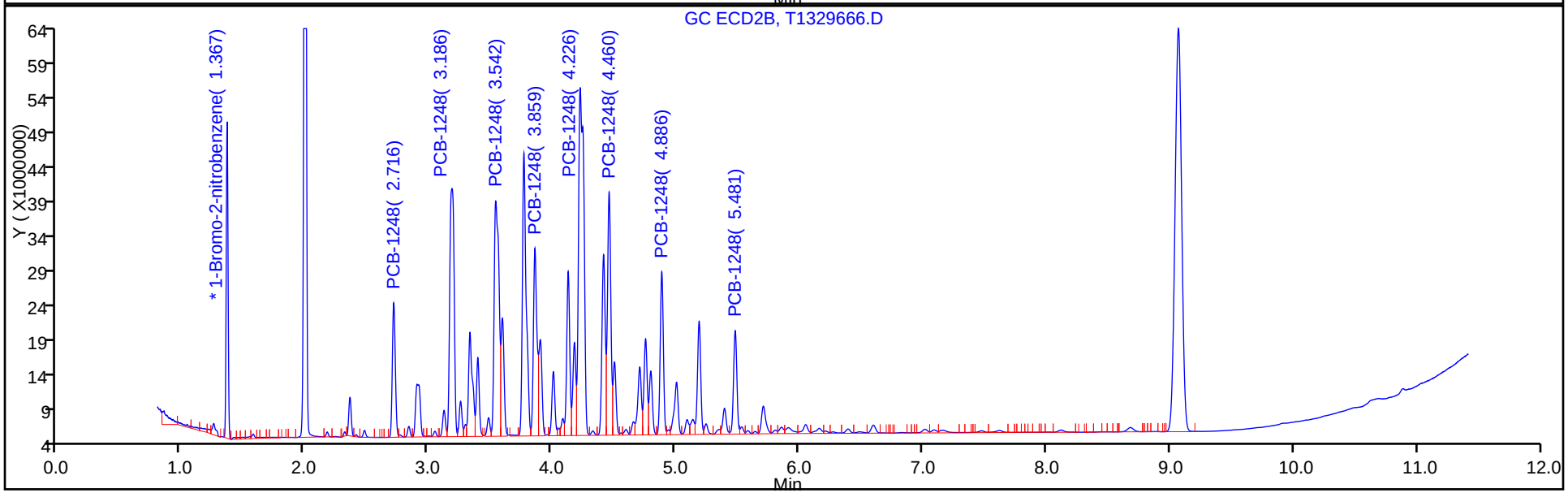
Report Date: 19-Jun-2016 09:12:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329666.D

Injection Date:	17-Jun-2016 19:00:24	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 19-Jun-2016 09:12:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329666.D

Injection Date: 17-Jun-2016 19:00:24 Instrument ID: CPESTGC11

Lims ID: IC 1248

Client ID:

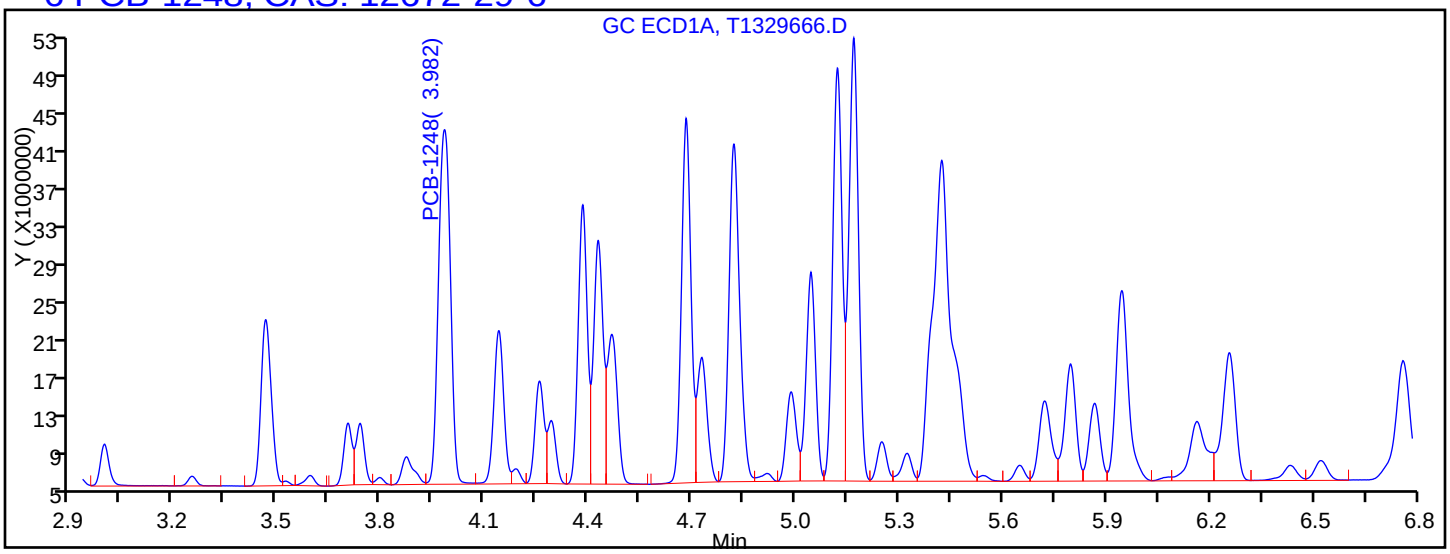
Operator ID: ALS Bottle#: 12 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

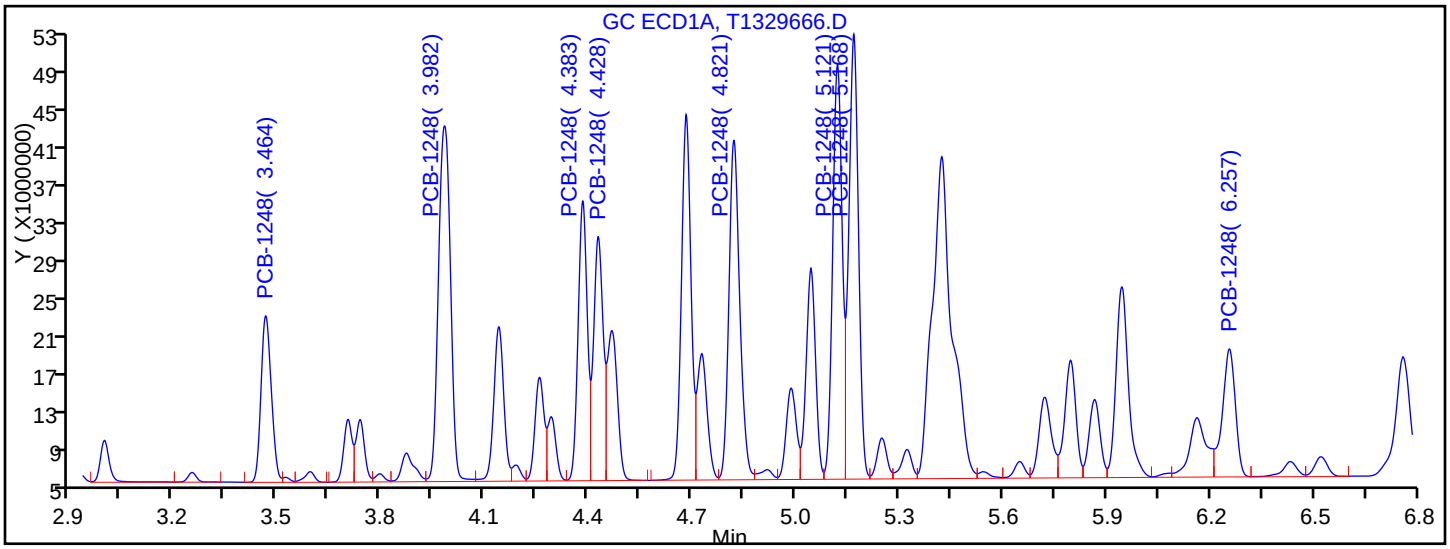
Column: Detector GC ECD1A

6 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 3.523	Response = 611428	M
RT = 3.982	Response = 89748267	M
RT = 4.467	Response = 31750632	M
RT = 0.000	Response = 0	M
RT = 4.917	Response = 1949114	M
RT = 5.168	Response = 89577708	M
RT = 5.249	Response = 7984384	M
RT = 0.000	Response = 0	M



Manual Integration Results

RT = 3.464	Response = 36401836	M
RT = 3.982	Response = 90751385	M
RT = 4.383	Response = 54069708	M
RT = 4.428	Response = 49197995	M
RT = 4.821	Response = 77739389	M
RT = 5.121	Response = 83134147	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:00 Calibration End Date: 06/17/2016 19:00 Calibration ID: 56338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/11	T1329666.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0137					Ave		0.0137						20.0			0.9900
PCB-1248 Peak 2	0.0374					Ave		0.0374						20.0			0.9900
PCB-1248 Peak 3	0.0389					Ave		0.0389						20.0			0.9900
PCB-1248 Peak 4	0.0229					Ave		0.0229						20.0			0.9900
PCB-1248 Peak 5	0.0635					Ave		0.0635						20.0			0.9900
PCB-1248 Peak 6	0.0279					Ave		0.0279						20.0			0.9900
PCB-1248 Peak 7	0.0176					Ave		0.0176						20.0			0.9900
PCB-1248 Peak 8	0.0119					Ave		0.0119						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:00 Calibration End Date: 06/17/2016 19:00 Calibration ID: 56338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/11	T1329666.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	32691681					1000				
PCB-1248 Peak 2	BNB	Ave	89100591					1000				
PCB-1248 Peak 3	BNB	Ave	92524692					1000				
PCB-1248 Peak 4	BNB	Ave	54435580					1000				
PCB-1248 Peak 5	BNB	Ave	151050511					1000				
PCB-1248 Peak 6	BNB	Ave	66302401					1000				
PCB-1248 Peak 7	BNB	Ave	41885424					1000				
PCB-1248 Peak 8	BNB	Ave	28267581					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329666.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 19:00:24 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-011
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub6

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:59 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:03:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.533	1.533	0.000	52727160	20.0	20.0	
2	1.367	1.367	0.000	47606303	20.0	20.0	
						RPD = 0.00	
6 PCB-1248							M
1	3.464	3.464	0.000	36401836	1000.0	1000.0	M
1	3.982	3.982	0.000	90751385	1000.0	1000.0	M
1	4.383	4.383	0.000	54069708	1000.0	1000.0	M
1	4.428	4.428	0.000	49197995	1000.0	1000.0	M
1	4.821	4.821	0.000	77739389	1000.0	1000.0	M
1	5.121	5.121	0.000	83134147	1000.0	1000.0	M
1	5.168	5.168	0.000	90374853	1000.0	1000.0	M
1	6.257	6.257	0.000	35127736	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	2.716	2.716	0.000	32691681	1000.0	1000.0	M
2	3.186	3.186	0.000	89100591	1000.0	1000.0	M
2	3.542	3.542	0.000	92524692	1000.0	1000.0	M
2	3.859	3.859	0.000	54435580	1000.0	1000.0	M
2	4.226	4.226	0.000	151050511	1000.0	1000.0	M
2	4.460	4.460	0.000	66302401	1000.0	1000.0	M
2	4.886	4.886	0.000	41885424	1000.0	1000.0	M
2	5.481	5.481	0.000	28267581	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

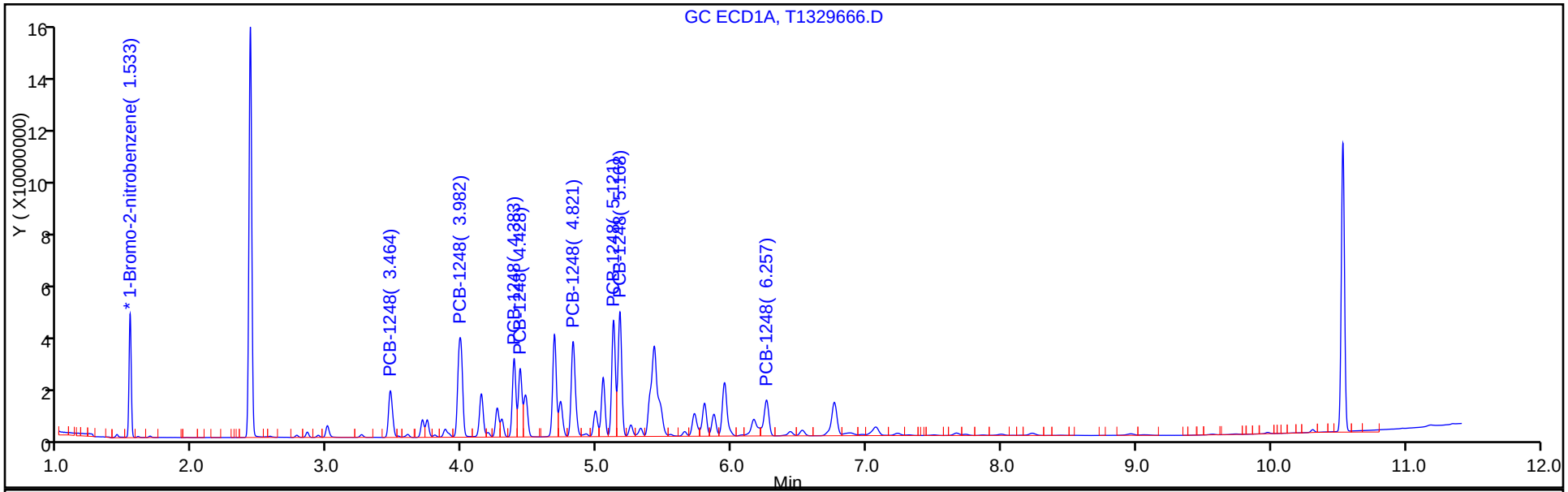
SG1248L3_00025	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

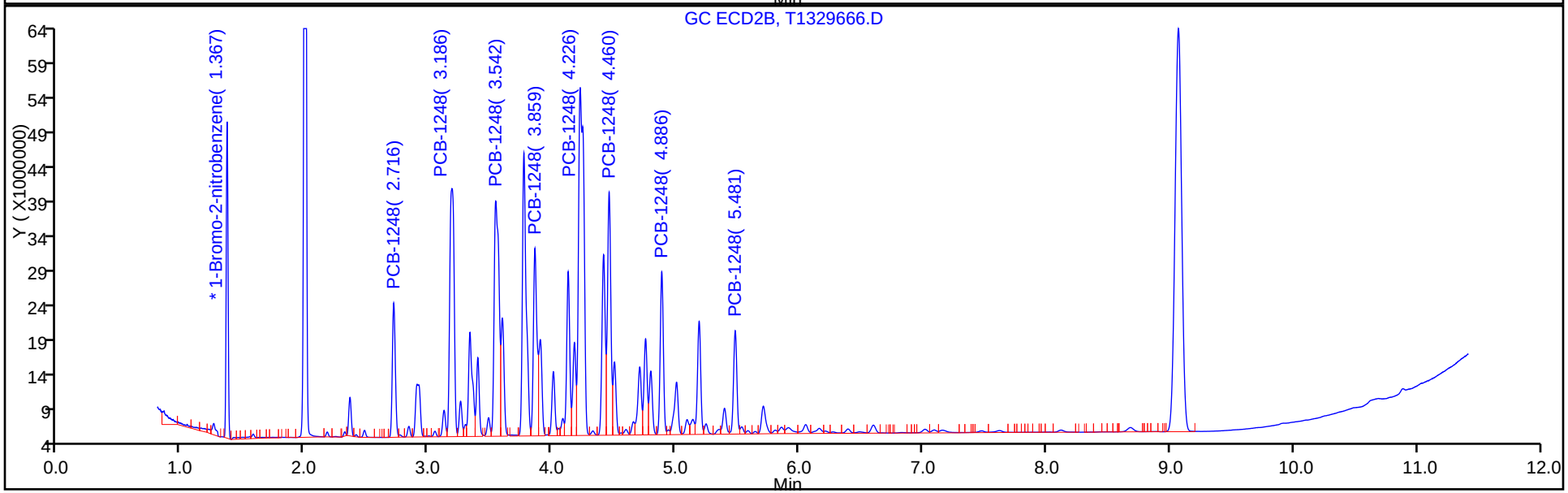
Report Date: 19-Jun-2016 09:12:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329666.D

Injection Date:	17-Jun-2016 19:00:24	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 19-Jun-2016 09:12:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329666.D

Injection Date: 17-Jun-2016 19:00:24 Instrument ID: CPESTGC11

Lims ID: IC 1248

Client ID:

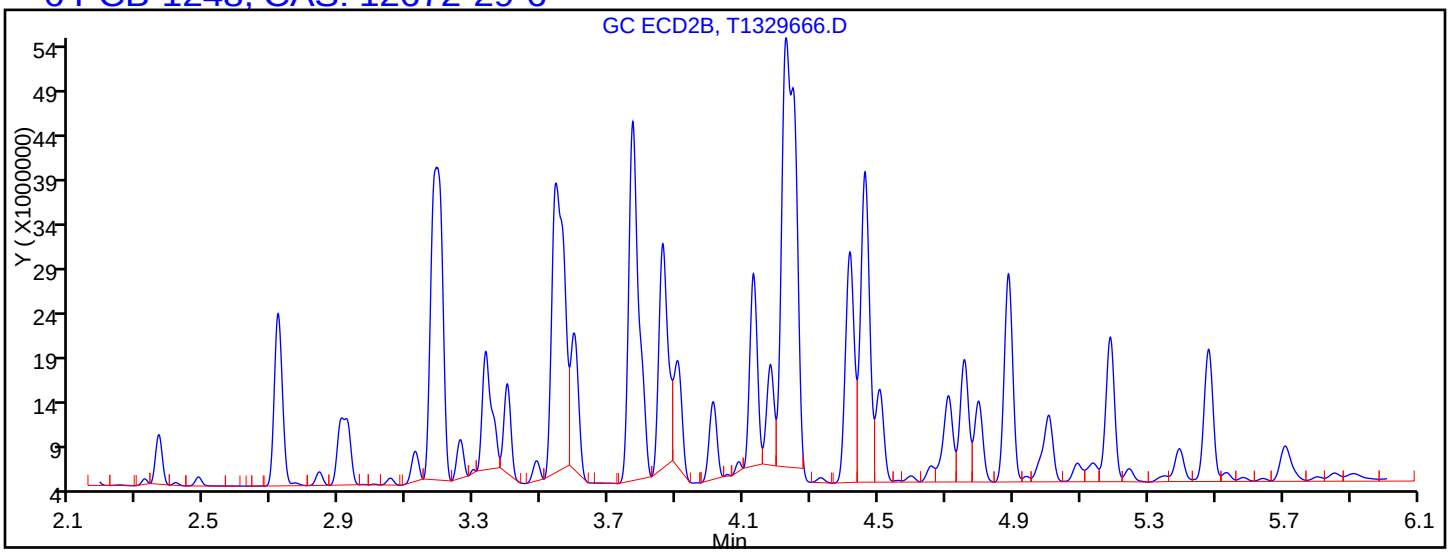
Operator ID: ALS Bottle#: 12 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

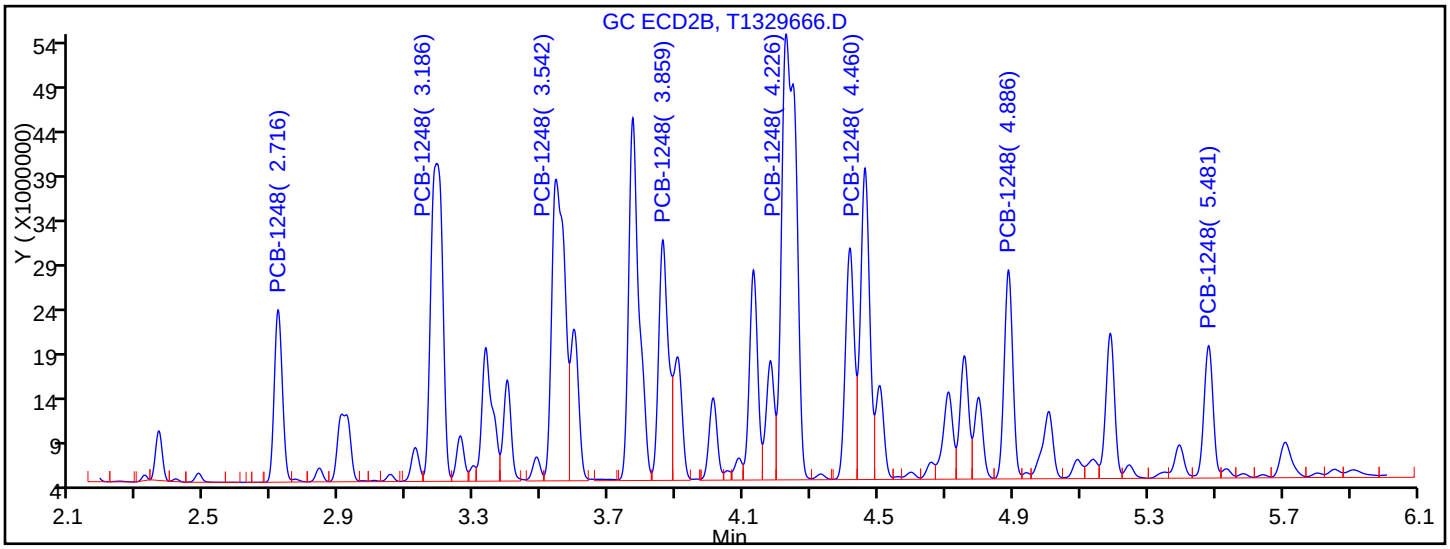
Column: Detector GC ECD2B

6 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 2.668	Response = 9681	M
RT = 3.123	Response = 4957000	M
RT = 3.484	Response = 3156289	M
RT = 3.770	Response = 84777165	M
RT = 4.128	Response = 33885996	M
RT = 4.415	Response = 48020281	M
RT = 4.797	Response = 15971532	M
RT = 5.394	Response = 7292848	M



Manual Integration Results

RT = 2.716	Response = 32691681	M
RT = 3.186	Response = 89100591	M
RT = 3.542	Response = 92524692	M
RT = 3.859	Response = 54435580	M
RT = 4.226	Response = 151050511	M
RT = 4.460	Response = 66302401	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:14 Calibration End Date: 06/17/2016 19:14 Calibration ID: 56343

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/12	T1329667.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0117					Ave		0.0117						20.0			0.9900
PCB-1254 Peak 2	0.0330					Ave		0.0330						20.0			0.9900
PCB-1254 Peak 3	0.0386					Ave		0.0386						20.0			0.9900
PCB-1254 Peak 4	0.0300					Ave		0.0300						20.0			0.9900
PCB-1254 Peak 5	0.0609					Ave		0.0609						20.0			0.9900
PCB-1254 Peak 6	0.0434					Ave		0.0434						20.0			0.9900
PCB-1254 Peak 7	0.0382					Ave		0.0382						20.0			0.9900
PCB-1254 Peak 8	0.0585					Ave		0.0585						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:14 Calibration End Date: 06/17/2016 19:14 Calibration ID: 56343

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/12	T1329667.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	29133108					1000				
PCB-1254 Peak 2	BNB	Ave	81867095					1000				
PCB-1254 Peak 3	BNB	Ave	95877038					1000				
PCB-1254 Peak 4	BNB	Ave	74380731					1000				
PCB-1254 Peak 5	BNB	Ave	151049862					1000				
PCB-1254 Peak 6	BNB	Ave	107636280					1000				
PCB-1254 Peak 7	BNB	Ave	94722298					1000				
PCB-1254 Peak 8	BNB	Ave	145227823					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329667.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 19:14:55 ALS Bottle#: 13 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-012
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:12:05 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:05:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.533	1.533	0.000	49619620	20.0	20.0	
2	1.367	1.367	0.000	44775479	20.0	20.0	
						RPD = 0.00	
7 PCB-1254							M
1	4.684	4.684	0.000	29133108	1000.0	1000.0	a
1	5.164	5.164	0.000	81867095	1000.0	1000.0	a
1	5.391	5.391	0.000	95877038	1000.0	1000.0	a
1	5.797	5.797	0.000	74380731	1000.0	1000.0	a
1	5.946	5.946	0.000	151049862	1000.0	1000.0	a
1	6.257	6.257	0.000	107636280	1000.0	1000.0	a
1	6.761	6.761	0.000	94722298	1000.0	1000.0	M
1	7.068	7.068	0.000	145227823	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	3.769	3.769	0.000	26458336	1000.0	1000.0	M
2	4.180	4.180	0.000	70491895	1000.0	1000.0	M
2	4.465	4.465	0.000	98568806	1000.0	1000.0	M
2	4.755	4.755	0.000	76333301	1000.0	1000.0	M
2	4.887	4.887	0.000	131779144	1000.0	1000.0	M
2	5.189	5.189	0.000	103083589	1000.0	1000.0	M
2	5.395	5.395	0.000	91735193	1000.0	1000.0	M
2	5.709	5.709	0.000	138261384	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

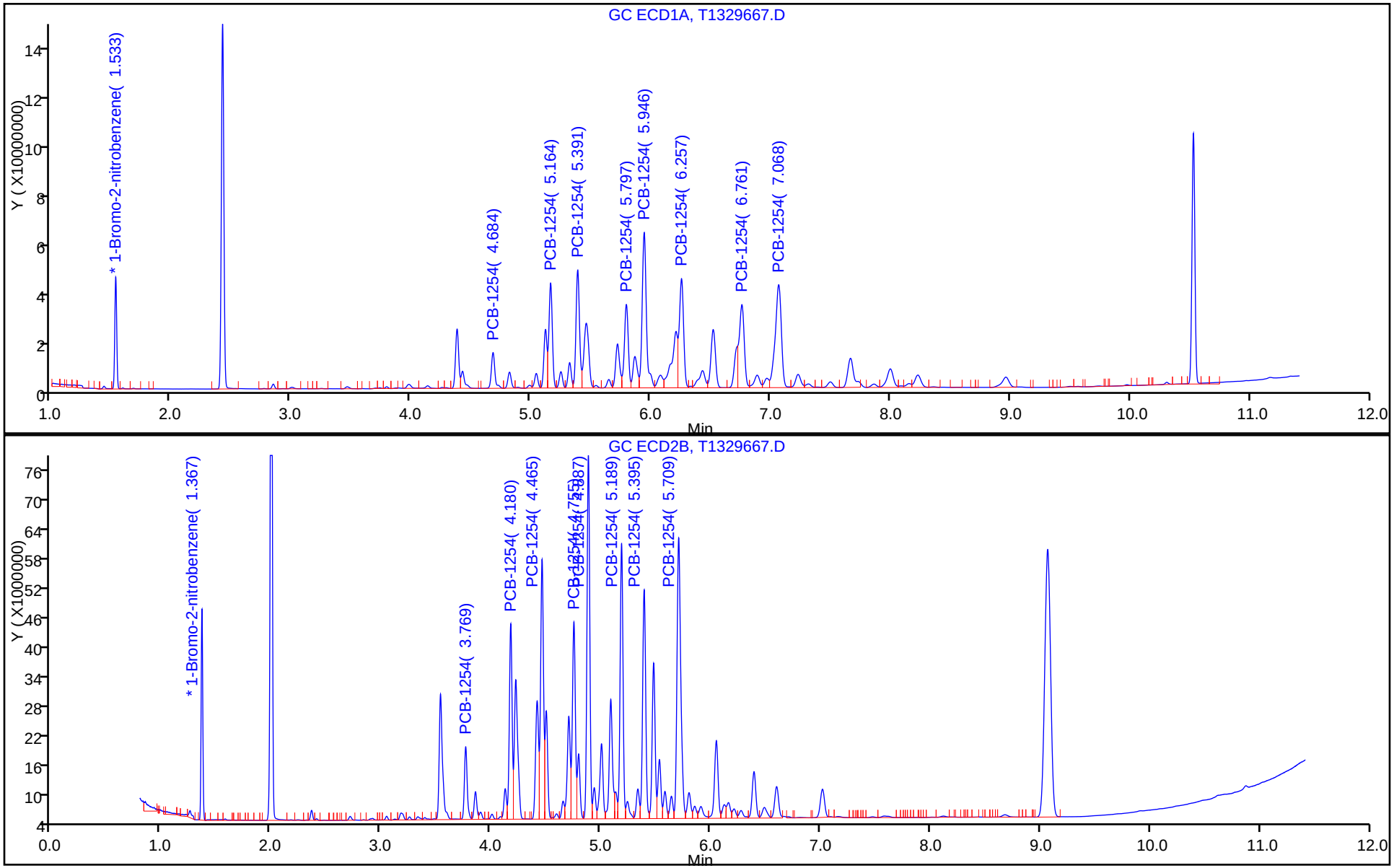
SG1254L3_00027	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:12:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329667.D

Injection Date:	17-Jun-2016 19:14:55	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:12:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329667.D

Injection Date: 17-Jun-2016 19:14:55 Instrument ID: CPESTGC11

Lims ID: IC 1254

Client ID:

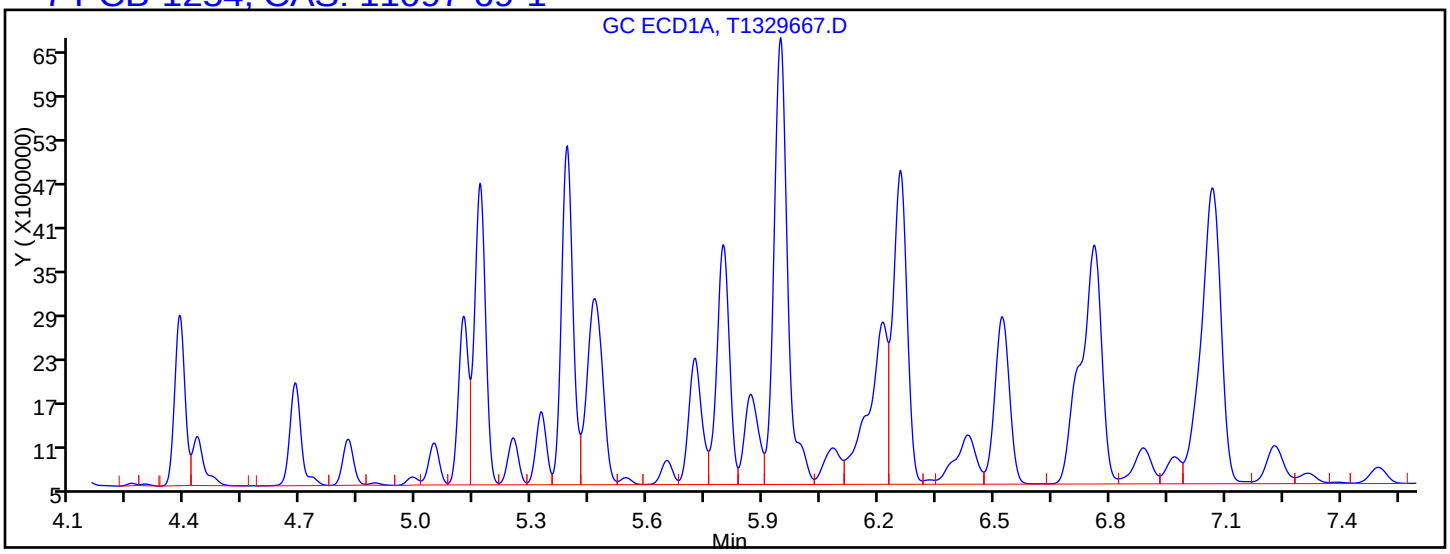
Operator ID: ALS Bottle#: 13 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

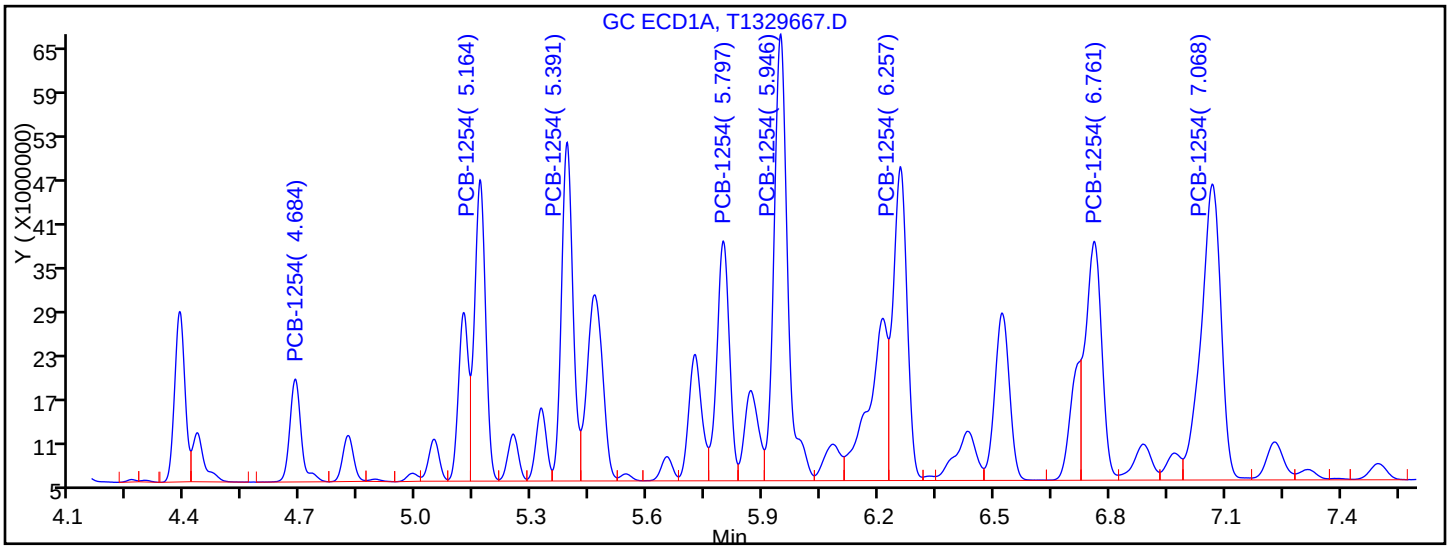
Column: Detector GC ECD1A

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 5.250	Response = 12374466	M
RT = 5.462	Response = 72130280	M
RT = 5.867	Response = 31491682	M
RT = 6.082	Response = 15394362	M
RT = 6.333	Response = 1078402	M
RT = 6.887	Response = 16118443	M
RT = 7.230	Response = 16250539	M



Manual Integration Results

RT = 4.684	Response = 29133108	M
RT = 5.164	Response = 81867095	M
RT = 5.391	Response = 95877038	M
RT = 5.797	Response = 74380731	M
RT = 5.946	Response = 151049862	M
RT = 6.257	Response = 107636280	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:14 Calibration End Date: 06/17/2016 19:14 Calibration ID: 56344

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/12	T1329667.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0118					Ave		0.0118						20.0			0.9900
PCB-1254 Peak 2	0.0315					Ave		0.0315						20.0			0.9900
PCB-1254 Peak 3	0.0440					Ave		0.0440						20.0			0.9900
PCB-1254 Peak 4	0.0341					Ave		0.0341						20.0			0.9900
PCB-1254 Peak 5	0.0589					Ave		0.0589						20.0			0.9900
PCB-1254 Peak 6	0.0460					Ave		0.0460						20.0			0.9900
PCB-1254 Peak 7	0.0410					Ave		0.0410						20.0			0.9900
PCB-1254 Peak 8	0.0618					Ave		0.0618						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:14 Calibration End Date: 06/17/2016 19:14 Calibration ID: 56344

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/12	T1329667.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	26458336					1000				
PCB-1254 Peak 2	BNB	Ave	70491895					1000				
PCB-1254 Peak 3	BNB	Ave	98568806					1000				
PCB-1254 Peak 4	BNB	Ave	76333301					1000				
PCB-1254 Peak 5	BNB	Ave	131779144					1000				
PCB-1254 Peak 6	BNB	Ave	103083589					1000				
PCB-1254 Peak 7	BNB	Ave	91735193					1000				
PCB-1254 Peak 8	BNB	Ave	138261384					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329667.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 19:14:55 ALS Bottle#: 13 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-012
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:12:05 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:05:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.533	1.533	0.000	49619620	20.0	20.0	
2	1.367	1.367	0.000	44775479	20.0	20.0	
						RPD = 0.00	
7 PCB-1254							M
1	4.684	4.684	0.000	29133108	1000.0	1000.0	a
1	5.164	5.164	0.000	81867095	1000.0	1000.0	a
1	5.391	5.391	0.000	95877038	1000.0	1000.0	a
1	5.797	5.797	0.000	74380731	1000.0	1000.0	a
1	5.946	5.946	0.000	151049862	1000.0	1000.0	a
1	6.257	6.257	0.000	107636280	1000.0	1000.0	a
1	6.761	6.761	0.000	94722298	1000.0	1000.0	M
1	7.068	7.068	0.000	145227823	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	3.769	3.769	0.000	26458336	1000.0	1000.0	M
2	4.180	4.180	0.000	70491895	1000.0	1000.0	M
2	4.465	4.465	0.000	98568806	1000.0	1000.0	M
2	4.755	4.755	0.000	76333301	1000.0	1000.0	M
2	4.887	4.887	0.000	131779144	1000.0	1000.0	M
2	5.189	5.189	0.000	103083589	1000.0	1000.0	M
2	5.395	5.395	0.000	91735193	1000.0	1000.0	M
2	5.709	5.709	0.000	138261384	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

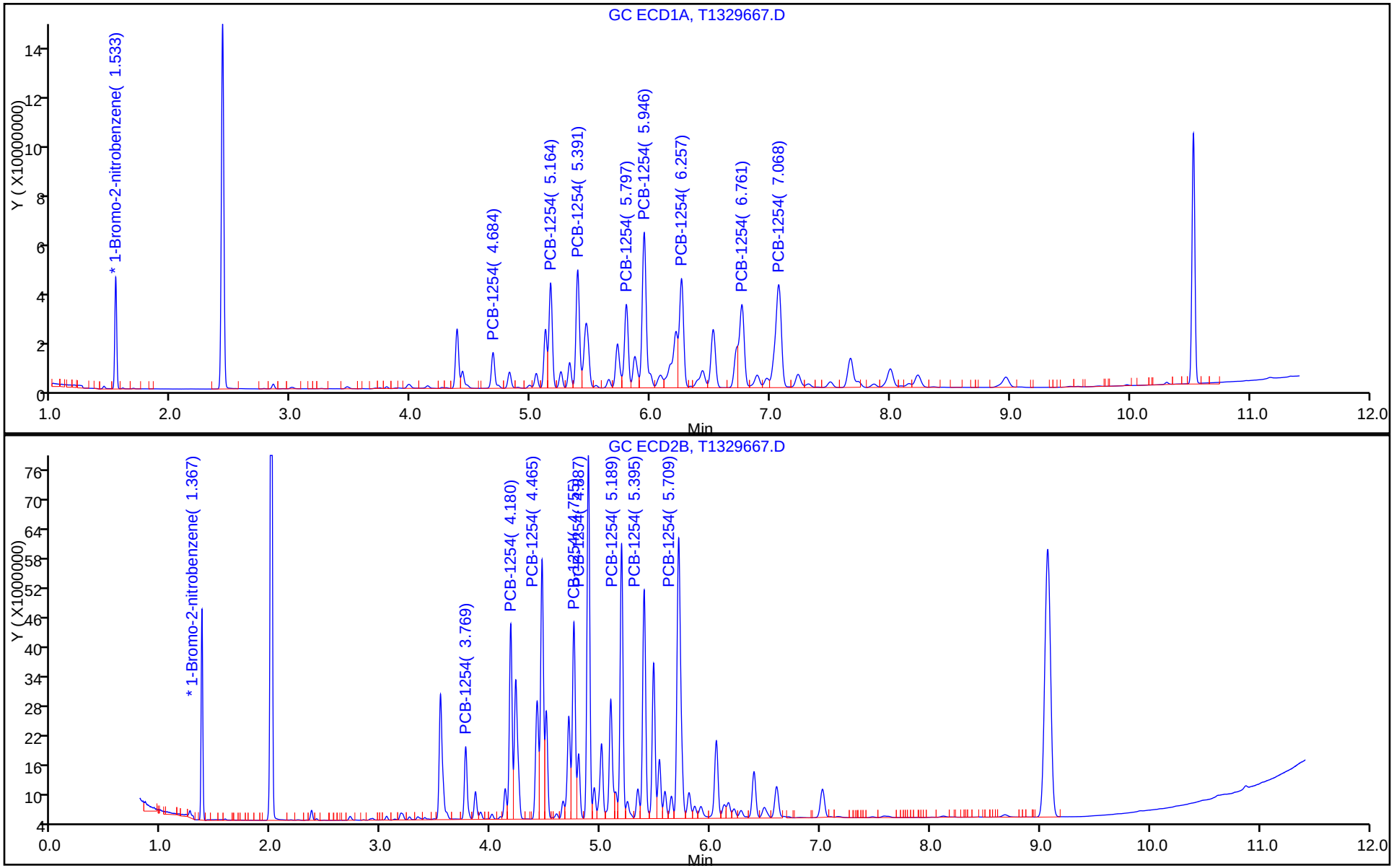
SG1254L3_00027	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:12:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329667.D

Injection Date:	17-Jun-2016 19:14:55	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:12:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329667.D

Injection Date: 17-Jun-2016 19:14:55 Instrument ID: CPESTGC11

Lims ID: IC 1254

Client ID:

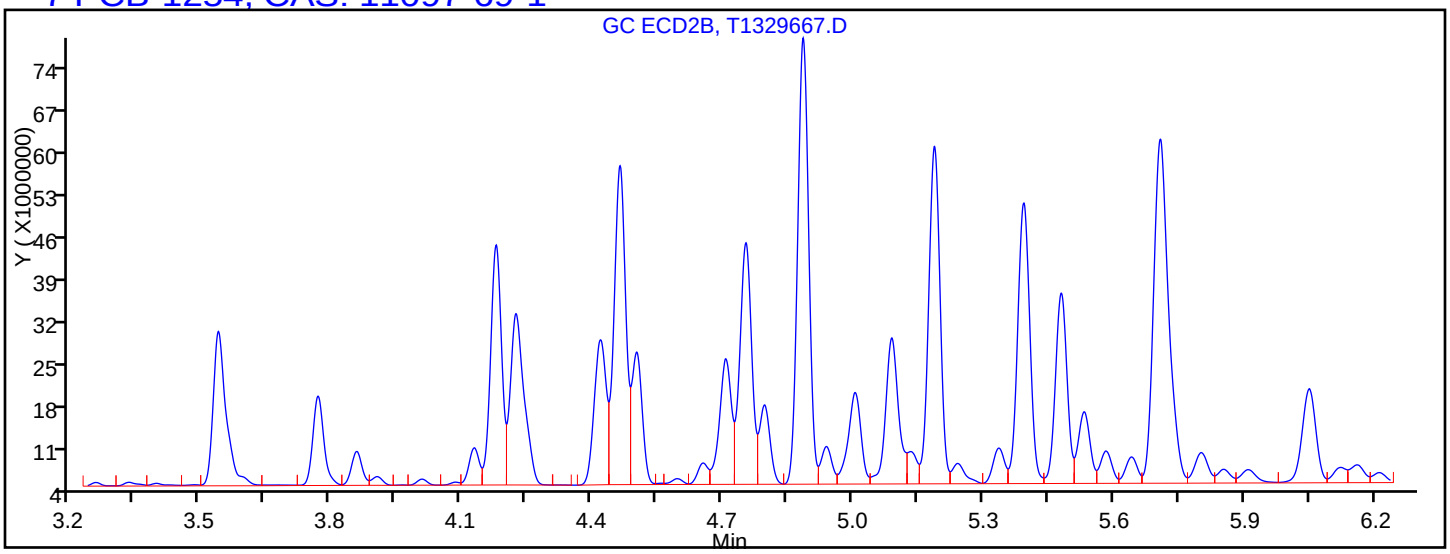
Operator ID: ALS Bottle#: 13 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

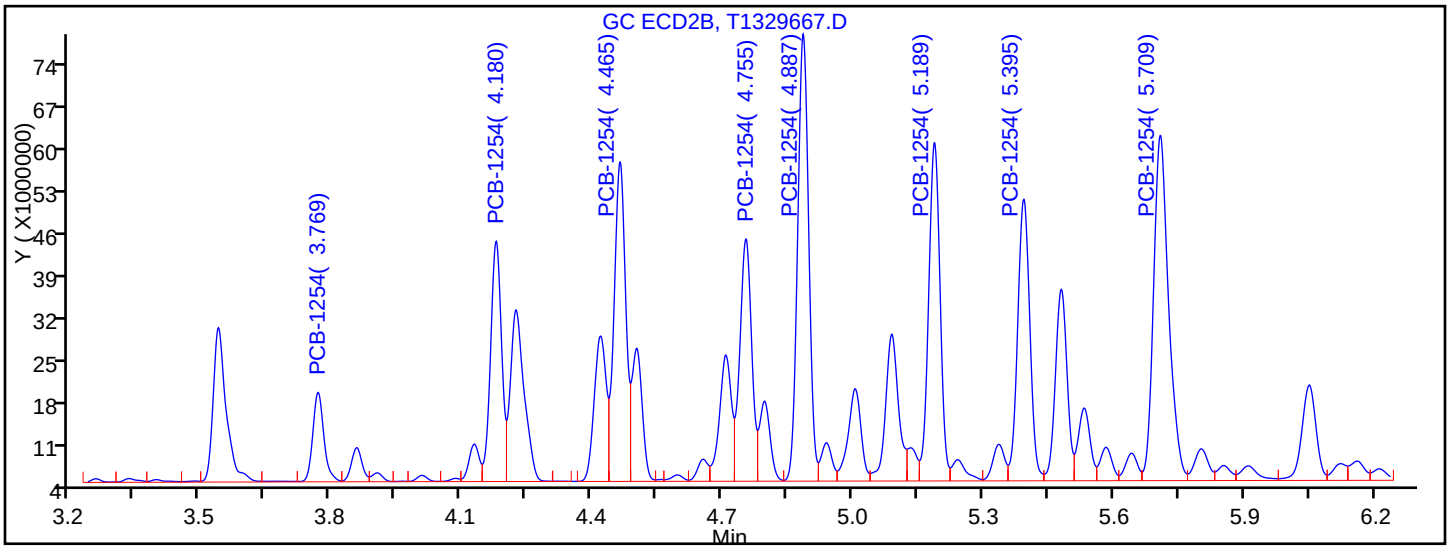
Column: Detector GC ECD2B

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.681	Response = 463774	M
RT = 4.086	Response = 702896	M
RT = 4.420	Response = 46389130	M
RT = 4.657	Response = 5908550	M
RT = 4.797	Response = 22243328	M
RT = 5.091	Response = 50419761	M
RT = 5.337	Response = 10862745	M
RT = 5.643	Response = 8312700	M



Manual Integration Results

RT = 3.769	Response = 26458336	M
RT = 4.180	Response = 70491895	M
RT = 4.465	Response = 98568806	M
RT = 4.755	Response = 76333301	M
RT = 4.887	Response = 131779144	M
RT = 5.189	Response = 103083589	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:29 Calibration End Date: 06/17/2016 19:29 Calibration ID: 56349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/13	T1329668.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0361					Ave		0.0361						20.0			0.9900
PCB-1262 Peak 2	0.0419					Ave		0.0419						20.0			0.9900
PCB-1262 Peak 3	0.0620					Ave		0.0620						20.0			0.9900
PCB-1262 Peak 4	0.0568					Ave		0.0568						20.0			0.9900
PCB-1262 Peak 5	0.1148					Ave		0.1148						20.0			0.9900
PCB-1262 Peak 6	0.0182					Ave		0.0182						20.0			0.9900
PCB-1262 Peak 7	0.0412					Ave		0.0412						20.0			0.9900
PCB-1262 Peak 8	0.0142					Ave		0.0142						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:29 Calibration End Date: 06/17/2016 19:29 Calibration ID: 56349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/13	T1329668.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	89674640					1000				
PCB-1262 Peak 2	BNB	Ave	104035024					1000				
PCB-1262 Peak 3	BNB	Ave	154090069					1000				
PCB-1262 Peak 4	BNB	Ave	141181898					1000				
PCB-1262 Peak 5	BNB	Ave	285081371					1000				
PCB-1262 Peak 6	BNB	Ave	45130632					1000				
PCB-1262 Peak 7	BNB	Ave	102259307					1000				
PCB-1262 Peak 8	BNB	Ave	35317029					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329668.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 19:29:21 ALS Bottle#: 14 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-013
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub8

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:12:14 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:07:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	49668793	20.0	20.0	
2	1.368	1.368	0.000	45259079	20.0	20.0	
						RPD = 0.00	
9 PCB-1262							M
1	6.213	6.213	0.000	89674640	1000.0	1000.0	a
1	6.524	6.524	0.000	104035024	1000.0	1000.0	a
1	7.229	7.229	0.000	154090069	1000.0	1000.0	a
1	7.738	7.738	0.000	141181898	1000.0	1000.0	a
1	8.233	8.233	0.000	285081371	1000.0	1000.0	a
1	9.744	9.744	0.000	45130632	1000.0	1000.0	a
1	9.974	9.974	0.000	102259307	1000.0	1000.0	
1	10.306	10.306	0.000	35317029	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.092	5.092	0.000	81745945	1000.0	1000.0	M
2	6.164	6.164	0.000	138403732	1000.0	1000.0	M
2	6.602	6.602	0.000	289513373	1000.0	1000.0	M
2	7.019	7.019	0.000	102630866	1000.0	1000.0	a
2	7.160	7.160	0.000	123711143	1000.0	1000.0	a
2	7.626	7.626	0.000	48287897	1000.0	1000.0	a
2	8.121	8.121	0.000	108064398	1000.0	1000.0	a
2	8.681	8.681	0.000	40912250	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

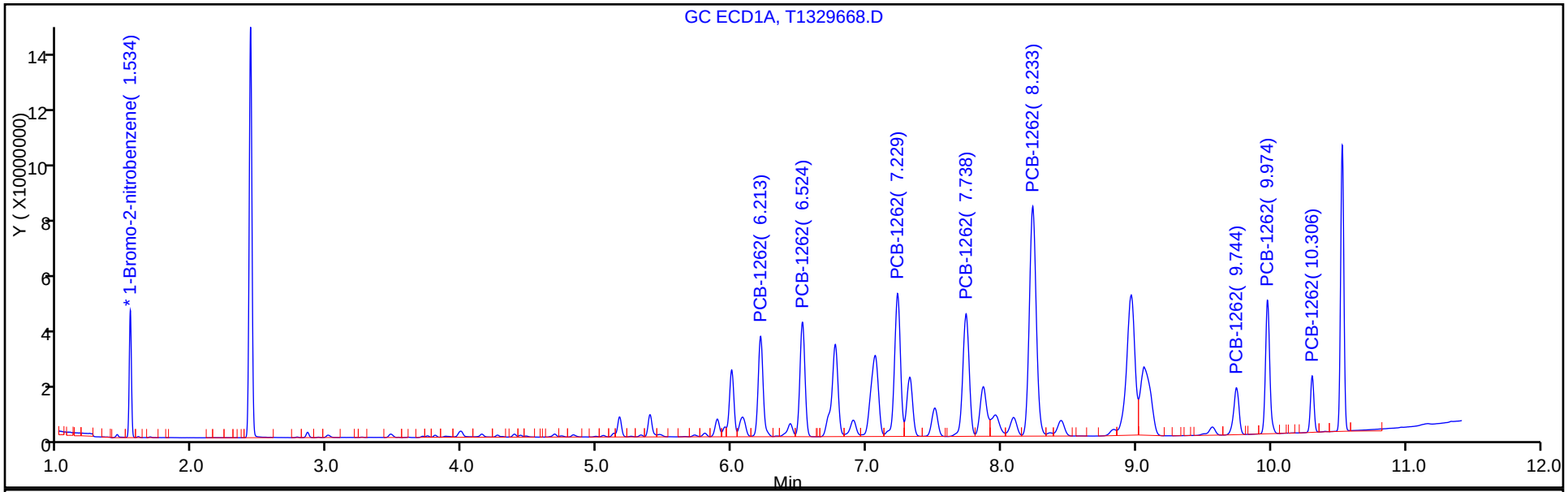
SG1262L3_00023	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

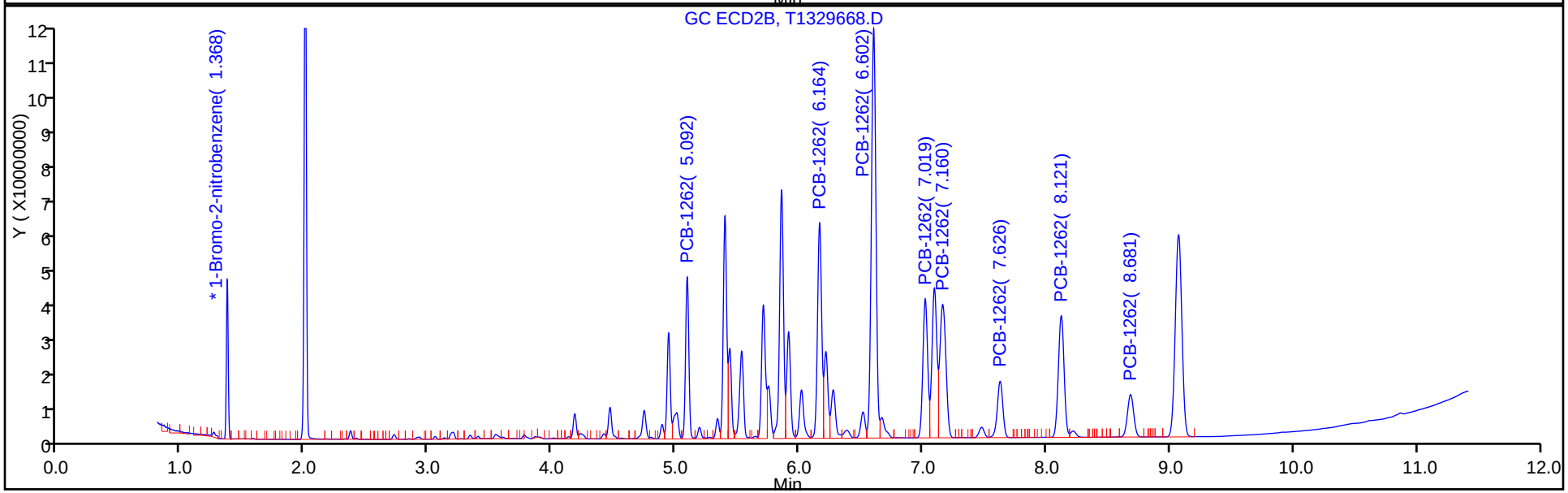
Report Date: 19-Jun-2016 09:12:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329668.D

Injection Date:	17-Jun-2016 19:29:21	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:29 Calibration End Date: 06/17/2016 19:29 Calibration ID: 56350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/13	T1329668.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0361					Ave		0.0361						20.0			0.9900
PCB-1262 Peak 2	0.0612					Ave		0.0612						20.0			0.9900
PCB-1262 Peak 3	0.1279					Ave		0.1279						20.0			0.9900
PCB-1262 Peak 4	0.0454					Ave		0.0454						20.0			0.9900
PCB-1262 Peak 5	0.0547					Ave		0.0547						20.0			0.9900
PCB-1262 Peak 6	0.0213					Ave		0.0213						20.0			0.9900
PCB-1262 Peak 7	0.0478					Ave		0.0478						20.0			0.9900
PCB-1262 Peak 8	0.0181					Ave		0.0181						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:29 Calibration End Date: 06/17/2016 19:29 Calibration ID: 56350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/13	T1329668.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	81745945					1000				
PCB-1262 Peak 2	BNB	Ave	138403732					1000				
PCB-1262 Peak 3	BNB	Ave	289513373					1000				
PCB-1262 Peak 4	BNB	Ave	102630866					1000				
PCB-1262 Peak 5	BNB	Ave	123711143					1000				
PCB-1262 Peak 6	BNB	Ave	48287897					1000				
PCB-1262 Peak 7	BNB	Ave	108064398					1000				
PCB-1262 Peak 8	BNB	Ave	40912250					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329668.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 19:29:21 ALS Bottle#: 14 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-013
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub8

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:12:14 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:07:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	49668793	20.0	20.0	
2	1.368	1.368	0.000	45259079	20.0	20.0	
						RPD = 0.00	
9 PCB-1262							M
1	6.213	6.213	0.000	89674640	1000.0	1000.0	a
1	6.524	6.524	0.000	104035024	1000.0	1000.0	a
1	7.229	7.229	0.000	154090069	1000.0	1000.0	a
1	7.738	7.738	0.000	141181898	1000.0	1000.0	a
1	8.233	8.233	0.000	285081371	1000.0	1000.0	a
1	9.744	9.744	0.000	45130632	1000.0	1000.0	a
1	9.974	9.974	0.000	102259307	1000.0	1000.0	
1	10.306	10.306	0.000	35317029	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.092	5.092	0.000	81745945	1000.0	1000.0	M
2	6.164	6.164	0.000	138403732	1000.0	1000.0	M
2	6.602	6.602	0.000	289513373	1000.0	1000.0	M
2	7.019	7.019	0.000	102630866	1000.0	1000.0	a
2	7.160	7.160	0.000	123711143	1000.0	1000.0	a
2	7.626	7.626	0.000	48287897	1000.0	1000.0	a
2	8.121	8.121	0.000	108064398	1000.0	1000.0	a
2	8.681	8.681	0.000	40912250	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

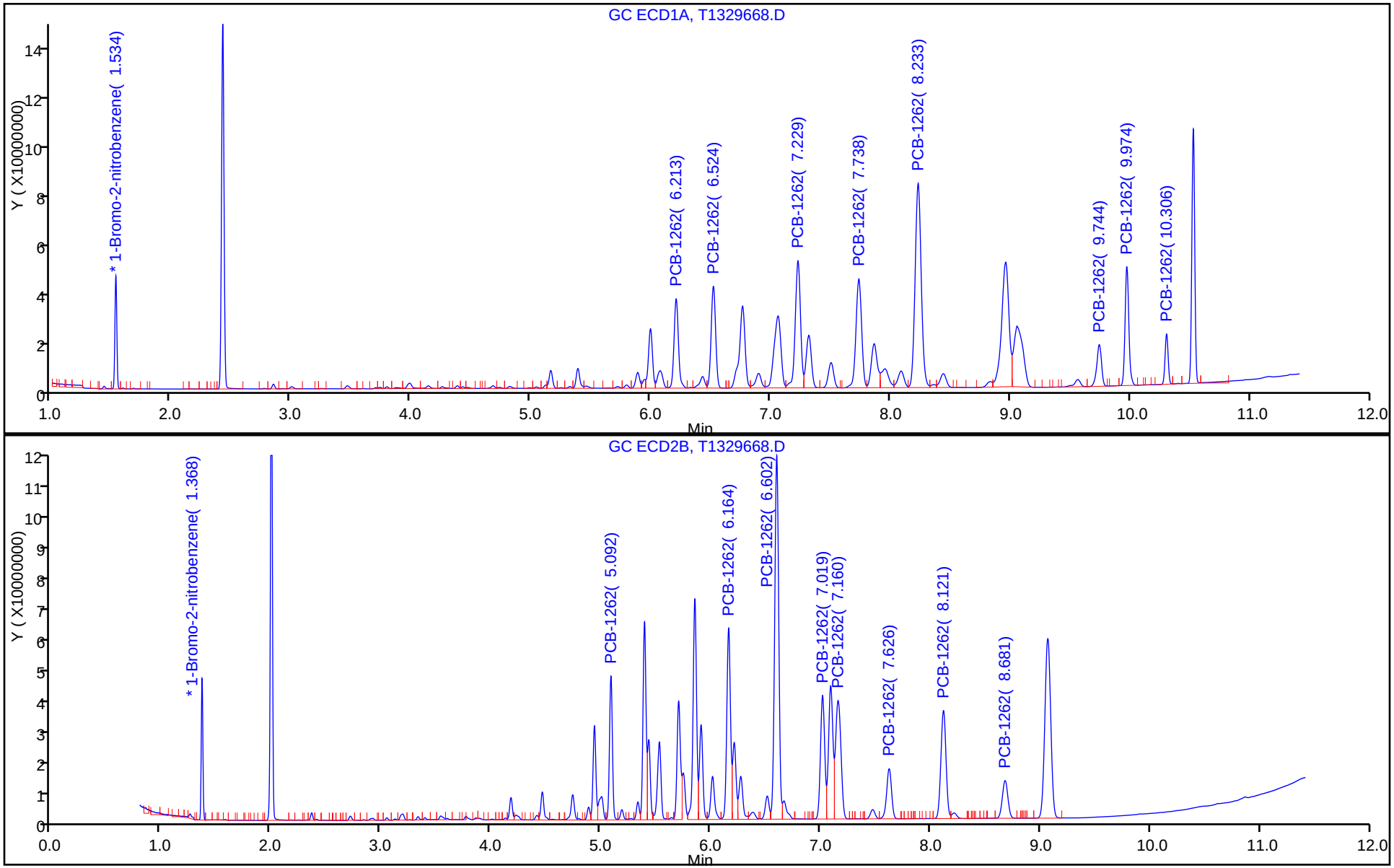
SG1262L3_00023	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:12:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329668.D

Injection Date:	17-Jun-2016 19:29:21	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:12:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329668.D

Injection Date: 17-Jun-2016 19:29:21 Instrument ID: CPESTGC11

Lims ID: IC 1262

Client ID:

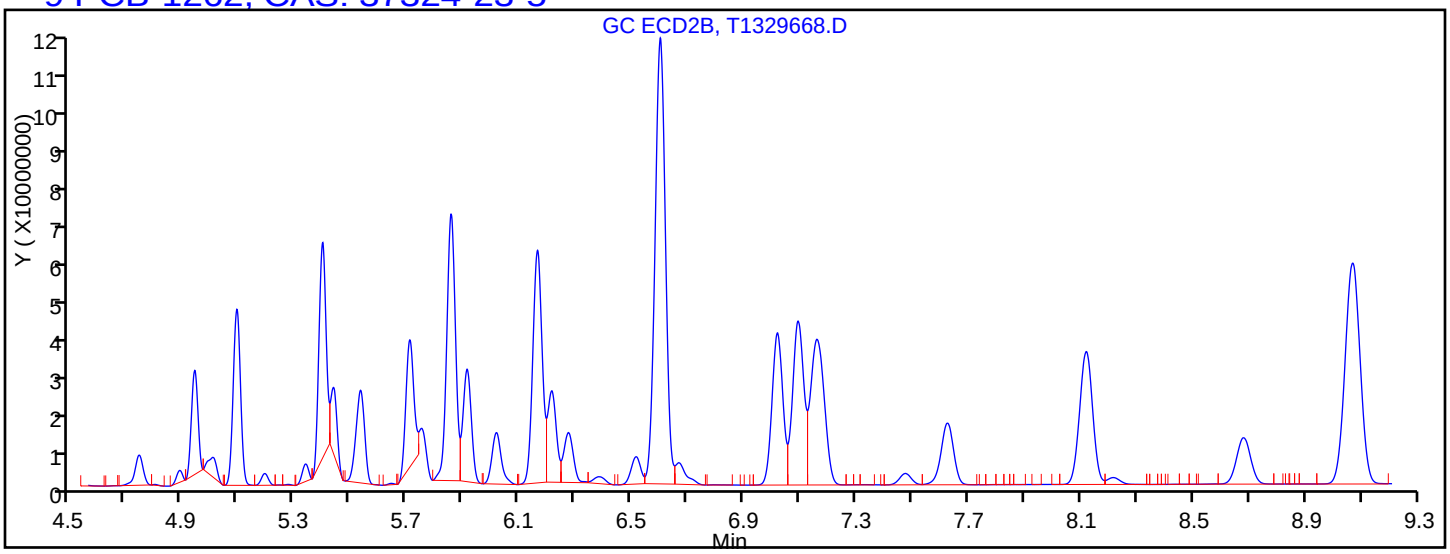
Operator ID: ALS Bottle#: 14 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

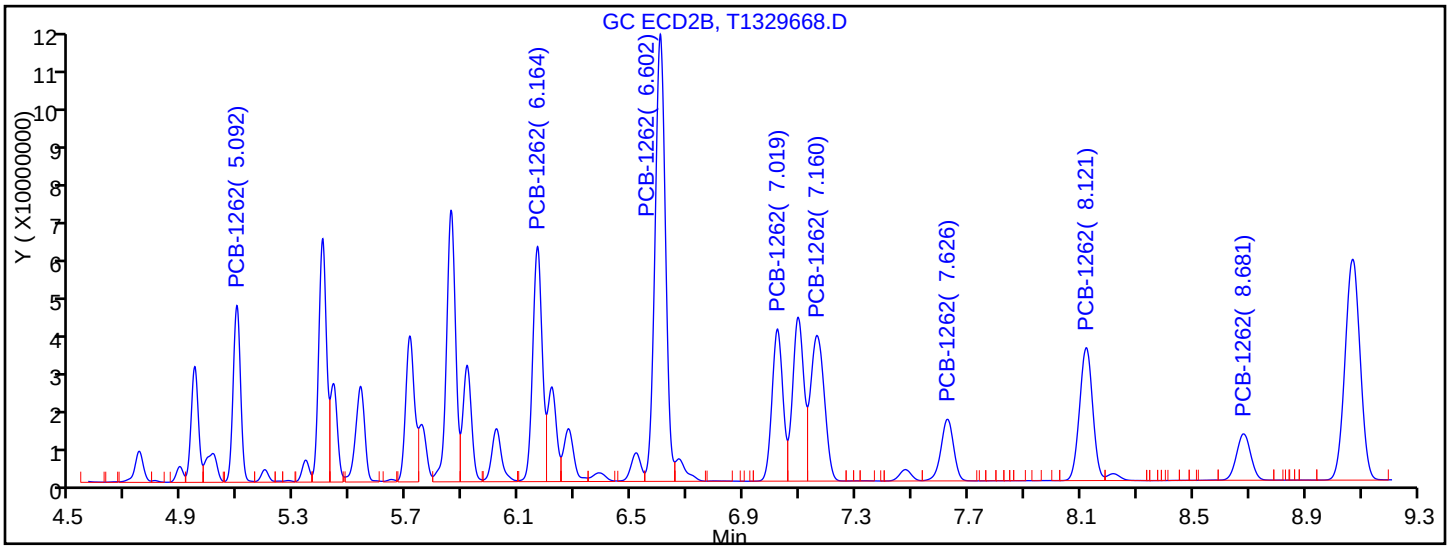
Column: Detector GC ECD2B

9 PCB-1262, CAS: 37324-23-5



Processing Integration Results

RT = 5.006	Response = 10580359	M
RT = 6.018	Response = 29867648	M
RT = 6.516	Response = 16161178	M
RT = 6.925	Response = 6232	M
RT = 7.019	Response = 102630866	M
RT = 7.476	Response = 8435611	M
RT = 8.003	Response = 14647	M
RT = 8.582	Response = 140965	M



Manual Integration Results

RT = 5.092	Response = 81745945	M
RT = 6.164	Response = 138403732	M
RT = 6.602	Response = 289513373	M
RT = 7.019	Response = 102630866	M
RT = 7.160	Response = 123711143	M
RT = 7.626	Response = 48287897	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:43 Calibration End Date: 06/17/2016 19:43 Calibration ID: 56355

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/14	T1329669.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0215					Ave		0.0215						20.0			0.9900
PCB-1268 Peak 2	0.0279					Ave		0.0279						20.0			0.9900
PCB-1268 Peak 3	0.1192					Ave		0.1192						20.0			0.9900
PCB-1268 Peak 4	0.1132					Ave		0.1132						20.0			0.9900
PCB-1268 Peak 5	0.0941					Ave		0.0941						20.0			0.9900
PCB-1268 Peak 6	0.0260					Ave		0.0260						20.0			0.9900
PCB-1268 Peak 7	0.0391					Ave		0.0391						20.0			0.9900
PCB-1268 Peak 8	0.2629					Ave		0.2629						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:43 Calibration End Date: 06/17/2016 19:43 Calibration ID: 56355

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/14	T1329669.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	52457685					1000				
PCB-1268 Peak 2	BNB	Ave	68085509					1000				
PCB-1268 Peak 3	BNB	Ave	291403355					1000				
PCB-1268 Peak 4	BNB	Ave	276694202					1000				
PCB-1268 Peak 5	BNB	Ave	230000843					1000				
PCB-1268 Peak 6	BNB	Ave	63648345					1000				
PCB-1268 Peak 7	BNB	Ave	95650107					1000				
PCB-1268 Peak 8	BNB	Ave	642543789					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 19:43:54 ALS Bottle#: 15 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-014
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub9

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:12:20 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:09:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	48876217	20.0	20.0	
2	1.368	1.368	0.000	45299420	20.0	20.0	
						RPD = 0.00	
10 PCB-1268							
1	7.228	7.228	0.000	52457685	1000.0	1000.0	a
1	7.741	7.741	0.000	68085509	1000.0	1000.0	a
1	8.958	8.958	0.000	291403355	1000.0	1000.0	a
1	9.054	9.054	0.000	276694202	1000.0	1000.0	a
1	9.566	9.566	0.000	230000843	1000.0	1000.0	a
1	9.716	9.716	0.000	63648345	1000.0	1000.0	a
1	9.973	9.973	0.000	95650107	1000.0	1000.0	a
1	10.299	10.299	0.000	642543789	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	6.158	6.158	0.000	65956426	1000.0	1000.0	a
2	6.596	6.596	0.000	45181531	1000.0	1000.0	a
2	7.093	7.093	0.000	293338664	1000.0	1000.0	a
2	7.153	7.153	0.000	269759018	1000.0	1000.0	a
2	7.475	7.475	0.000	238832073	1000.0	1000.0	a
2	7.618	7.618	0.000	66742099	1000.0	1000.0	a
2	8.118	8.118	0.000	105420910	1000.0	1000.0	a
2	8.680	8.680	0.000	756916830	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

Reagents:

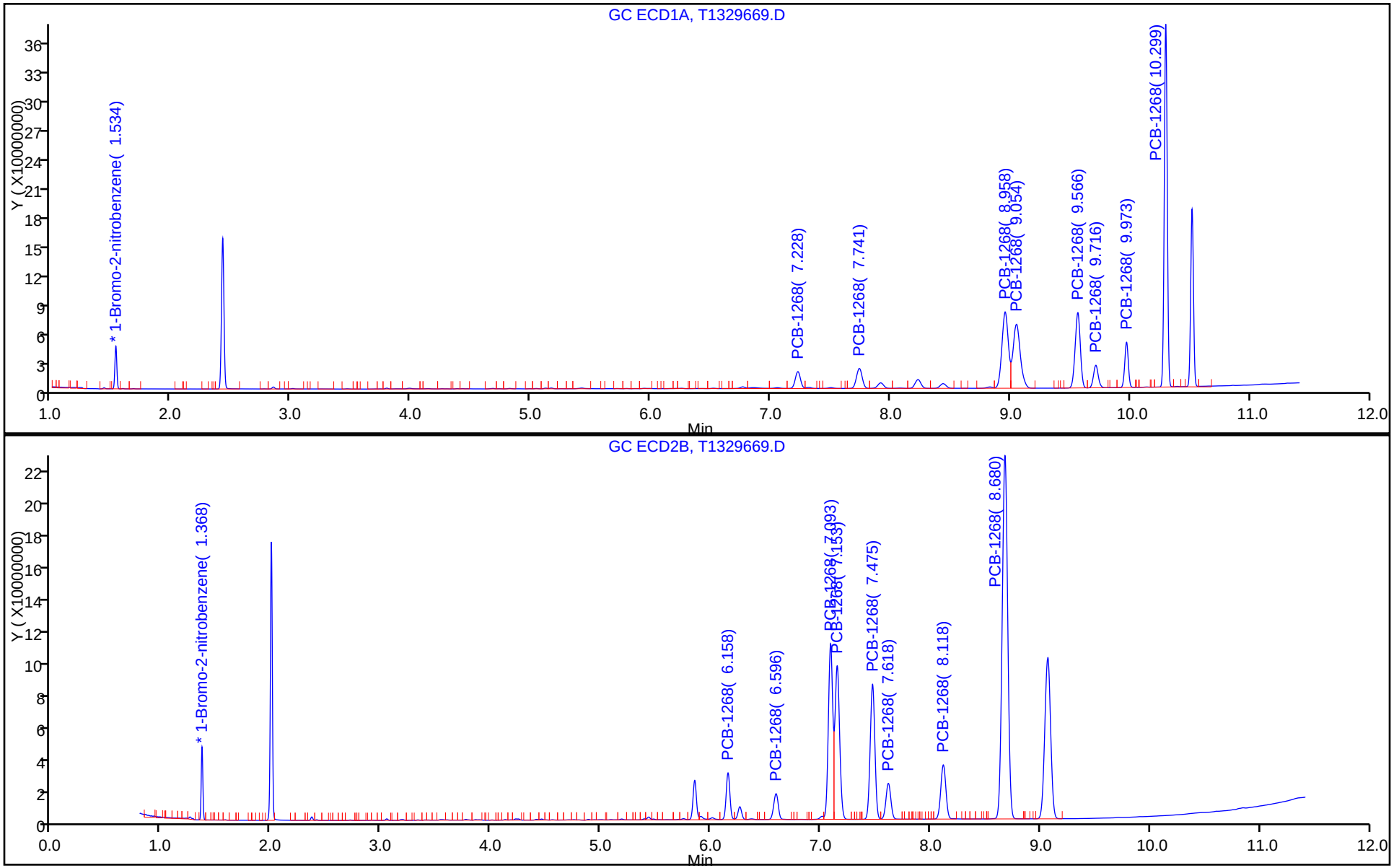
SG1268L3_00024	Amount Added: 1.00	Units: mL	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:12:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Injection Date:	17-Jun-2016 19:43:54	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:43 Calibration End Date: 06/17/2016 19:43 Calibration ID: 56356

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/14	T1329669.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0291					Ave		0.0291						20.0			0.9900
PCB-1268 Peak 2	0.0199					Ave		0.0199						20.0			0.9900
PCB-1268 Peak 3	0.1295					Ave		0.1295						20.0			0.9900
PCB-1268 Peak 4	0.1191					Ave		0.1191						20.0			0.9900
PCB-1268 Peak 5	0.1054					Ave		0.1054						20.0			0.9900
PCB-1268 Peak 6	0.0295					Ave		0.0295						20.0			0.9900
PCB-1268 Peak 7	0.0465					Ave		0.0465						20.0			0.9900
PCB-1268 Peak 8	0.3342					Ave		0.3342						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 374290

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2016 19:43 Calibration End Date: 06/17/2016 19:43 Calibration ID: 56356

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-374290/14	T1329669.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	65956426					1000				
PCB-1268 Peak 2	BNB	Ave	45181531					1000				
PCB-1268 Peak 3	BNB	Ave	293338664					1000				
PCB-1268 Peak 4	BNB	Ave	269759018					1000				
PCB-1268 Peak 5	BNB	Ave	238832073					1000				
PCB-1268 Peak 6	BNB	Ave	66742099					1000				
PCB-1268 Peak 7	BNB	Ave	105420910					1000				
PCB-1268 Peak 8	BNB	Ave	756916830					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2016 19:43:54 ALS Bottle#: 15 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-014
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub9

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:12:20 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 08:09:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.534	1.534	0.000	48876217	20.0	20.0	
2	1.368	1.368	0.000	45299420	20.0	20.0	
						RPD = 0.00	
10 PCB-1268							
1	7.228	7.228	0.000	52457685	1000.0	1000.0	a
1	7.741	7.741	0.000	68085509	1000.0	1000.0	a
1	8.958	8.958	0.000	291403355	1000.0	1000.0	a
1	9.054	9.054	0.000	276694202	1000.0	1000.0	a
1	9.566	9.566	0.000	230000843	1000.0	1000.0	a
1	9.716	9.716	0.000	63648345	1000.0	1000.0	a
1	9.973	9.973	0.000	95650107	1000.0	1000.0	a
1	10.299	10.299	0.000	642543789	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	6.158	6.158	0.000	65956426	1000.0	1000.0	a
2	6.596	6.596	0.000	45181531	1000.0	1000.0	a
2	7.093	7.093	0.000	293338664	1000.0	1000.0	a
2	7.153	7.153	0.000	269759018	1000.0	1000.0	a
2	7.475	7.475	0.000	238832073	1000.0	1000.0	a
2	7.618	7.618	0.000	66742099	1000.0	1000.0	a
2	8.118	8.118	0.000	105420910	1000.0	1000.0	a
2	8.680	8.680	0.000	756916830	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

Reagents:

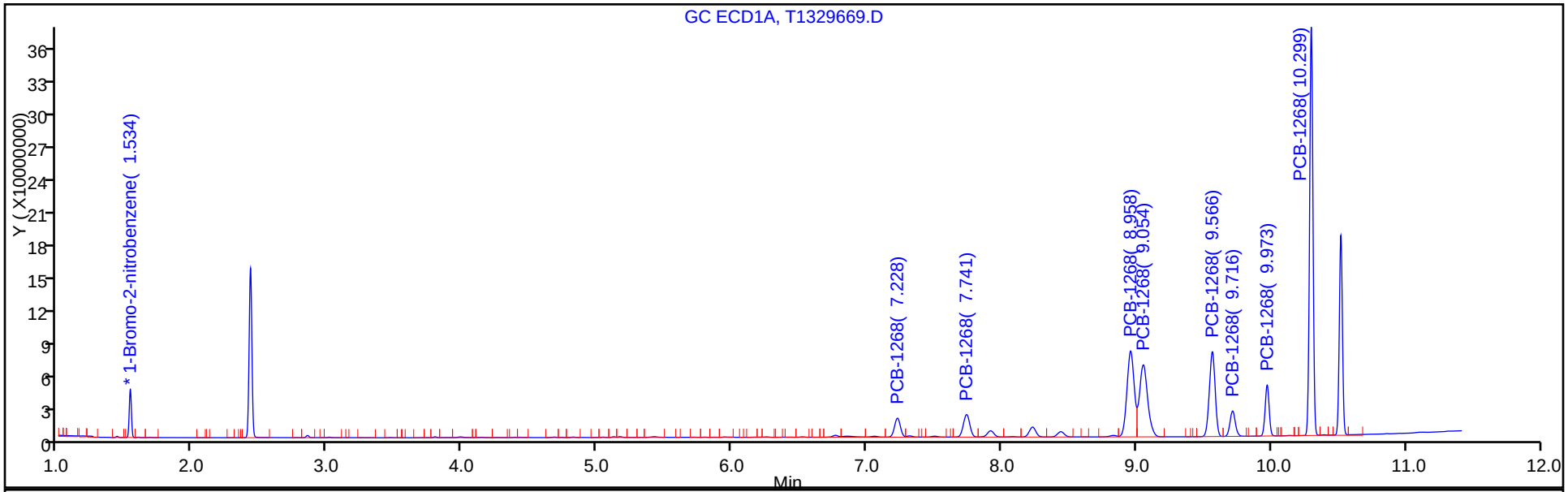
SG1268L3_00024	Amount Added: 1.00	Units: mL	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

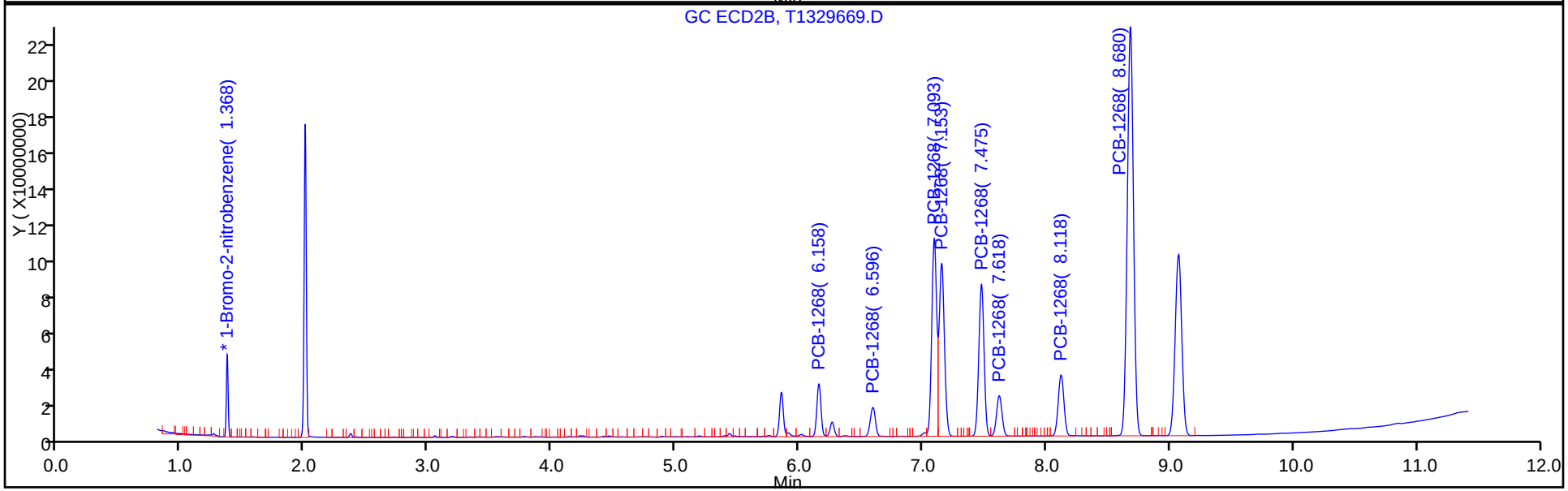
Report Date: 19-Jun-2016 09:12:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Injection Date:	17-Jun-2016 19:43:54	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 10:01 Calibration End Date: 06/14/2016 11:04 Calibration ID: 56225

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/2	8F012077.D
Level 2	IC 460-373506/3	8F012078.D
Level 3	IC 460-373506/4	8F012079.D
Level 4	IC 460-373506/5	8F012080.D
Level 5	IC 460-373506/6	8F012081.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0195	0.0210	0.0170	0.0179	0.0199	Ave		0.0190				8.4		20.0			0.9900
PCB-1016 Peak 2	0.0379	0.0448	0.0356	0.0363	0.0400	Ave		0.0389				9.5		20.0			0.9900
PCB-1016 Peak 3	0.0226	0.0220	0.0178	0.0185	0.0210	Ave		0.0204				10.5		20.0			0.9900
PCB-1016 Peak 4	0.0678	0.0794	0.0643	0.0669	0.0753	Ave		0.0707				9.0		20.0			0.9900
PCB-1016 Peak 5	0.0299	0.0352	0.0283	0.0294	0.0330	Ave		0.0312				9.1		20.0			0.9900
PCB-1016 Peak 6	0.0239	0.0255	0.0194	0.0200	0.0218	Ave		0.0221				11.5		20.0			0.9900
PCB-1016 Peak 7	0.0268	0.0334	0.0272	0.0283	0.0314	Ave		0.0294				9.7		20.0			0.9900
PCB-1016 Peak 8	0.0225	0.0239	0.0211	0.0219	0.0247	Ave		0.0228				6.4		20.0			0.9900
PCB-1260 Peak 1	0.0295	0.0267	0.0222	0.0232	0.0268	Ave		0.0257				11.5		20.0			0.9900
PCB-1260 Peak 2	0.0556	0.0562	0.0459	0.0477	0.0549	Ave		0.0520				9.3		20.0			0.9900
PCB-1260 Peak 3	0.0657	0.0683	0.0549	0.0574	0.0654	Ave		0.0623				9.4		20.0			0.9900
PCB-1260 Peak 4	0.0421	0.0455	0.0379	0.0388	0.0453	Ave		0.0419				8.5		20.0			0.9900
PCB-1260 Peak 5	0.0367	0.0452	0.0375	0.0391	0.0452	Ave		0.0407				10.2		20.0			0.9900
PCB-1260 Peak 6	0.1039	0.1107	0.0909	0.0943	0.1082	Ave		0.1016				8.5		20.0			0.9900
PCB-1260 Peak 7	0.1007	0.1129	0.0929	0.0977	0.1095	Ave		0.1027				8.1		20.0			0.9900
PCB-1260 Peak 8	0.0304	0.0336	0.0279	0.0295	0.0338	Ave		0.0310				8.4		20.0			0.9900
Tetrachloro-m-xylene	0.7969	0.9314	0.7611	0.7798	0.9117	Ave		0.8362				9.5		20.0			0.9900
DCB Decachlorobiphenyl	1.0184	1.0452	0.8152	0.8117	0.9466	Ave		0.9274				11.9		20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 10:01 Calibration End Date: 06/14/2016 11:04 Calibration ID: 56225

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/2	8F012077.D
Level 2	IC 460-373506/3	8F012078.D
Level 3	IC 460-373506/4	8F012079.D
Level 4	IC 460-373506/5	8F012080.D
Level 5	IC 460-373506/6	8F012081.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	257629	2599985	4936421	7562459	11905384	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	502236	5546226	10338791	15322754	23961696	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	299119	2716834	5171648	7803438	12619266	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	897750	9821522	18681996	28230577	45182231	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	396278	4350875	8235118	12423279	19767164	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	315921	3152554	5653300	8456629	13075233	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	354671	4131121	7919390	11962180	18825234	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	297943	2962255	6144283	9235619	14799684	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	390348	3301120	6464464	9797864	16066793	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	735861	6947781	13341340	20134364	32947168	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	870432	8449009	15961370	24219757	39237776	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	556965	5630561	11023010	16362482	27177924	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	485718	5590743	10896893	16511958	27102039	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	1375232	13689810	26413729	39818730	64898106	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	1333739	13967929	27006620	41260987	65665019	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	402913	4158277	8104160	12439703	20277361	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	2637854	11522025	22127775	32921407	43744028	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	3371198	12930543	23701895	34269264	45420003	12.5	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D
Lims ID: IC PCB 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jun-2016 10:01:04 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:01 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:34:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.649	1.645	0.004	5296425	20.0	20.0	M
2	1.379	1.383	-0.004	7107513	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.623	2.618	0.005	2637854	12.5	11.9	
2	2.032	2.038	-0.006	2986317	12.5	10.7	
						RPD = 10.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.247	3.241	0.006	257629	50.0	51.1	M
1	3.764	3.757	0.007	502236	50.0	48.7	M
1	4.062	4.050	0.012	299119	50.0	55.4	M
1	4.330	4.323	0.007	897750	50.0	47.9	M
1	4.500	4.494	0.006	396278	50.0	48.0	M
1	5.091	5.085	0.006	315921	50.0	53.9	M
1	5.246	5.239	0.007	354671	50.0	45.5	M
1	5.630	5.623	0.007	297943	50.0	49.3	M
		Average of Peak Amounts =				50.0	
2	2.414	2.418	-0.004	312298	50.0	53.6	M
2	2.794	2.800	-0.006	628534	50.0	56.0	M
2	3.009	3.014	-0.005	409873	50.0	54.2	M
2	3.303	3.309	-0.006	1193936	50.0	51.8	M
2	3.455	3.460	-0.005	433988	50.0	50.4	M
2	3.522	3.527	-0.005	300319	50.0	47.0	M
2	3.928	3.933	-0.005	454155	50.0	47.8	M
2	4.371	4.374	-0.003	244688	50.0	51.1	M
		Average of Peak Amounts =				51.5	
						RPD = 2.95	
8 PCB-1260							M
1	6.634	6.626	0.008	390348	50.0	57.4	M
1	6.897	6.888	0.009	735861	50.0	53.4	M
1	7.277	7.266	0.011	870432	50.0	52.7	M
1	8.165	8.157	0.008	556965	50.0	50.2	M
1	8.594	8.582	0.012	485718	50.0	45.0	M
1	8.908	8.893	0.015	1375232	50.0	51.1	M
1	9.288	9.268	0.020	1333739	50.0	49.0	M
1	9.825	9.795	0.030	402913	50.0	49.0	M
		Average of Peak Amounts =				51.0	
2	5.362	5.363	-0.001	911699	50.0	55.5	M
2	6.078	6.079	-0.001	1374965	50.0	50.5	M
2	6.247	6.248	-0.001	814340	50.0	55.3	M
2	6.608	6.609	-0.001	930089	50.0	58.7	M
2	7.120	7.122	-0.002	1865890	50.0	50.0	M
2	7.635	7.638	-0.003	853910	50.0	47.8	
2	7.810	7.818	-0.008	506136	50.0	42.4	
2	8.673	8.667	0.006	434893	50.0	46.5	M
		Average of Peak Amounts =				50.8	
						RPD = 0.27	
$ 11 DCB Decachlorobiphenyl							M
1	10.303	10.264	0.039	3371198	12.5	13.7	M
2	9.181	9.165	0.016	3741407	12.5	13.0	M
						RPD = 5.15	
S 12 Polychlorinated biphenyls, Total							
1						101.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

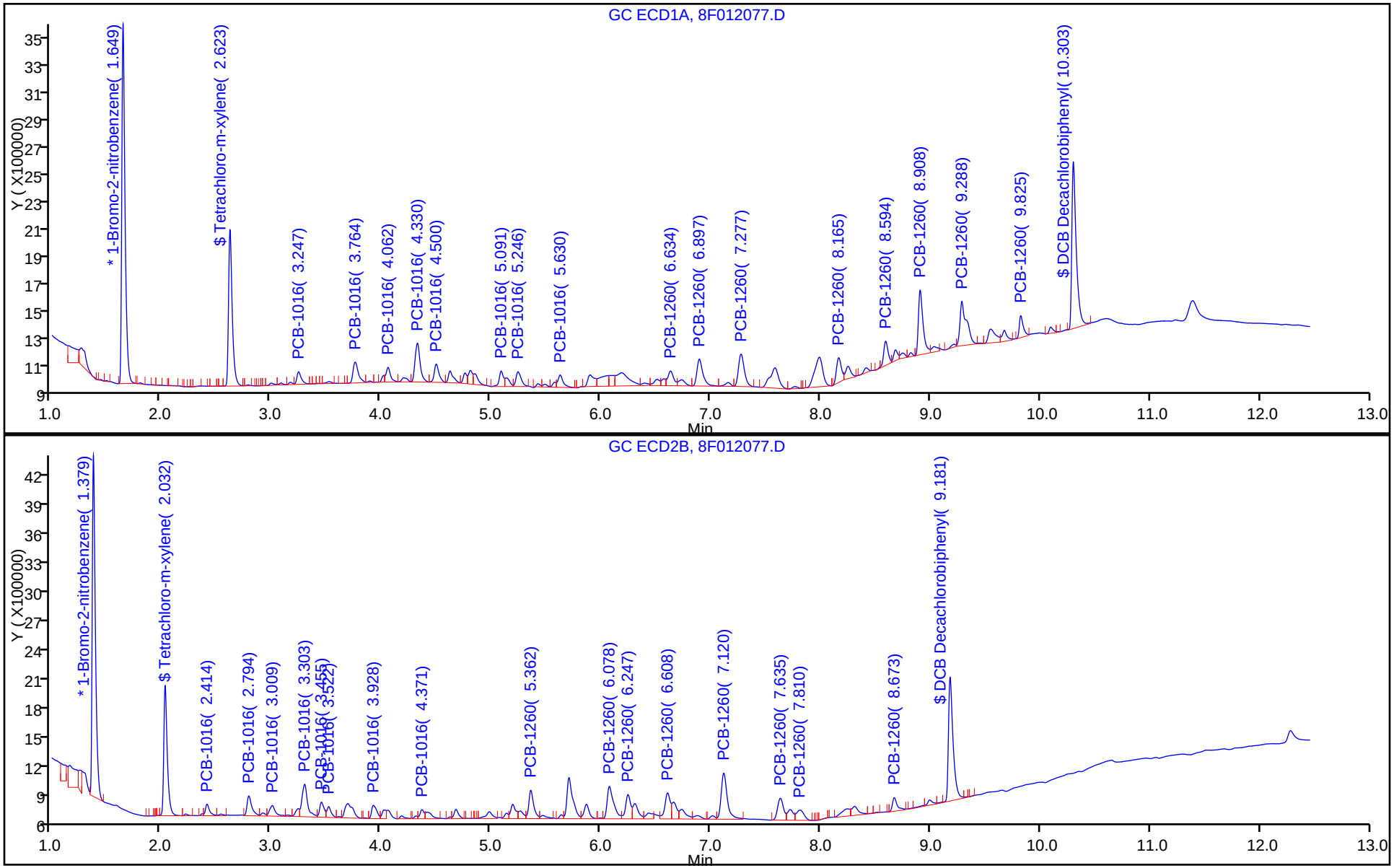
SG1660(LVI)L1_00009	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D

Injection Date:	14-Jun-2016 10:01:04	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

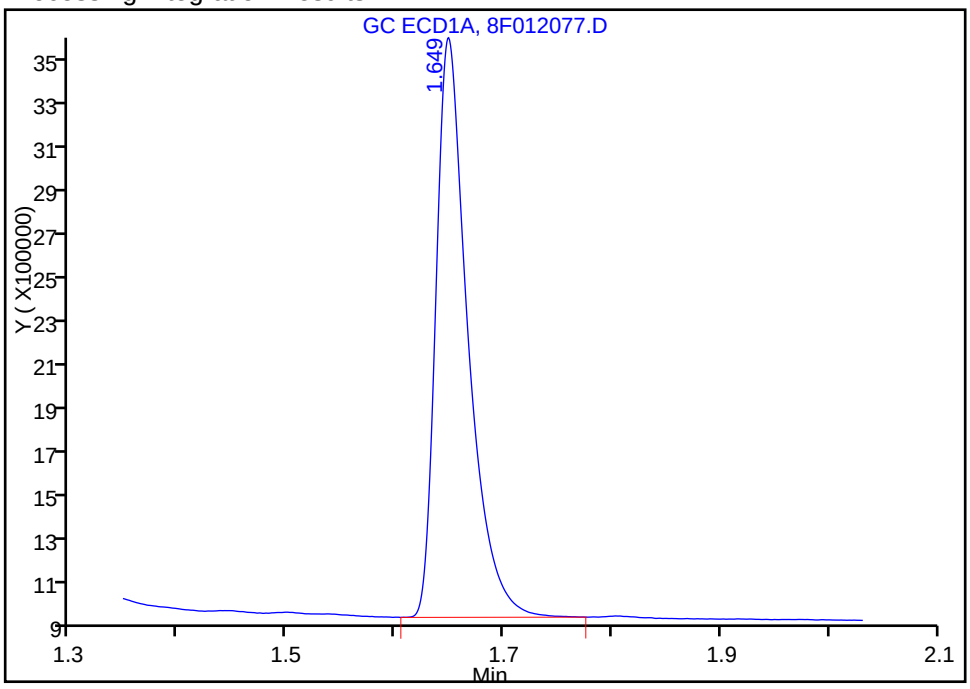
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D				
Injection Date:	14-Jun-2016 10:01:04	Instrument ID:	CPESTGC8		
Lims ID:	IC PCB 1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

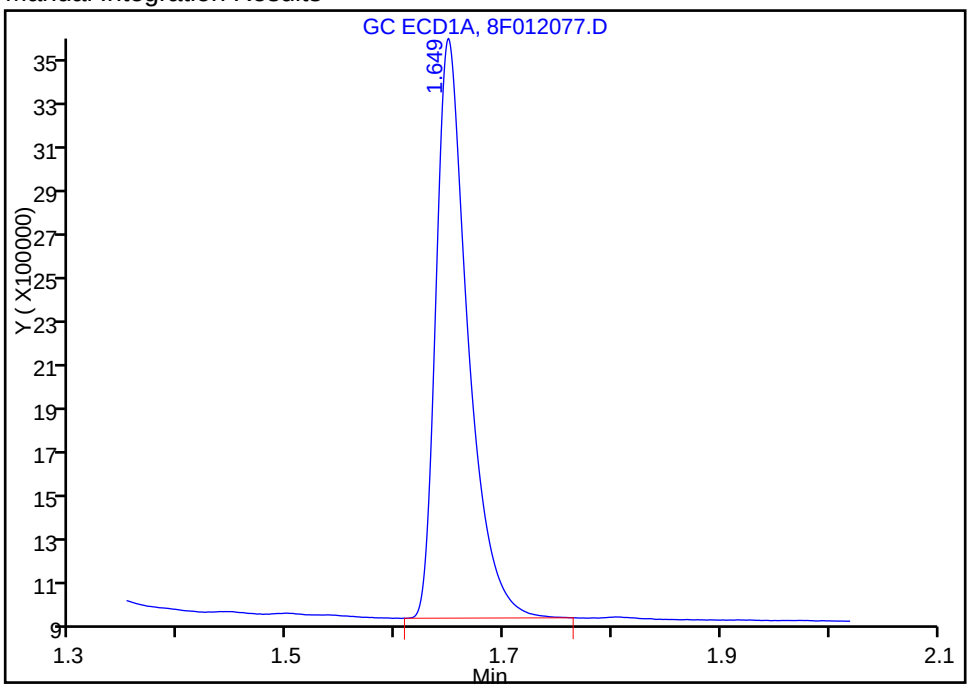
Processing Integration Results

RT: 1.65
Area: 5307177
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.65
Area: 5296425
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:42:21

Audit Action: Manually Integrated Audit Reason: Peak not integrated

Report Date: 16-Jun-2016 12:18:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D

Injection Date: 14-Jun-2016 10:01:04 Instrument ID: CPESTGC8

Lims ID: IC PCB 1

Client ID:

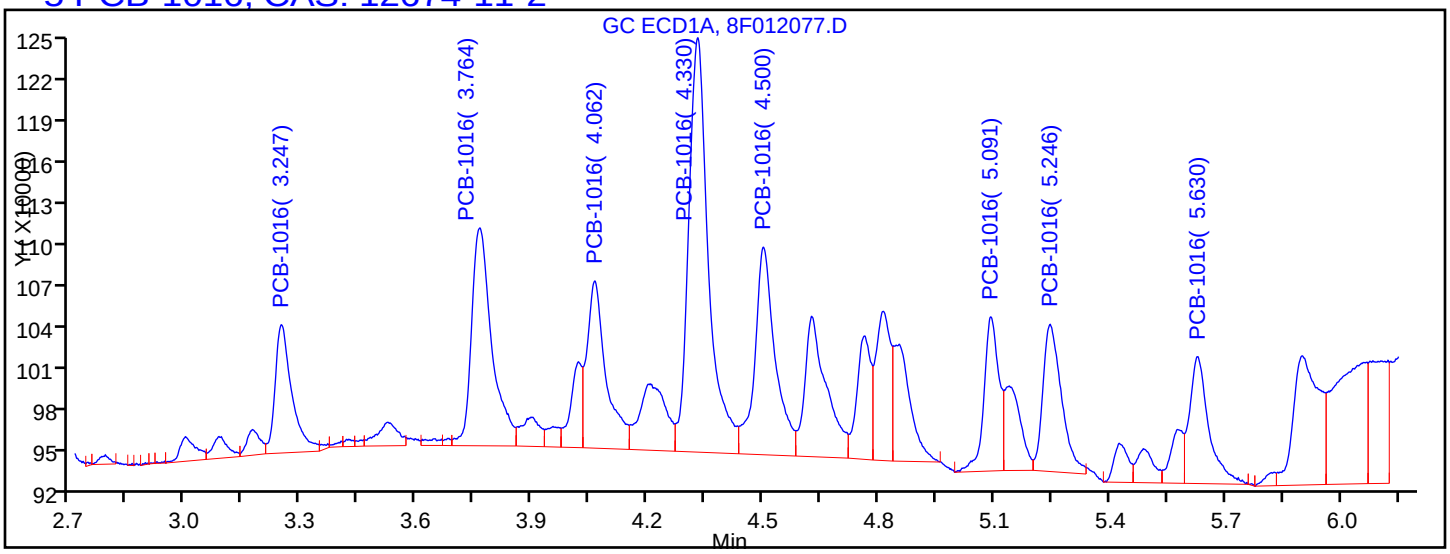
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

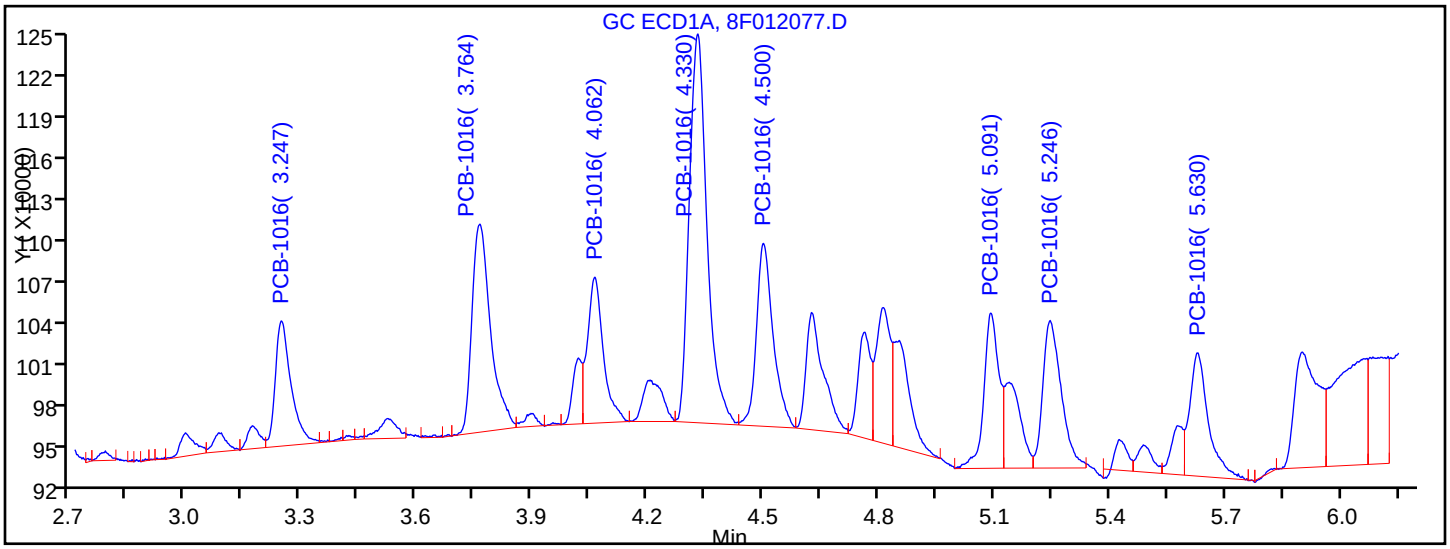
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.247	Response = 279473	M
RT = 3.764	Response = 577250	M
RT = 4.062	Response = 414713	M
RT = 4.330	Response = 1079005	M
RT = 4.500	Response = 553812	M
RT = 5.091	Response = 301834	M
RT = 5.246	Response = 357175	M
RT = 5.630	Response = 315868	M



Manual Integration Results

RT = 3.247	Response = 257629	M
RT = 3.764	Response = 502236	M
RT = 4.062	Response = 299119	M
RT = 4.330	Response = 897750	M
RT = 4.500	Response = 396278	M
RT = 5.091	Response = 315921	M

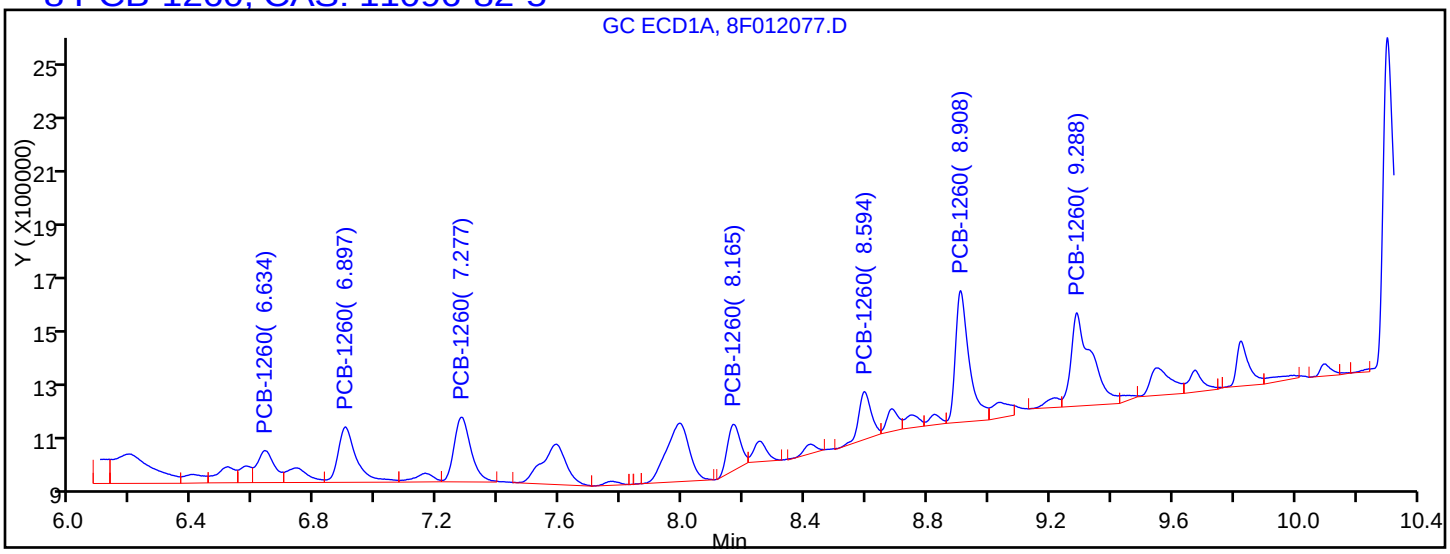
Report Date: 16-Jun-2016 12:18:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D

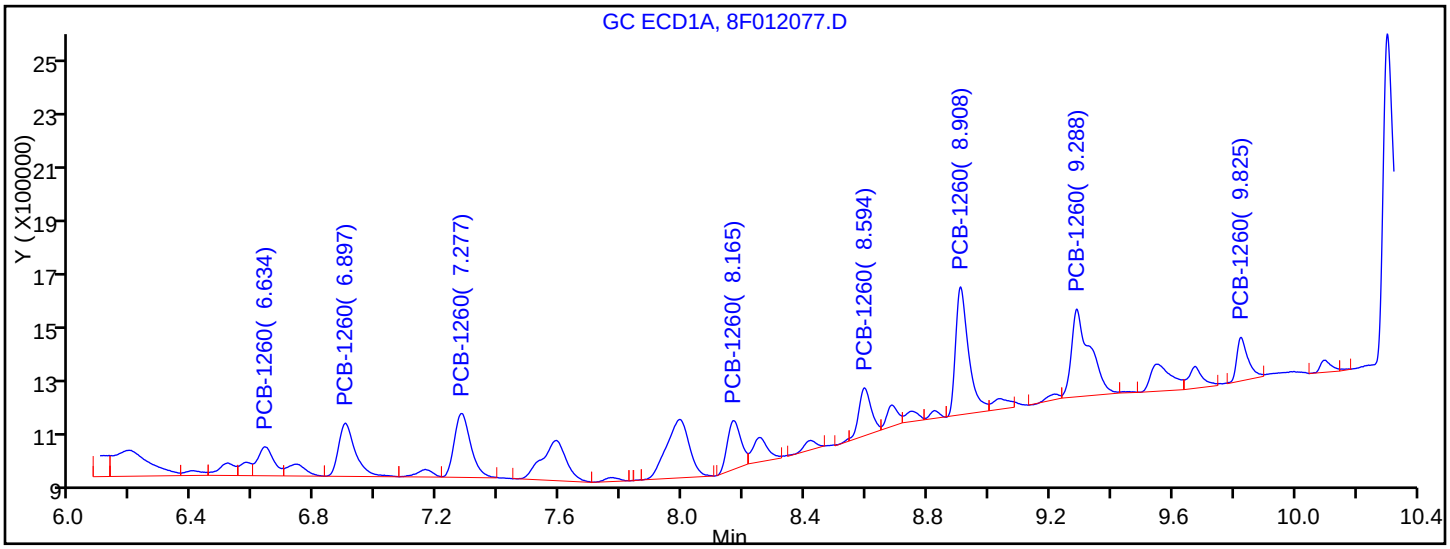
Injection Date:	14-Jun-2016 10:01:04	Instrument ID:	CPESTGC8		
Lims ID:	IC PCB 1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.634	Response = 457619	M
RT = 6.897	Response = 843017	M
RT = 7.277	Response = 898045	M
RT = 8.165	Response = 495302	M
RT = 8.594	Response = 495025	M
RT = 8.908	Response = 1501001	M
RT = 9.288	Response = 1578609	M
RT = 9.756	Response = 3422	M



Manual Integration Results

RT = 6.634	Response = 390348	M
RT = 6.897	Response = 735861	M
RT = 7.277	Response = 870432	M
RT = 8.165	Response = 556965	M
RT = 8.594	Response = 485718	M
RT = 8.908	Response = 1375232	M

Manual Integration/User Assign Peak Report

TestAmerica Edison

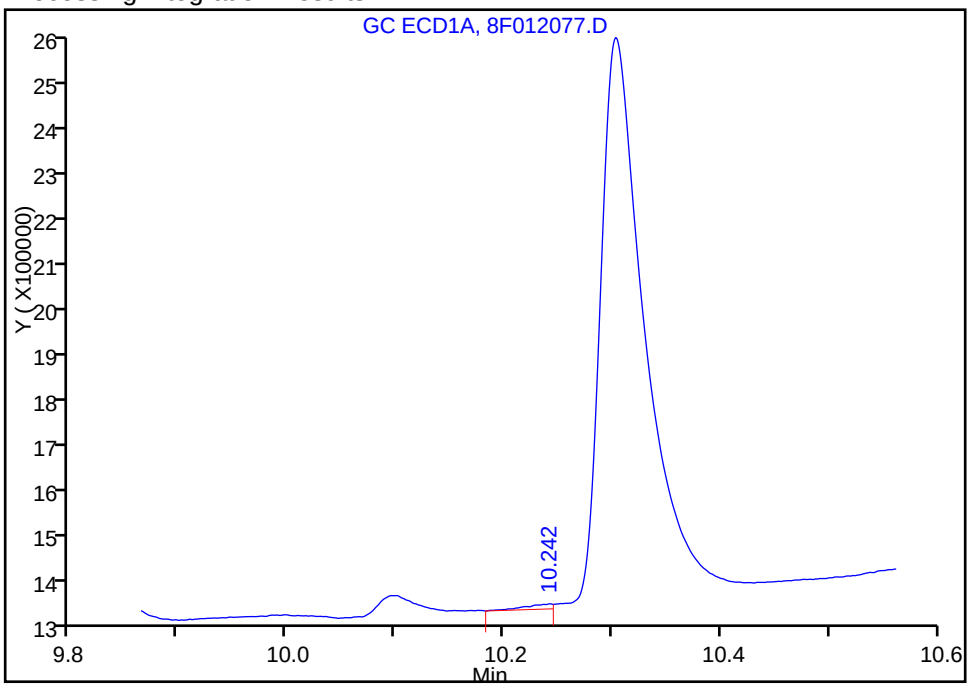
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D				
Injection Date:	14-Jun-2016 10:01:04	Instrument ID:	CPESTGC8		
Lims ID:	IC PCB 1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

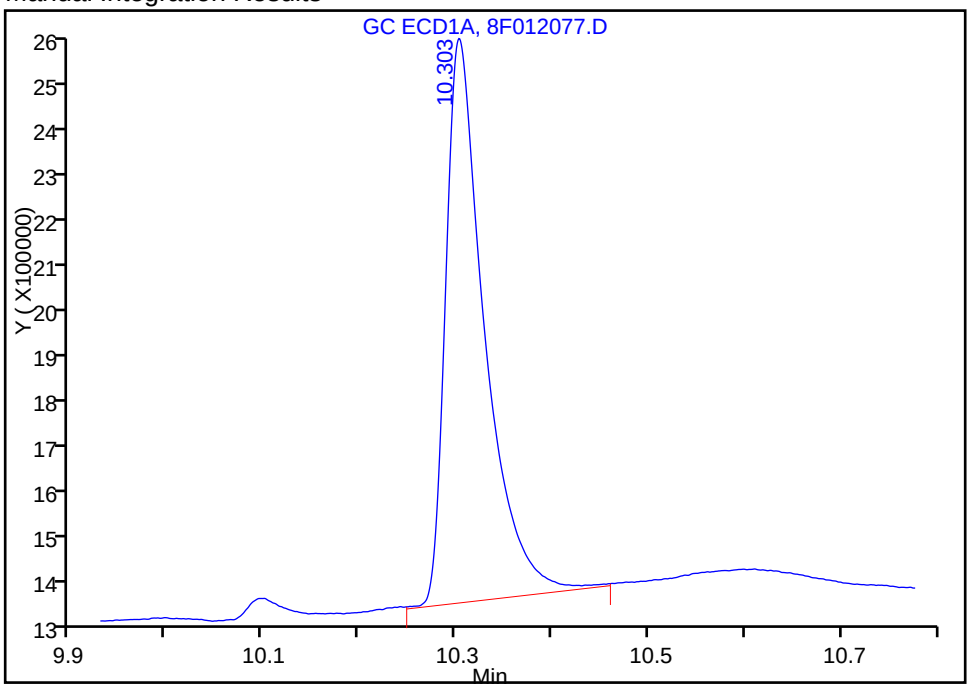
Processing Integration Results

RT: 10.24
Area: 19283
Amount: 0.066874
Amount Units: ug/l



Manual Integration Results

RT: 10.30
Area: 3371198
Amount: 13.725991
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:37:24

Audit Action: Manually Integrated Audit Reason: Peak not integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D
Lims ID: IC PCB 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Jun-2016 10:17:01 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:13 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:34:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.644	1.645	-0.001	4948495	20.0	20.0	M
2	1.381	1.383	-0.002	6715505	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.618	2.618	0.000	11522025	50.0	55.7	
2	2.036	2.038	-0.002	11444854	50.0	43.4	M
						RPD = 24.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.239	3.241	-0.002	2599985	500.0	551.8	M
1	3.756	3.757	-0.001	5546226	500.0	576.0	M
1	4.049	4.050	-0.001	2716834	500.0	539.0	M
1	4.323	4.323	0.000	9821522	500.0	561.2	M
1	4.494	4.494	0.000	4350875	500.0	564.3	M
1	5.085	5.085	0.000	3152554	500.0	575.9	M
1	5.239	5.239	0.000	4131121	500.0	567.4	M
1	5.622	5.623	-0.001	2962255	500.0	524.5	M
		Average of Peak Amounts =				557.5	
2	2.416	2.418	-0.002	2652911	500.0	482.0	M
2	2.798	2.800	-0.002	5201043	500.0	490.5	M
2	3.012	3.014	-0.002	3425003	500.0	479.3	M
2	3.307	3.309	-0.002	10769420	500.0	494.5	M
2	3.458	3.460	-0.002	4083323	500.0	501.5	M
2	3.524	3.527	-0.003	2941989	500.0	487.6	M
2	3.931	3.933	-0.002	4542425	500.0	505.7	
2	4.372	4.374	-0.002	2258811	500.0	499.6	
		Average of Peak Amounts =				492.6	
						RPD = 12.37	
8 PCB-1260							M
1	6.626	6.626	0.000	3301120	500.0	519.6	M
1	6.888	6.888	0.000	6947781	500.0	539.5	M
1	7.266	7.266	0.000	8449009	500.0	547.7	M
1	8.156	8.157	-0.001	5630561	500.0	543.0	M
1	8.579	8.582	-0.003	5590743	500.0	554.8	M
1	8.888	8.893	-0.005	13689810	500.0	544.7	M
1	9.259	9.268	-0.009	13967929	500.0	549.4	M
1	9.780	9.795	-0.015	4158277	500.0	541.5	M
		Average of Peak Amounts =				542.5	
2	5.362	5.363	-0.001	7886967	500.0	507.8	
2	6.078	6.079	-0.001	13139153	500.0	511.1	
2	6.247	6.248	-0.001	7061498	500.0	507.7	
2	6.608	6.609	-0.001	7251548	500.0	484.7	
2	7.119	7.122	-0.003	17058047	500.0	484.2	
2	7.636	7.638	-0.002	8333455	500.0	493.3	
2	7.815	7.818	-0.003	5564608	500.0	493.3	
2	8.663	8.667	-0.004	4343254	500.0	491.7	
		Average of Peak Amounts =				496.7	
						RPD = 8.81	
$ 11 DCB Decachlorobiphenyl							M
1	10.245	10.264	-0.019	12930543	50.0	56.3	
2	9.157	9.165	-0.008	13988834	50.0	51.6	M
						RPD = 8.82	
S 12 Polychlorinated biphenyls, Total							
1						1100.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

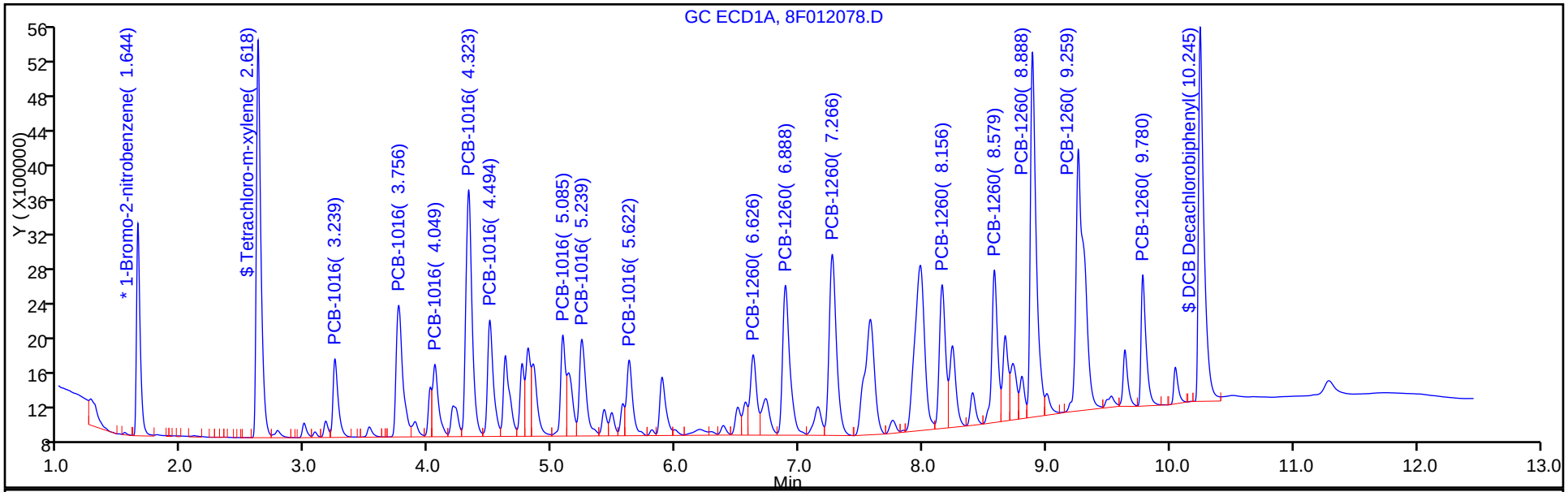
SG1660L2_00022	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

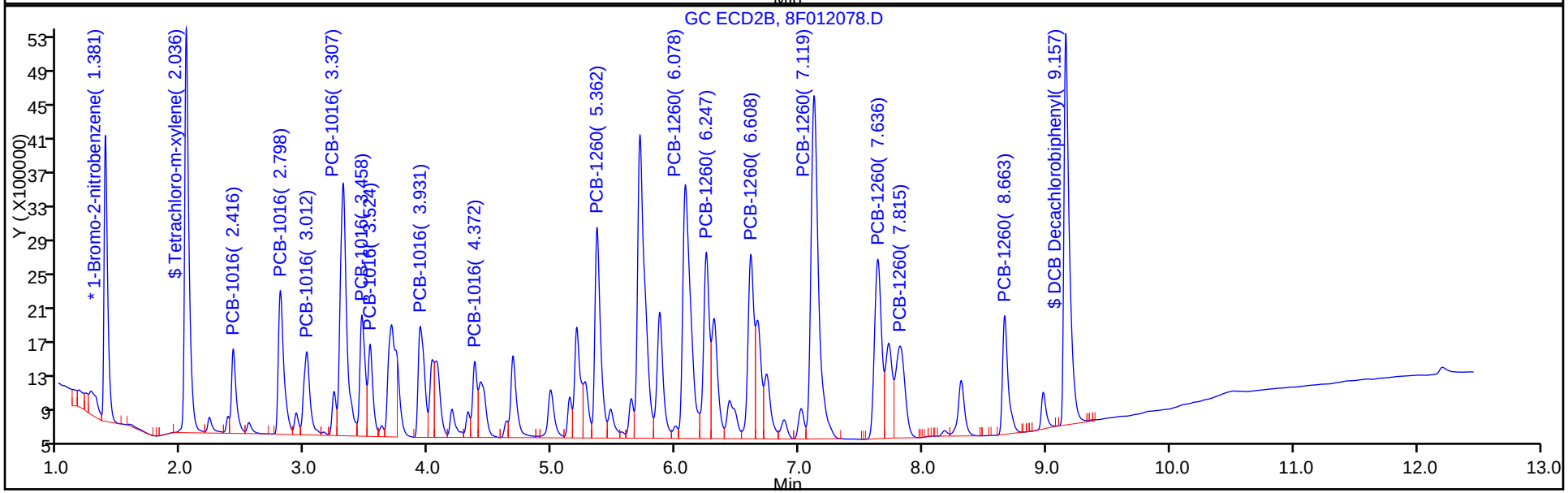
Report Date: 16-Jun-2016 12:18:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D

Injection Date:	14-Jun-2016 10:17:01	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

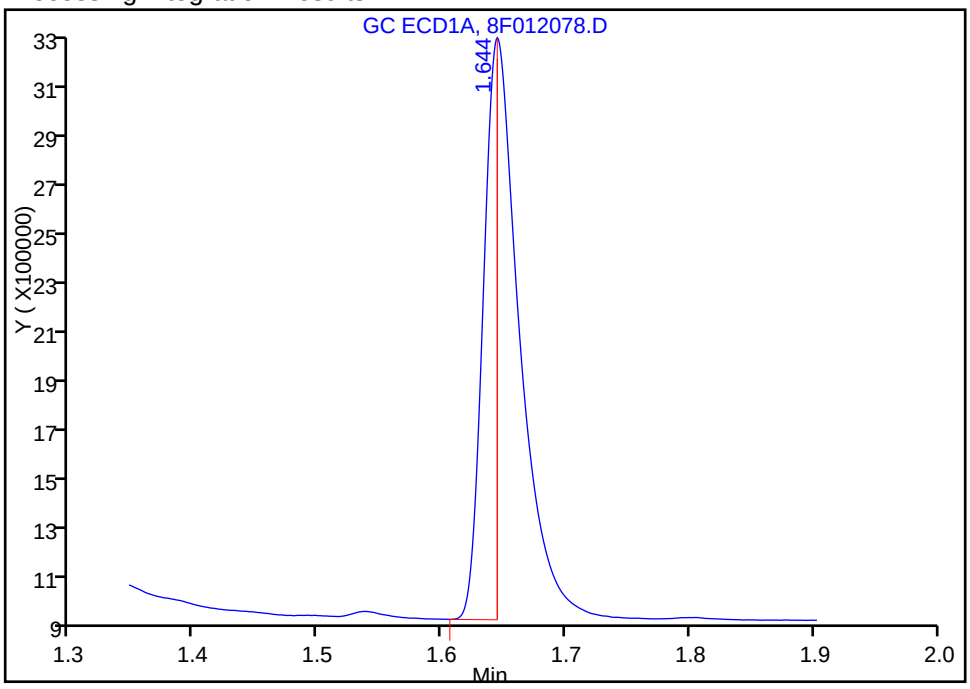
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D
Injection Date: 14-Jun-2016 10:17:01 Instrument ID: CPESTGC8
Lims ID: IC PCB 2
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

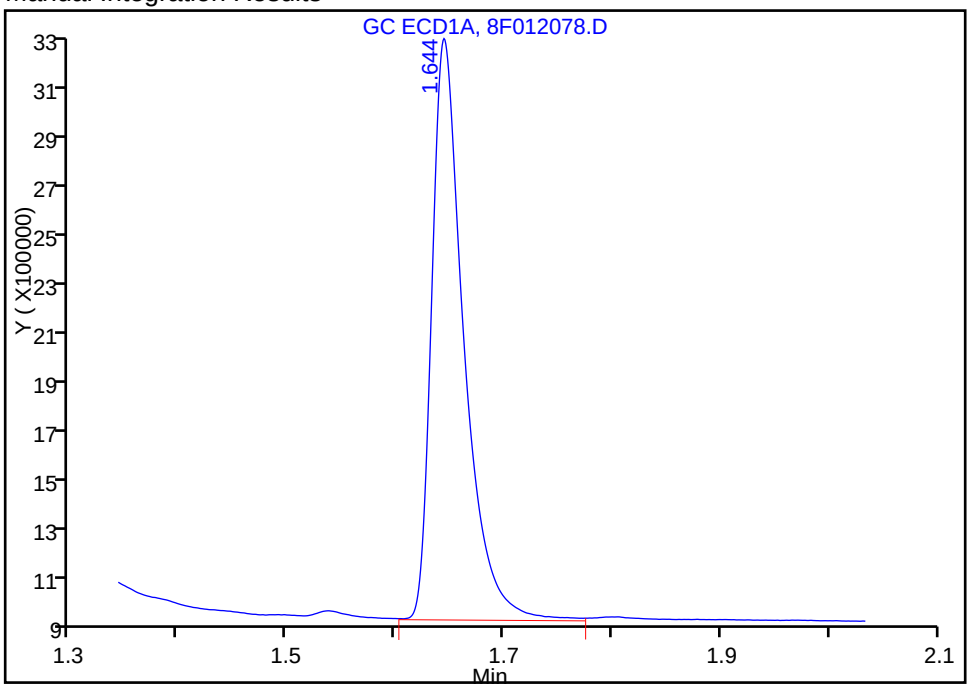
Processing Integration Results

RT: 1.64
Area: 1814826
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.64
Area: 4948495
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:48:22
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 16-Jun-2016 12:18:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D

Injection Date: 14-Jun-2016 10:17:01 Instrument ID: CPESTGC8

Lims ID: IC PCB 2

Client ID:

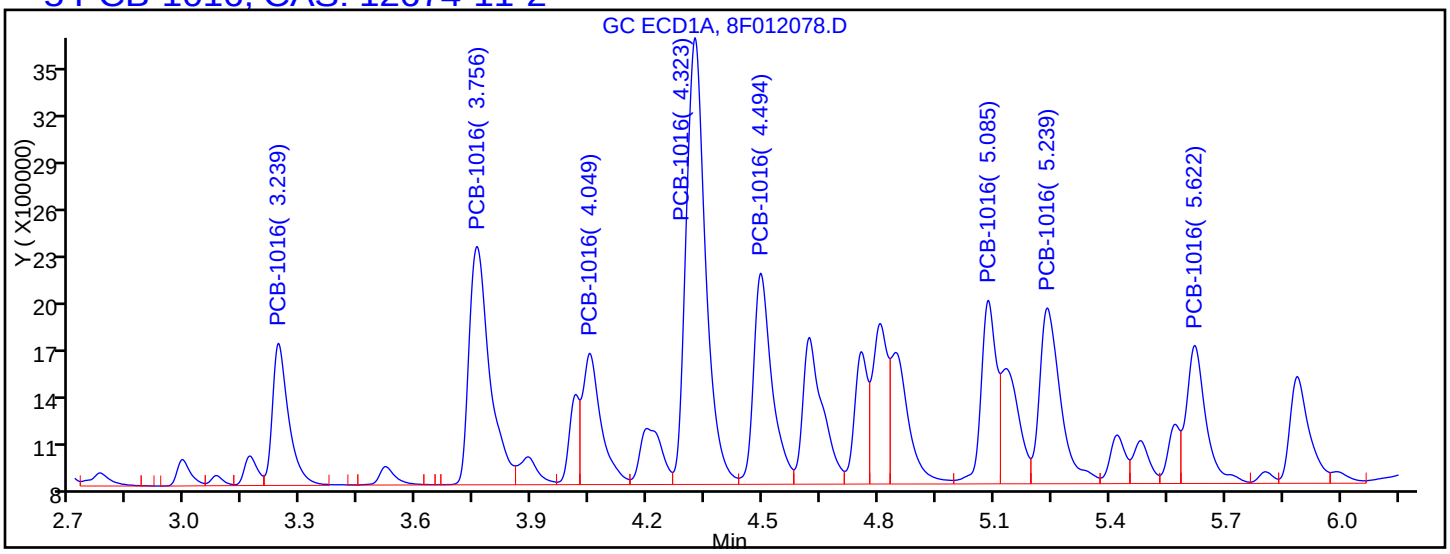
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

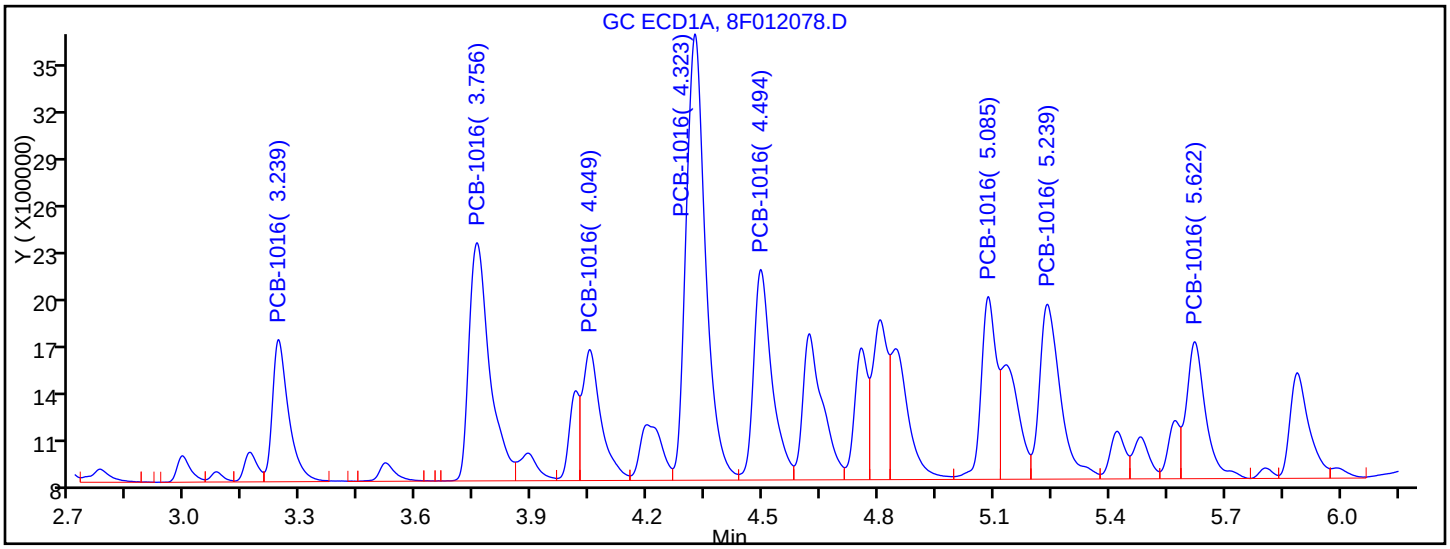
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.239	Response = 2597366	M
RT = 3.756	Response = 5557585	M
RT = 4.049	Response = 2732668	M
RT = 4.323	Response = 9851804	M
RT = 4.494	Response = 4379310	M
RT = 5.085	Response = 3188291	M
RT = 5.239	Response = 4191672	M
RT = 5.622	Response = 3035536	M



Manual Integration Results

RT = 3.239	Response = 2599985	M
RT = 3.756	Response = 5546226	M
RT = 4.049	Response = 2716834	M
RT = 4.323	Response = 9821522	M
RT = 4.494	Response = 4350875	M
RT = 5.085	Response = 3152554	M

Report Date: 16-Jun-2016 12:18:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D

Injection Date: 14-Jun-2016 10:17:01 Instrument ID: CPESTGC8

Lims ID: IC PCB 2

Client ID:

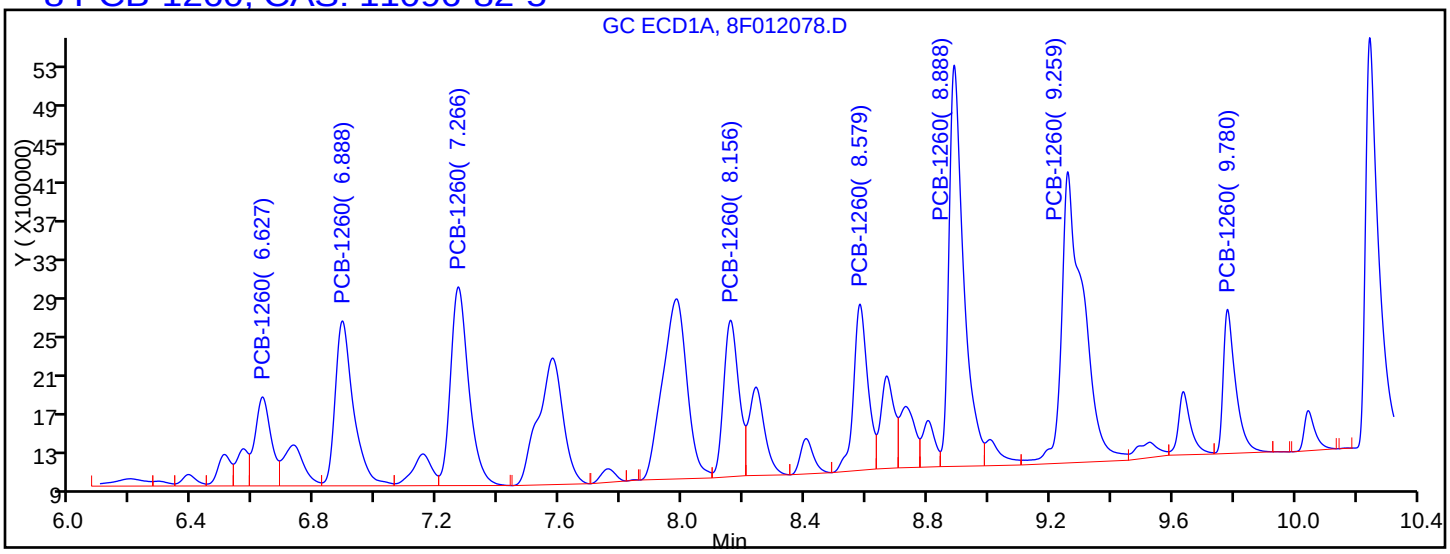
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

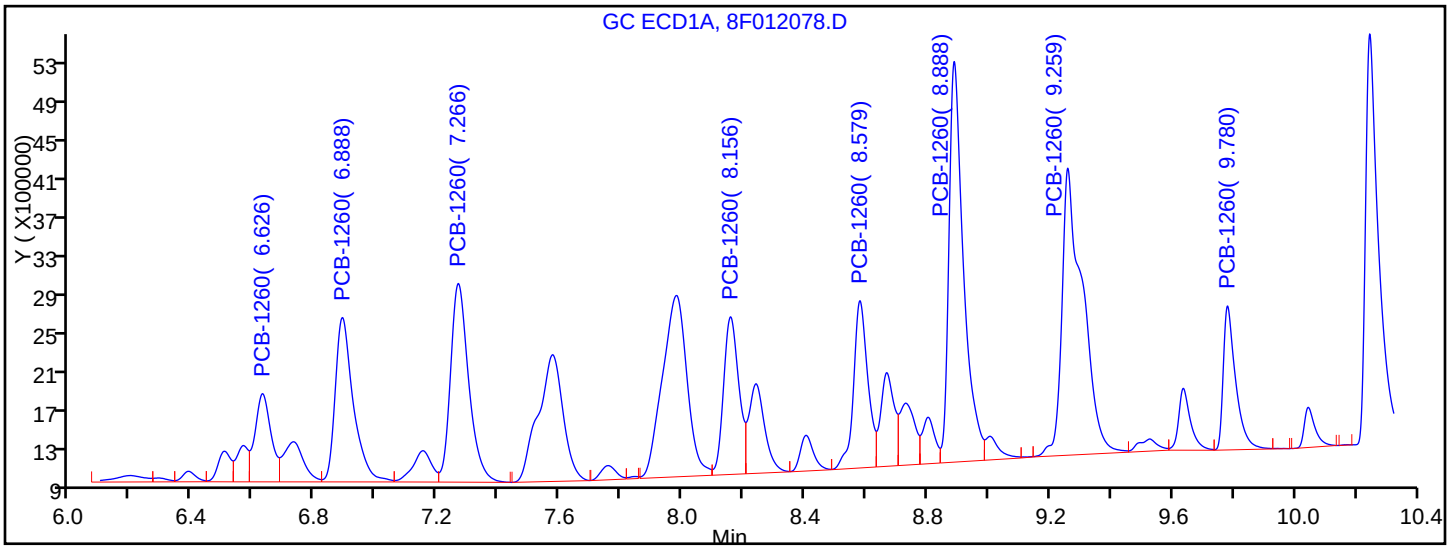
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.627	Response = 3351193	M
RT = 6.888	Response = 7049818	M
RT = 7.266	Response = 8469164	M
RT = 8.156	Response = 5566762	M
RT = 8.579	Response = 5522270	M
RT = 8.888	Response = 13810218	M
RT = 9.259	Response = 14946132	M
RT = 9.780	Response = 4166528	M



Manual Integration Results

RT = 6.626	Response = 3301120	M
RT = 6.888	Response = 6947781	M
RT = 7.266	Response = 8449009	M
RT = 8.156	Response = 5630561	M
RT = 8.579	Response = 5590743	M
RT = 8.888	Response = 13689810	M

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D
Lims ID: IC PCB 3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 14-Jun-2016 10:32:56 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-004
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:23 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:28:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.644	1.644	0.000	5814695	20.0	20.0	M
2	1.382	1.382	0.000	6321071	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.617	2.617	0.000	22127775	100.0	91.0	M
2	2.036	2.036	0.000	30309745	100.0	122.1	
						RPD = 29.14	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.239	3.239	0.000	4936421	1000.0	891.6	M
1	3.756	3.756	0.000	10338791	1000.0	913.8	M
1	4.049	4.049	0.000	5171648	1000.0	873.1	M
1	4.322	4.322	0.000	18681996	1000.0	908.5	M
1	4.493	4.493	0.000	8235118	1000.0	909.0	M
1	5.085	5.085	0.000	5653300	1000.0	878.9	M
1	5.238	5.238	0.000	7919390	1000.0	925.6	M
1	5.621	5.621	0.000	6144283	1000.0	925.8	M
		Average of Peak Amounts =				903.3	
2	2.416	2.416	0.000	5169724	1000.0	997.9	
2	2.798	2.798	0.000	9733967	1000.0	975.3	
2	3.012	3.012	0.000	6569824	1000.0	976.7	
2	3.307	3.307	0.000	20281378	1000.0	989.3	
2	3.458	3.458	0.000	7674645	1000.0	1001.5	
2	3.525	3.525	0.000	5694889	1000.0	1002.7	
2	3.931	3.931	0.000	8585265	1000.0	1015.5	
2	4.372	4.372	0.000	4282751	1000.0	1006.4	
		Average of Peak Amounts =				995.6	
						RPD = 9.73	
8 PCB-1260							M
1	6.626	6.626	0.000	6464464	1000.0	865.9	M
1	6.886	6.886	0.000	13341340	1000.0	881.6	M
1	7.266	7.266	0.000	15961370	1000.0	880.6	
1	8.155	8.155	0.000	11023010	1000.0	904.6	M
1	8.579	8.579	0.000	10896893	1000.0	920.2	M
1	8.886	8.886	0.000	26413729	1000.0	894.4	M
1	9.259	9.259	0.000	27006620	1000.0	904.1	M
1	9.781	9.781	0.000	8104160	1000.0	898.1	M
		Average of Peak Amounts =				893.7	
2	5.363	5.363	0.000	14347856	1000.0	981.5	
2	6.078	6.078	0.000	24332258	1000.0	1005.5	
2	6.247	6.247	0.000	12797733	1000.0	977.6	
2	6.607	6.607	0.000	13735795	1000.0	975.4	
2	7.120	7.120	0.000	34168030	1000.0	1030.4	
2	7.636	7.636	0.000	16631799	1000.0	1045.9	
2	7.816	7.816	0.000	11278131	1000.0	1062.1	M
2	8.663	8.663	0.000	8485602	1000.0	1020.5	
		Average of Peak Amounts =				1012.4	
						RPD = 12.45	
$ 11 DCB Decachlorobiphenyl							M
1	10.247	10.247	0.000	23701895	100.0	87.9	M
2	9.157	9.157	0.000	25835110	100.0	101.2	
						RPD = 14.09	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

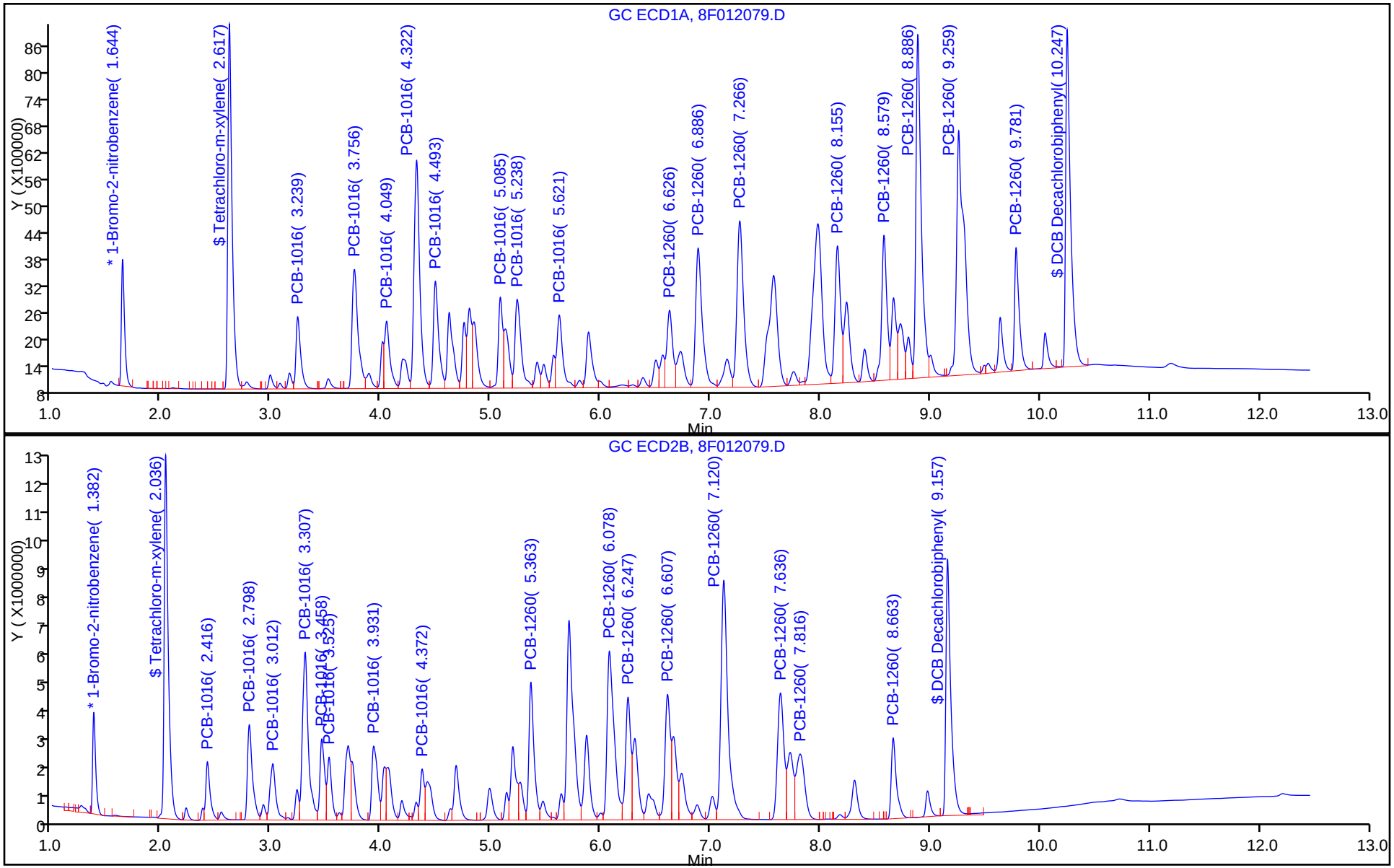
SG1660L3_00028	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D

Injection Date:	14-Jun-2016 10:32:56	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

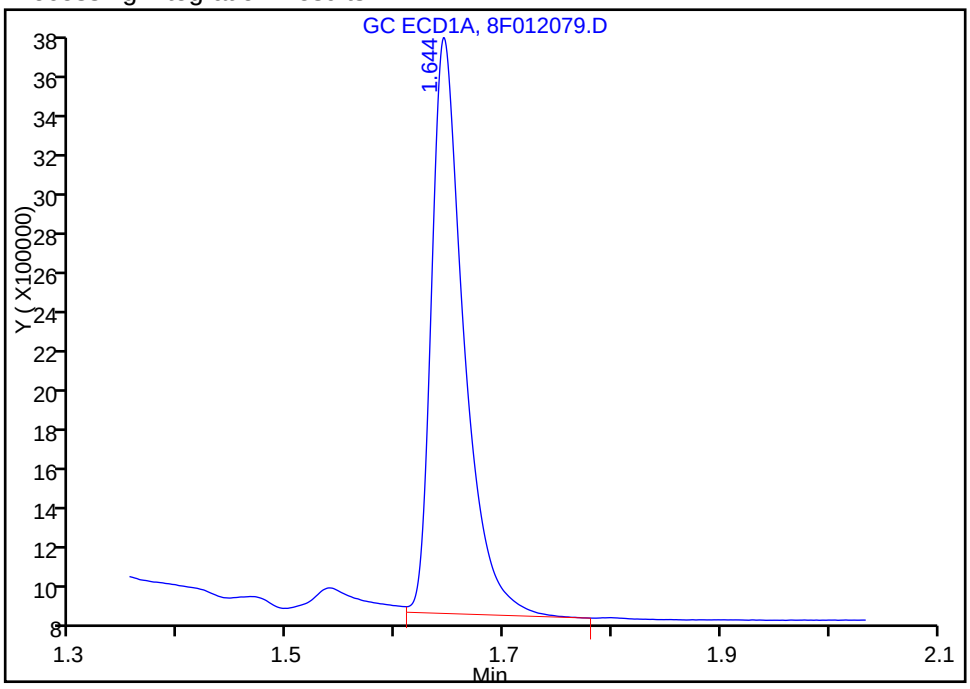
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D
Injection Date: 14-Jun-2016 10:32:56 Instrument ID: CPESTGC8
Lims ID: IC PCB 3
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

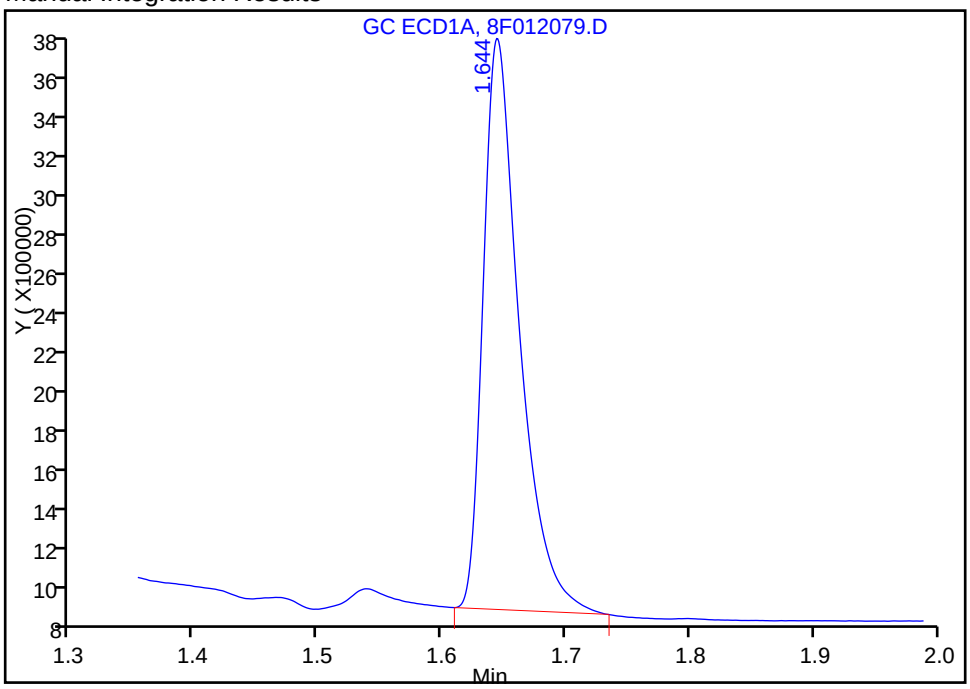
Processing Integration Results

RT: 1.64
Area: 5986275
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.64
Area: 5814695
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:48:05
Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

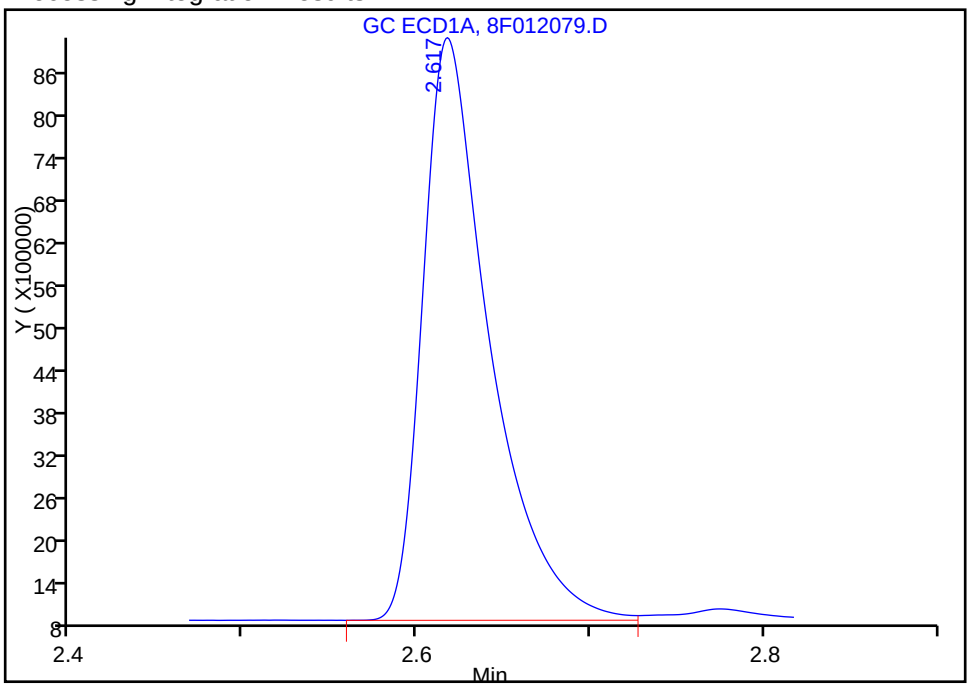
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D				
Injection Date:	14-Jun-2016 10:32:56	Instrument ID:	CPESTGC8		
Lims ID:	IC PCB 3				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

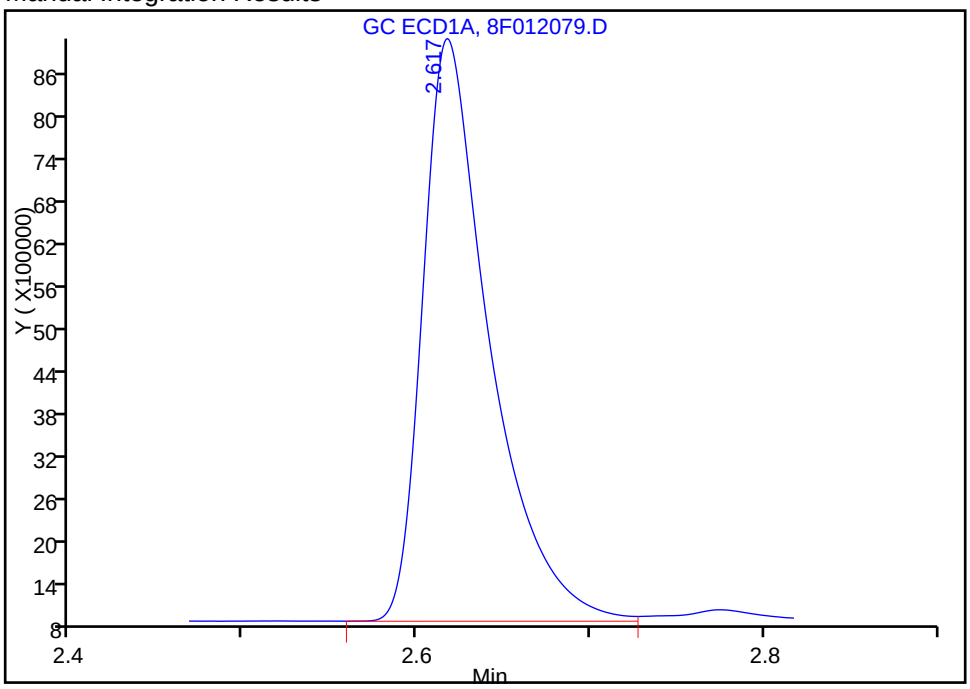
Processing Integration Results

RT: 2.62
Area: 22114494
Amount: 90.881828
Amount Units: ug/l



Manual Integration Results

RT: 2.62
Area: 22127775
Amount: 91.022402
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:48:05
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 16-Jun-2016 12:18:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D

Injection Date: 14-Jun-2016 10:32:56 Instrument ID: CPESTGC8

Lims ID: IC PCB 3

Client ID:

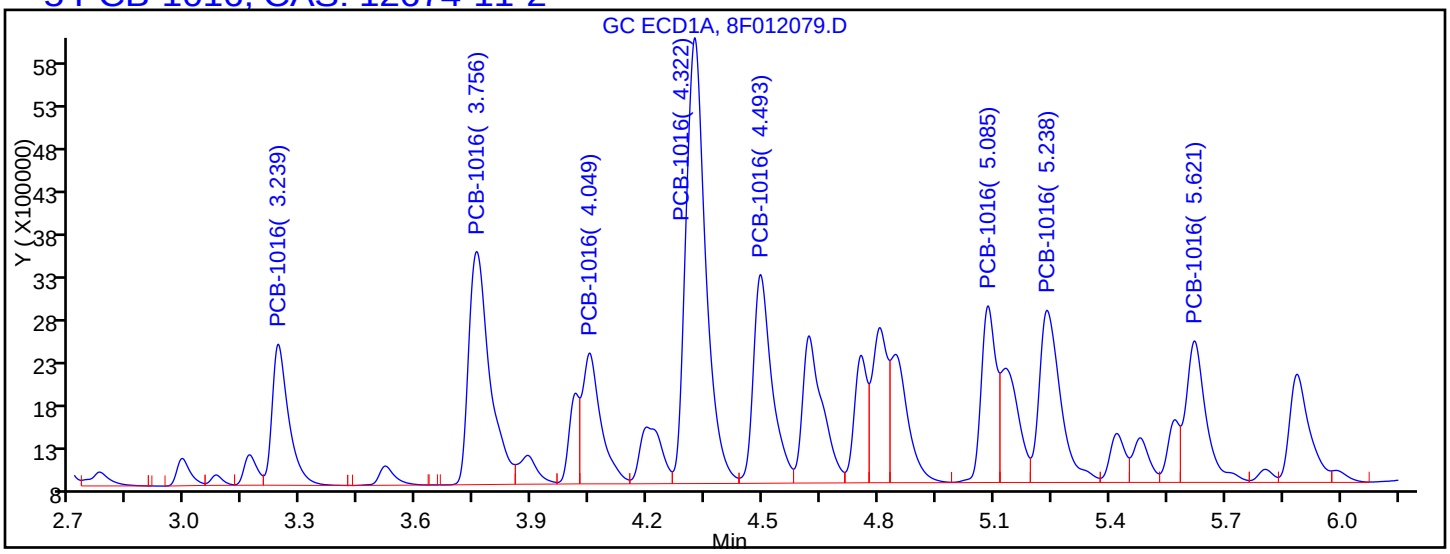
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

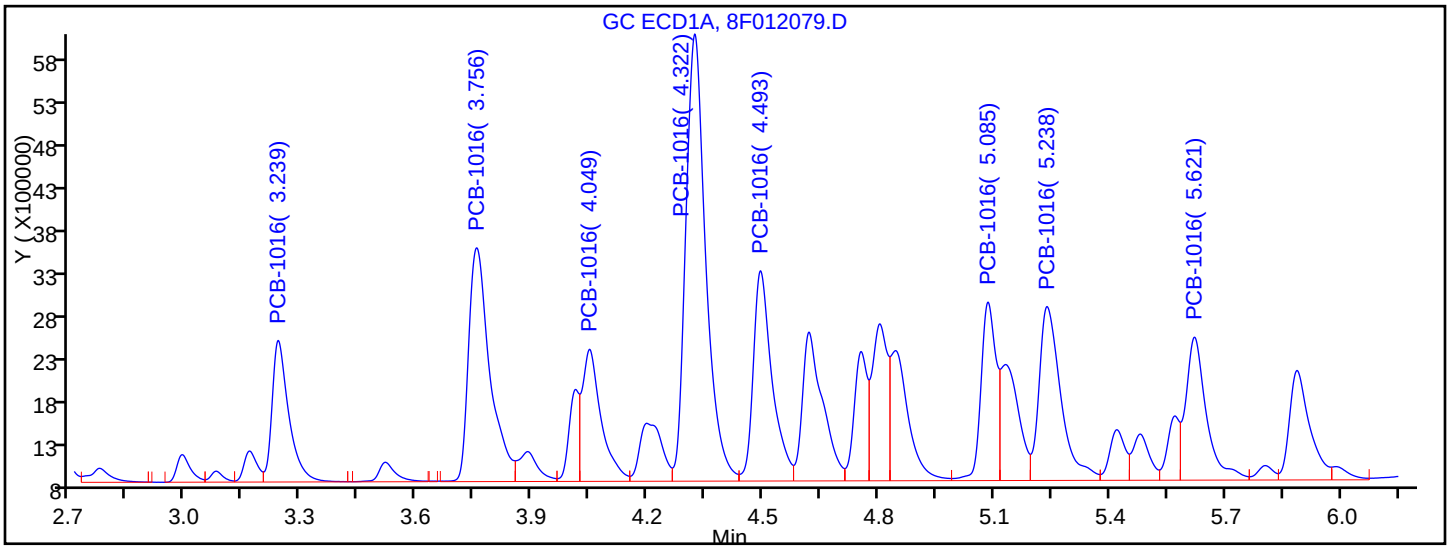
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.239	Response = 4876773	M
RT = 3.756	Response = 10234784	M
RT = 4.049	Response = 5056824	M
RT = 4.322	Response = 18513963	M
RT = 4.493	Response = 8083027	M
RT = 5.085	Response = 5494682	M
RT = 5.238	Response = 7700698	M
RT = 5.621	Response = 5959362	M



Manual Integration Results

RT = 3.239	Response = 4936421	M
RT = 3.756	Response = 10338791	M
RT = 4.049	Response = 5171648	M
RT = 4.322	Response = 18681996	M
RT = 4.493	Response = 8235118	M
RT = 5.085	Response = 5653300	M

Report Date: 16-Jun-2016 12:18:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D

Injection Date: 14-Jun-2016 10:32:56 Instrument ID: CPESTGC8

Lims ID: IC PCB 3

Client ID:

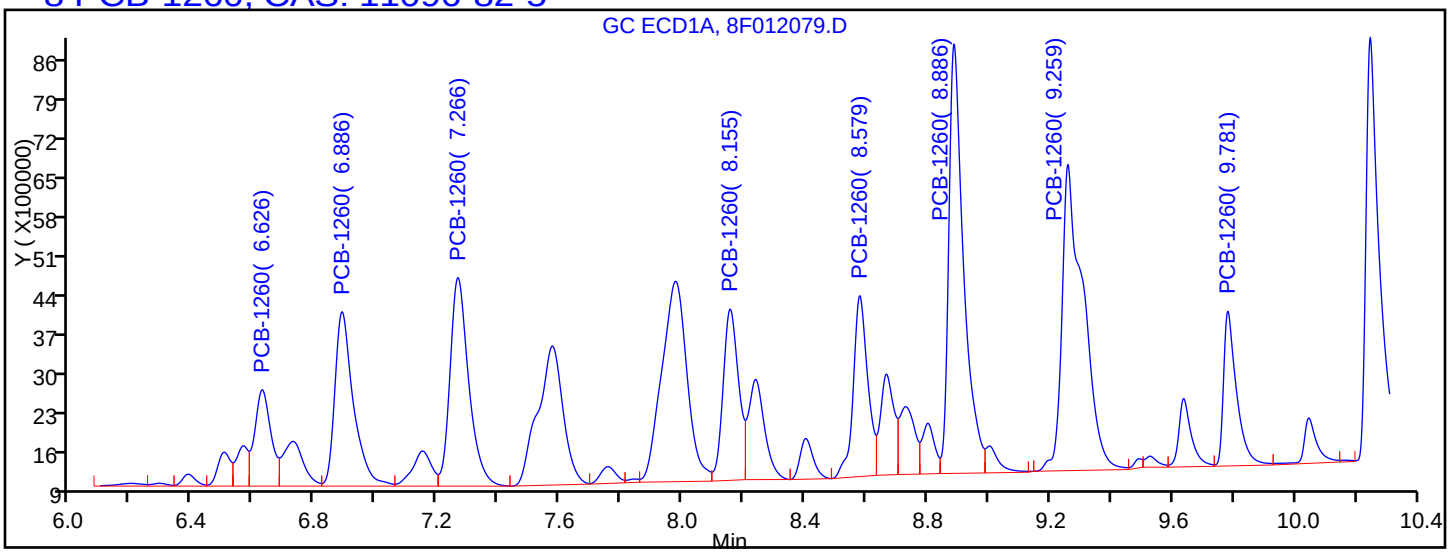
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

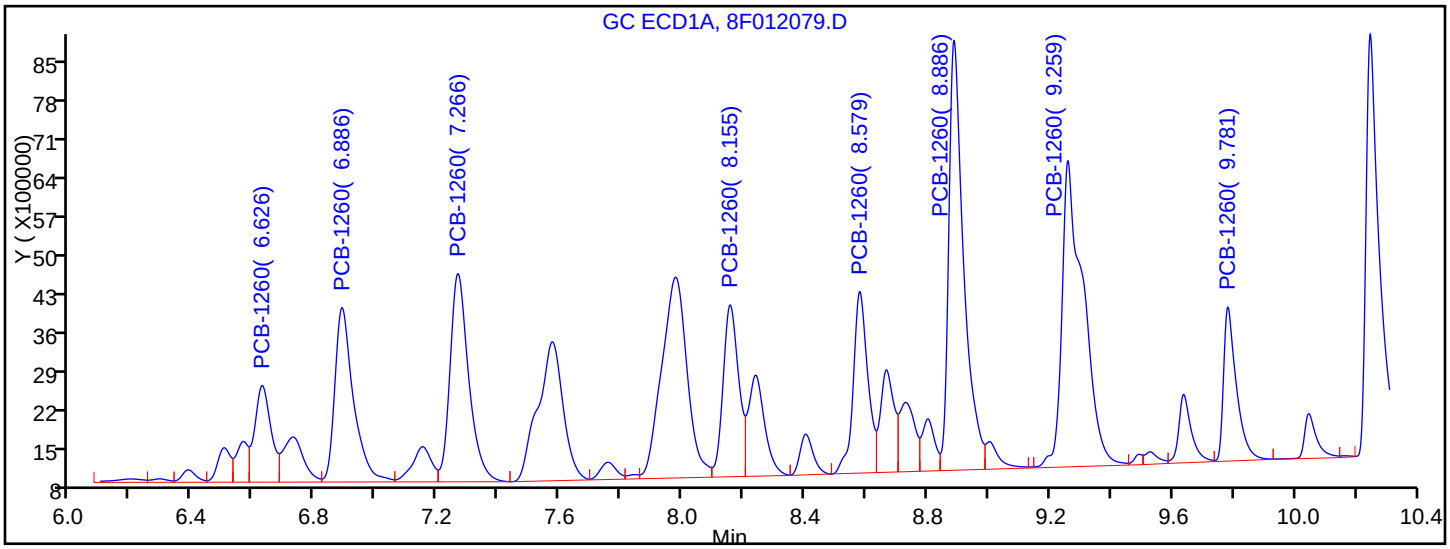
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.626	Response = 6416987	M
RT = 6.886	Response = 13269016	M
RT = 7.266	Response = 15961370	
RT = 8.155	Response = 10926016	M
RT = 8.579	Response = 10785102	M
RT = 8.886	Response = 26227631	M
RT = 9.259	Response = 26846893	M
RT = 9.781	Response = 8256885	M



Manual Integration Results

RT = 6.626	Response = 6464464	M
RT = 6.886	Response = 13341340	M
RT = 7.266	Response = 15961370	
RT = 8.155	Response = 11023010	M
RT = 8.579	Response = 10896893	M
RT = 8.886	Response = 26413729	M

TestAmerica Edison

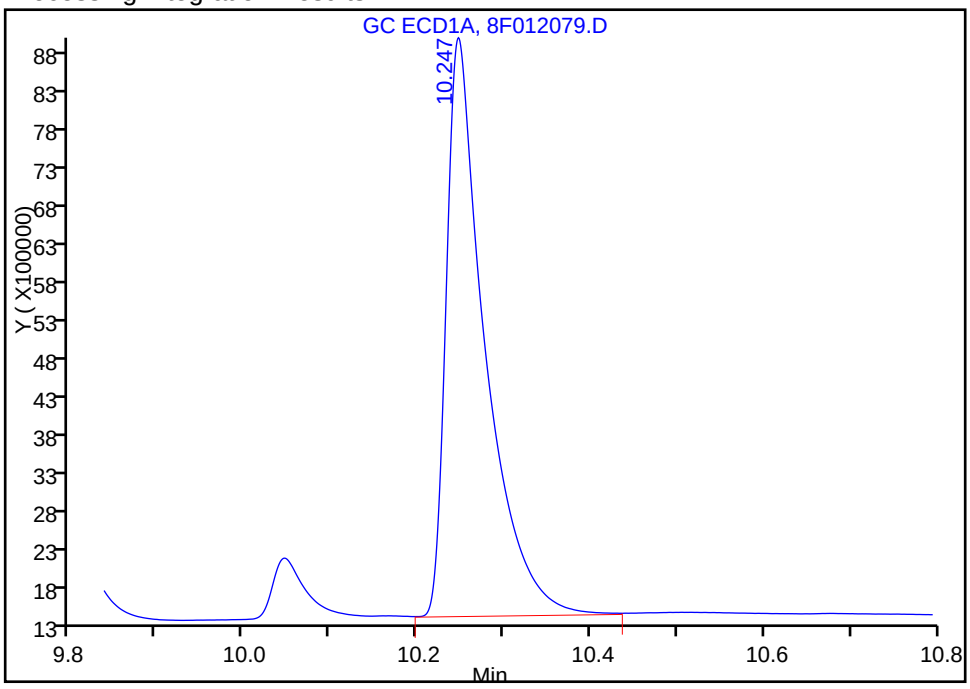
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D				
Injection Date:	14-Jun-2016 10:32:56	Instrument ID:	CPESTGC8		
Lims ID:	IC PCB 3				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

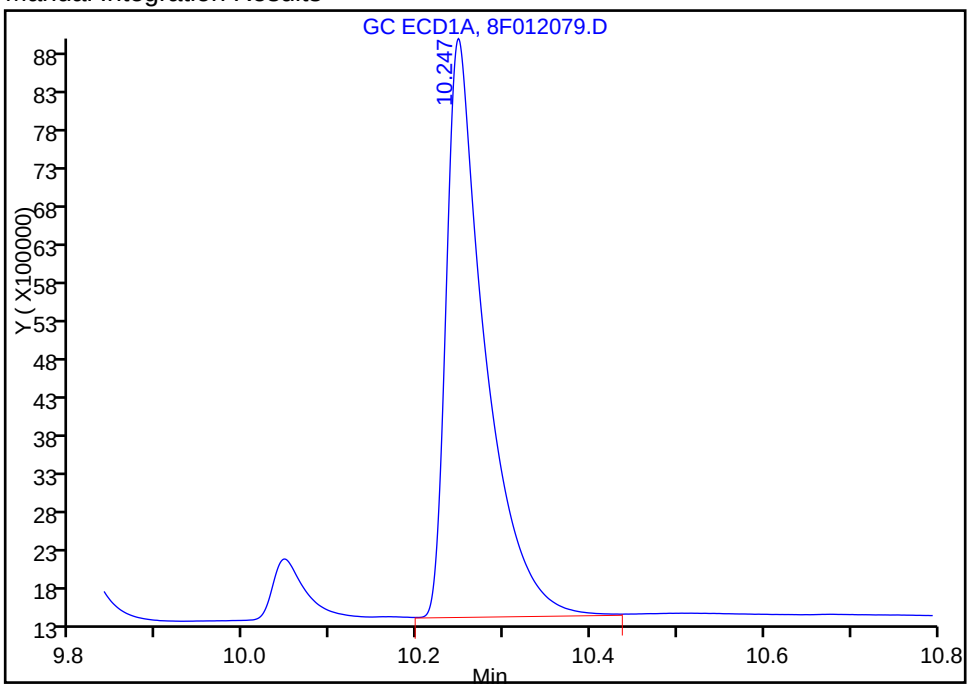
Processing Integration Results

RT: 10.25
Area: 24031343
Amount: 86.241311
Amount Units: ug/l



Manual Integration Results

RT: 10.25
Area: 23701895
Amount: 87.901932
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:39:09
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012080.D
Lims ID: IC PCB 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jun-2016 10:48:53 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-005
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:32 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:39:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.644	1.644	0.000	5629080	20.0	20.0	M
2	1.381	1.382	-0.001	6150481	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.617	2.617	0.000	32921407	150.0	139.9	
2	2.036	2.036	0.000	40233965	150.0	166.5	
						RPD = 17.39	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.239	3.239	0.000	7562459	1500.0	1411.0	M
1	3.755	3.756	-0.001	15322754	1500.0	1399.0	M
1	4.048	4.049	-0.001	7803438	1500.0	1360.9	M
1	4.322	4.322	0.000	28230577	1500.0	1418.1	M
1	4.492	4.493	-0.001	12423279	1500.0	1416.5	M
1	5.085	5.085	0.000	8456629	1500.0	1358.1	M
1	5.238	5.238	0.000	11962180	1500.0	1444.2	M
1	5.621	5.621	0.000	9235619	1500.0	1437.5	M
		Average of Peak Amounts =				1405.7	
2	2.416	2.416	0.000	7829476	1500.0	1553.2	
2	2.798	2.798	0.000	14685030	1500.0	1512.2	
2	3.012	3.012	0.000	10133423	1500.0	1548.3	
2	3.306	3.307	-0.001	30894064	1500.0	1548.7	
2	3.458	3.458	0.000	11636252	1500.0	1560.5	
2	3.525	3.525	0.000	8862594	1500.0	1603.8	
2	3.931	3.931	0.000	12998483	1500.0	1580.1	
2	4.371	4.372	-0.001	6393100	1500.0	1543.9	
		Average of Peak Amounts =				1556.3	
						RPD = 10.17	
8 PCB-1260							
1	6.625	6.626	-0.001	9797864	1500.0	1355.6	
1	6.886	6.886	0.000	20134364	1500.0	1374.4	
1	7.265	7.266	-0.001	24219757	1500.0	1380.3	
1	8.154	8.155	-0.001	16362482	1500.0	1387.1	
1	8.579	8.579	0.000	16511958	1500.0	1440.3	
1	8.887	8.886	0.001	39818730	1500.0	1392.8	
1	9.259	9.259	0.000	41260987	1500.0	1426.8	
1	9.782	9.781	0.001	12439703	1500.0	1424.0	
		Average of Peak Amounts =				1397.7	
2	5.362	5.363	-0.001	21104920	1500.0	1483.8	
2	6.077	6.078	-0.001	36072305	1500.0	1532.0	
2	6.246	6.247	-0.001	19015560	1500.0	1492.9	
2	6.607	6.607	0.000	20062227	1500.0	1464.1	
2	7.119	7.120	-0.001	50084750	1500.0	1552.3	
2	7.636	7.636	0.000	24202791	1500.0	1564.2	
2	7.816	7.816	0.000	16947965	1500.0	1640.3	
2	8.663	8.663	0.000	12839218	1500.0	1586.9	
		Average of Peak Amounts =				1539.6	
						RPD = 9.66	
$ 11 DCB Decachlorobiphenyl							M
1	10.247	10.247	0.000	34269264	150.0	131.3	
2	9.158	9.157	0.001	36340012	150.0	146.3	M
						RPD = 10.84	
S 12 Polychlorinated biphenyls, Total							
1						2803.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

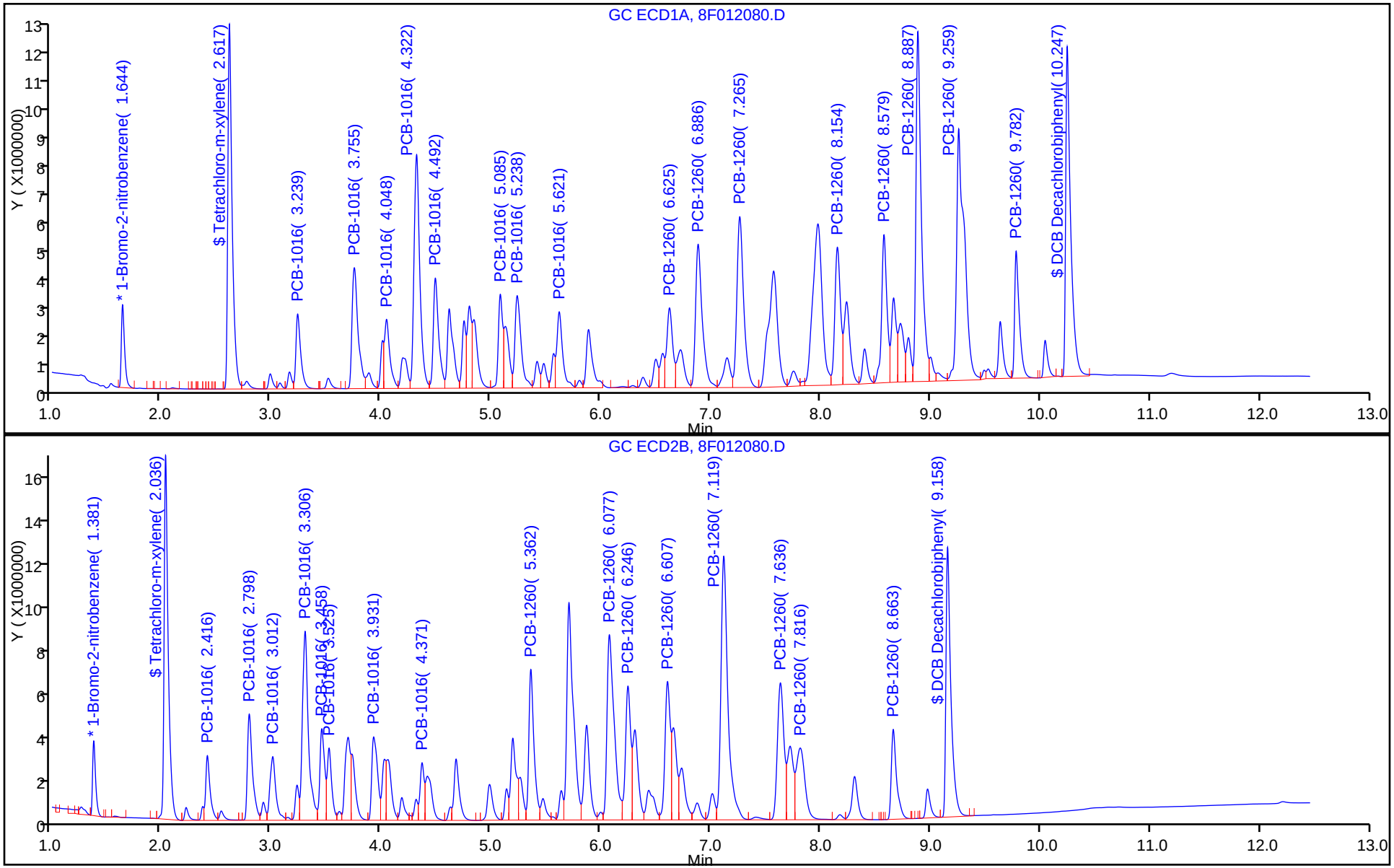
SG1660L4_00021	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012080.D

Injection Date:	14-Jun-2016 10:48:53	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

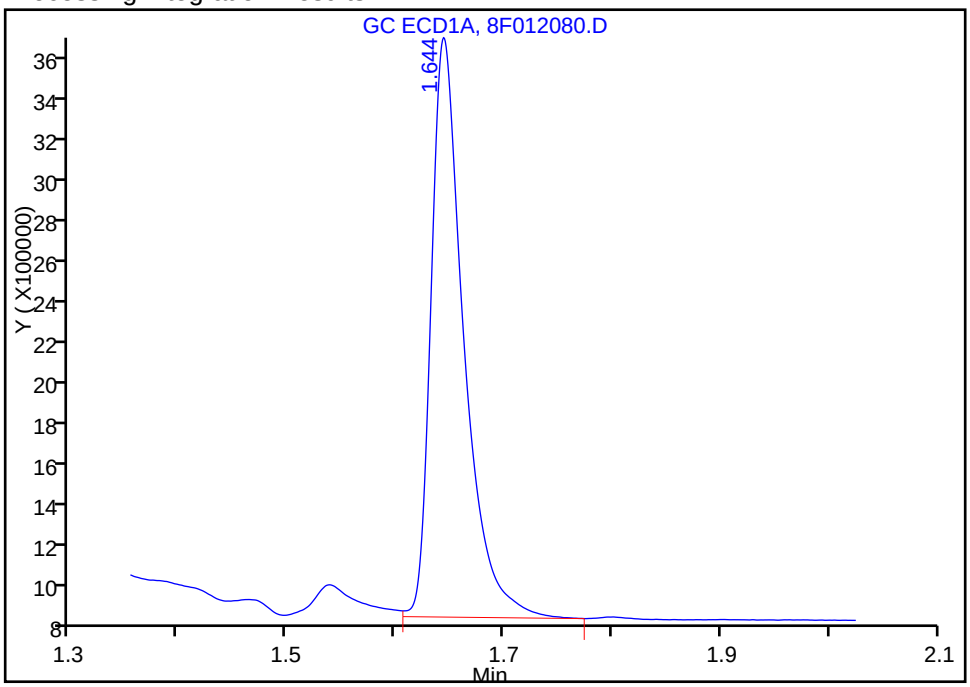
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012080.D
Injection Date: 14-Jun-2016 10:48:53 Instrument ID: CPESTGC8
Lims ID: IC PCB 4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

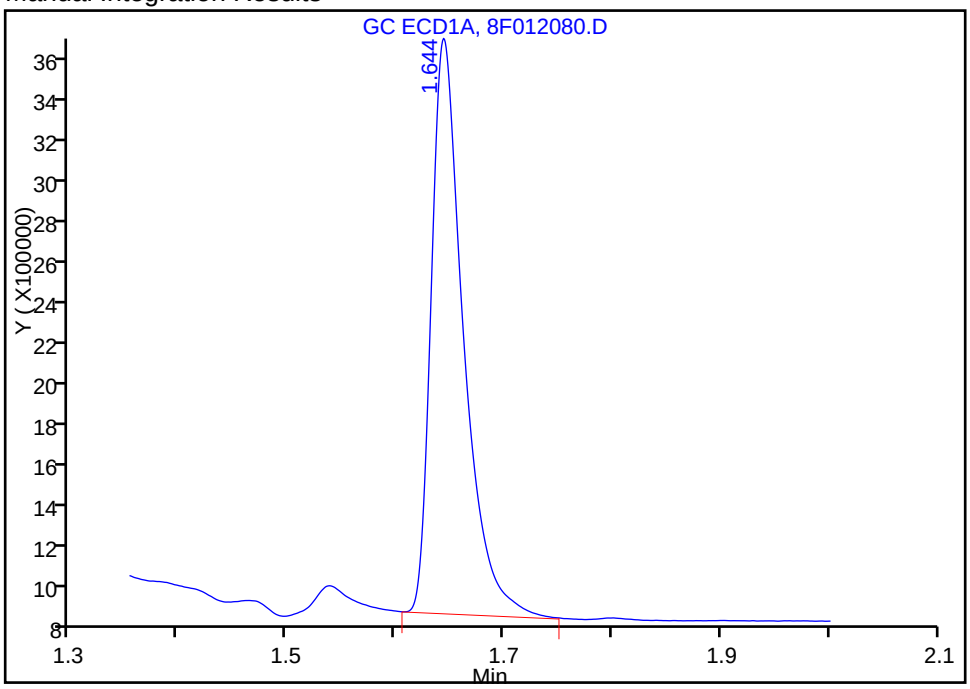
Processing Integration Results

RT: 1.64
Area: 5752259
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.64
Area: 5629080
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:47:22
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 16-Jun-2016 12:18:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012080.D

Injection Date: 14-Jun-2016 10:48:53 Instrument ID: CPESTGC8

Lims ID: IC PCB 4

Client ID:

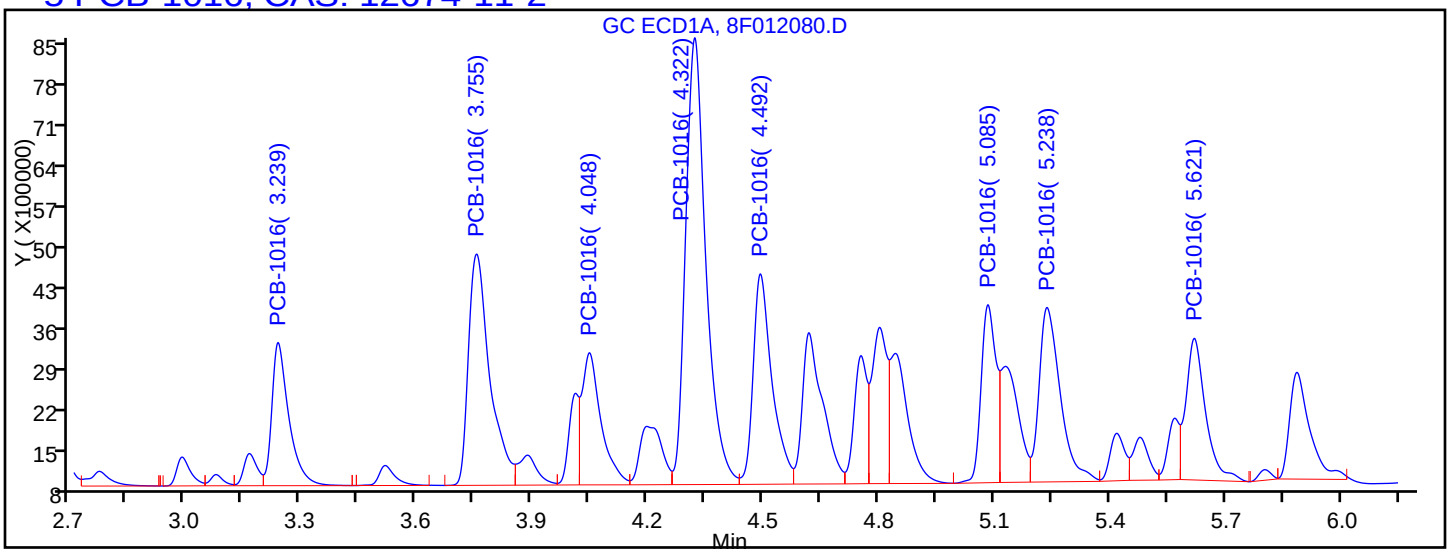
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

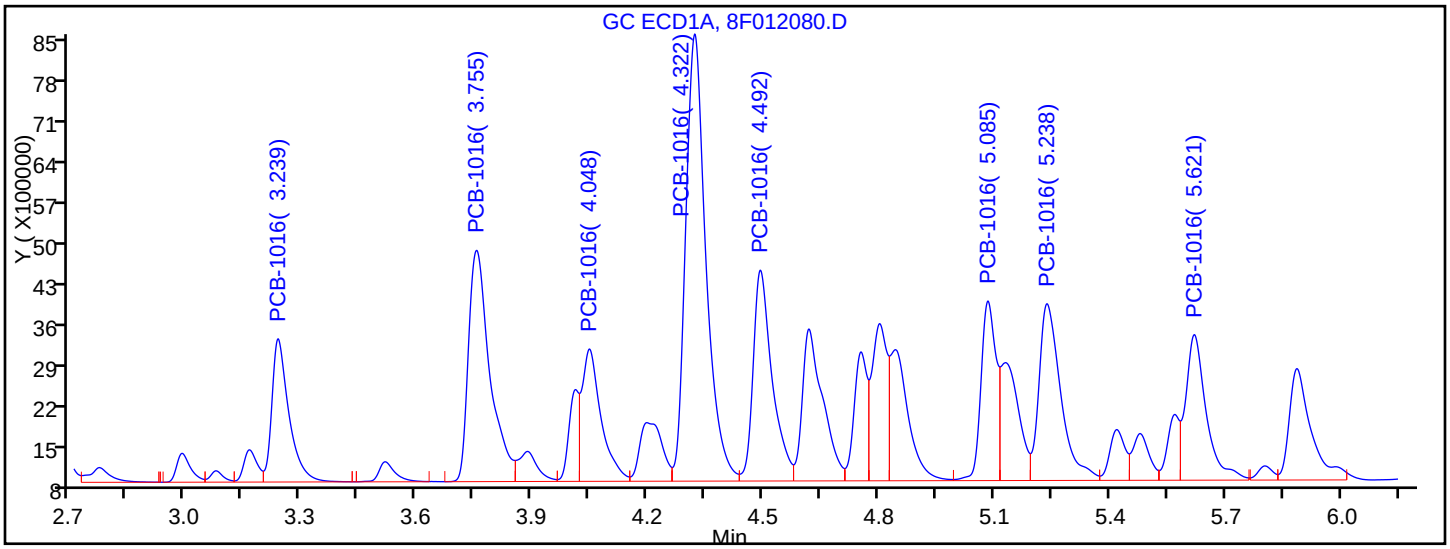
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.239	Response = 7553934	M
RT = 3.755	Response = 15313432	M
RT = 4.048	Response = 7776599	M
RT = 4.322	Response = 28171556	M
RT = 4.492	Response = 12352016	M
RT = 5.085	Response = 8279228	M
RT = 5.238	Response = 11509822	M
RT = 5.621	Response = 8634178	M



Manual Integration Results

RT = 3.239	Response = 7562459	M
RT = 3.755	Response = 15322754	M
RT = 4.048	Response = 7803438	M
RT = 4.322	Response = 28230577	M
RT = 4.492	Response = 12423279	M
RT = 5.085	Response = 8456629	M

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D
Lims ID: IC PCB 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Jun-2016 11:04:48 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-006
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:37 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:40:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.646	1.644	0.002	4798013	20.0	20.0	M
2	1.384	1.382	0.002	6341753	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.618	2.617	0.001	43744028	200.0	218.1	
2	2.038	2.036	0.002	47125980	200.0	189.2	
						RPD = 14.19	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.240	3.239	0.001	11905384	2500.0	2606.0	
1	3.756	3.756	0.000	23961696	2500.0	2566.7	
1	4.050	4.049	0.001	12619266	2500.0	2582.0	M
1	4.322	4.322	0.000	45182231	2500.0	2662.8	M
1	4.493	4.493	0.000	19767164	2500.0	2644.2	M
1	5.084	5.085	-0.001	13075233	2500.0	2463.5	M
1	5.238	5.238	0.000	18825234	2500.0	2666.5	M
1	5.622	5.621	0.001	14799684	2500.0	2702.6	M
		Average of Peak Amounts =				2611.8	
2	2.418	2.416	0.002	12091305	2500.0	2326.3	
2	2.799	2.798	0.001	22915354	2500.0	2288.5	
2	3.013	3.012	0.001	16004667	2500.0	2371.6	
2	3.307	3.307	0.000	49025401	2500.0	2383.6	
2	3.458	3.458	0.000	18218366	2500.0	2369.6	
2	3.526	3.525	0.001	14421632	2500.0	2531.0	
2	3.931	3.931	0.000	20445478	2500.0	2410.4	
2	4.372	4.372	0.000	10059753	2500.0	2356.1	
		Average of Peak Amounts =				2379.6	
						RPD = 9.30	
8 PCB-1260							M
1	6.626	6.626	0.000	16066793	2500.0	2608.1	
1	6.887	6.886	0.001	32947168	2500.0	2638.6	
1	7.265	7.266	-0.001	39237776	2500.0	2623.4	
1	8.155	8.155	0.000	27177924	2500.0	2703.0	M
1	8.578	8.579	-0.001	27102039	2500.0	2773.6	M
1	8.887	8.886	0.001	64898106	2500.0	2663.2	M
1	9.259	9.259	0.000	65665019	2500.0	2663.9	M
1	9.782	9.781	0.001	20277361	2500.0	2723.2	
		Average of Peak Amounts =				2674.6	
2	5.362	5.363	-0.001	33158329	2500.0	2260.9	M
2	6.077	6.078	-0.001	57082277	2500.0	2351.1	M
2	6.247	6.247	0.000	29718013	2500.0	2262.8	M
2	6.607	6.607	0.000	31943147	2500.0	2260.9	M
2	7.120	7.120	0.000	80294092	2500.0	2413.5	M
2	7.637	7.636	0.001	38678937	2500.0	2424.3	
2	7.815	7.816	-0.001	26903022	2500.0	2525.2	
2	8.663	8.663	0.000	21020292	2500.0	2519.8	
		Average of Peak Amounts =				2377.3	
						RPD = 11.77	
$ 11 DCB Decachlorobiphenyl							M
1	10.246	10.247	-0.001	45420003	200.0	204.1	
2	9.157	9.157	0.000	48015553	200.0	187.5	M
						RPD = 8.49	
S 12 Polychlorinated biphenyls, Total							
1						5286.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

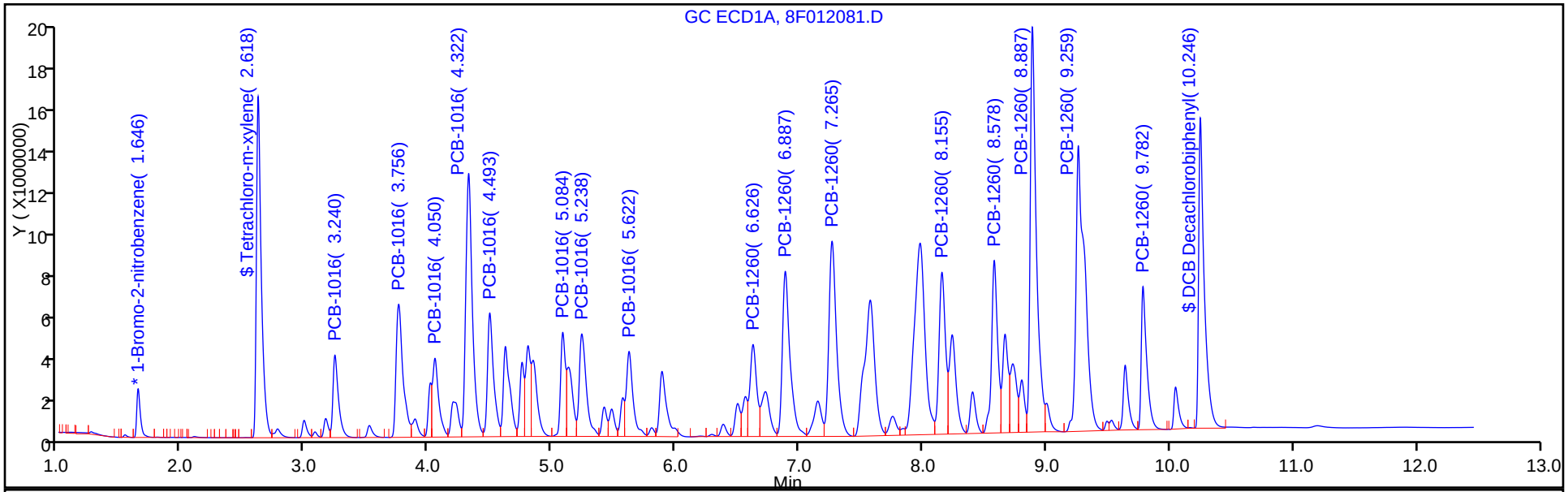
SG1660L5_00021	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

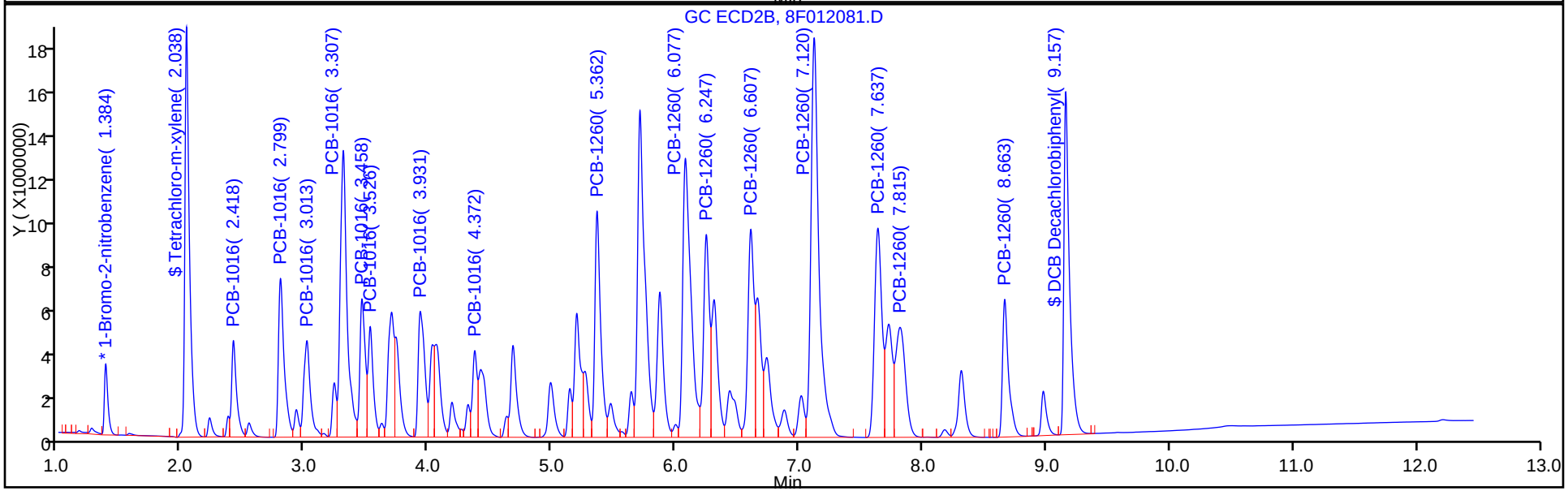
Report Date: 16-Jun-2016 12:18:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D

Injection Date:	14-Jun-2016 11:04:48	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

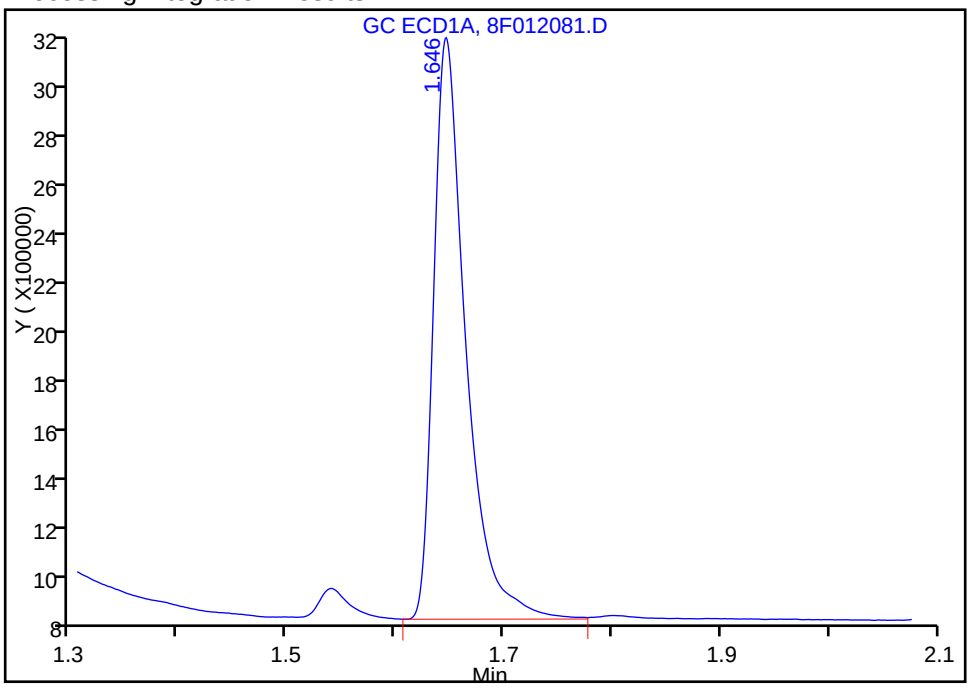
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D
Injection Date: 14-Jun-2016 11:04:48 Instrument ID: CPESTGC8
Lims ID: IC PCB 5
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

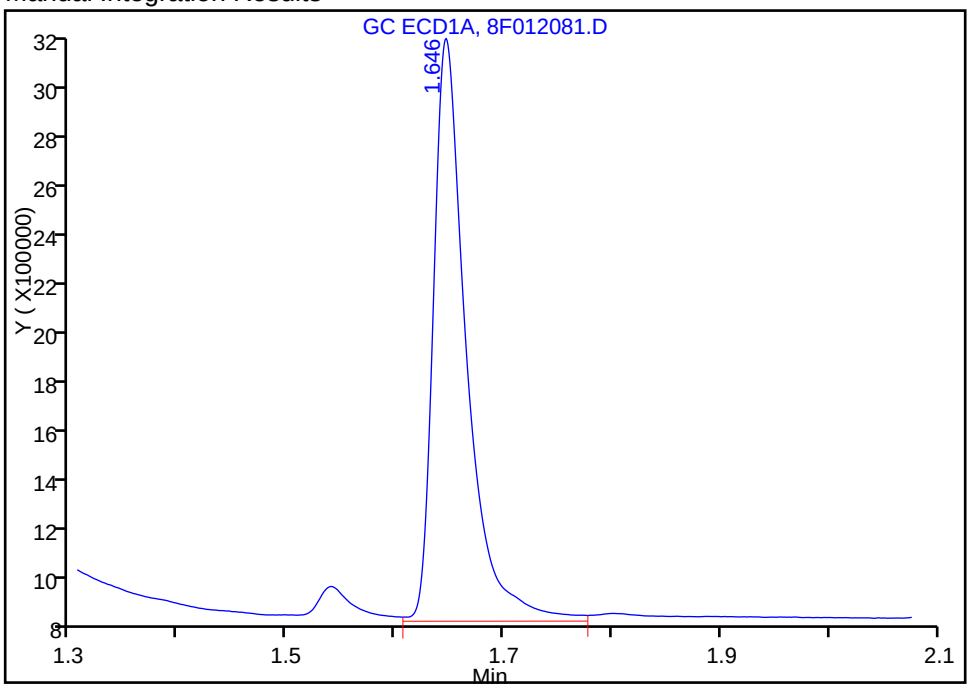
Processing Integration Results

RT: 1.65
Area: 4634018
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.65
Area: 4798013
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:46:50
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 16-Jun-2016 12:18:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D

Injection Date: 14-Jun-2016 11:04:48 Instrument ID: CPESTGC8

Lims ID: IC PCB 5

Client ID:

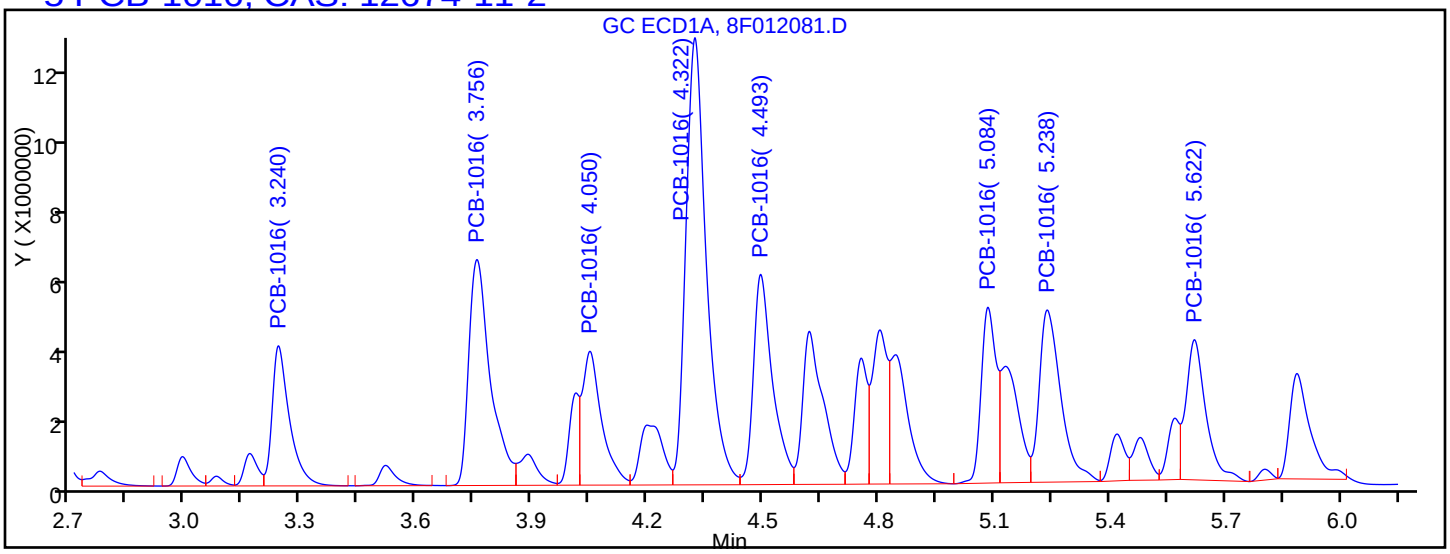
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

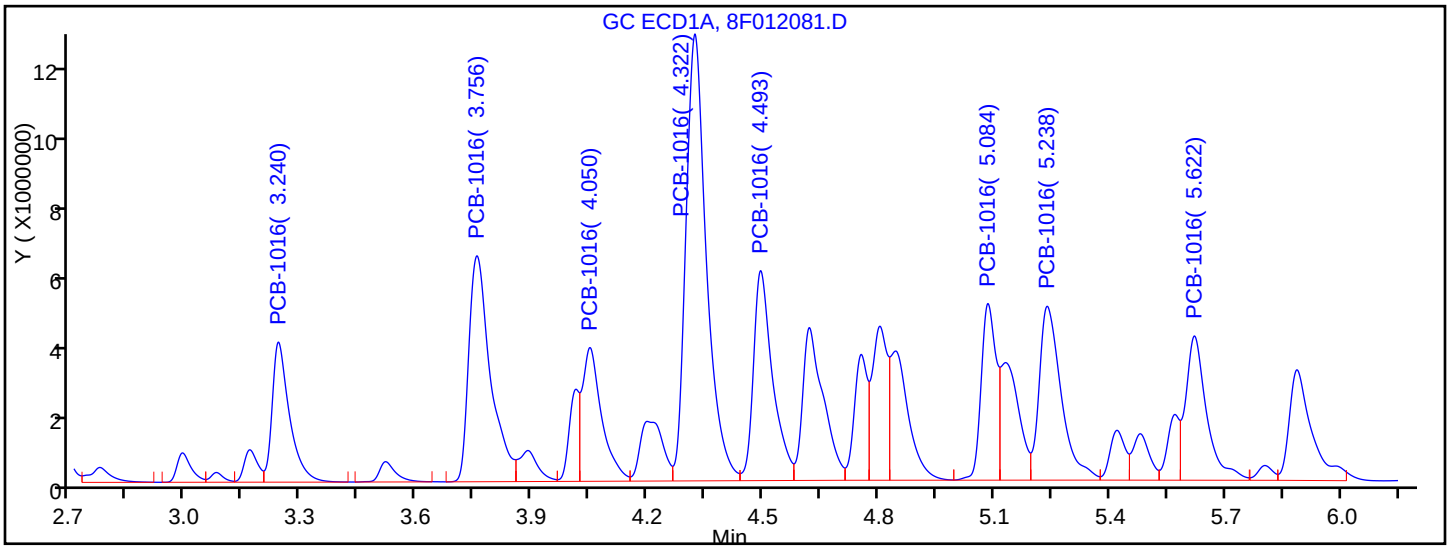
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.240	Response = 11905384	
RT = 3.756	Response = 23961696	
RT = 4.050	Response = 12641560	M
RT = 4.322	Response = 45251478	M
RT = 4.493	Response = 19824398	M
RT = 5.084	Response = 12951958	M
RT = 5.238	Response = 18261528	M
RT = 5.622	Response = 13782143	M



Manual Integration Results

RT = 3.240	Response = 11905384	
RT = 3.756	Response = 23961696	
RT = 4.050	Response = 12619266	M
RT = 4.322	Response = 45182231	M
RT = 4.493	Response = 19767164	M
RT = 5.084	Response = 13075233	M

Report Date: 16-Jun-2016 12:18:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D

Injection Date: 14-Jun-2016 11:04:48 Instrument ID: CPESTGC8

Lims ID: IC PCB 5

Client ID:

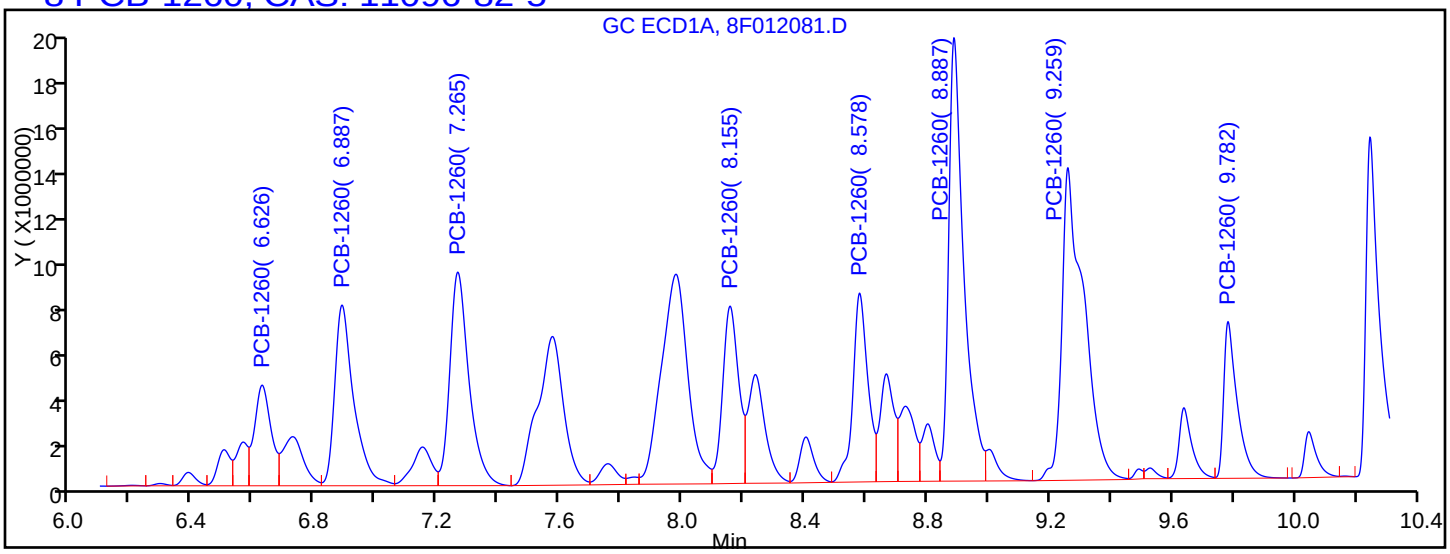
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

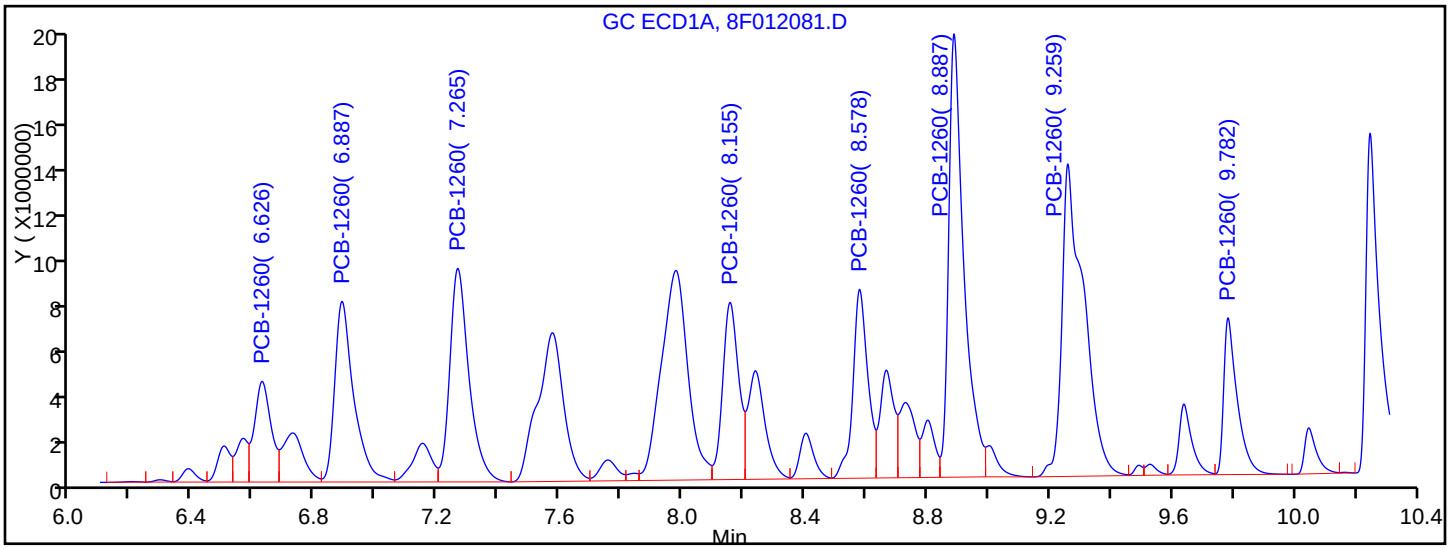
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.626	Response = 16066793	
RT = 6.887	Response = 32947168	
RT = 7.265	Response = 39237776	
RT = 8.155	Response = 27245394	M
RT = 8.578	Response = 27121661	M
RT = 8.887	Response = 64991991	M
RT = 9.259	Response = 65785037	M
RT = 9.782	Response = 20277361	



Manual Integration Results

RT = 6.626	Response = 16066793	
RT = 6.887	Response = 32947168	
RT = 7.265	Response = 39237776	
RT = 8.155	Response = 27177924	M
RT = 8.578	Response = 27102039	M
RT = 8.887	Response = 64898106	M

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 10:01 Calibration End Date: 06/14/2016 11:04 Calibration ID: 56226

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/2	8F012077.D
Level 2	IC 460-373506/3	8F012078.D
Level 3	IC 460-373506/4	8F012079.D
Level 4	IC 460-373506/5	8F012080.D
Level 5	IC 460-373506/6	8F012081.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0176	0.0158	0.0164	0.0170	0.0153	Ave		0.0164				5.6		20.0			0.9900
PCB-1016 Peak 2	0.0354	0.0310	0.0308	0.0318	0.0289	Ave		0.0316				7.5		20.0			0.9900
PCB-1016 Peak 3	0.0231	0.0204	0.0208	0.0220	0.0202	Ave		0.0213				5.7		20.0			0.9900
PCB-1016 Peak 4	0.0672	0.0641	0.0642	0.0670	0.0618	Ave		0.0649				3.4		20.0			0.9900
PCB-1016 Peak 5	0.0244	0.0243	0.0243	0.0252	0.0230	Ave		0.0242				3.3		20.0			0.9900
PCB-1016 Peak 6	0.0169	0.0175	0.0180	0.0192	0.0182	Ave		0.0180				4.8		20.0			0.9900
PCB-1016 Peak 7	0.0256	0.0271	0.0272	0.0282	0.0258	Ave		0.0267				4.0		20.0			0.9900
PCB-1016 Peak 8	0.0138	0.0135	0.0136	0.0139	0.0127	Ave		0.0135				3.4		20.0			0.9900
PCB-1260 Peak 1	0.0513	0.0470	0.0454	0.0458	0.0418	Ave		0.0463				7.4		20.0			0.9900
PCB-1260 Peak 2	0.0774	0.0783	0.0770	0.0782	0.0720	Ave		0.0766				3.4		20.0			0.9900
PCB-1260 Peak 3	0.0458	0.0421	0.0405	0.0412	0.0375	Ave		0.0414				7.3		20.0			0.9900
PCB-1260 Peak 4	0.0523	0.0432	0.0435	0.0435	0.0403	Ave		0.0446				10.2		20.0			0.9900
PCB-1260 Peak 5	0.1050	0.1016	0.1081	0.1086	0.1013	Ave		0.1049				3.3		20.0			0.9900
PCB-1260 Peak 6	0.0481	0.0496	0.0526	0.0525	0.0488	Ave		0.0503				4.2		20.0			0.9900
PCB-1260 Peak 7	0.0285	0.0331	0.0357	0.0367	0.0339	Ave		0.0336				9.5		20.0			0.9900
PCB-1260 Peak 8	0.0245	0.0259	0.0268	0.0278	0.0265	Ave		0.0263				4.7		20.0			0.9900
Tetrachloro-m-xylene	0.6723	0.6817	0.9590	0.8722	0.7431	Ave		0.7857				16.0		20.0			0.9900
DCB Decachlorobiphenyl	0.8422	0.8332	0.8174	0.7878	0.7571	Ave		0.8076				4.3		20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 10:01 Calibration End Date: 06/14/2016 11:04 Calibration ID: 56226

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/2	8F012077.D
Level 2	IC 460-373506/3	8F012078.D
Level 3	IC 460-373506/4	8F012079.D
Level 4	IC 460-373506/5	8F012080.D
Level 5	IC 460-373506/6	8F012081.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	312298	2652911	5169724	7829476	12091305	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	628534	5201043	9733967	14685030	22915354	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	409873	3425003	6569824	10133423	16004667	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	1193936	10769420	20281378	30894064	49025401	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	433988	4083323	7674645	11636252	18218366	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	300319	2941989	5694889	8862594	14421632	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	454155	4542425	8585265	12998483	20445478	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	244688	2258811	4282751	6393100	10059753	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	911699	7886967	14347856	21104920	33158329	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	1374965	13139153	24332258	36072305	57082277	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	814340	7061498	12797733	19015560	29718013	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	930089	7251548	13735795	20062227	31943147	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	1865890	17058047	34168030	50084750	80294092	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	853910	8333455	16631799	24202791	38678937	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	506136	5564608	11278131	16947965	26903022	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	434893	4343254	8485602	12839218	21020292	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	2986317	11444854	30309745	40233965	47125980	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	3741407	13988834	25835110	36340012	48015553	12.5	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D
Lims ID: IC PCB 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jun-2016 10:01:04 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:01 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:34:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.649	1.645	0.004	5296425	20.0	20.0	M
2	1.379	1.383	-0.004	7107513	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.623	2.618	0.005	2637854	12.5	11.9	
2	2.032	2.038	-0.006	2986317	12.5	10.7	
						RPD = 10.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.247	3.241	0.006	257629	50.0	51.1	M
1	3.764	3.757	0.007	502236	50.0	48.7	M
1	4.062	4.050	0.012	299119	50.0	55.4	M
1	4.330	4.323	0.007	897750	50.0	47.9	M
1	4.500	4.494	0.006	396278	50.0	48.0	M
1	5.091	5.085	0.006	315921	50.0	53.9	M
1	5.246	5.239	0.007	354671	50.0	45.5	M
1	5.630	5.623	0.007	297943	50.0	49.3	M
		Average of Peak Amounts =				50.0	
2	2.414	2.418	-0.004	312298	50.0	53.6	M
2	2.794	2.800	-0.006	628534	50.0	56.0	M
2	3.009	3.014	-0.005	409873	50.0	54.2	M
2	3.303	3.309	-0.006	1193936	50.0	51.8	M
2	3.455	3.460	-0.005	433988	50.0	50.4	M
2	3.522	3.527	-0.005	300319	50.0	47.0	M
2	3.928	3.933	-0.005	454155	50.0	47.8	M
2	4.371	4.374	-0.003	244688	50.0	51.1	M
		Average of Peak Amounts =				51.5	
						RPD = 2.95	
8 PCB-1260							M
1	6.634	6.626	0.008	390348	50.0	57.4	M
1	6.897	6.888	0.009	735861	50.0	53.4	M
1	7.277	7.266	0.011	870432	50.0	52.7	M
1	8.165	8.157	0.008	556965	50.0	50.2	M
1	8.594	8.582	0.012	485718	50.0	45.0	M
1	8.908	8.893	0.015	1375232	50.0	51.1	M
1	9.288	9.268	0.020	1333739	50.0	49.0	M
1	9.825	9.795	0.030	402913	50.0	49.0	M
		Average of Peak Amounts =				51.0	
2	5.362	5.363	-0.001	911699	50.0	55.5	M
2	6.078	6.079	-0.001	1374965	50.0	50.5	M
2	6.247	6.248	-0.001	814340	50.0	55.3	M
2	6.608	6.609	-0.001	930089	50.0	58.7	M
2	7.120	7.122	-0.002	1865890	50.0	50.0	M
2	7.635	7.638	-0.003	853910	50.0	47.8	
2	7.810	7.818	-0.008	506136	50.0	42.4	
2	8.673	8.667	0.006	434893	50.0	46.5	M
		Average of Peak Amounts =				50.8	
						RPD = 0.27	
$ 11 DCB Decachlorobiphenyl							M
1	10.303	10.264	0.039	3371198	12.5	13.7	M
2	9.181	9.165	0.016	3741407	12.5	13.0	M
						RPD = 5.15	
S 12 Polychlorinated biphenyls, Total							
1						101.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

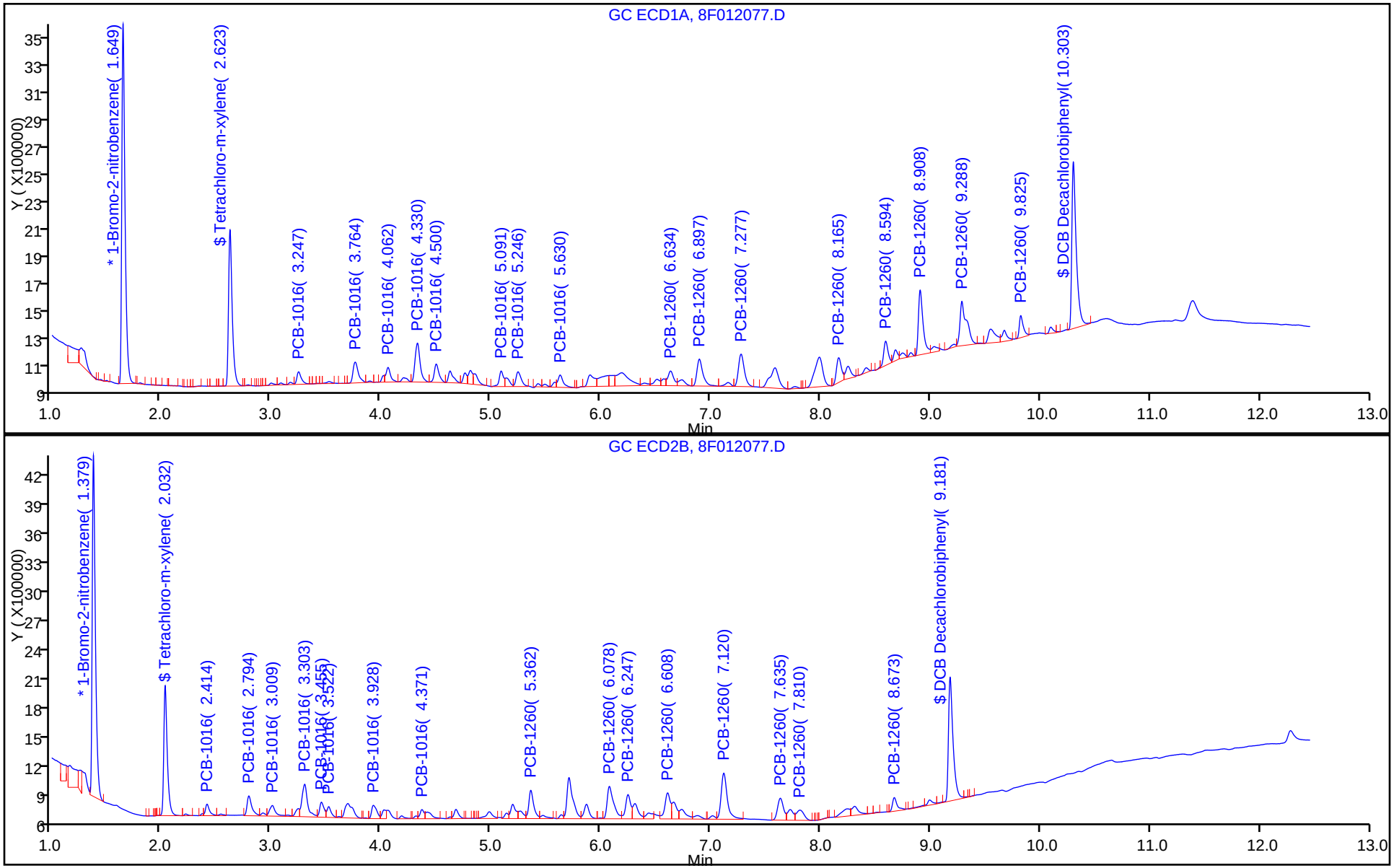
SG1660(LVI)L1_00009	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D

Injection Date:	14-Jun-2016 10:01:04	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

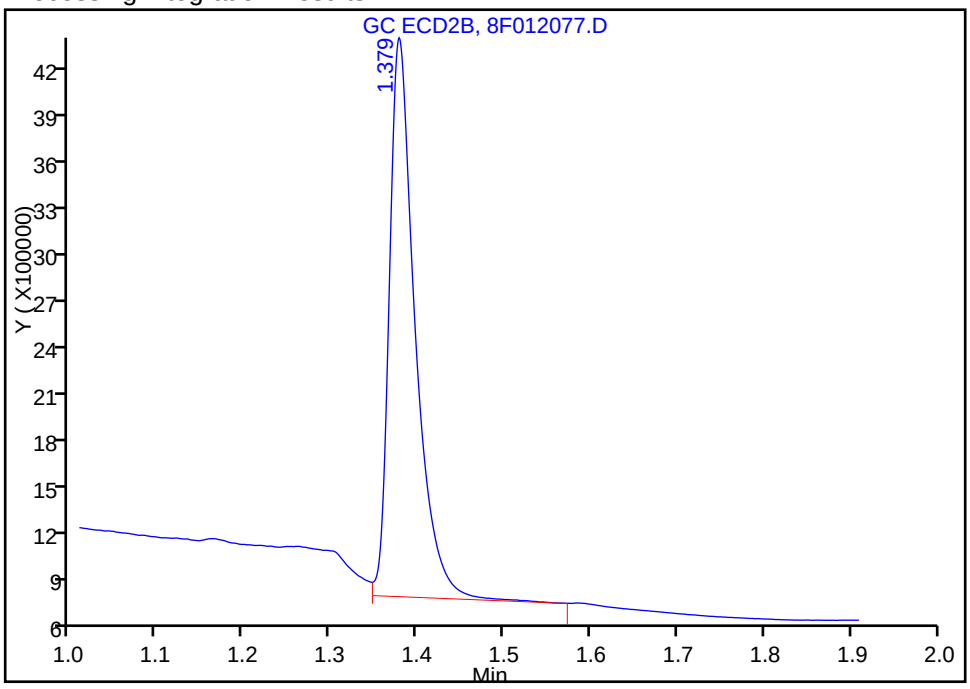
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D
Injection Date: 14-Jun-2016 10:01:04 Instrument ID: CPESTGC8
Lims ID: IC PCB 1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

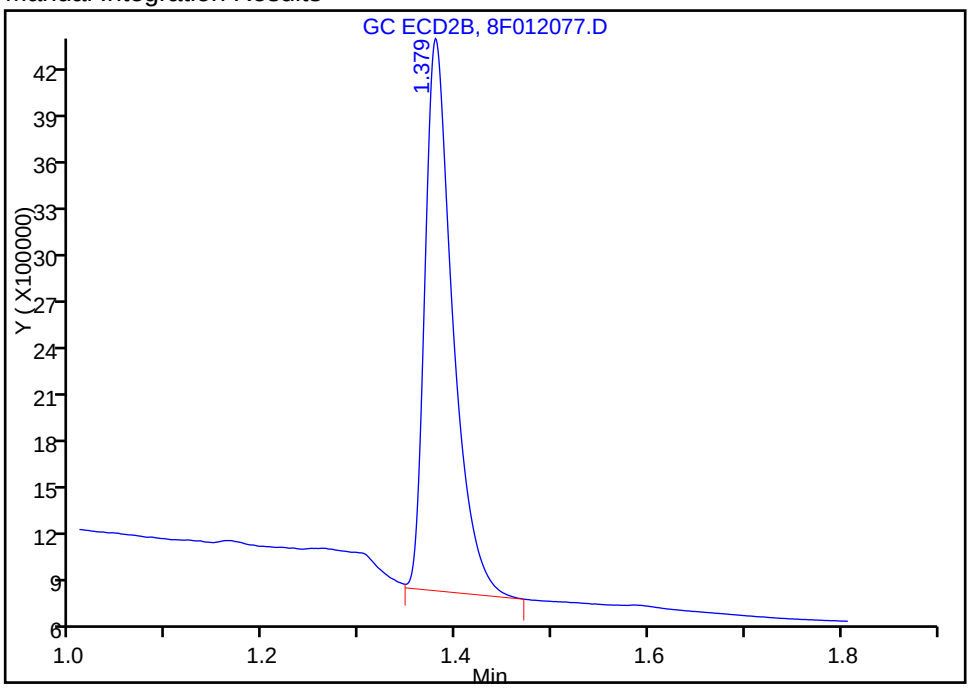
Processing Integration Results

RT: 1.38
Area: 7438212
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.38
Area: 7107513
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:42:21
Audit Action: Manually Integrated Audit Reason: Peak not integrated

Report Date: 16-Jun-2016 12:18:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D

Injection Date: 14-Jun-2016 10:01:04 Instrument ID: CPESTGC8

Lims ID: IC PCB 1

Client ID:

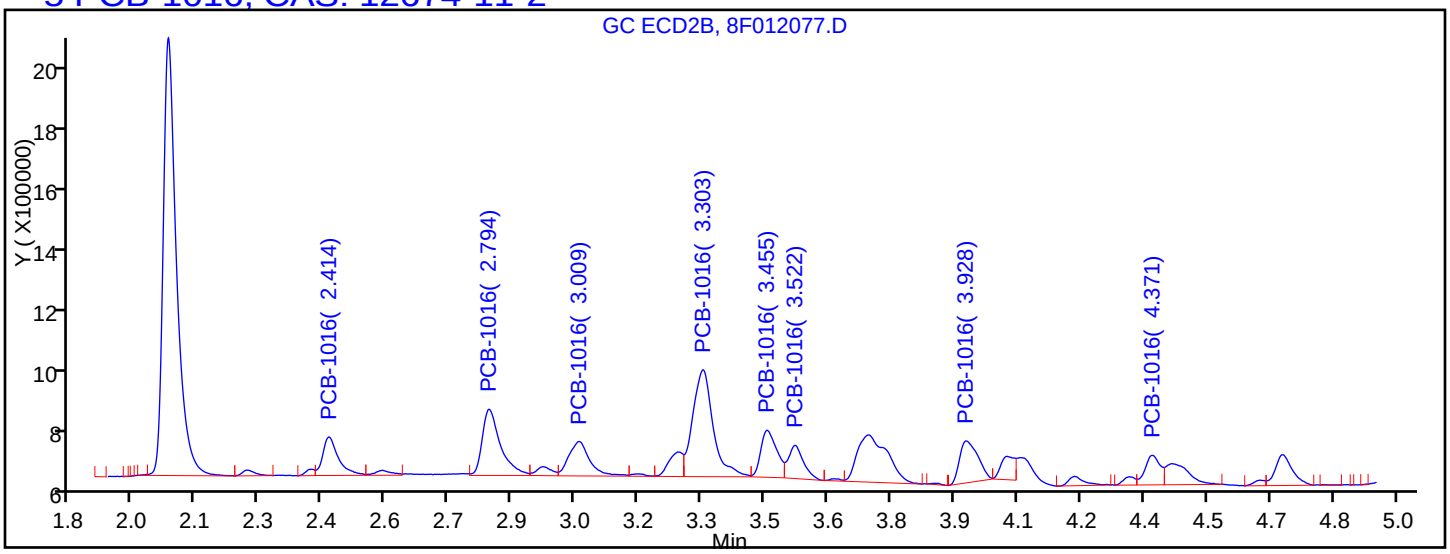
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

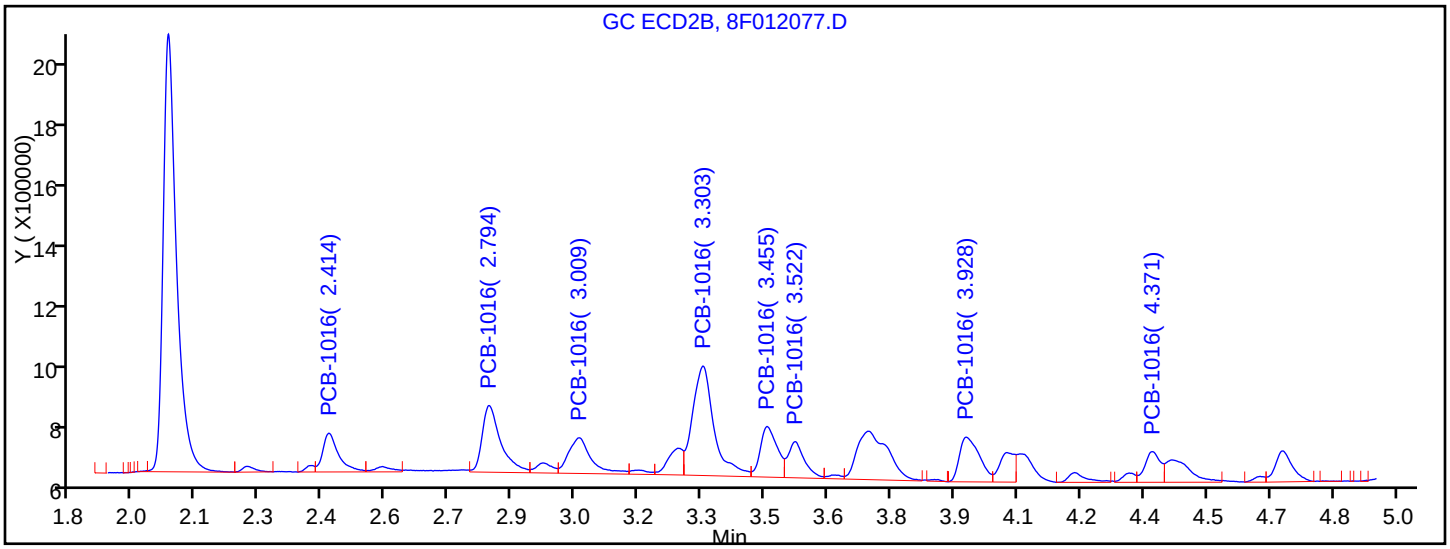
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.414	Response = 306397	M
RT = 2.794	Response = 611179	M
RT = 3.009	Response = 366135	M
RT = 3.303	Response = 1108117	M
RT = 3.455	Response = 382342	M
RT = 3.522	Response = 255133	M
RT = 3.928	Response = 388689	M
RT = 4.371	Response = 230966	M



Manual Integration Results

RT = 2.414	Response = 312298	M
RT = 2.794	Response = 628534	M
RT = 3.009	Response = 409873	M
RT = 3.303	Response = 1193936	M
RT = 3.455	Response = 433988	M
RT = 3.522	Response = 300319	M

Report Date: 16-Jun-2016 12:18:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D

Injection Date: 14-Jun-2016 10:01:04 Instrument ID: CPESTGC8

Lims ID: IC PCB 1

Client ID:

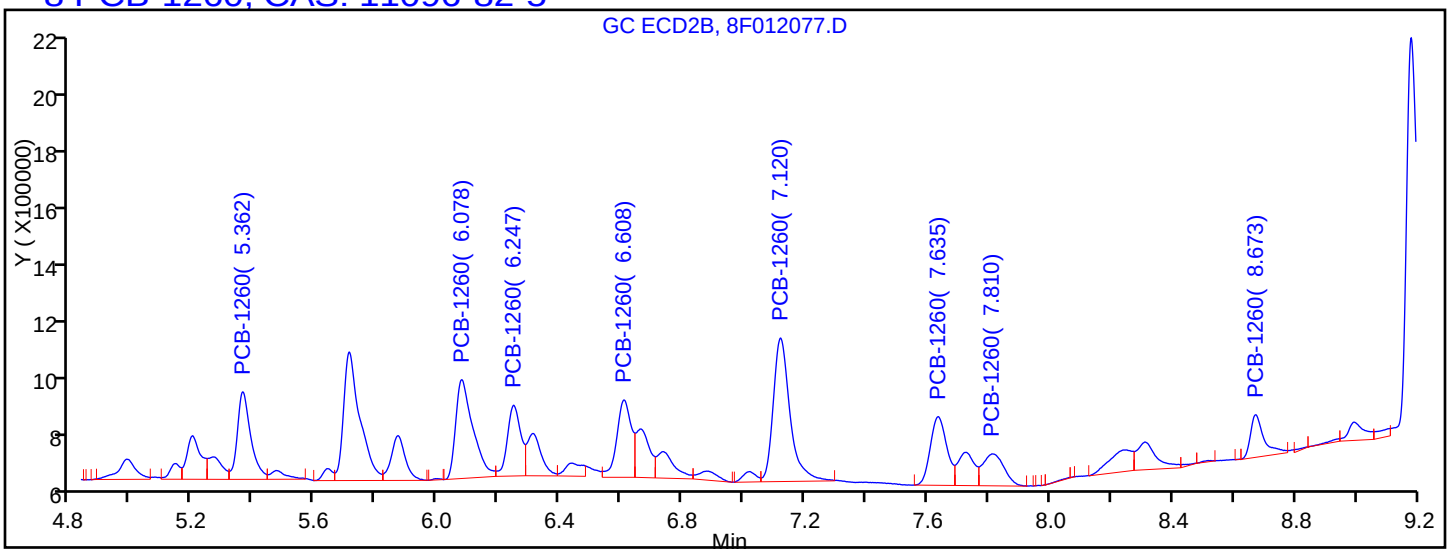
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

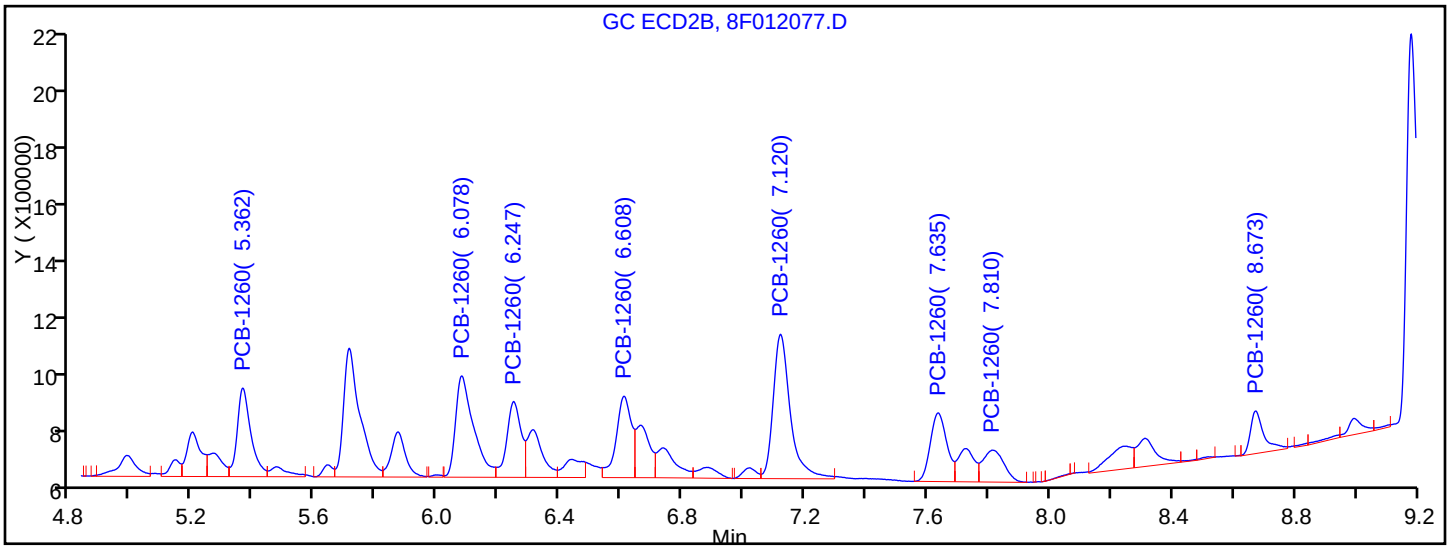
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.362	Response = 886319	M
RT = 6.078	Response = 1274876	M
RT = 6.247	Response = 717341	M
RT = 6.608	Response = 844301	M
RT = 7.120	Response = 1811255	M
RT = 7.635	Response = 853910	
RT = 7.810	Response = 506136	
RT = 8.673	Response = 431613	M



Manual Integration Results

RT = 5.362	Response = 911699	M
RT = 6.078	Response = 1374965	M
RT = 6.247	Response = 814340	M
RT = 6.608	Response = 930089	M
RT = 7.120	Response = 1865890	M
RT = 7.635	Response = 853910	

Manual Integration/User Assign Peak Report

TestAmerica Edison

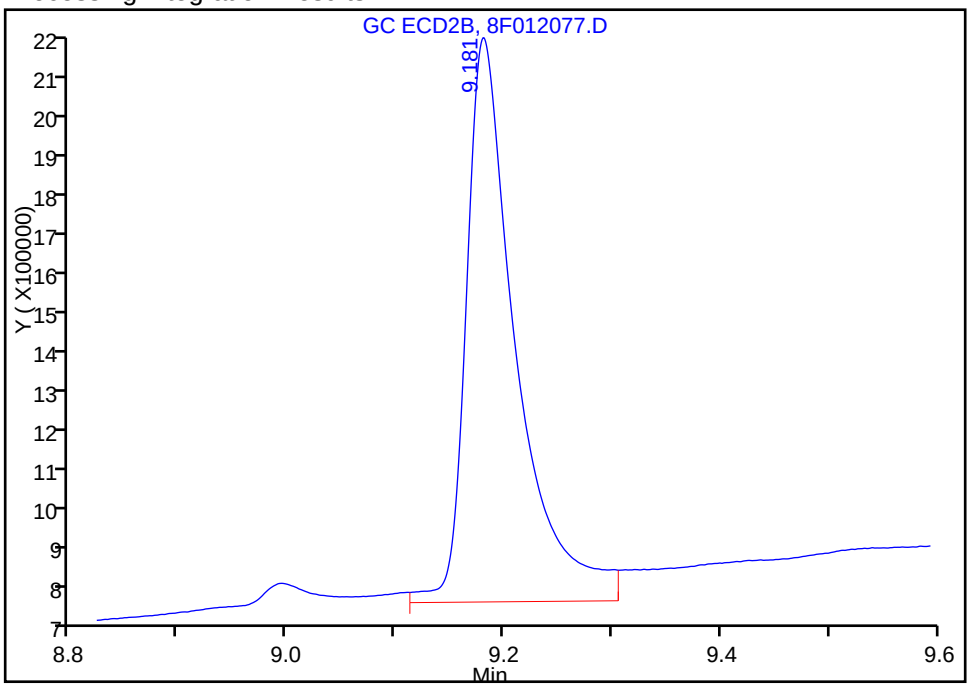
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012077.D				
Injection Date:	14-Jun-2016 10:01:04	Instrument ID:	CPESTGC8		
Lims ID:	IC PCB 1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

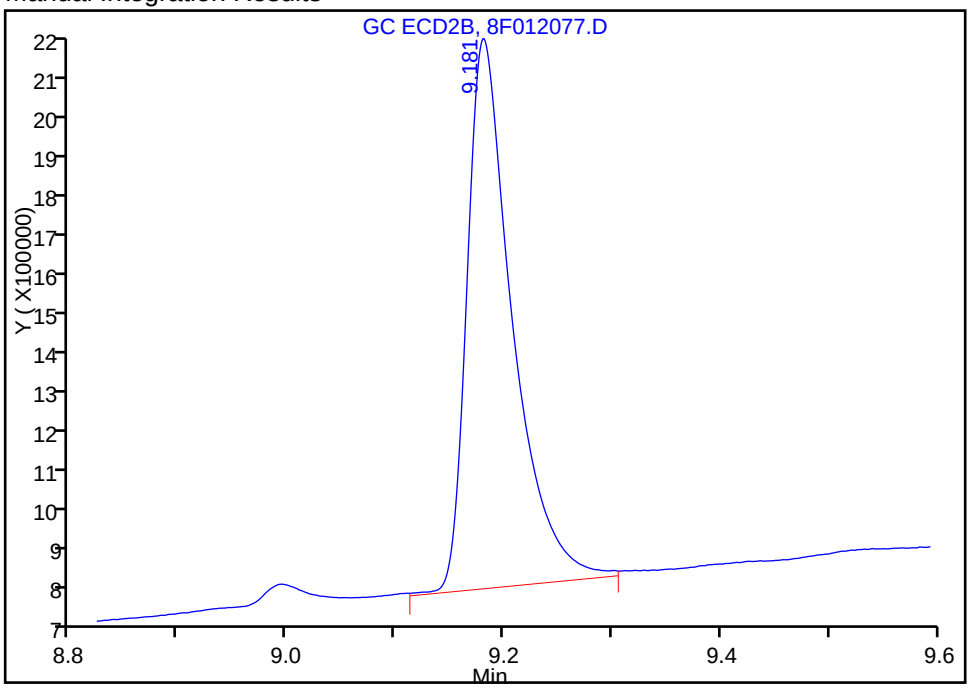
Processing Integration Results

RT: 9.18
Area: 4191049
Amount: 13.388122
Amount Units: ug/l



Manual Integration Results

RT: 9.18
Area: 3741407
Amount: 13.036753
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:37:24

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D
Lims ID: IC PCB 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Jun-2016 10:17:01 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:13 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:34:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.644	1.645	-0.001	4948495	20.0	20.0	M
2	1.381	1.383	-0.002	6715505	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.618	2.618	0.000	11522025	50.0	55.7	
2	2.036	2.038	-0.002	11444854	50.0	43.4	M
						RPD = 24.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.239	3.241	-0.002	2599985	500.0	551.8	M
1	3.756	3.757	-0.001	5546226	500.0	576.0	M
1	4.049	4.050	-0.001	2716834	500.0	539.0	M
1	4.323	4.323	0.000	9821522	500.0	561.2	M
1	4.494	4.494	0.000	4350875	500.0	564.3	M
1	5.085	5.085	0.000	3152554	500.0	575.9	M
1	5.239	5.239	0.000	4131121	500.0	567.4	M
1	5.622	5.623	-0.001	2962255	500.0	524.5	M
		Average of Peak Amounts =				557.5	
2	2.416	2.418	-0.002	2652911	500.0	482.0	M
2	2.798	2.800	-0.002	5201043	500.0	490.5	M
2	3.012	3.014	-0.002	3425003	500.0	479.3	M
2	3.307	3.309	-0.002	10769420	500.0	494.5	M
2	3.458	3.460	-0.002	4083323	500.0	501.5	M
2	3.524	3.527	-0.003	2941989	500.0	487.6	M
2	3.931	3.933	-0.002	4542425	500.0	505.7	
2	4.372	4.374	-0.002	2258811	500.0	499.6	
		Average of Peak Amounts =				492.6	
						RPD = 12.37	
8 PCB-1260							M
1	6.626	6.626	0.000	3301120	500.0	519.6	M
1	6.888	6.888	0.000	6947781	500.0	539.5	M
1	7.266	7.266	0.000	8449009	500.0	547.7	M
1	8.156	8.157	-0.001	5630561	500.0	543.0	M
1	8.579	8.582	-0.003	5590743	500.0	554.8	M
1	8.888	8.893	-0.005	13689810	500.0	544.7	M
1	9.259	9.268	-0.009	13967929	500.0	549.4	M
1	9.780	9.795	-0.015	4158277	500.0	541.5	M
		Average of Peak Amounts =				542.5	
2	5.362	5.363	-0.001	7886967	500.0	507.8	
2	6.078	6.079	-0.001	13139153	500.0	511.1	
2	6.247	6.248	-0.001	7061498	500.0	507.7	
2	6.608	6.609	-0.001	7251548	500.0	484.7	
2	7.119	7.122	-0.003	17058047	500.0	484.2	
2	7.636	7.638	-0.002	8333455	500.0	493.3	
2	7.815	7.818	-0.003	5564608	500.0	493.3	
2	8.663	8.667	-0.004	4343254	500.0	491.7	
		Average of Peak Amounts =				496.7	
						RPD = 8.81	
$ 11 DCB Decachlorobiphenyl							M
1	10.245	10.264	-0.019	12930543	50.0	56.3	
2	9.157	9.165	-0.008	13988834	50.0	51.6	M
						RPD = 8.82	
S 12 Polychlorinated biphenyls, Total							
1						1100.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

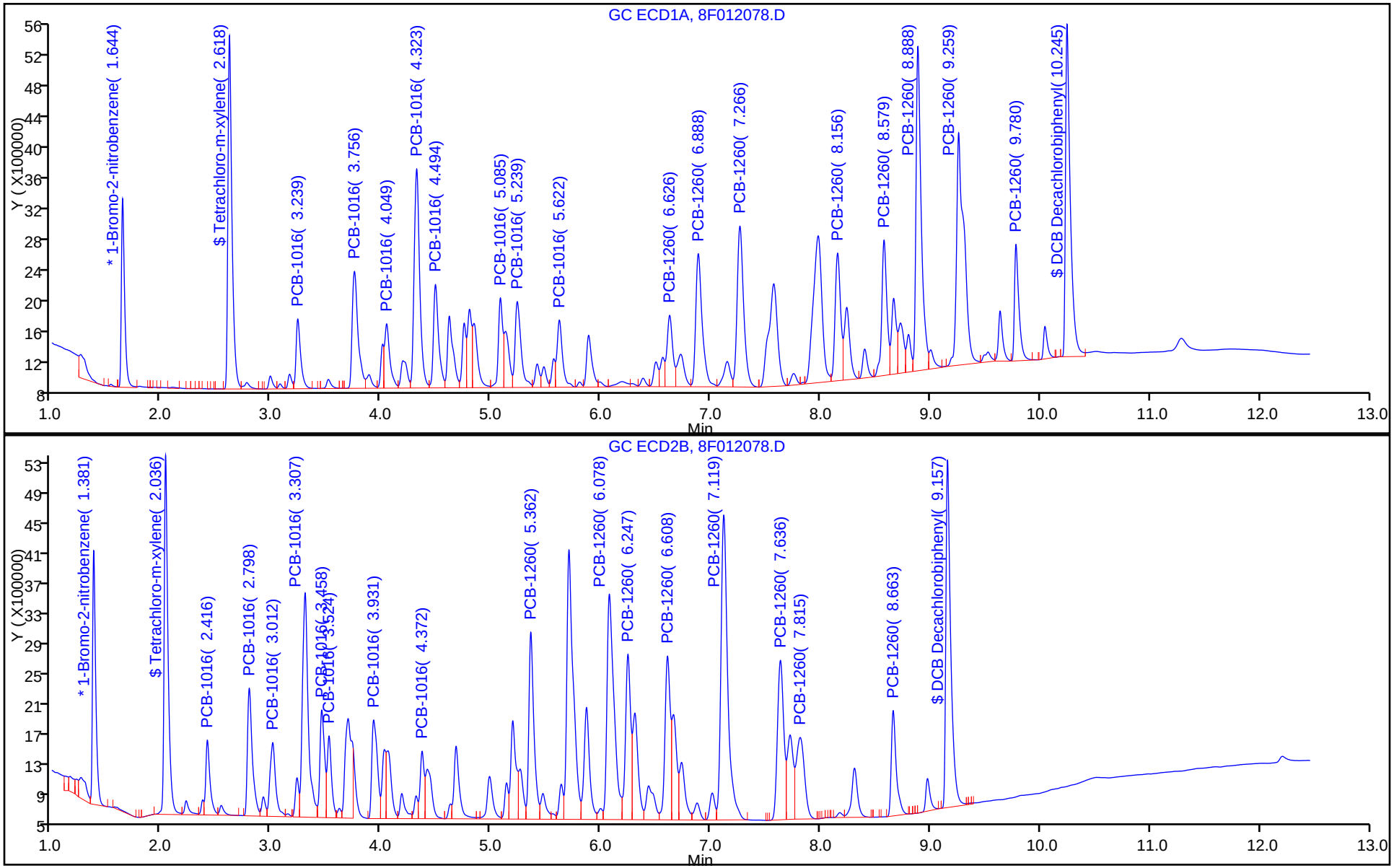
SG1660L2_00022	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D

Injection Date:	14-Jun-2016 10:17:01	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

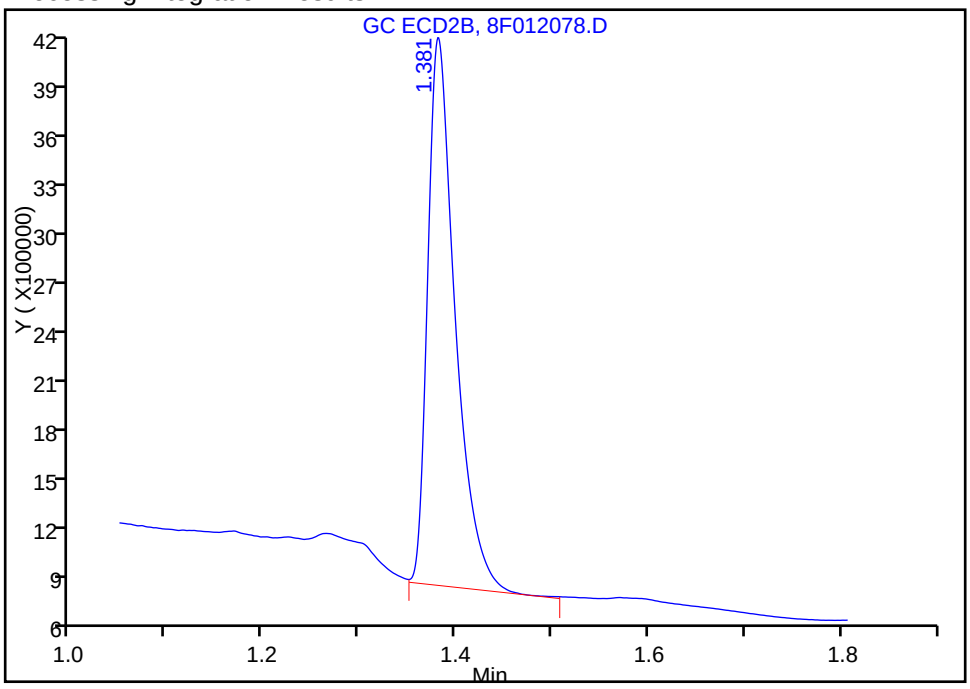
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D				
Injection Date:	14-Jun-2016 10:17:01	Instrument ID:	CPESTGC8		
Lims ID:	IC PCB 2				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

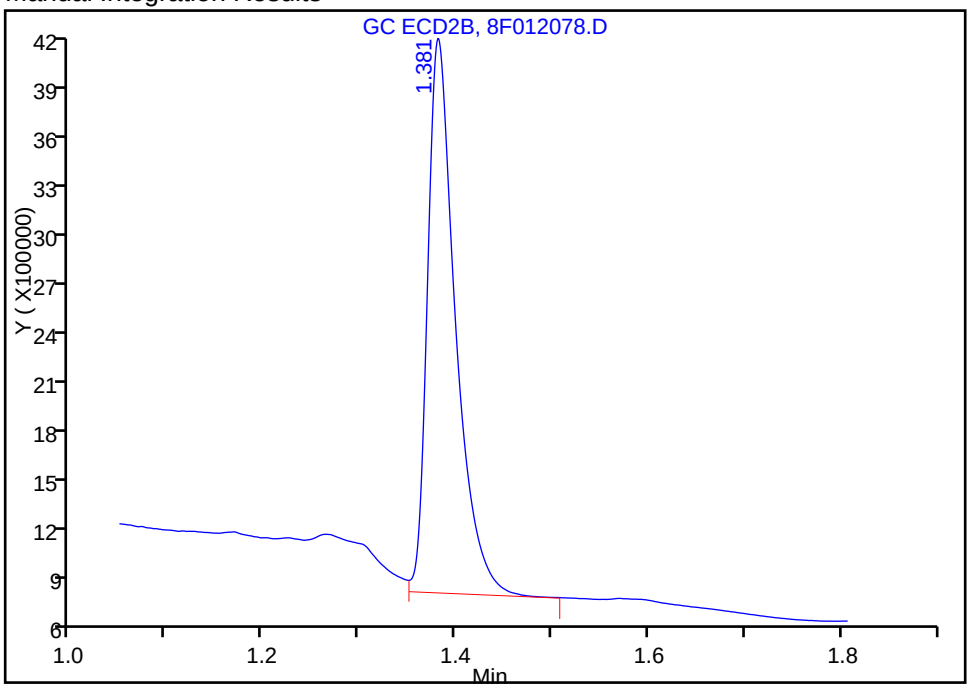
Processing Integration Results

RT: 1.38
Area: 6511638
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.38
Area: 6715505
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:38:26

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

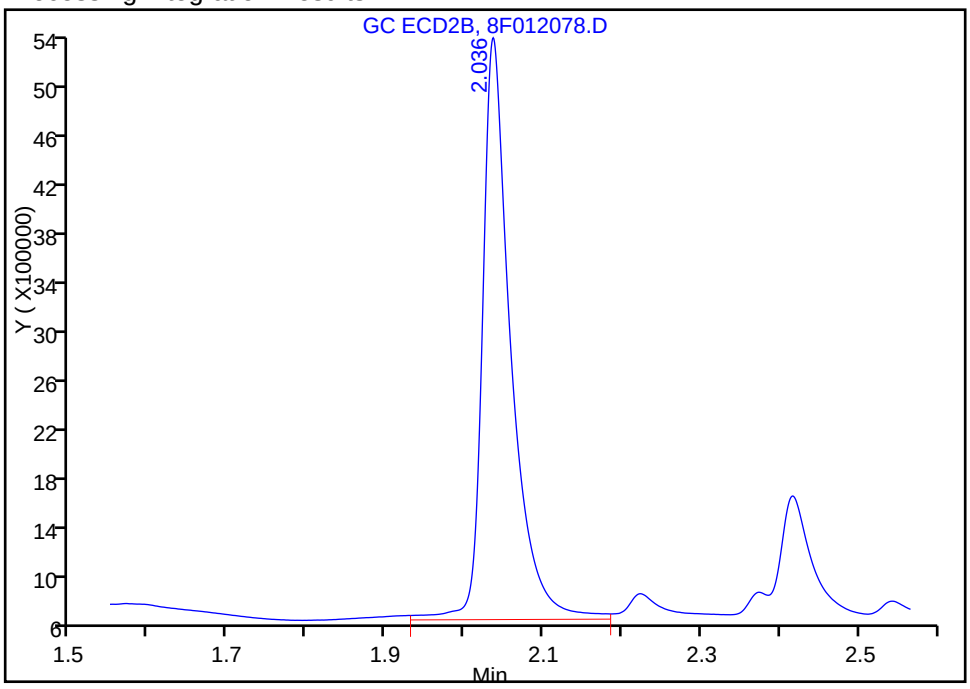
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D				
Injection Date:	14-Jun-2016 10:17:01	Instrument ID:	CPESTGC8		
Lims ID:	IC PCB 2				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

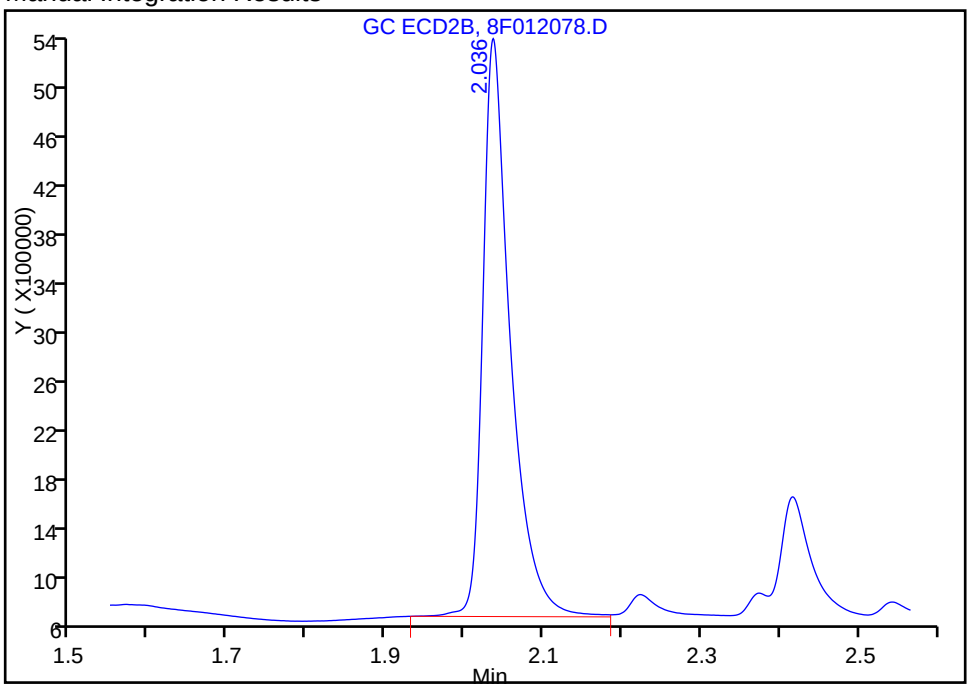
Processing Integration Results

RT: 2.04
Area: 11913494
Amount: 46.139565
Amount Units: ug/l



Manual Integration Results

RT: 2.04
Area: 11444854
Amount: 43.383902
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:38:26

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 16-Jun-2016 12:18:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D

Injection Date: 14-Jun-2016 10:17:01 Instrument ID: CPESTGC8

Lims ID: IC PCB 2

Client ID:

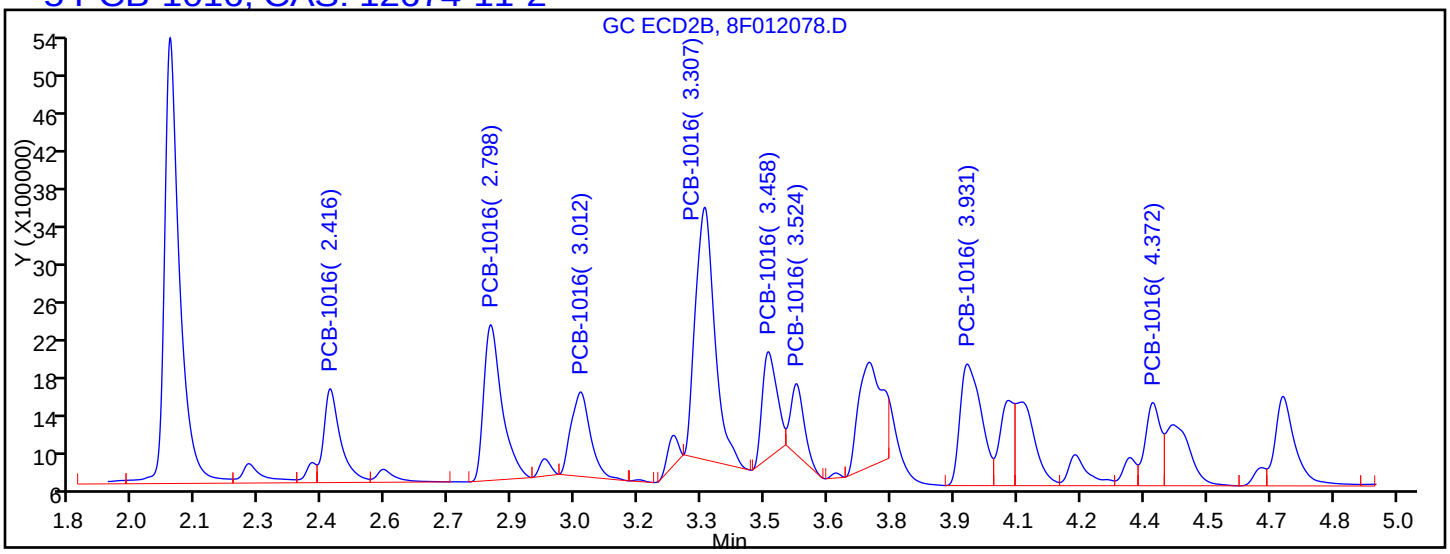
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

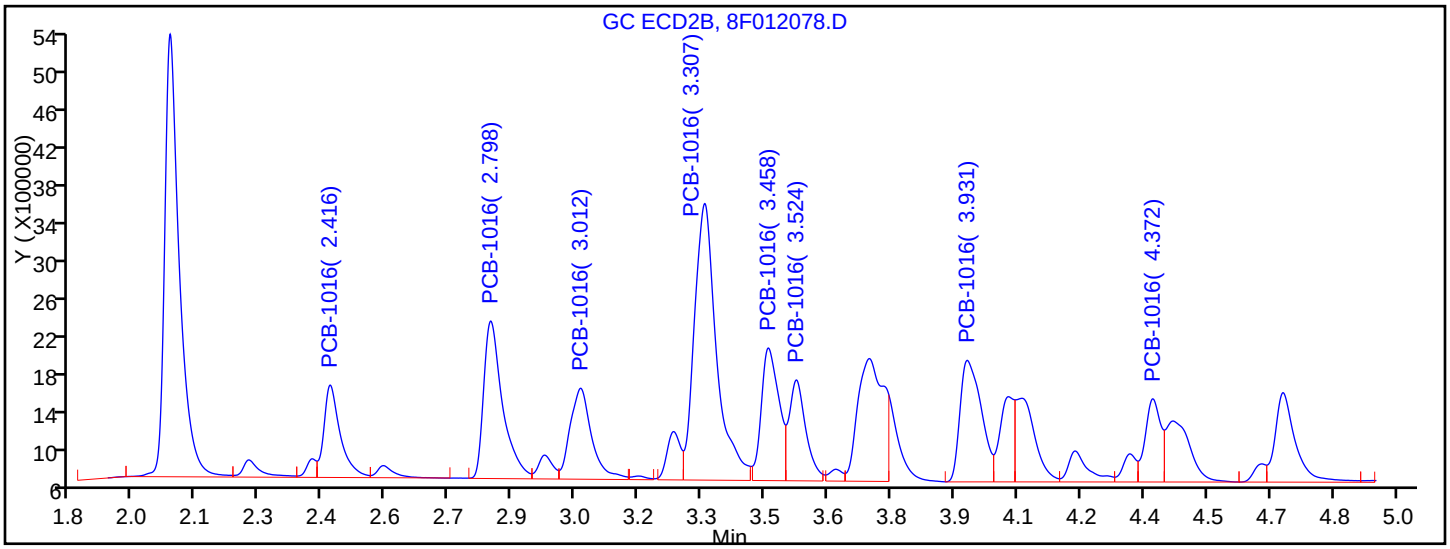
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.416	Response = 2751646	M
RT = 2.798	Response = 4951365	M
RT = 3.012	Response = 2855516	M
RT = 3.307	Response = 8599393	M
RT = 3.458	Response = 2733888	M
RT = 3.524	Response = 1662318	M
RT = 3.931	Response = 4542425	
RT = 4.372	Response = 2258811	



Manual Integration Results

RT = 2.416	Response = 2652911	M
RT = 2.798	Response = 5201043	M
RT = 3.012	Response = 3425003	M
RT = 3.307	Response = 10769420	M
RT = 3.458	Response = 4083323	M
RT = 3.524	Response = 2941989	M

Manual Integration/User Assign Peak Report

TestAmerica Edison

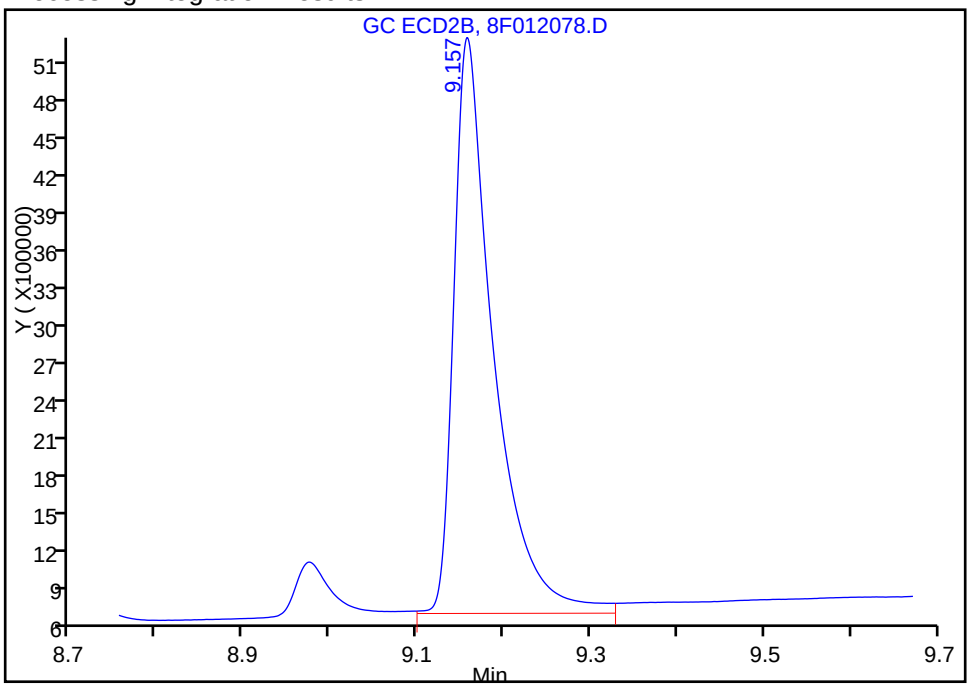
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012078.D
Injection Date: 14-Jun-2016 10:17:01 Instrument ID: CPESTGC8
Lims ID: IC PCB 2
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

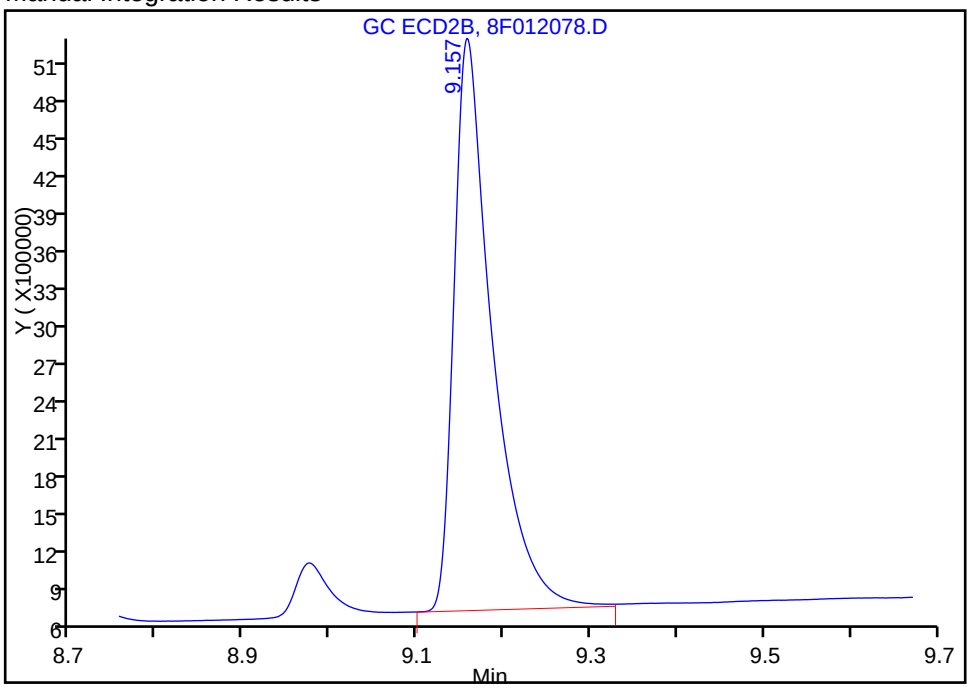
Processing Integration Results

RT: 9.16
Area: 14531389
Amount: 54.272485
Amount Units: ug/l



Manual Integration Results

RT: 9.16
Area: 13988834
Amount: 51.588746
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:38:26
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D
Lims ID: IC PCB 3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 14-Jun-2016 10:32:56 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-004
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:23 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:28:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.644	1.644	0.000	5814695	20.0	20.0	M
2	1.382	1.382	0.000	6321071	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.617	2.617	0.000	22127775	100.0	91.0	M
2	2.036	2.036	0.000	30309745	100.0	122.1	
						RPD = 29.14	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.239	3.239	0.000	4936421	1000.0	891.6	M
1	3.756	3.756	0.000	10338791	1000.0	913.8	M
1	4.049	4.049	0.000	5171648	1000.0	873.1	M
1	4.322	4.322	0.000	18681996	1000.0	908.5	M
1	4.493	4.493	0.000	8235118	1000.0	909.0	M
1	5.085	5.085	0.000	5653300	1000.0	878.9	M
1	5.238	5.238	0.000	7919390	1000.0	925.6	M
1	5.621	5.621	0.000	6144283	1000.0	925.8	M
		Average of Peak Amounts =				903.3	
2	2.416	2.416	0.000	5169724	1000.0	997.9	
2	2.798	2.798	0.000	9733967	1000.0	975.3	
2	3.012	3.012	0.000	6569824	1000.0	976.7	
2	3.307	3.307	0.000	20281378	1000.0	989.3	
2	3.458	3.458	0.000	7674645	1000.0	1001.5	
2	3.525	3.525	0.000	5694889	1000.0	1002.7	
2	3.931	3.931	0.000	8585265	1000.0	1015.5	
2	4.372	4.372	0.000	4282751	1000.0	1006.4	
		Average of Peak Amounts =				995.6	
						RPD = 9.73	
8 PCB-1260							M
1	6.626	6.626	0.000	6464464	1000.0	865.9	M
1	6.886	6.886	0.000	13341340	1000.0	881.6	M
1	7.266	7.266	0.000	15961370	1000.0	880.6	
1	8.155	8.155	0.000	11023010	1000.0	904.6	M
1	8.579	8.579	0.000	10896893	1000.0	920.2	M
1	8.886	8.886	0.000	26413729	1000.0	894.4	M
1	9.259	9.259	0.000	27006620	1000.0	904.1	M
1	9.781	9.781	0.000	8104160	1000.0	898.1	M
		Average of Peak Amounts =				893.7	
2	5.363	5.363	0.000	14347856	1000.0	981.5	
2	6.078	6.078	0.000	24332258	1000.0	1005.5	
2	6.247	6.247	0.000	12797733	1000.0	977.6	
2	6.607	6.607	0.000	13735795	1000.0	975.4	
2	7.120	7.120	0.000	34168030	1000.0	1030.4	
2	7.636	7.636	0.000	16631799	1000.0	1045.9	
2	7.816	7.816	0.000	11278131	1000.0	1062.1	M
2	8.663	8.663	0.000	8485602	1000.0	1020.5	
		Average of Peak Amounts =				1012.4	
						RPD = 12.45	
$ 11 DCB Decachlorobiphenyl							M
1	10.247	10.247	0.000	23701895	100.0	87.9	M
2	9.157	9.157	0.000	25835110	100.0	101.2	
						RPD = 14.09	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

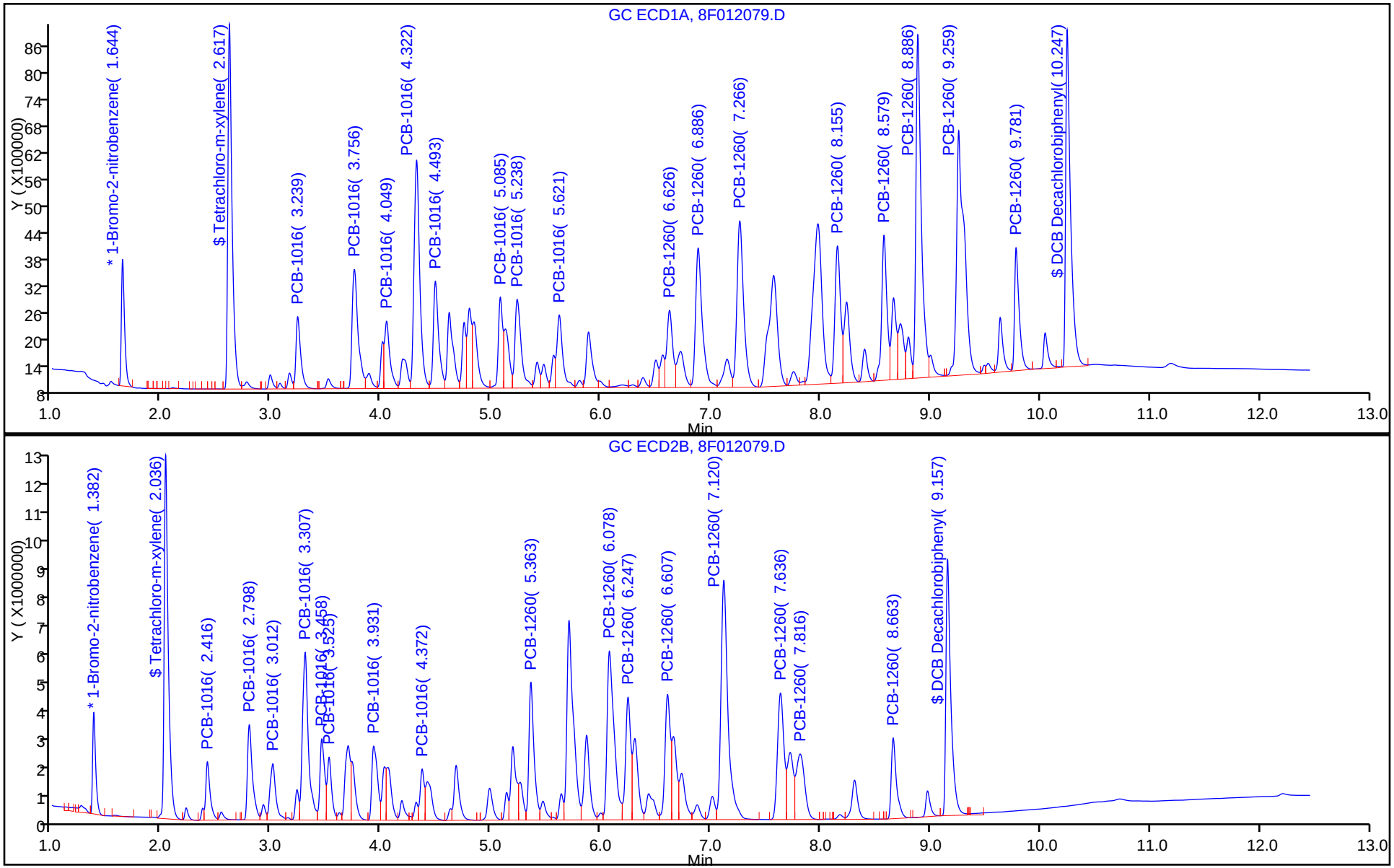
SG1660L3_00028	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D

Injection Date:	14-Jun-2016 10:32:56	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 16-Jun-2016 12:18:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012079.D

Injection Date: 14-Jun-2016 10:32:56 Instrument ID: CPESTGC8

Lims ID: IC PCB 3

Client ID:

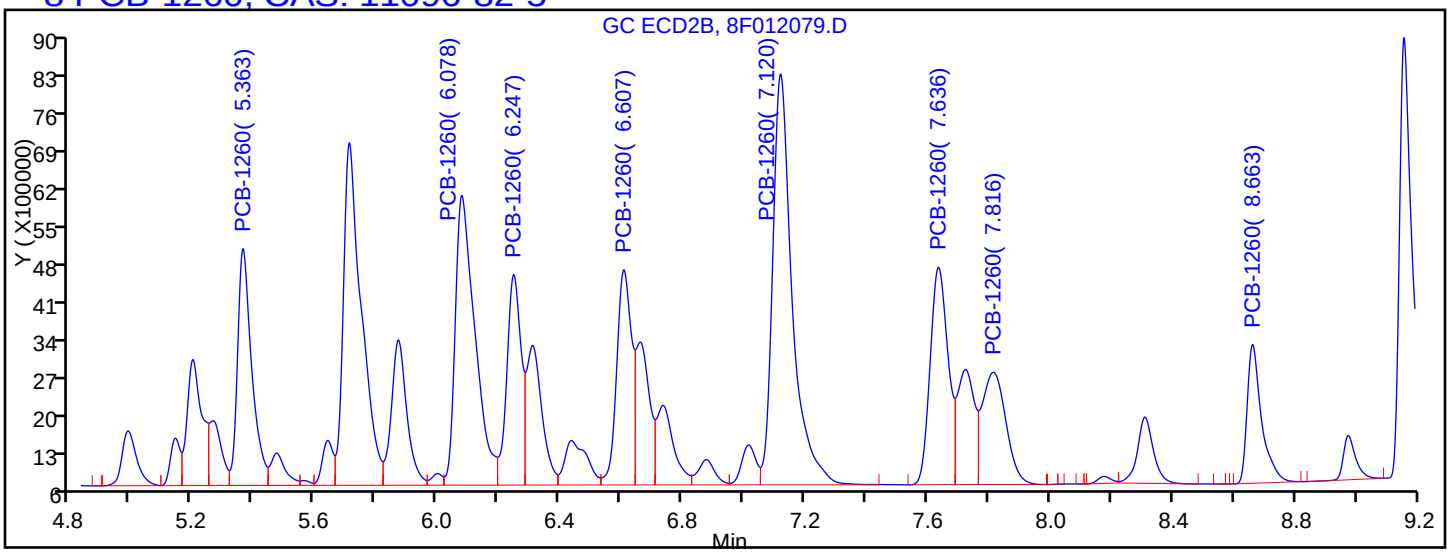
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

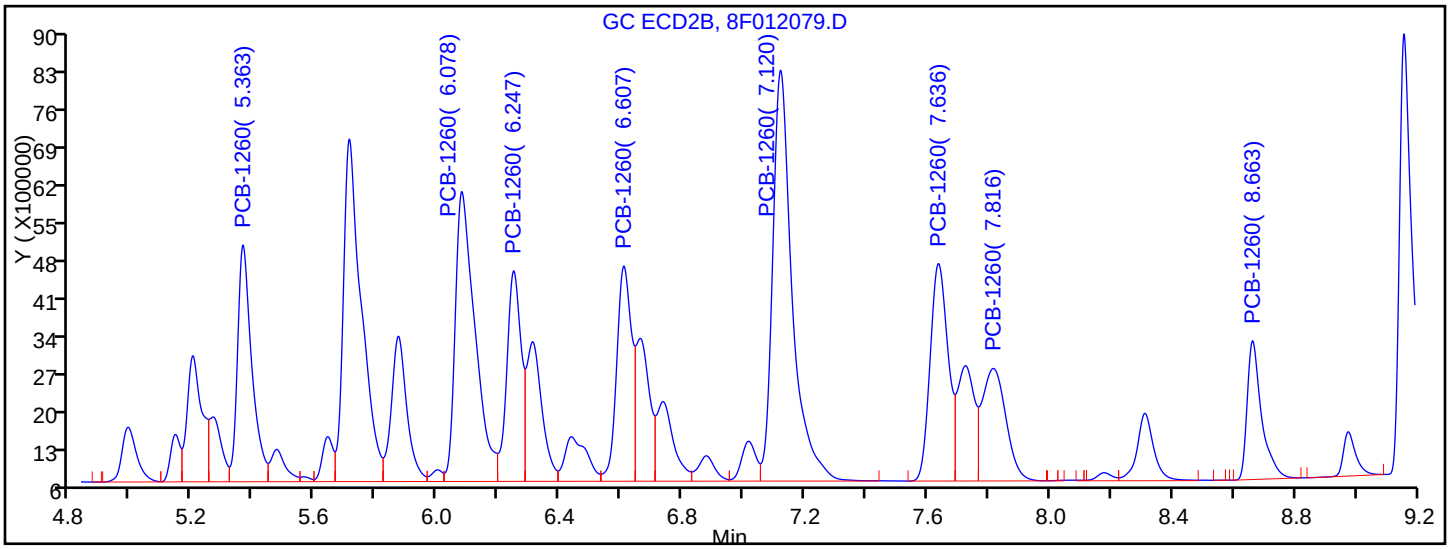
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.363	Response = 14347856	
RT = 6.078	Response = 24332258	
RT = 6.247	Response = 12797733	
RT = 6.607	Response = 13735795	
RT = 7.120	Response = 34168030	
RT = 7.636	Response = 16631799	
RT = 7.816	Response = 11239983	M
RT = 8.663	Response = 8485602	



Manual Integration Results

RT = 5.363	Response = 14347856
RT = 6.078	Response = 24332258
RT = 6.247	Response = 12797733
RT = 6.607	Response = 13735795
RT = 7.120	Response = 34168030
RT = 7.636	Response = 16631799

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012080.D
Lims ID: IC PCB 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jun-2016 10:48:53 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-005
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:32 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:39:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.644	1.644	0.000	5629080	20.0	20.0	M
2	1.381	1.382	-0.001	6150481	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.617	2.617	0.000	32921407	150.0	139.9	
2	2.036	2.036	0.000	40233965	150.0	166.5	
						RPD = 17.39	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.239	3.239	0.000	7562459	1500.0	1411.0	M
1	3.755	3.756	-0.001	15322754	1500.0	1399.0	M
1	4.048	4.049	-0.001	7803438	1500.0	1360.9	M
1	4.322	4.322	0.000	28230577	1500.0	1418.1	M
1	4.492	4.493	-0.001	12423279	1500.0	1416.5	M
1	5.085	5.085	0.000	8456629	1500.0	1358.1	M
1	5.238	5.238	0.000	11962180	1500.0	1444.2	M
1	5.621	5.621	0.000	9235619	1500.0	1437.5	M
		Average of Peak Amounts =				1405.7	
2	2.416	2.416	0.000	7829476	1500.0	1553.2	
2	2.798	2.798	0.000	14685030	1500.0	1512.2	
2	3.012	3.012	0.000	10133423	1500.0	1548.3	
2	3.306	3.307	-0.001	30894064	1500.0	1548.7	
2	3.458	3.458	0.000	11636252	1500.0	1560.5	
2	3.525	3.525	0.000	8862594	1500.0	1603.8	
2	3.931	3.931	0.000	12998483	1500.0	1580.1	
2	4.371	4.372	-0.001	6393100	1500.0	1543.9	
		Average of Peak Amounts =				1556.3	
						RPD = 10.17	
8 PCB-1260							
1	6.625	6.626	-0.001	9797864	1500.0	1355.6	
1	6.886	6.886	0.000	20134364	1500.0	1374.4	
1	7.265	7.266	-0.001	24219757	1500.0	1380.3	
1	8.154	8.155	-0.001	16362482	1500.0	1387.1	
1	8.579	8.579	0.000	16511958	1500.0	1440.3	
1	8.887	8.886	0.001	39818730	1500.0	1392.8	
1	9.259	9.259	0.000	41260987	1500.0	1426.8	
1	9.782	9.781	0.001	12439703	1500.0	1424.0	
		Average of Peak Amounts =				1397.7	
2	5.362	5.363	-0.001	21104920	1500.0	1483.8	
2	6.077	6.078	-0.001	36072305	1500.0	1532.0	
2	6.246	6.247	-0.001	19015560	1500.0	1492.9	
2	6.607	6.607	0.000	20062227	1500.0	1464.1	
2	7.119	7.120	-0.001	50084750	1500.0	1552.3	
2	7.636	7.636	0.000	24202791	1500.0	1564.2	
2	7.816	7.816	0.000	16947965	1500.0	1640.3	
2	8.663	8.663	0.000	12839218	1500.0	1586.9	
		Average of Peak Amounts =				1539.6	
						RPD = 9.66	
$ 11 DCB Decachlorobiphenyl							M
1	10.247	10.247	0.000	34269264	150.0	131.3	
2	9.158	9.157	0.001	36340012	150.0	146.3	M
						RPD = 10.84	
S 12 Polychlorinated biphenyls, Total							
1						2803.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

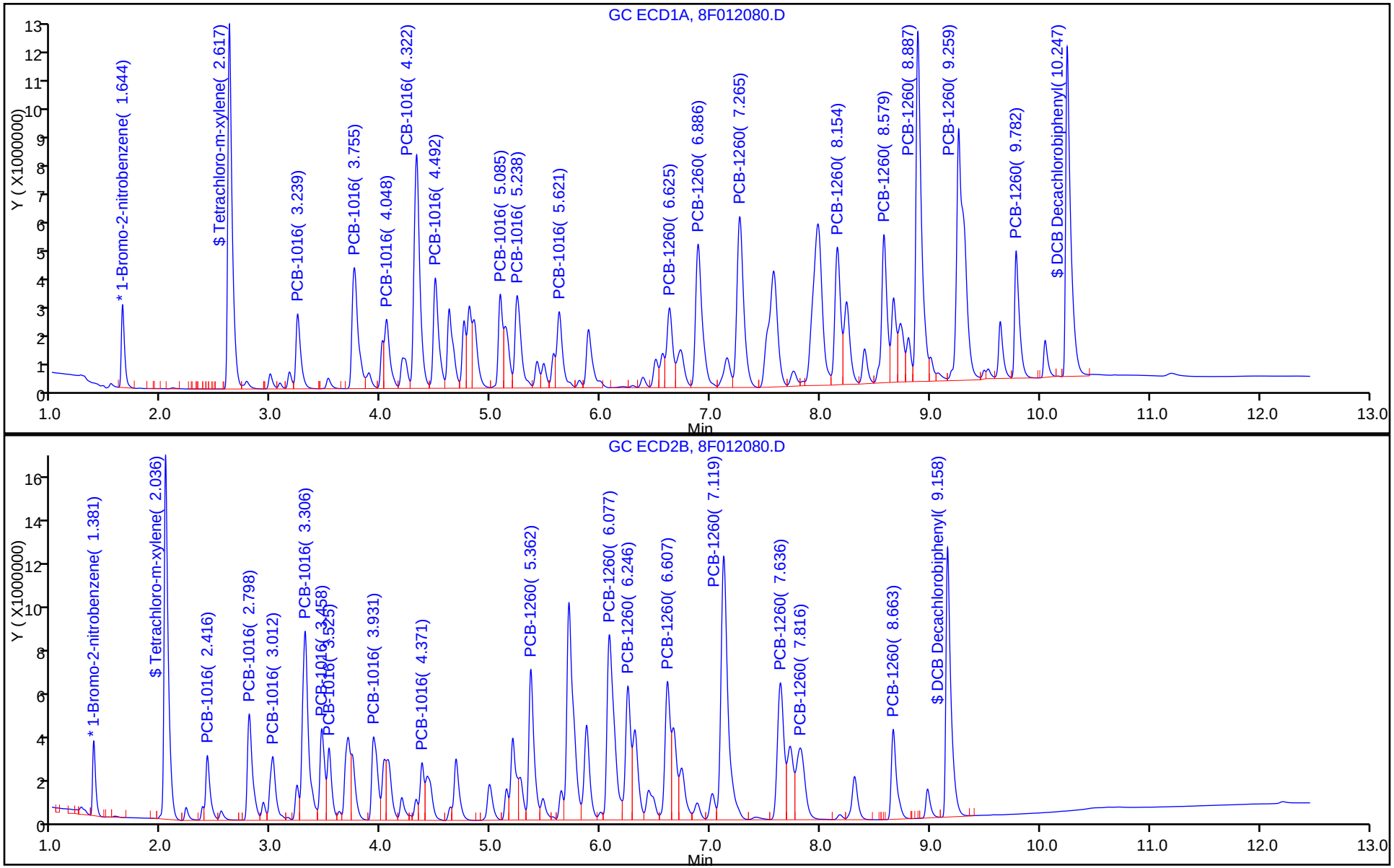
SG1660L4_00021	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012080.D

Injection Date:	14-Jun-2016 10:48:53	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

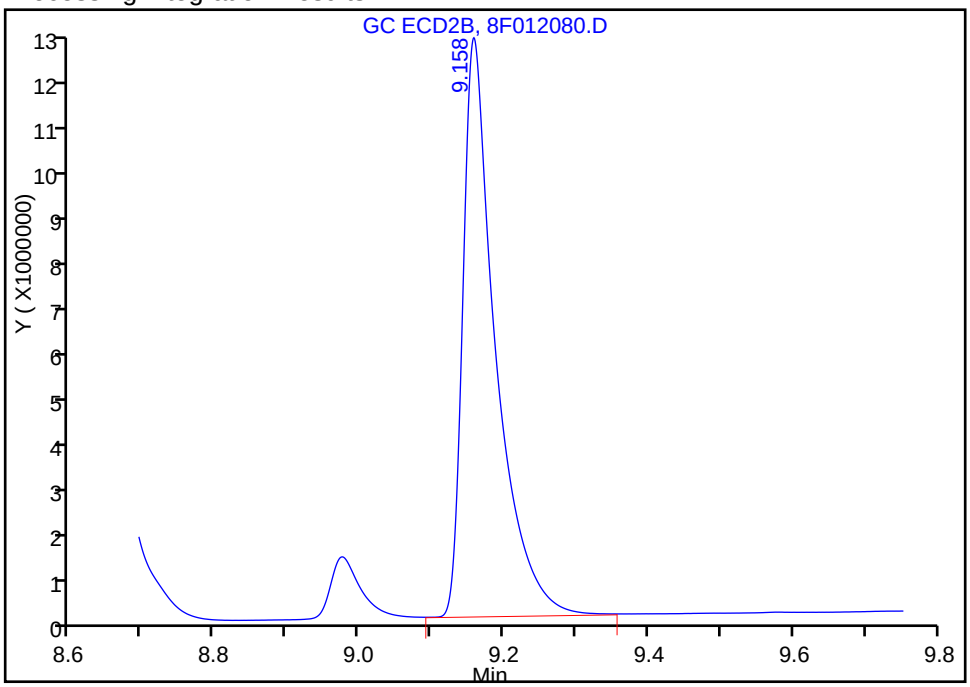
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012080.D
Injection Date: 14-Jun-2016 10:48:53 Instrument ID: CPESTGC8
Lims ID: IC PCB 4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

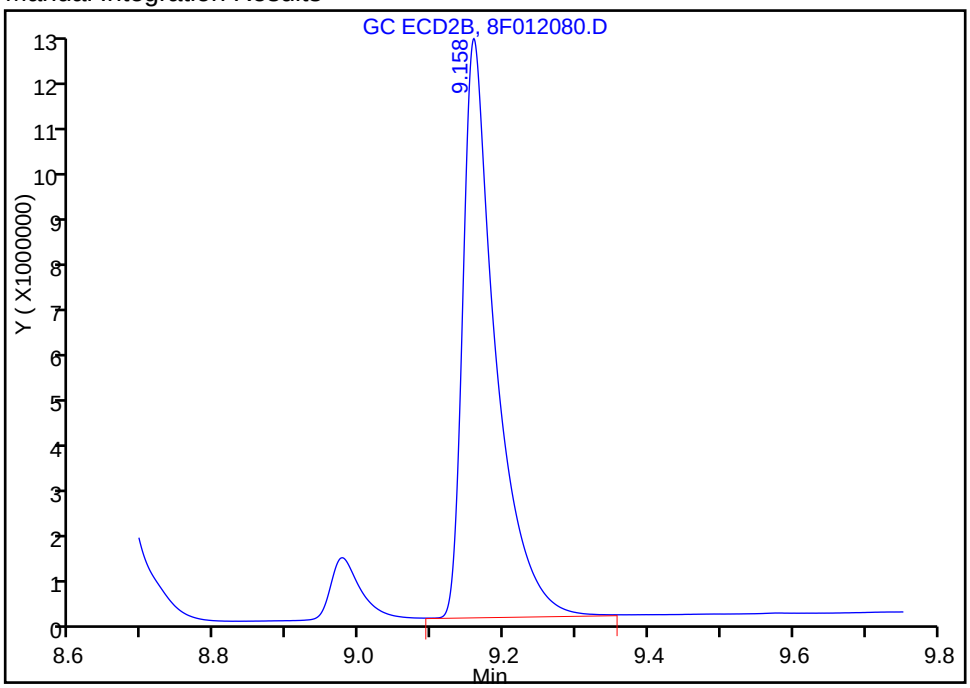
Processing Integration Results

RT: 9.16
Area: 37241383
Amount: 149.4173
Amount Units: ug/l



Manual Integration Results

RT: 9.16
Area: 36340012
Amount: 146.3282
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:39:32
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D
Lims ID: IC PCB 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Jun-2016 11:04:48 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-006
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:37 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:40:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.646	1.644	0.002	4798013	20.0	20.0	M
2	1.384	1.382	0.002	6341753	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.618	2.617	0.001	43744028	200.0	218.1	
2	2.038	2.036	0.002	47125980	200.0	189.2	
						RPD = 14.19	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.240	3.239	0.001	11905384	2500.0	2606.0	
1	3.756	3.756	0.000	23961696	2500.0	2566.7	
1	4.050	4.049	0.001	12619266	2500.0	2582.0	M
1	4.322	4.322	0.000	45182231	2500.0	2662.8	M
1	4.493	4.493	0.000	19767164	2500.0	2644.2	M
1	5.084	5.085	-0.001	13075233	2500.0	2463.5	M
1	5.238	5.238	0.000	18825234	2500.0	2666.5	M
1	5.622	5.621	0.001	14799684	2500.0	2702.6	M
		Average of Peak Amounts =				2611.8	
2	2.418	2.416	0.002	12091305	2500.0	2326.3	
2	2.799	2.798	0.001	22915354	2500.0	2288.5	
2	3.013	3.012	0.001	16004667	2500.0	2371.6	
2	3.307	3.307	0.000	49025401	2500.0	2383.6	
2	3.458	3.458	0.000	18218366	2500.0	2369.6	
2	3.526	3.525	0.001	14421632	2500.0	2531.0	
2	3.931	3.931	0.000	20445478	2500.0	2410.4	
2	4.372	4.372	0.000	10059753	2500.0	2356.1	
		Average of Peak Amounts =				2379.6	
						RPD = 9.30	
8 PCB-1260							M
1	6.626	6.626	0.000	16066793	2500.0	2608.1	
1	6.887	6.886	0.001	32947168	2500.0	2638.6	
1	7.265	7.266	-0.001	39237776	2500.0	2623.4	
1	8.155	8.155	0.000	27177924	2500.0	2703.0	M
1	8.578	8.579	-0.001	27102039	2500.0	2773.6	M
1	8.887	8.886	0.001	64898106	2500.0	2663.2	M
1	9.259	9.259	0.000	65665019	2500.0	2663.9	M
1	9.782	9.781	0.001	20277361	2500.0	2723.2	
		Average of Peak Amounts =				2674.6	
2	5.362	5.363	-0.001	33158329	2500.0	2260.9	M
2	6.077	6.078	-0.001	57082277	2500.0	2351.1	M
2	6.247	6.247	0.000	29718013	2500.0	2262.8	M
2	6.607	6.607	0.000	31943147	2500.0	2260.9	M
2	7.120	7.120	0.000	80294092	2500.0	2413.5	M
2	7.637	7.636	0.001	38678937	2500.0	2424.3	
2	7.815	7.816	-0.001	26903022	2500.0	2525.2	
2	8.663	8.663	0.000	21020292	2500.0	2519.8	
		Average of Peak Amounts =				2377.3	
						RPD = 11.77	
$ 11 DCB Decachlorobiphenyl							M
1	10.246	10.247	-0.001	45420003	200.0	204.1	
2	9.157	9.157	0.000	48015553	200.0	187.5	M
						RPD = 8.49	
S 12 Polychlorinated biphenyls, Total							
1						5286.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

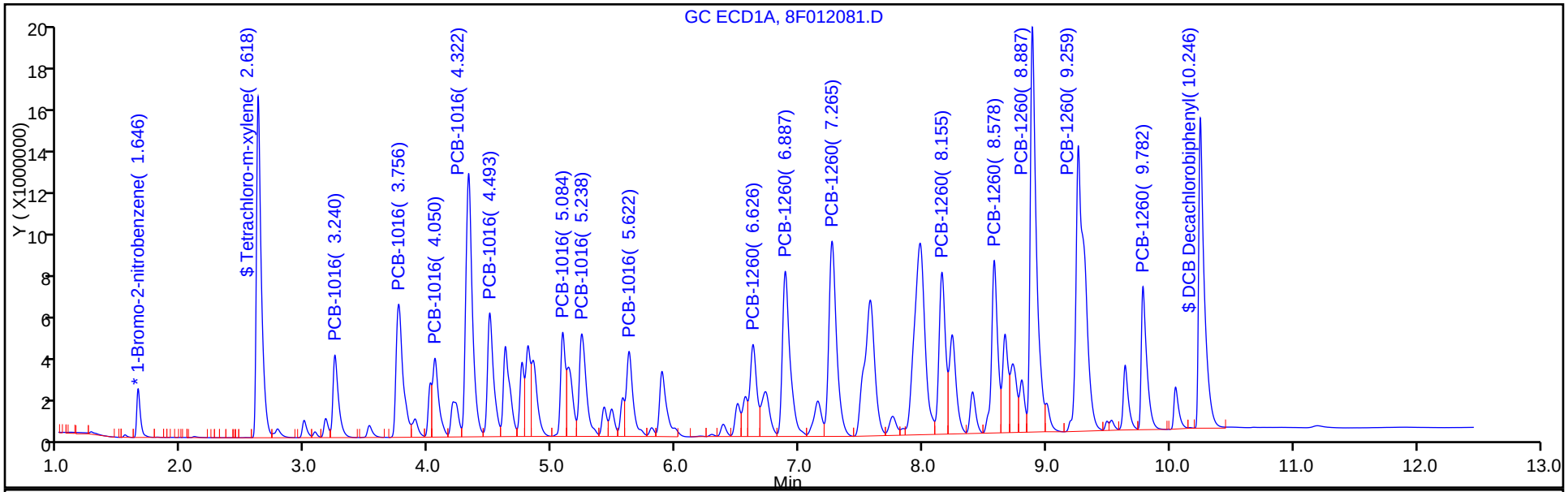
SG1660L5_00021	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

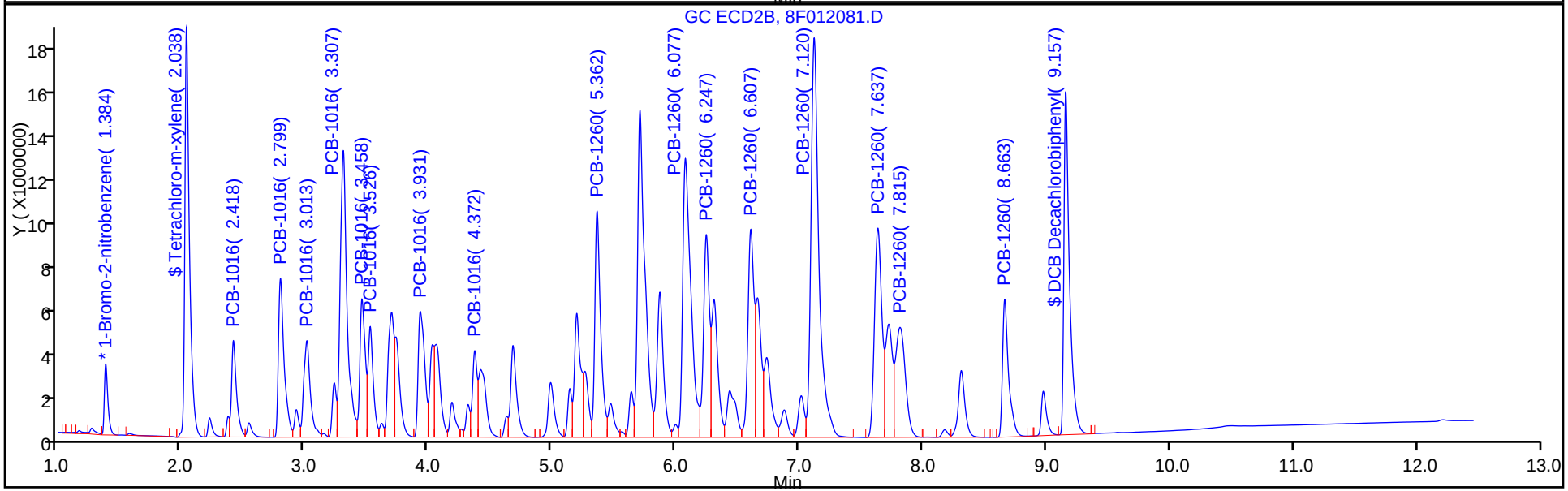
Report Date: 16-Jun-2016 12:18:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D

Injection Date:	14-Jun-2016 11:04:48	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC PCB 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

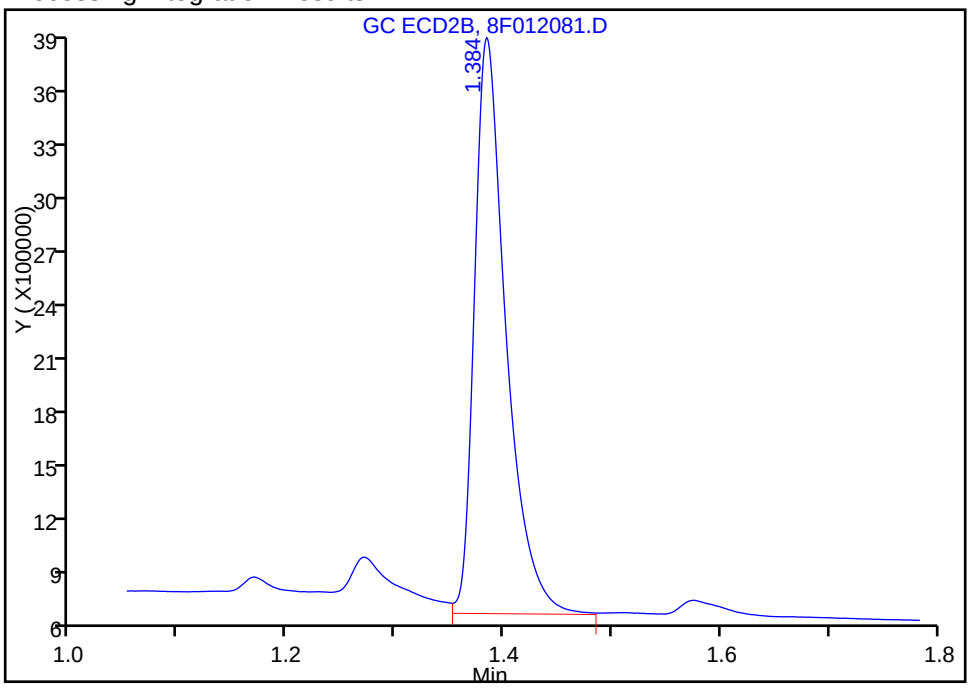
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D
Injection Date: 14-Jun-2016 11:04:48 Instrument ID: CPESTGC8
Lims ID: IC PCB 5
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

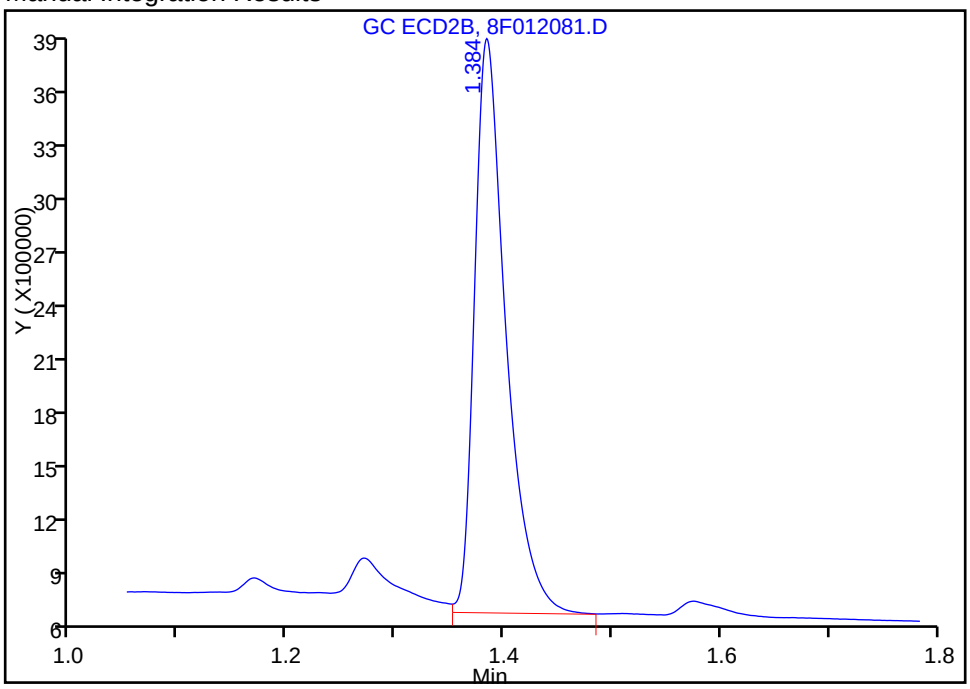
Processing Integration Results

RT: 1.38
Area: 6201817
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.38
Area: 6341753
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:40:26
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 16-Jun-2016 12:18:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D

Injection Date: 14-Jun-2016 11:04:48 Instrument ID: CPESTGC8

Lims ID: IC PCB 5

Client ID:

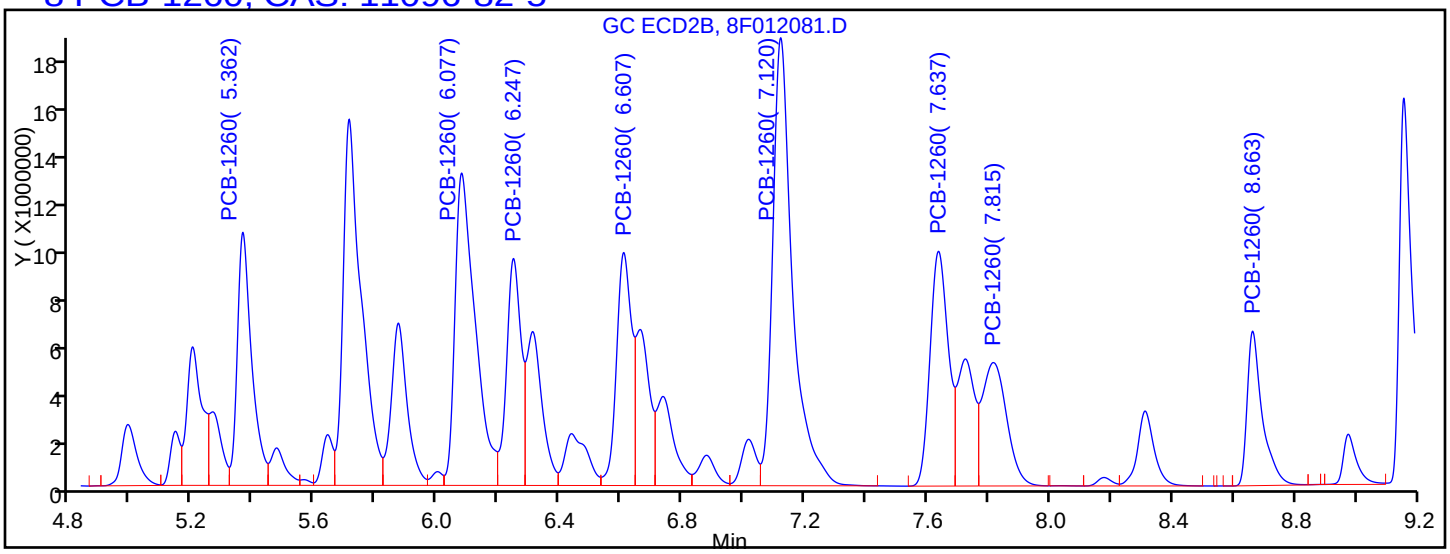
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

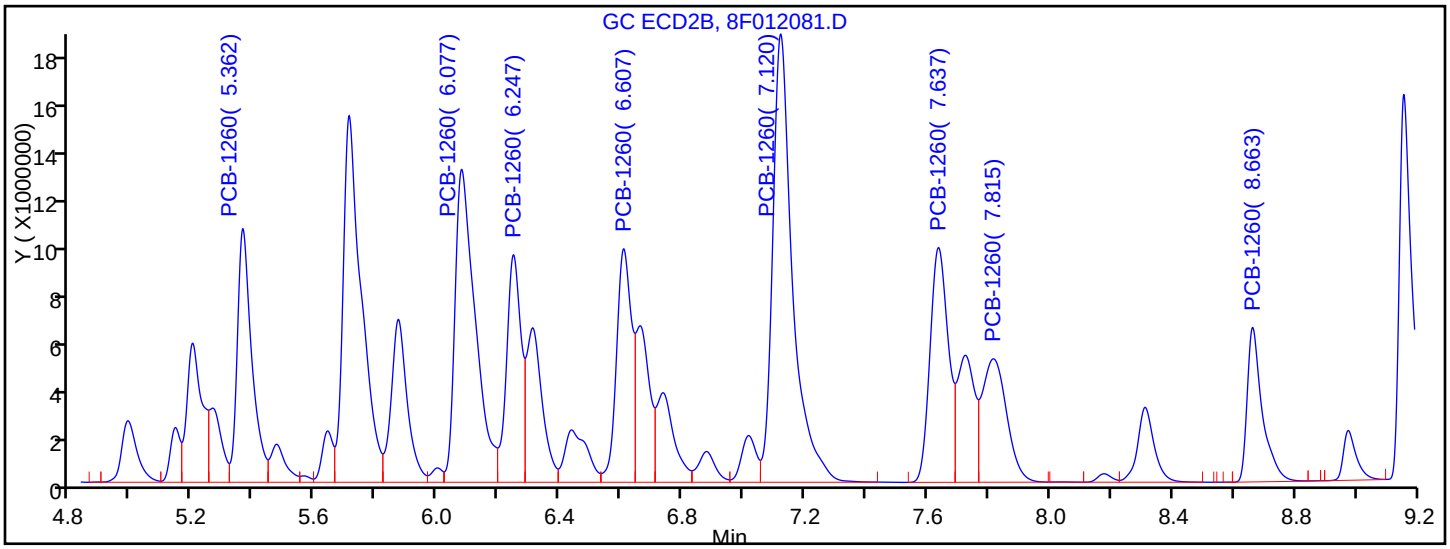
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.362	Response = 32966471	M
RT = 6.077	Response = 56834777	M
RT = 6.247	Response = 29597112	M
RT = 6.607	Response = 31817472	M
RT = 7.120	Response = 80090583	M
RT = 7.637	Response = 38678937	
RT = 7.815	Response = 26903022	
RT = 8.663	Response = 21020292	



Manual Integration Results

RT = 5.362	Response = 33158329	M
RT = 6.077	Response = 57082277	M
RT = 6.247	Response = 29718013	M
RT = 6.607	Response = 31943147	M
RT = 7.120	Response = 80294092	M
RT = 7.637	Response = 38678937	

Manual Integration/User Assign Peak Report

TestAmerica Edison

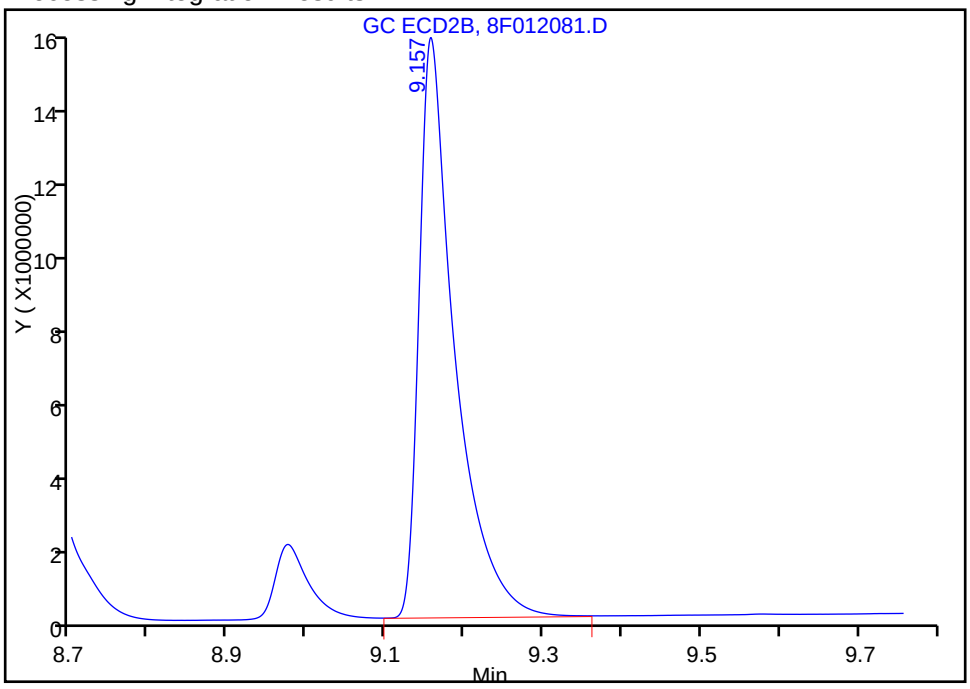
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012081.D
Injection Date: 14-Jun-2016 11:04:48 Instrument ID: CPESTGC8
Lims ID: IC PCB 5
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

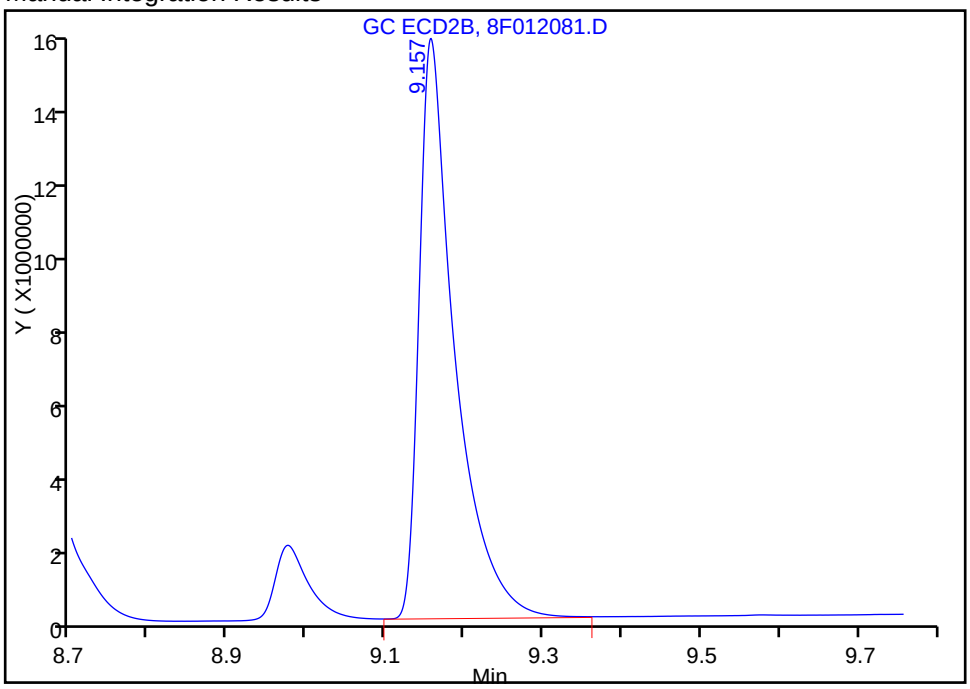
Processing Integration Results

RT: 9.16
Area: 48972315
Amount: 195.8010
Amount Units: ug/l



Manual Integration Results

RT: 9.16
Area: 48015553
Amount: 187.5101
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:40:26
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 11:36 Calibration End Date: 06/14/2016 11:36 Calibration ID: 56231

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/8	8F012083.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0081					Ave		0.0081						20.0			0.9900
PCB-1221 Peak 2	0.0108					Ave		0.0108						20.0			0.9900
PCB-1221 Peak 3	0.0069					Ave		0.0069						20.0			0.9900
PCB-1221 Peak 4	0.0288					Ave		0.0288						20.0			0.9900
PCB-1221 Peak 5	0.0055					Ave		0.0055						20.0			0.9900
PCB-1221 Peak 6	0.0049					Ave		0.0049						20.0			0.9900
PCB-1221 Peak 7	0.0025					Ave		0.0025						20.0			0.9900
PCB-1221 Peak 8	0.0015					Ave		0.0015						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 11:36 Calibration End Date: 06/14/2016 11:36 Calibration ID: 56231

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/8	8F012083.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	2109973					1000				
PCB-1221 Peak 2	BNB	Ave	2788537					1000				
PCB-1221 Peak 3	BNB	Ave	1794148					1000				
PCB-1221 Peak 4	BNB	Ave	7469515					1000				
PCB-1221 Peak 5	BNB	Ave	1424968					1000				
PCB-1221 Peak 6	BNB	Ave	1273599					1000				
PCB-1221 Peak 7	BNB	Ave	659576					1000				
PCB-1221 Peak 8	BNB	Ave	385754					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012083.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 11:36:36 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-008
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:55 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:54:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.647	1.647	0.000	5181350	20.0	20.0	M
2	1.384	1.384	0.000	5725627	20.0	20.0	
						RPD = 0.00	
1 PCB-1221							M
1	2.102	2.102	0.000	2109973	1000.0	1000.0	M
1	2.991	2.991	0.000	2788537	1000.0	1000.0	M
1	3.166	3.166	0.000	1794148	1000.0	1000.0	M
1	3.241	3.241	0.000	7469515	1000.0	1000.0	M
1	3.817	3.817	0.000	1424968	1000.0	1000.0	M
1	4.322	4.322	0.000	1273599	1000.0	1000.0	M
1	4.494	4.494	0.000	659576	1000.0	1000.0	M
1	4.618	4.618	0.000	385754	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.574	1.574	0.000	2964367	1000.0	1000.0	M
2	2.226	2.226	0.000	2862753	1000.0	1000.0	M
2	2.377	2.377	0.000	1213701	1000.0	1000.0	M
2	2.418	2.418	0.000	7635337	1000.0	1000.0	M
2	2.802	2.802	0.000	670741	1000.0	1000.0	M
2	2.930	2.930	0.000	1108280	1000.0	1000.0	a
2	3.308	3.308	0.000	1312842	1000.0	1000.0	M
2	3.458	3.458	0.000	536709	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

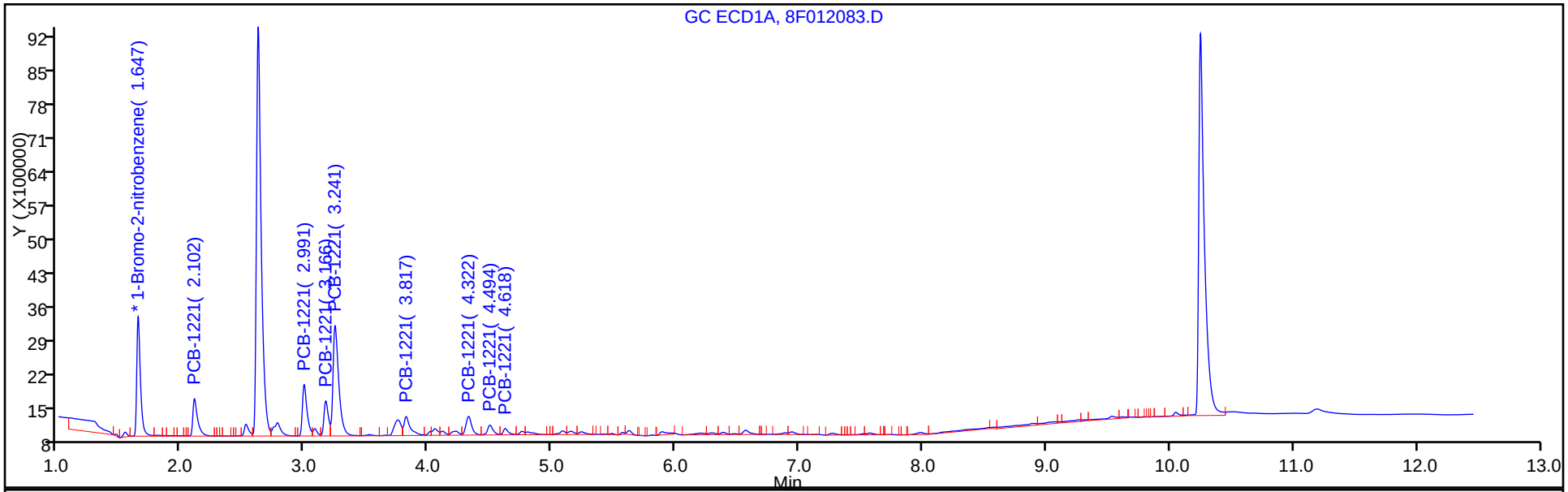
SG1221L3_00025	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

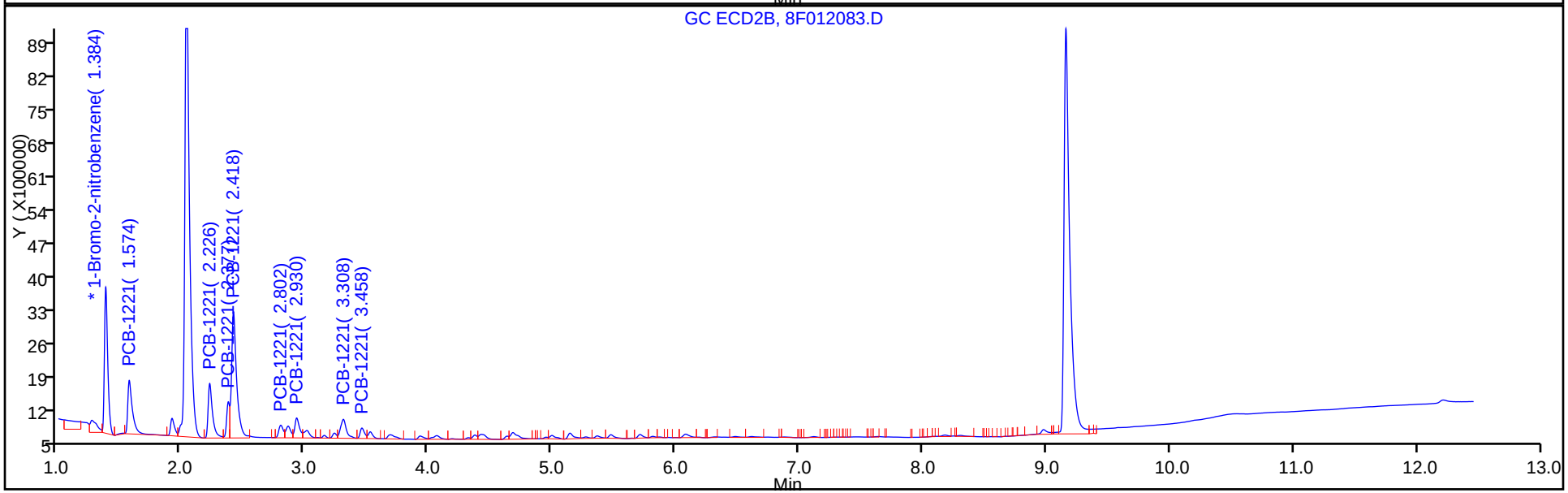
Report Date: 16-Jun-2016 12:19:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012083.D

Injection Date:	14-Jun-2016 11:36:36	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

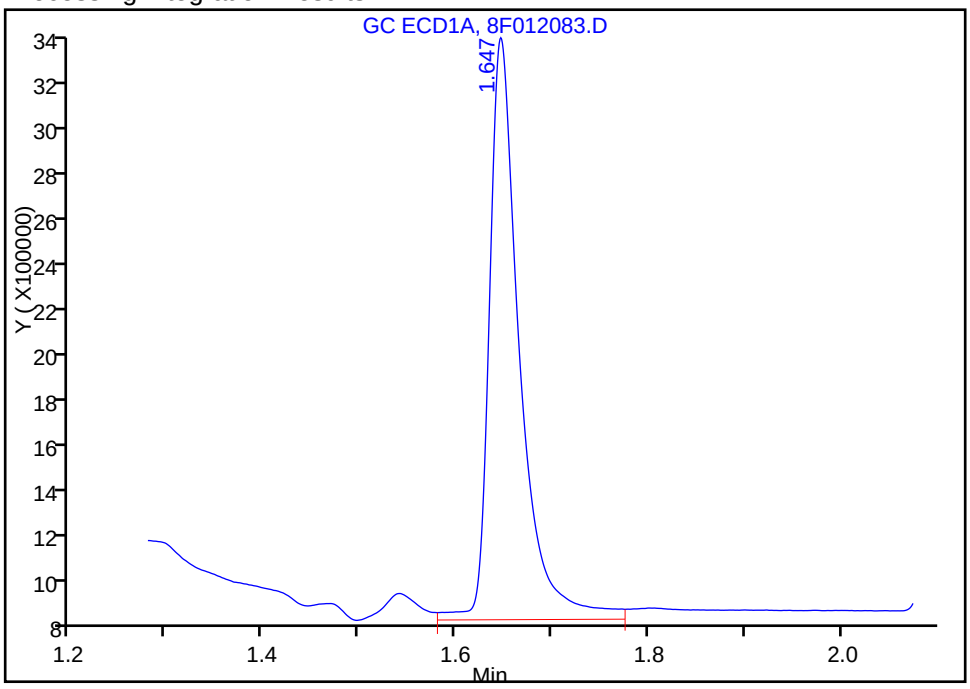
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012083.D
Injection Date: 14-Jun-2016 11:36:36 Instrument ID: CPESTGC8
Lims ID: IC 1221
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

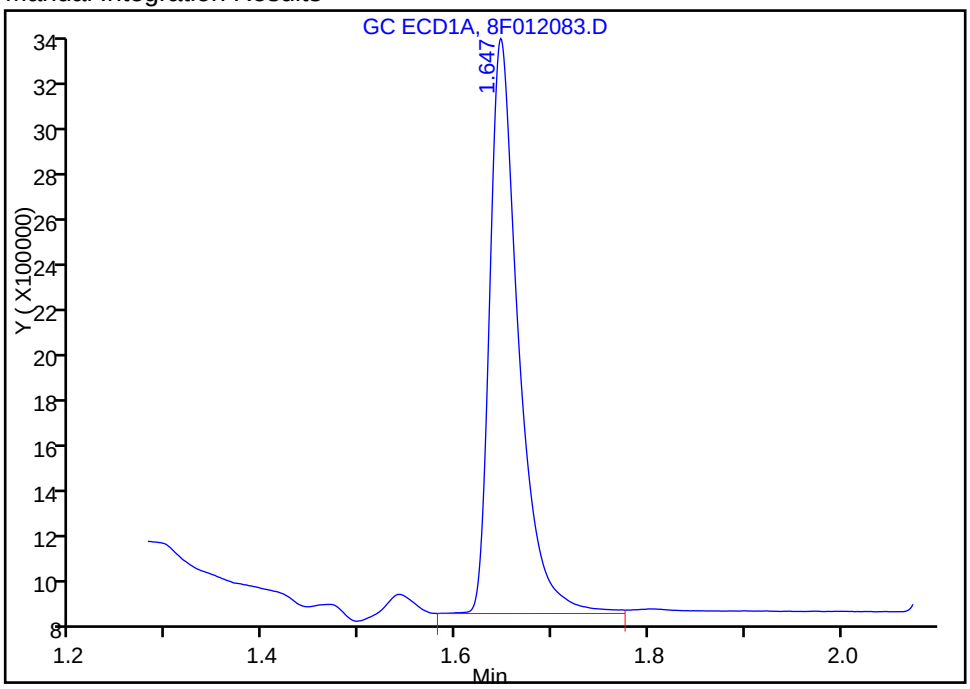
Processing Integration Results

RT: 1.65
Area: 5531256
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.65
Area: 5181350
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:54:20
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

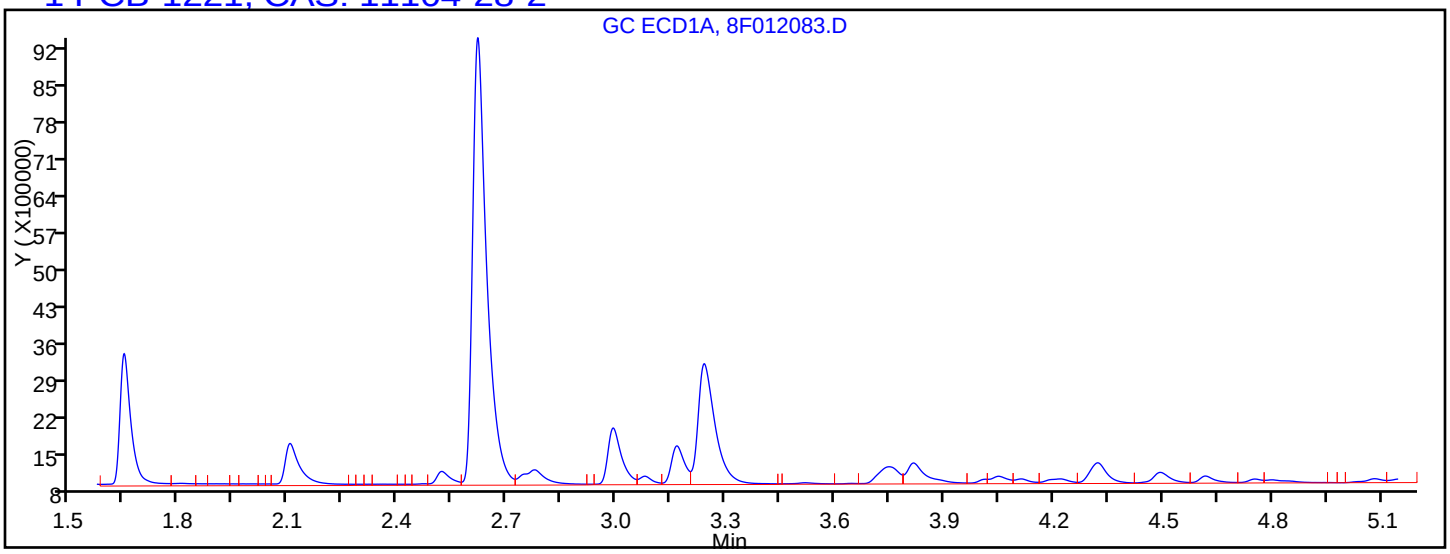
Report Date: 16-Jun-2016 12:19:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

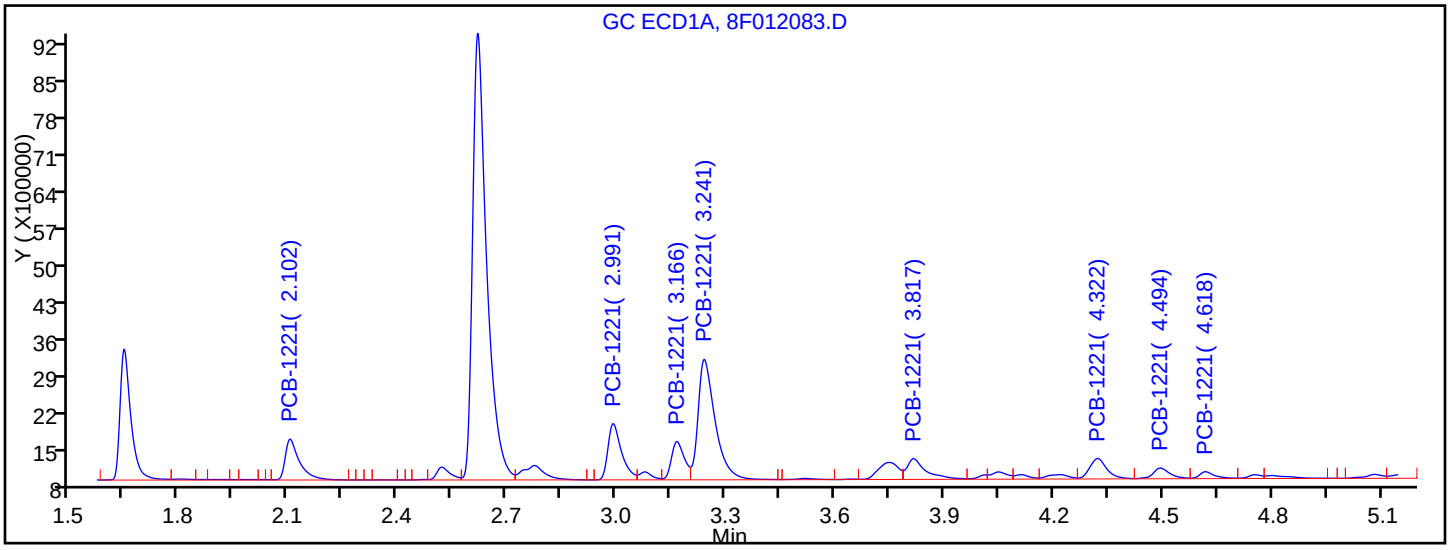
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012083.D

Injection Date:	14-Jun-2016 11:36:36	Instrument ID:	CPESTGC8
Lims ID:	IC 1221		
Client ID:			
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD
Column:		Detector	GC ECD1A

1 PCB-1221, CAS: 11104-28-2



Processing Integration Results



Manual Integration Results

RT = 2.102	Response = 2109973	M
RT = 2.991	Response = 2788537	M
RT = 3.166	Response = 1794148	M
RT = 3.241	Response = 7469515	M
RT = 3.817	Response = 1424968	M
RT = 4.322	Response = 1273599	M
RT = 4.494	Response = 659576	M
RT = 4.618	Response = 385754	M

Reviewer: patelji, 15-Jun-2016 10:54:20

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 11:36 Calibration End Date: 06/14/2016 11:36 Calibration ID: 56232

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/8	8F012083.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0104					Ave		0.0104						20.0			0.9900
PCB-1221 Peak 2	0.0100					Ave		0.0100						20.0			0.9900
PCB-1221 Peak 3	0.0042					Ave		0.0042						20.0			0.9900
PCB-1221 Peak 4	0.0267					Ave		0.0267						20.0			0.9900
PCB-1221 Peak 5	0.0023					Ave		0.0023						20.0			0.9900
PCB-1221 Peak 6	0.0039					Ave		0.0039						20.0			0.9900
PCB-1221 Peak 7	0.0046					Ave		0.0046						20.0			0.9900
PCB-1221 Peak 8	0.0019					Ave		0.0019						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 11:36 Calibration End Date: 06/14/2016 11:36 Calibration ID: 56232

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/8	8F012083.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	2964367					1000				
PCB-1221 Peak 2	BNB	Ave	2862753					1000				
PCB-1221 Peak 3	BNB	Ave	1213701					1000				
PCB-1221 Peak 4	BNB	Ave	7635337					1000				
PCB-1221 Peak 5	BNB	Ave	670741					1000				
PCB-1221 Peak 6	BNB	Ave	1108280					1000				
PCB-1221 Peak 7	BNB	Ave	1312842					1000				
PCB-1221 Peak 8	BNB	Ave	536709					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012083.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 11:36:36 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-008
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:55 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:54:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.647	1.647	0.000	5181350	20.0	20.0	M
2	1.384	1.384	0.000	5725627	20.0	20.0	
						RPD = 0.00	
1 PCB-1221							M
1	2.102	2.102	0.000	2109973	1000.0	1000.0	M
1	2.991	2.991	0.000	2788537	1000.0	1000.0	M
1	3.166	3.166	0.000	1794148	1000.0	1000.0	M
1	3.241	3.241	0.000	7469515	1000.0	1000.0	M
1	3.817	3.817	0.000	1424968	1000.0	1000.0	M
1	4.322	4.322	0.000	1273599	1000.0	1000.0	M
1	4.494	4.494	0.000	659576	1000.0	1000.0	M
1	4.618	4.618	0.000	385754	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.574	1.574	0.000	2964367	1000.0	1000.0	M
2	2.226	2.226	0.000	2862753	1000.0	1000.0	M
2	2.377	2.377	0.000	1213701	1000.0	1000.0	M
2	2.418	2.418	0.000	7635337	1000.0	1000.0	M
2	2.802	2.802	0.000	670741	1000.0	1000.0	M
2	2.930	2.930	0.000	1108280	1000.0	1000.0	a
2	3.308	3.308	0.000	1312842	1000.0	1000.0	M
2	3.458	3.458	0.000	536709	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

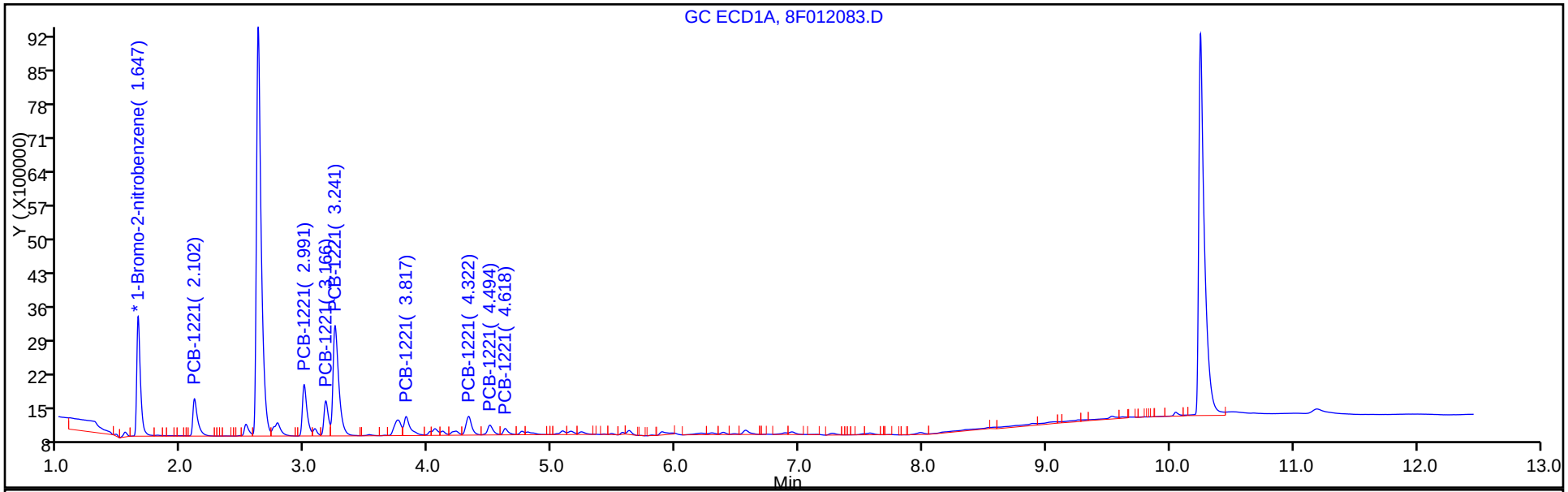
SG1221L3_00025	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

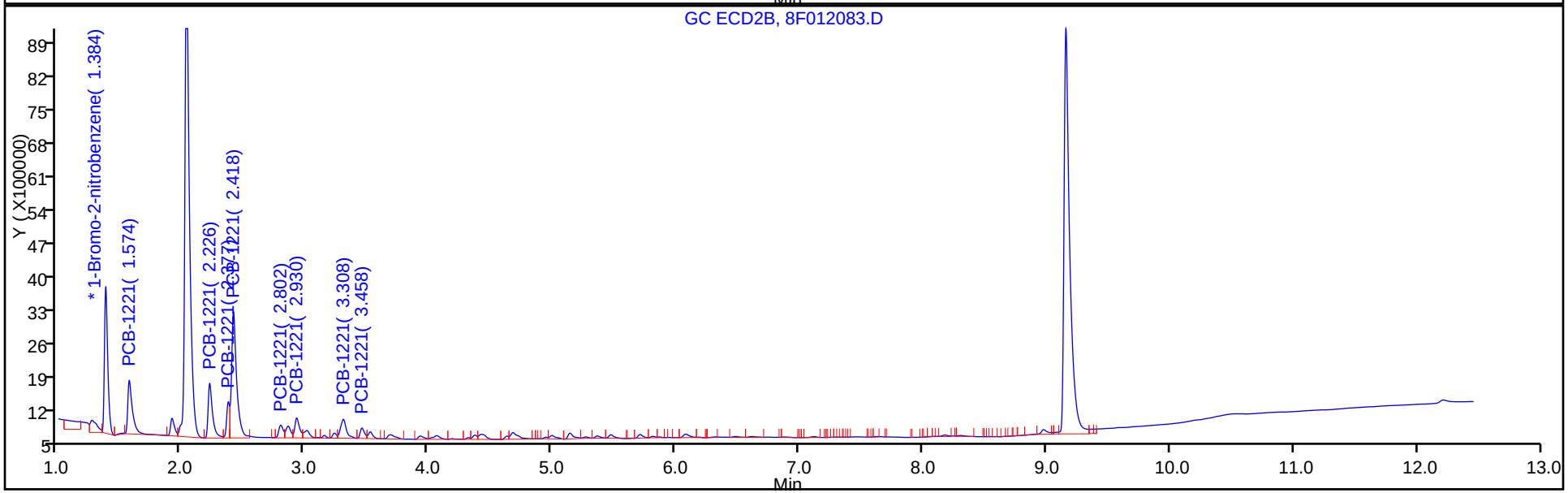
Report Date: 16-Jun-2016 12:19:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012083.D

Injection Date:	14-Jun-2016 11:36:36	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 16-Jun-2016 12:19:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012083.D

Injection Date: 14-Jun-2016 11:36:36 Instrument ID: CPESTGC8

Lims ID: IC 1221

Client ID:

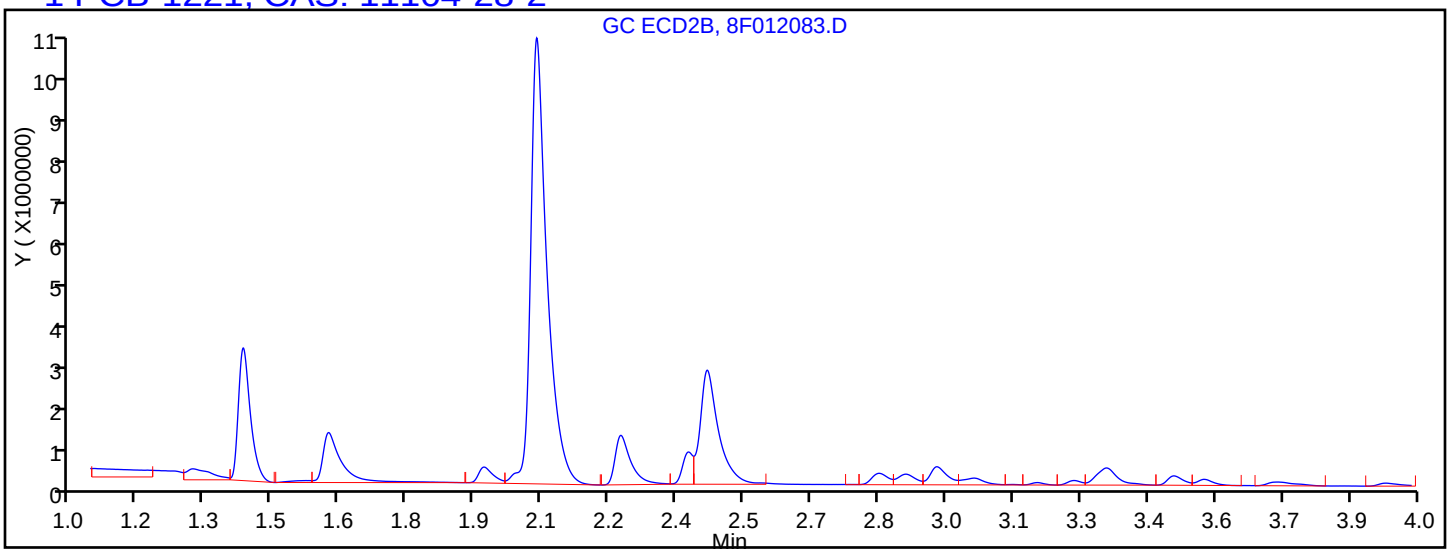
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

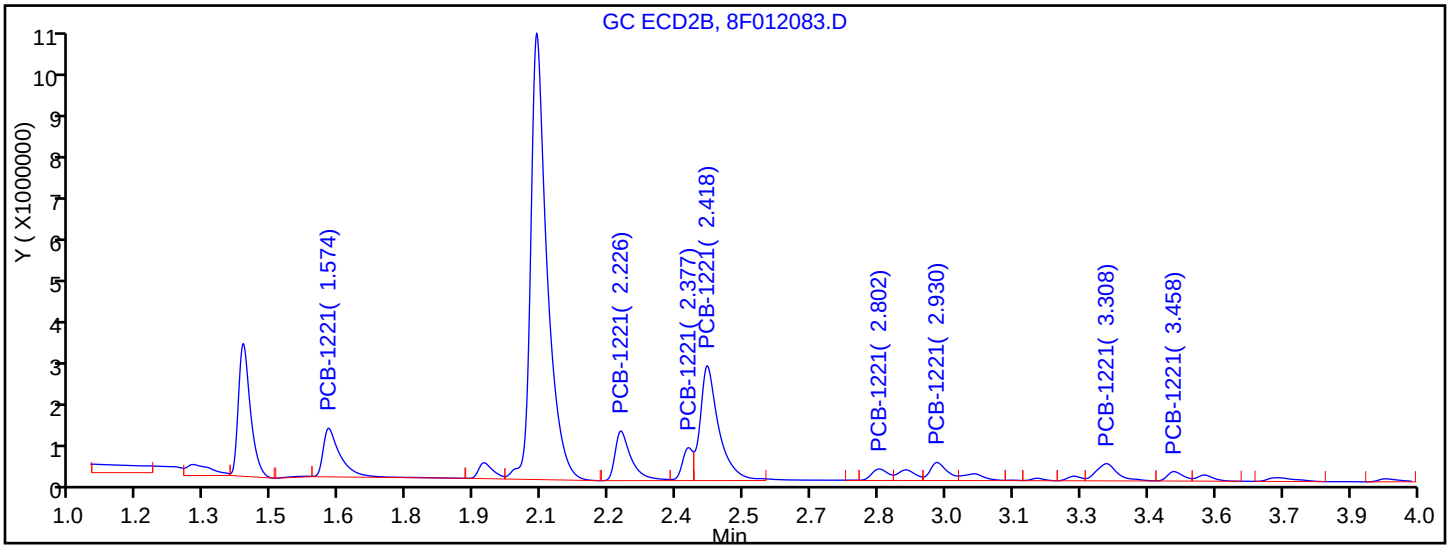
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD2B

1 PCB-1221, CAS: 11104-28-2



Processing Integration Results



Manual Integration Results

RT = 1.574	Response = 2964367	M
RT = 2.226	Response = 2862753	M
RT = 2.377	Response = 1213701	M
RT = 2.418	Response = 7635337	M
RT = 2.802	Response = 670741	M
RT = 2.930	Response = 1108280	M
RT = 3.308	Response = 1312842	M
RT = 3.458	Response = 536709	M

Reviewer: patelji, 15-Jun-2016 10:54:20

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 11:52 Calibration End Date: 06/14/2016 11:52 Calibration ID: 56237

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/9	8F012084.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0286					Ave		0.0286						20.0			0.9900
PCB-1232 Peak 2	0.0275					Ave		0.0275						20.0			0.9900
PCB-1232 Peak 3	0.0123					Ave		0.0123						20.0			0.9900
PCB-1232 Peak 4	0.0420					Ave		0.0420						20.0			0.9900
PCB-1232 Peak 5	0.0187					Ave		0.0187						20.0			0.9900
PCB-1232 Peak 6	0.0123					Ave		0.0123						20.0			0.9900
PCB-1232 Peak 7	0.0102					Ave		0.0102						20.0			0.9900
PCB-1232 Peak 8	0.0156					Ave		0.0156						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 11:52 Calibration End Date: 06/14/2016 11:52 Calibration ID: 56237

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/9	8F012084.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	6622242					1000				
PCB-1232 Peak 2	BNB	Ave	6351661					1000				
PCB-1232 Peak 3	BNB	Ave	2848568					1000				
PCB-1232 Peak 4	BNB	Ave	9711240					1000				
PCB-1232 Peak 5	BNB	Ave	4334341					1000				
PCB-1232 Peak 6	BNB	Ave	2847703					1000				
PCB-1232 Peak 7	BNB	Ave	2348219					1000				
PCB-1232 Peak 8	BNB	Ave	3600892					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012084.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 11:52:33 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-009
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub3

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:03 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:56:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.646	1.646	0.000	4625317	20.0	20.0	
2	1.384	1.384	0.000	5623675	20.0	20.0	
						RPD = 0.00	
3 PCB-1232							M
1	3.241	3.241	0.000	6622242	1000.0	1000.0	M
1	3.756	3.756	0.000	6351661	1000.0	1000.0	M
1	4.049	4.049	0.000	2848568	1000.0	1000.0	M
1	4.323	4.323	0.000	9711240	1000.0	1000.0	M
1	4.494	4.494	0.000	4334341	1000.0	1000.0	M
1	5.085	5.085	0.000	2847703	1000.0	1000.0	M
1	5.571	5.571	0.000	2348219	1000.0	1000.0	M
1	5.626	5.626	0.000	3600892	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.418	2.418	0.000	6579888	1000.0	1000.0	M
2	2.799	2.799	0.000	5342281	1000.0	1000.0	M
2	3.013	3.013	0.000	3383808	1000.0	1000.0	M
2	3.308	3.308	0.000	10243372	1000.0	1000.0	M
2	3.459	3.459	0.000	3877586	1000.0	1000.0	M
2	3.932	3.932	0.000	4017700	1000.0	1000.0	M
2	4.446	4.446	0.000	6535895	1000.0	1000.0	M
2	4.678	4.678	0.000	3353187	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

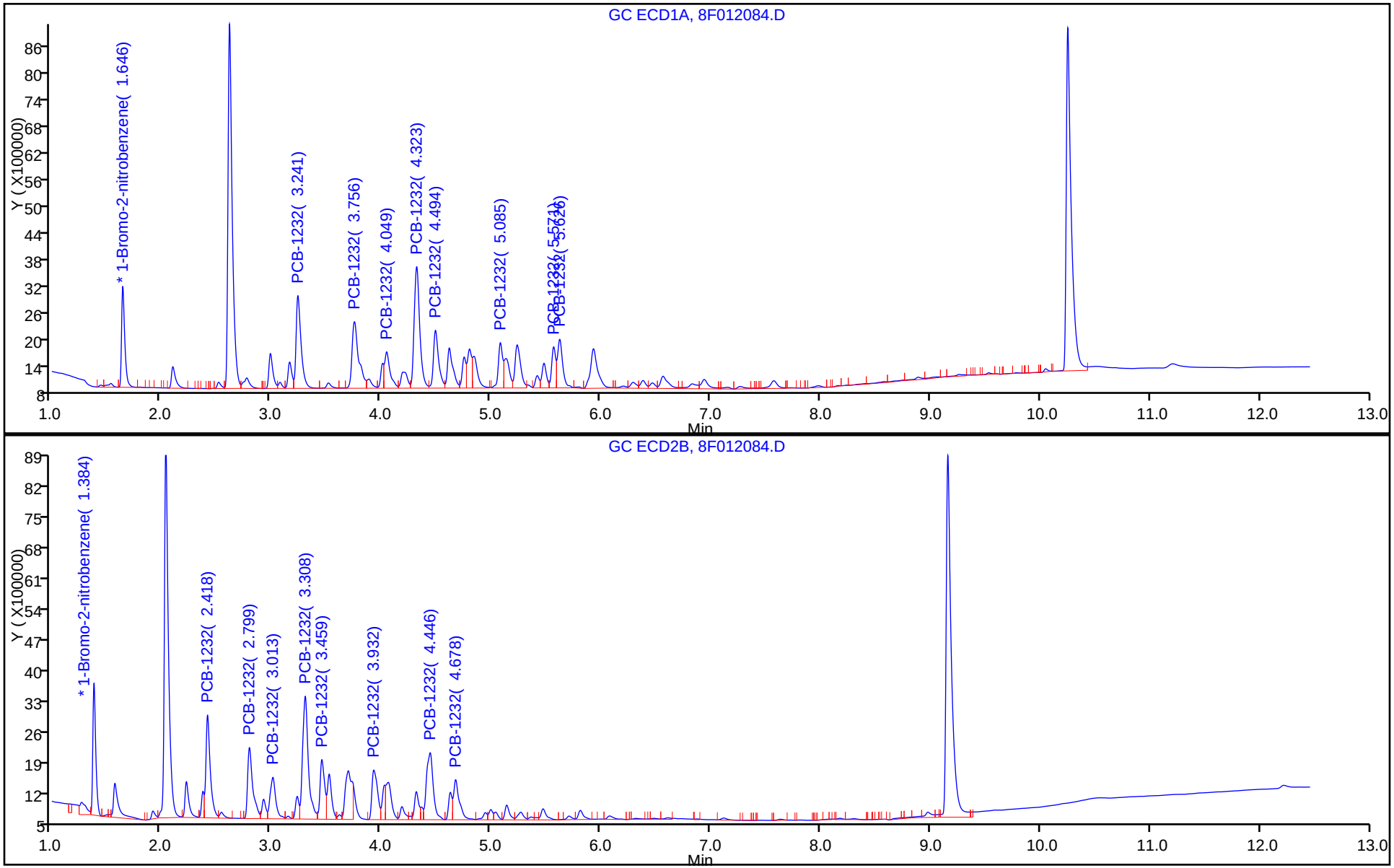
SG1232L3_00024	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:19:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012084.D

Injection Date:	14-Jun-2016 11:52:33	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 16-Jun-2016 12:19:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012084.D

Injection Date: 14-Jun-2016 11:52:33 Instrument ID: CPESTGC8

Lims ID: IC 1232

Client ID:

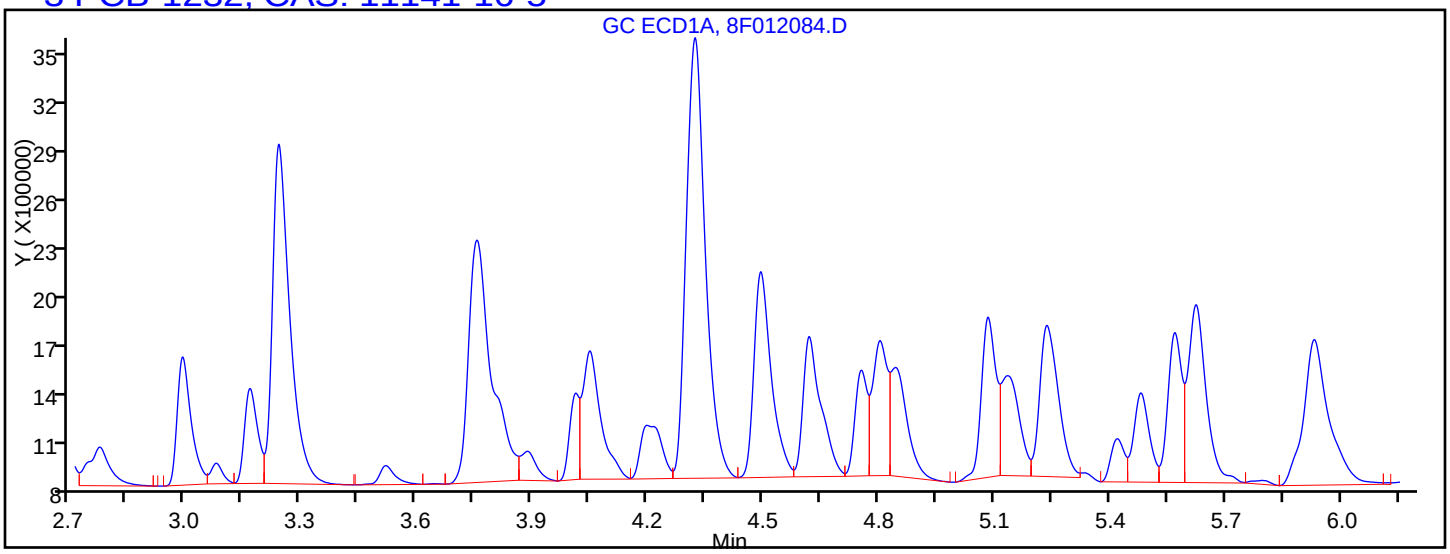
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

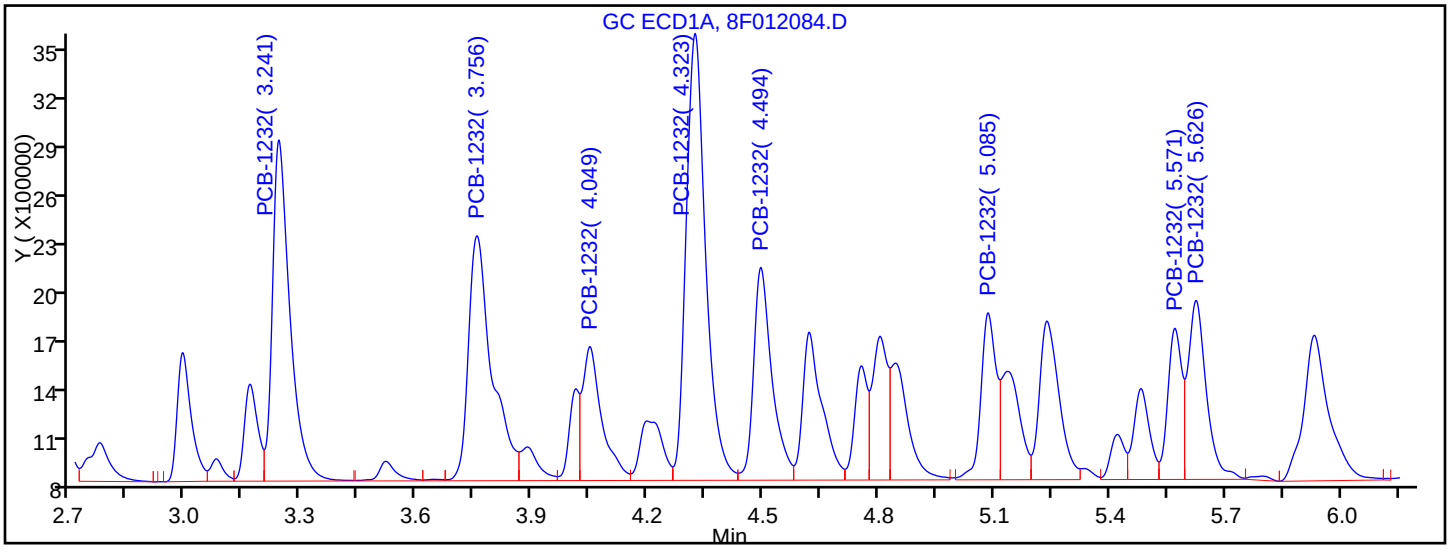
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

3 PCB-1232, CAS: 11141-16-5



Processing Integration Results



Manual Integration Results

RT = 3.241	Response = 6622242	M
RT = 3.756	Response = 6351661	M
RT = 4.049	Response = 2848568	M
RT = 4.323	Response = 9711240	M
RT = 4.494	Response = 4334341	M
RT = 5.085	Response = 2847703	M
RT = 5.571	Response = 2348219	M
RT = 5.626	Response = 3600892	M

Reviewer: patelji, 15-Jun-2016 10:56:11

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 11:52 Calibration End Date: 06/14/2016 11:52 Calibration ID: 56238

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/9	8F012084.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0234					Ave		0.0234						20.0			0.9900
PCB-1232 Peak 2	0.0190					Ave		0.0190						20.0			0.9900
PCB-1232 Peak 3	0.0120					Ave		0.0120						20.0			0.9900
PCB-1232 Peak 4	0.0364					Ave		0.0364						20.0			0.9900
PCB-1232 Peak 5	0.0138					Ave		0.0138						20.0			0.9900
PCB-1232 Peak 6	0.0143					Ave		0.0143						20.0			0.9900
PCB-1232 Peak 7	0.0232					Ave		0.0232						20.0			0.9900
PCB-1232 Peak 8	0.0119					Ave		0.0119						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 11:52 Calibration End Date: 06/14/2016 11:52 Calibration ID: 56238

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/9	8F012084.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	6579888					1000				
PCB-1232 Peak 2	BNB	Ave	5342281					1000				
PCB-1232 Peak 3	BNB	Ave	3383808					1000				
PCB-1232 Peak 4	BNB	Ave	10243372					1000				
PCB-1232 Peak 5	BNB	Ave	3877586					1000				
PCB-1232 Peak 6	BNB	Ave	4017700					1000				
PCB-1232 Peak 7	BNB	Ave	6535895					1000				
PCB-1232 Peak 8	BNB	Ave	3353187					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012084.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 11:52:33 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-009
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub3

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:03 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:56:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.646	1.646	0.000	4625317	20.0	20.0	
2	1.384	1.384	0.000	5623675	20.0	20.0	
						RPD = 0.00	
3 PCB-1232							M
1	3.241	3.241	0.000	6622242	1000.0	1000.0	M
1	3.756	3.756	0.000	6351661	1000.0	1000.0	M
1	4.049	4.049	0.000	2848568	1000.0	1000.0	M
1	4.323	4.323	0.000	9711240	1000.0	1000.0	M
1	4.494	4.494	0.000	4334341	1000.0	1000.0	M
1	5.085	5.085	0.000	2847703	1000.0	1000.0	M
1	5.571	5.571	0.000	2348219	1000.0	1000.0	M
1	5.626	5.626	0.000	3600892	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.418	2.418	0.000	6579888	1000.0	1000.0	M
2	2.799	2.799	0.000	5342281	1000.0	1000.0	M
2	3.013	3.013	0.000	3383808	1000.0	1000.0	M
2	3.308	3.308	0.000	10243372	1000.0	1000.0	M
2	3.459	3.459	0.000	3877586	1000.0	1000.0	M
2	3.932	3.932	0.000	4017700	1000.0	1000.0	M
2	4.446	4.446	0.000	6535895	1000.0	1000.0	M
2	4.678	4.678	0.000	3353187	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

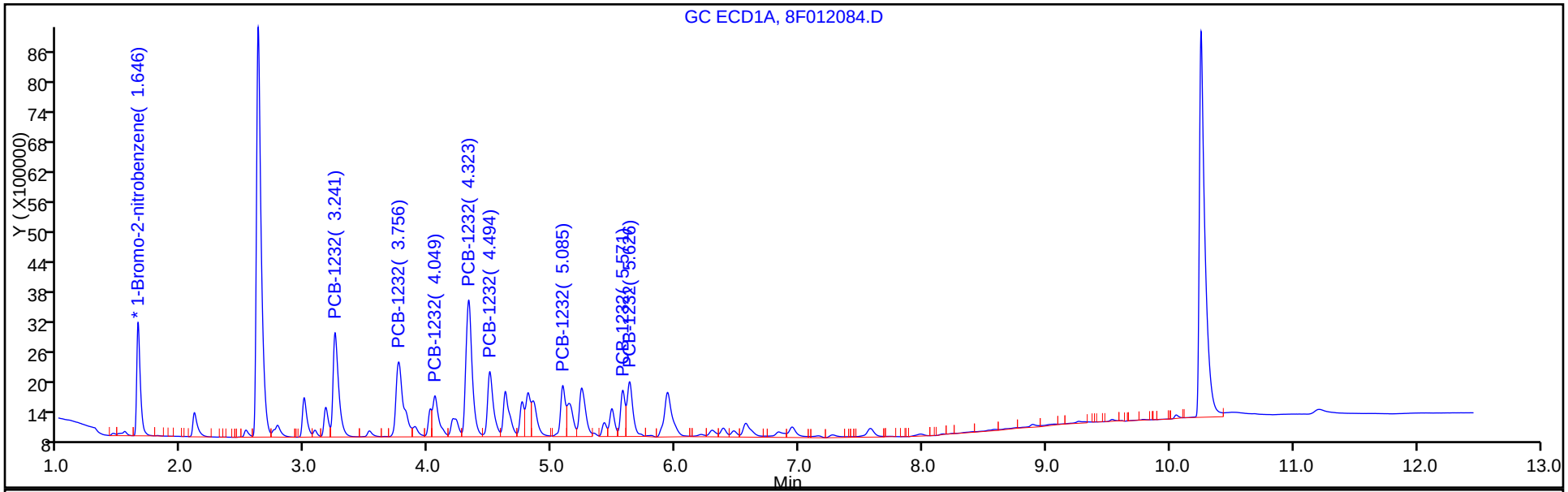
SG1232L3_00024	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

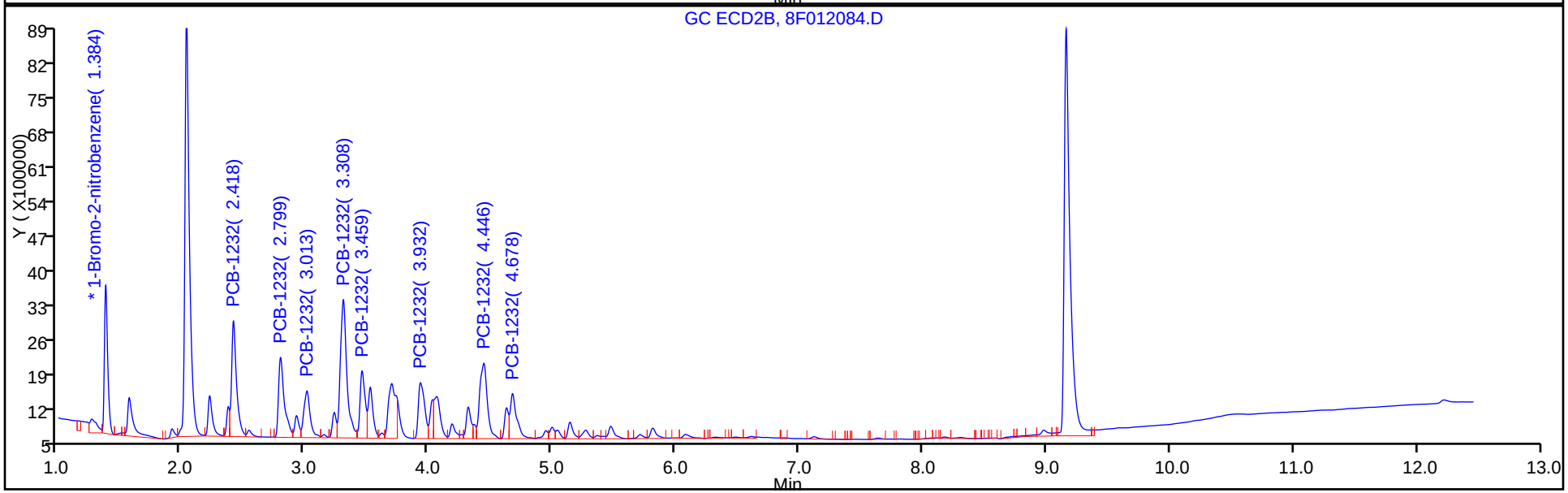
Report Date: 16-Jun-2016 12:19:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012084.D

Injection Date:	14-Jun-2016 11:52:33	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 16-Jun-2016 12:19:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012084.D

Injection Date: 14-Jun-2016 11:52:33 Instrument ID: CPESTGC8

Lims ID: IC 1232

Client ID:

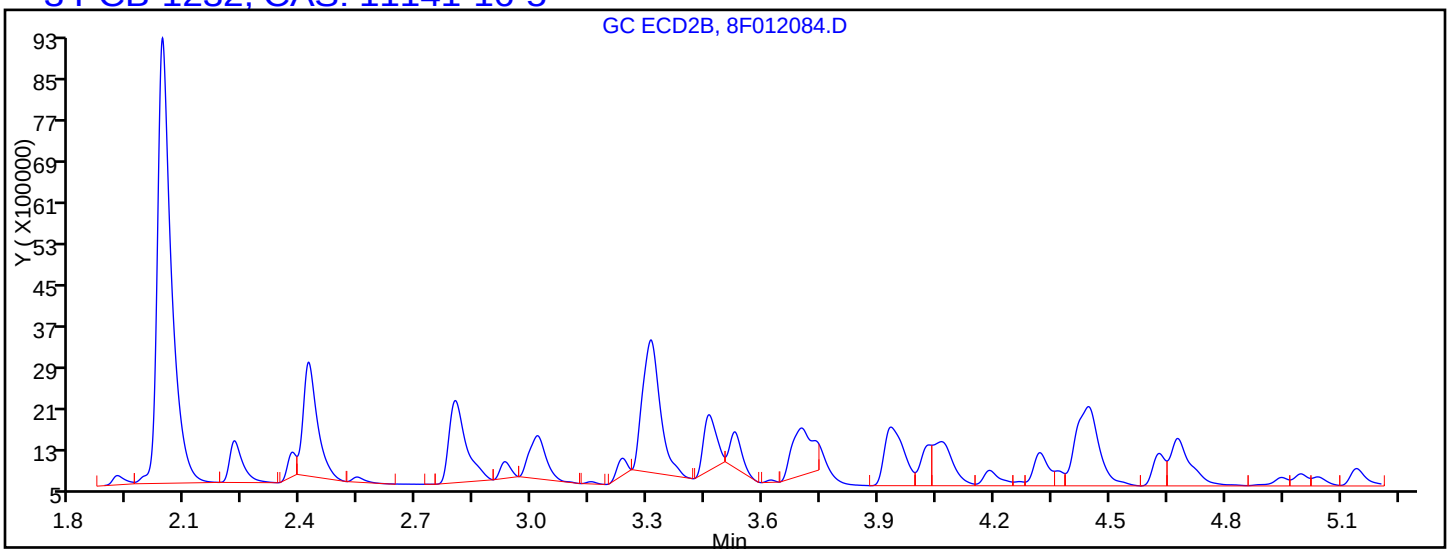
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

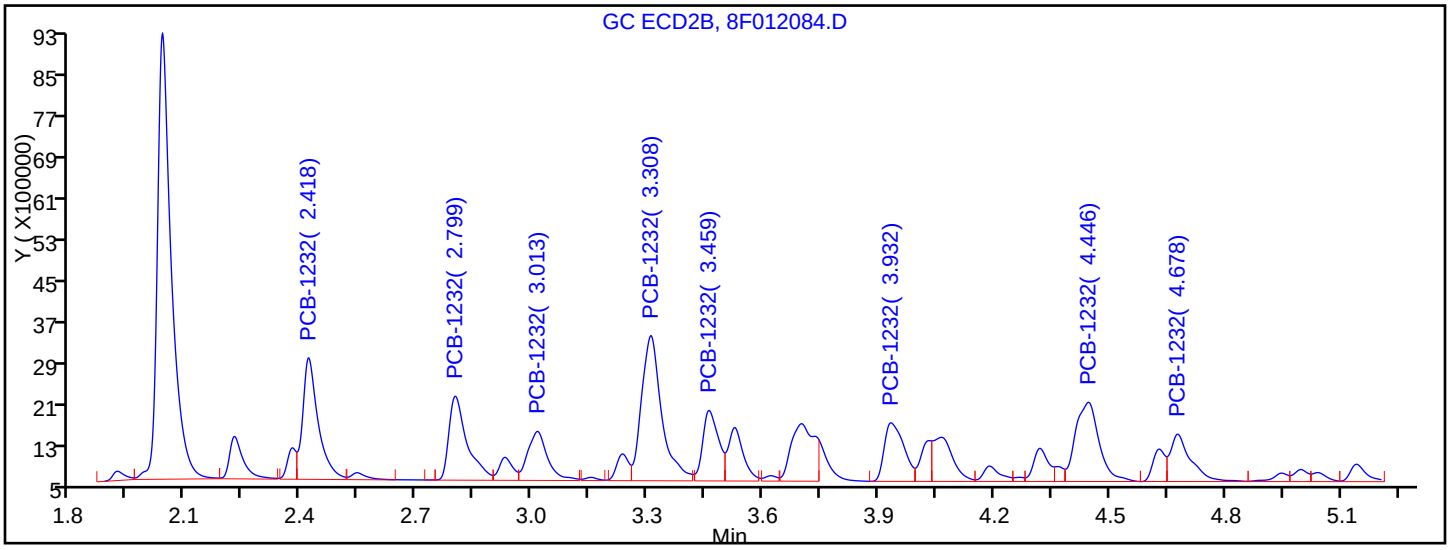
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD2B

3 PCB-1232, CAS: 11141-16-5



Processing Integration Results



Manual Integration Results

RT = 2.418	Response = 6579888	M
RT = 2.799	Response = 5342281	M
RT = 3.013	Response = 3383808	M
RT = 3.308	Response = 10243372	M
RT = 3.459	Response = 3877586	M
RT = 3.932	Response = 4017700	M
RT = 4.446	Response = 6535895	M
RT = 4.678	Response = 3353187	M

Reviewer: patelji, 15-Jun-2016 10:56:11

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:08 Calibration End Date: 06/14/2016 12:08 Calibration ID: 56243

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/10	8F012085.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0192					Ave		0.0192						20.0			0.9900
PCB-1242 Peak 2	0.0390					Ave		0.0390						20.0			0.9900
PCB-1242 Peak 3	0.0194					Ave		0.0194						20.0			0.9900
PCB-1242 Peak 4	0.0709					Ave		0.0709						20.0			0.9900
PCB-1242 Peak 5	0.0312					Ave		0.0312						20.0			0.9900
PCB-1242 Peak 6	0.0298					Ave		0.0298						20.0			0.9900
PCB-1242 Peak 7	0.0198					Ave		0.0198						20.0			0.9900
PCB-1242 Peak 8	0.0324					Ave		0.0324						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:08 Calibration End Date: 06/14/2016 12:08 Calibration ID: 56243

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/10	8F012085.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	4964066					1000				
PCB-1242 Peak 2	BNB	Ave	10113394					1000				
PCB-1242 Peak 3	BNB	Ave	5034893					1000				
PCB-1242 Peak 4	BNB	Ave	18366317					1000				
PCB-1242 Peak 5	BNB	Ave	8092096					1000				
PCB-1242 Peak 6	BNB	Ave	7709149					1000				
PCB-1242 Peak 7	BNB	Ave	5125365					1000				
PCB-1242 Peak 8	BNB	Ave	8401835					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012085.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 12:08:28 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-010
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub4

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:13 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:57:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.648	1.648	0.000	5182490	20.0	20.0	
2	1.385	1.385	0.000	7051367	20.0	20.0	
						RPD = 0.00	
4 PCB-1242							M
1	3.241	3.241	0.000	4964066	1000.0	1000.0	a
1	3.757	3.757	0.000	10113394	1000.0	1000.0	a
1	4.050	4.050	0.000	5034893	1000.0	1000.0	a
1	4.323	4.323	0.000	18366317	1000.0	1000.0	a
1	4.494	4.494	0.000	8092096	1000.0	1000.0	a
1	5.238	5.238	0.000	7709149	1000.0	1000.0	a
1	5.571	5.571	0.000	5125365	1000.0	1000.0	a
1	5.626	5.626	0.000	8401835	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	2.419	2.419	0.000	5030545	1000.0	1000.0	M
2	2.800	2.800	0.000	9572689	1000.0	1000.0	M
2	3.014	3.014	0.000	6412288	1000.0	1000.0	M
2	3.308	3.308	0.000	19908727	1000.0	1000.0	M
2	3.460	3.460	0.000	7535118	1000.0	1000.0	M
2	3.933	3.933	0.000	8590104	1000.0	1000.0	M
2	4.445	4.445	0.000	14460990	1000.0	1000.0	M
2	4.678	4.678	0.000	8034774	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

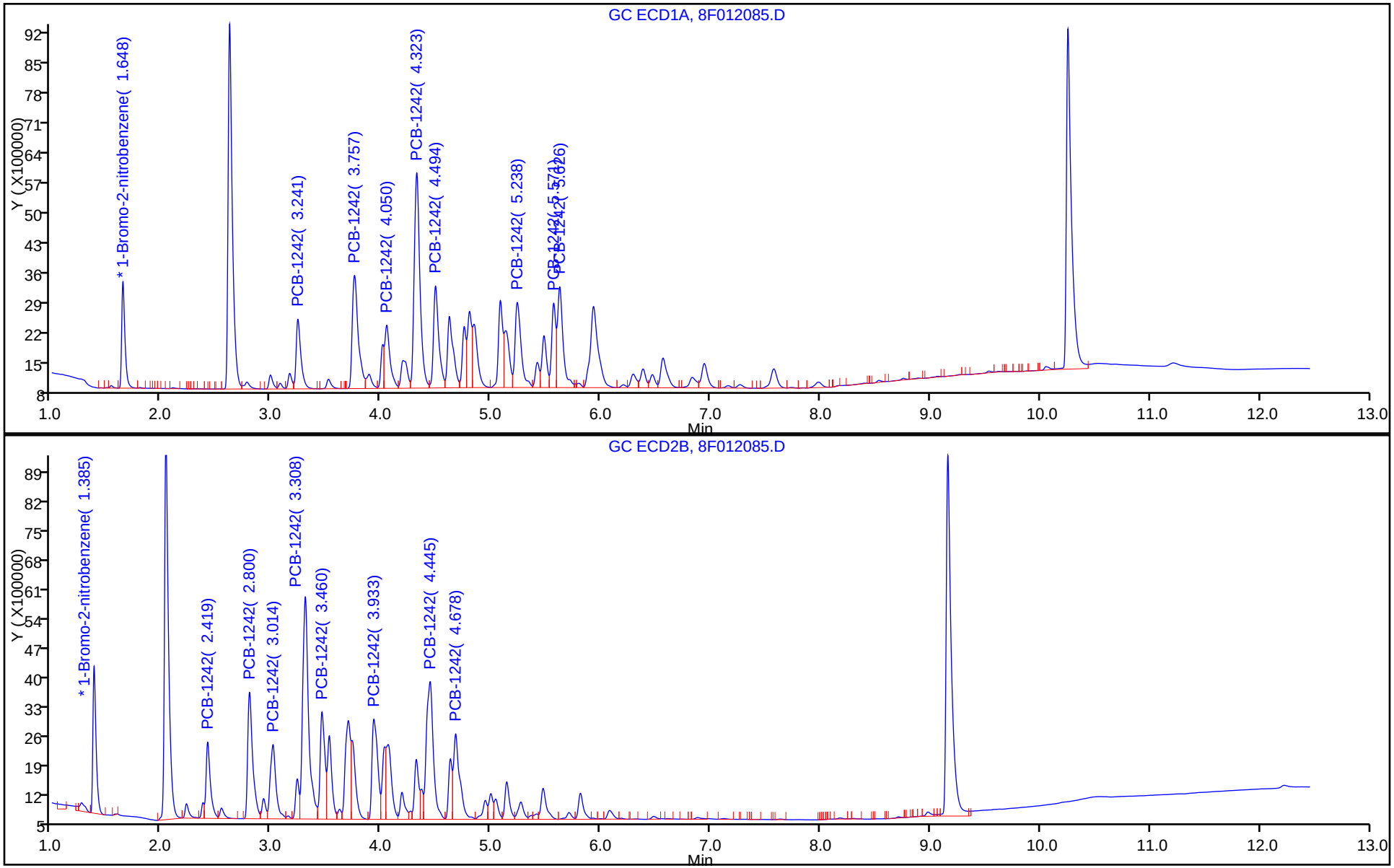
SG1242L3_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:19:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012085.D

Injection Date:	14-Jun-2016 12:08:28	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:08 Calibration End Date: 06/14/2016 12:08 Calibration ID: 56244

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/10	8F012085.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0143					Ave		0.0143						20.0			0.9900
PCB-1242 Peak 2	0.0272					Ave		0.0272						20.0			0.9900
PCB-1242 Peak 3	0.0182					Ave		0.0182						20.0			0.9900
PCB-1242 Peak 4	0.0565					Ave		0.0565						20.0			0.9900
PCB-1242 Peak 5	0.0214					Ave		0.0214						20.0			0.9900
PCB-1242 Peak 6	0.0244					Ave		0.0244						20.0			0.9900
PCB-1242 Peak 7	0.0410					Ave		0.0410						20.0			0.9900
PCB-1242 Peak 8	0.0228					Ave		0.0228						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:08 Calibration End Date: 06/14/2016 12:08 Calibration ID: 56244

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/10	8F012085.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	5030545					1000				
PCB-1242 Peak 2	BNB	Ave	9572689					1000				
PCB-1242 Peak 3	BNB	Ave	6412288					1000				
PCB-1242 Peak 4	BNB	Ave	19908727					1000				
PCB-1242 Peak 5	BNB	Ave	7535118					1000				
PCB-1242 Peak 6	BNB	Ave	8590104					1000				
PCB-1242 Peak 7	BNB	Ave	14460990					1000				
PCB-1242 Peak 8	BNB	Ave	8034774					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012085.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 12:08:28 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-010
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub4

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:13 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:57:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.648	1.648	0.000	5182490	20.0	20.0	
2	1.385	1.385	0.000	7051367	20.0	20.0	
						RPD = 0.00	
4 PCB-1242							M
1	3.241	3.241	0.000	4964066	1000.0	1000.0	a
1	3.757	3.757	0.000	10113394	1000.0	1000.0	a
1	4.050	4.050	0.000	5034893	1000.0	1000.0	a
1	4.323	4.323	0.000	18366317	1000.0	1000.0	a
1	4.494	4.494	0.000	8092096	1000.0	1000.0	a
1	5.238	5.238	0.000	7709149	1000.0	1000.0	a
1	5.571	5.571	0.000	5125365	1000.0	1000.0	a
1	5.626	5.626	0.000	8401835	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	2.419	2.419	0.000	5030545	1000.0	1000.0	M
2	2.800	2.800	0.000	9572689	1000.0	1000.0	M
2	3.014	3.014	0.000	6412288	1000.0	1000.0	M
2	3.308	3.308	0.000	19908727	1000.0	1000.0	M
2	3.460	3.460	0.000	7535118	1000.0	1000.0	M
2	3.933	3.933	0.000	8590104	1000.0	1000.0	M
2	4.445	4.445	0.000	14460990	1000.0	1000.0	M
2	4.678	4.678	0.000	8034774	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

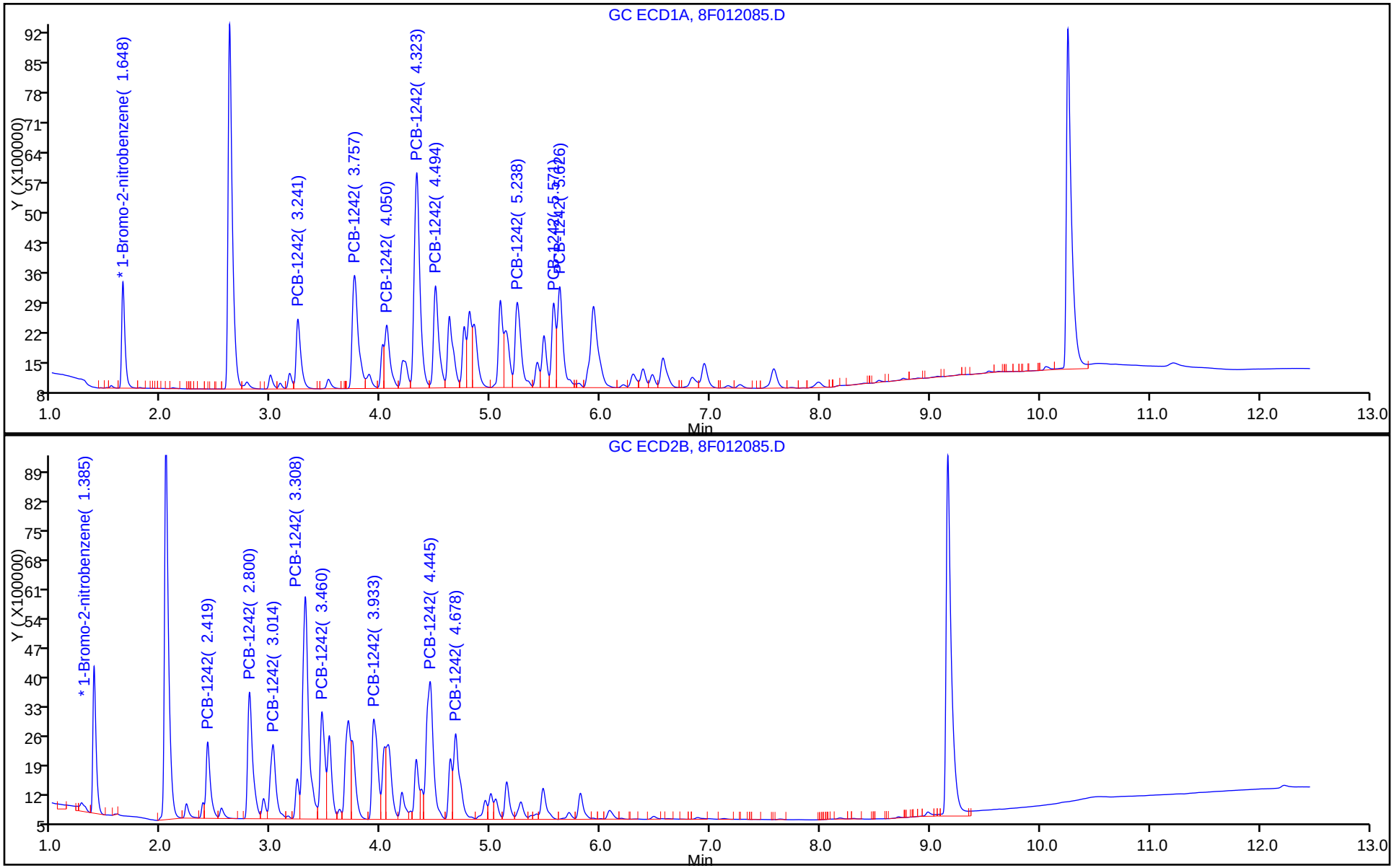
SG1242L3_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:19:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012085.D

Injection Date:	14-Jun-2016 12:08:28	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 16-Jun-2016 12:19:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012085.D

Injection Date: 14-Jun-2016 12:08:28 Instrument ID: CPESTGC8

Lims ID: IC 1242

Client ID:

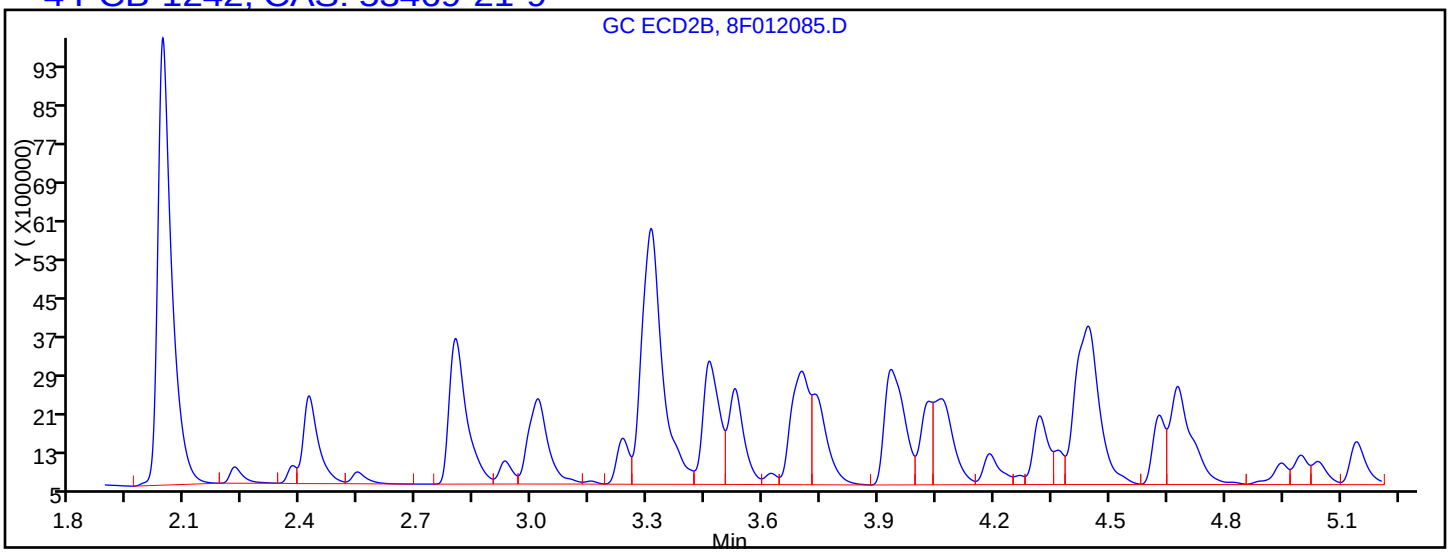
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

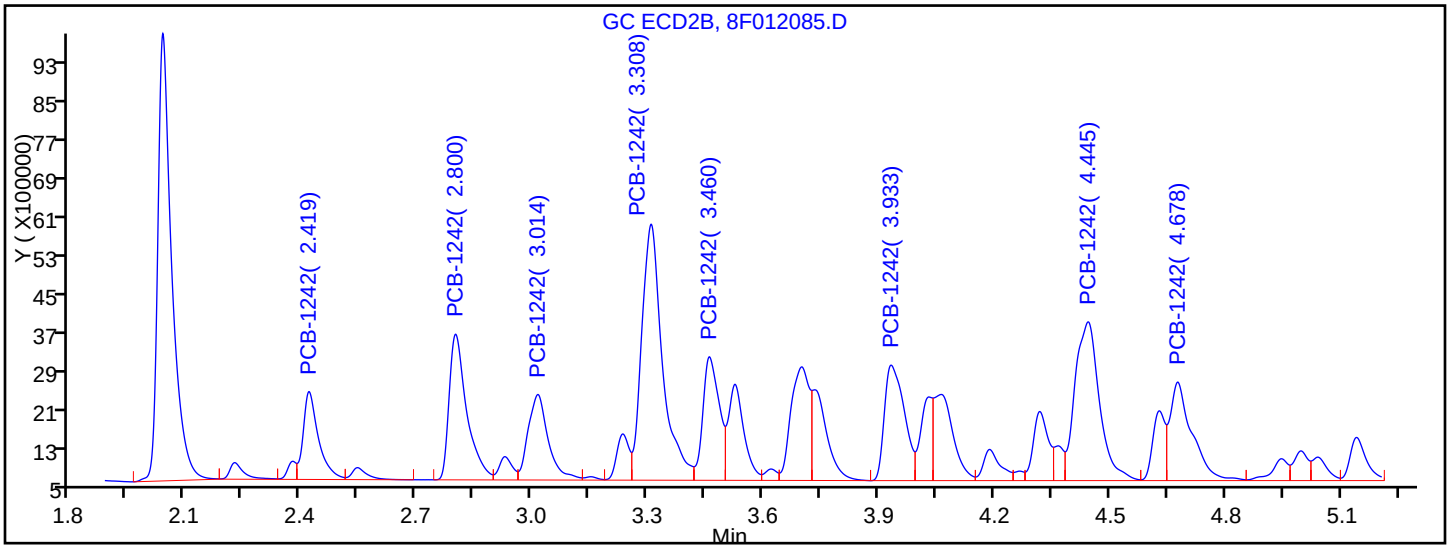
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD2B

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results



Manual Integration Results

RT = 2.419	Response = 5030545	M
RT = 2.800	Response = 9572689	M
RT = 3.014	Response = 6412288	M
RT = 3.308	Response = 19908727	M
RT = 3.460	Response = 7535118	M
RT = 3.933	Response = 8590104	M
RT = 4.445	Response = 14460990	M
RT = 4.678	Response = 8034774	M

Reviewer: patelji, 15-Jun-2016 10:57:50

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:24 Calibration End Date: 06/14/2016 12:24 Calibration ID: 56249

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/11	8F012086.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0189					Ave		0.0189						20.0			0.9900
PCB-1248 Peak 2	0.0428					Ave		0.0428						20.0			0.9900
PCB-1248 Peak 3	0.0210					Ave		0.0210						20.0			0.9900
PCB-1248 Peak 4	0.0259					Ave		0.0259						20.0			0.9900
PCB-1248 Peak 5	0.0391					Ave		0.0391						20.0			0.9900
PCB-1248 Peak 6	0.0301					Ave		0.0301						20.0			0.9900
PCB-1248 Peak 7	0.0477					Ave		0.0477						20.0			0.9900
PCB-1248 Peak 8	0.0171					Ave		0.0171						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:24 Calibration End Date: 06/14/2016 12:24 Calibration ID: 56249

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/11	8F012086.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	4997972					1000				
PCB-1248 Peak 2	BNB	Ave	11342236					1000				
PCB-1248 Peak 3	BNB	Ave	5556324					1000				
PCB-1248 Peak 4	BNB	Ave	6858812					1000				
PCB-1248 Peak 5	BNB	Ave	10350107					1000				
PCB-1248 Peak 6	BNB	Ave	7969563					1000				
PCB-1248 Peak 7	BNB	Ave	12627665					1000				
PCB-1248 Peak 8	BNB	Ave	4529999					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012086.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 12:24:22 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-011
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub5

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:20 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:59:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.646	1.646	0.000	5299623	20.0	20.0	
2	1.384	1.384	0.000	6835562	20.0	20.0	
						RPD = 0.00	
6 PCB-1248							M
1	3.754	3.754	0.000	4997972	1000.0	1000.0	M
1	4.322	4.322	0.000	11342236	1000.0	1000.0	M
1	4.755	4.755	0.000	5556324	1000.0	1000.0	M
1	4.804	4.804	0.000	6858812	1000.0	1000.0	M
1	5.239	5.239	0.000	10350107	1000.0	1000.0	M
1	5.571	5.571	0.000	7969563	1000.0	1000.0	M
1	5.625	5.625	0.000	12627665	1000.0	1000.0	M
1	6.942	6.942	0.000	4529999	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.799	2.799	0.000	4752529	1000.0	1000.0	a
2	3.308	3.308	0.000	10967114	1000.0	1000.0	a
2	3.698	3.698	0.000	17608773	1000.0	1000.0	a
2	4.028	4.028	0.000	7008025	1000.0	1000.0	M
2	4.444	4.444	0.000	21327848	1000.0	1000.0	M
2	4.679	4.679	0.000	13646478	1000.0	1000.0	M
2	5.143	5.143	0.000	6505394	1000.0	1000.0	M
2	5.814	5.814	0.000	4630393	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

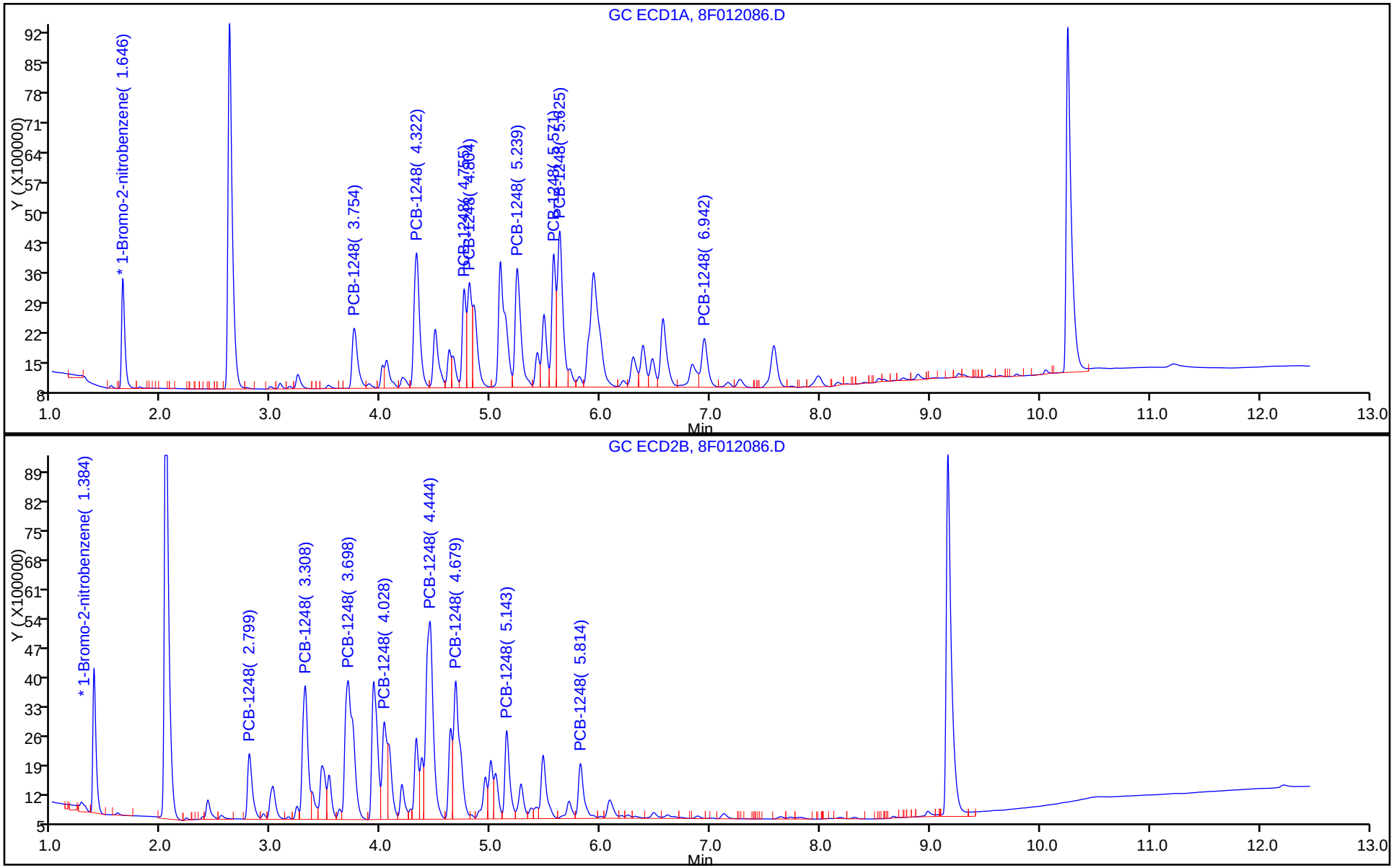
SG1248L3_00025	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:19:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012086.D

Injection Date:	14-Jun-2016 12:24:22	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 16-Jun-2016 12:19:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012086.D

Injection Date: 14-Jun-2016 12:24:22 Instrument ID: CPESTGC8

Lims ID: IC 1248

Client ID:

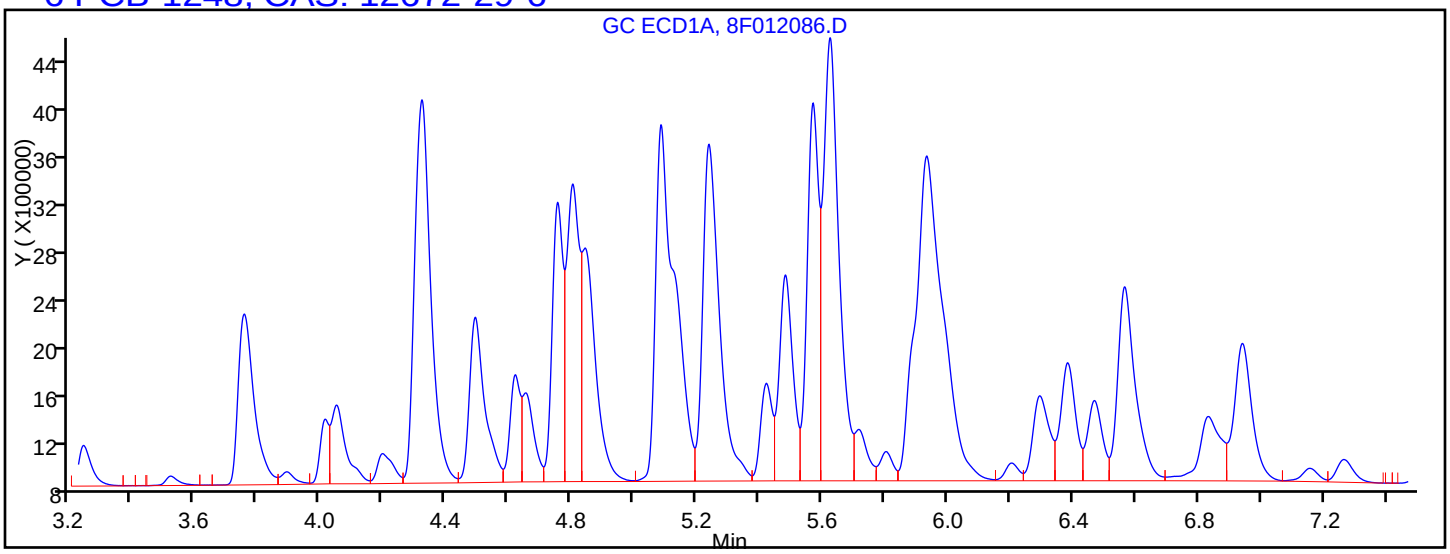
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

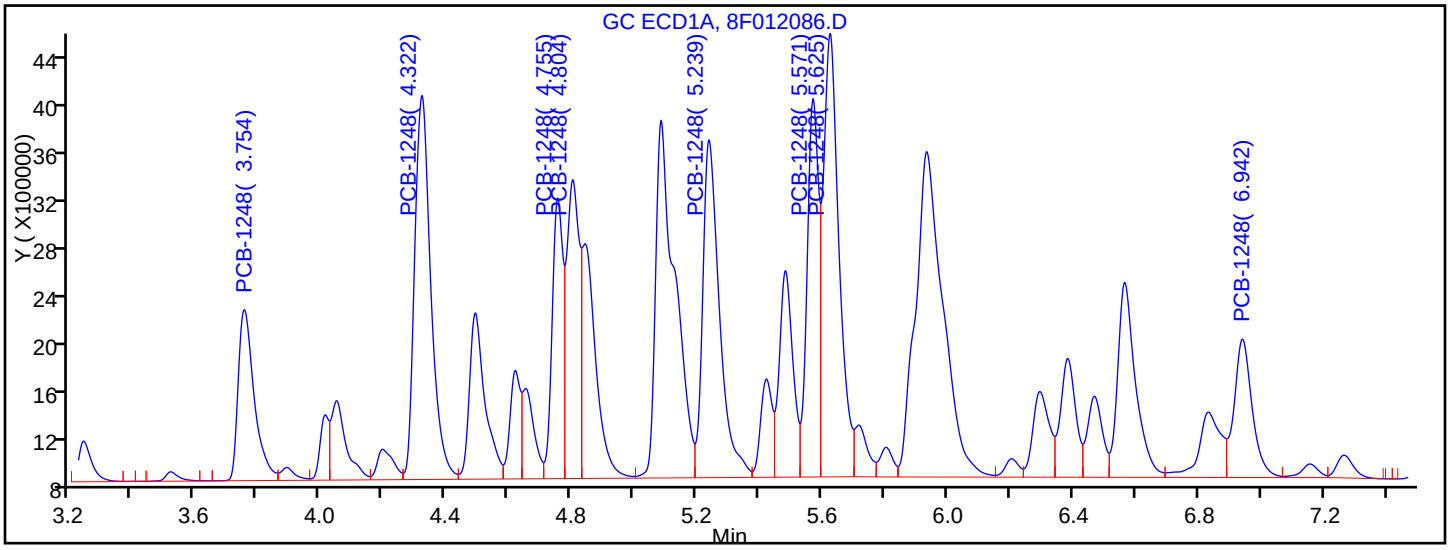
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

6 PCB-1248, CAS: 12672-29-6



Processing Integration Results



Manual Integration Results

RT = 3.754	Response = 4997972	M
RT = 4.322	Response = 11342236	M
RT = 4.755	Response = 5556324	M
RT = 4.804	Response = 6858812	M
RT = 5.239	Response = 10350107	M
RT = 5.571	Response = 7969563	M
RT = 5.625	Response = 12627665	M
RT = 6.942	Response = 4529999	M

Reviewer: patelji, 15-Jun-2016 10:59:45

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:24 Calibration End Date: 06/14/2016 12:24 Calibration ID: 56250

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/11	8F012086.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0139					Ave		0.0139						20.0			0.9900
PCB-1248 Peak 2	0.0321					Ave		0.0321						20.0			0.9900
PCB-1248 Peak 3	0.0515					Ave		0.0515						20.0			0.9900
PCB-1248 Peak 4	0.0205					Ave		0.0205						20.0			0.9900
PCB-1248 Peak 5	0.0624					Ave		0.0624						20.0			0.9900
PCB-1248 Peak 6	0.0399					Ave		0.0399						20.0			0.9900
PCB-1248 Peak 7	0.0190					Ave		0.0190						20.0			0.9900
PCB-1248 Peak 8	0.0135					Ave		0.0135						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:24 Calibration End Date: 06/14/2016 12:24 Calibration ID: 56250

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/11	8F012086.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	4752529					1000				
PCB-1248 Peak 2	BNB	Ave	10967114					1000				
PCB-1248 Peak 3	BNB	Ave	17608773					1000				
PCB-1248 Peak 4	BNB	Ave	7008025					1000				
PCB-1248 Peak 5	BNB	Ave	21327848					1000				
PCB-1248 Peak 6	BNB	Ave	13646478					1000				
PCB-1248 Peak 7	BNB	Ave	6505394					1000				
PCB-1248 Peak 8	BNB	Ave	4630393					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012086.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 12:24:22 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-011
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub5

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:20 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:59:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.646	1.646	0.000	5299623	20.0	20.0	
2	1.384	1.384	0.000	6835562	20.0	20.0	
						RPD = 0.00	
6 PCB-1248							M
1	3.754	3.754	0.000	4997972	1000.0	1000.0	M
1	4.322	4.322	0.000	11342236	1000.0	1000.0	M
1	4.755	4.755	0.000	5556324	1000.0	1000.0	M
1	4.804	4.804	0.000	6858812	1000.0	1000.0	M
1	5.239	5.239	0.000	10350107	1000.0	1000.0	M
1	5.571	5.571	0.000	7969563	1000.0	1000.0	M
1	5.625	5.625	0.000	12627665	1000.0	1000.0	M
1	6.942	6.942	0.000	4529999	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.799	2.799	0.000	4752529	1000.0	1000.0	a
2	3.308	3.308	0.000	10967114	1000.0	1000.0	a
2	3.698	3.698	0.000	17608773	1000.0	1000.0	a
2	4.028	4.028	0.000	7008025	1000.0	1000.0	M
2	4.444	4.444	0.000	21327848	1000.0	1000.0	M
2	4.679	4.679	0.000	13646478	1000.0	1000.0	M
2	5.143	5.143	0.000	6505394	1000.0	1000.0	M
2	5.814	5.814	0.000	4630393	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

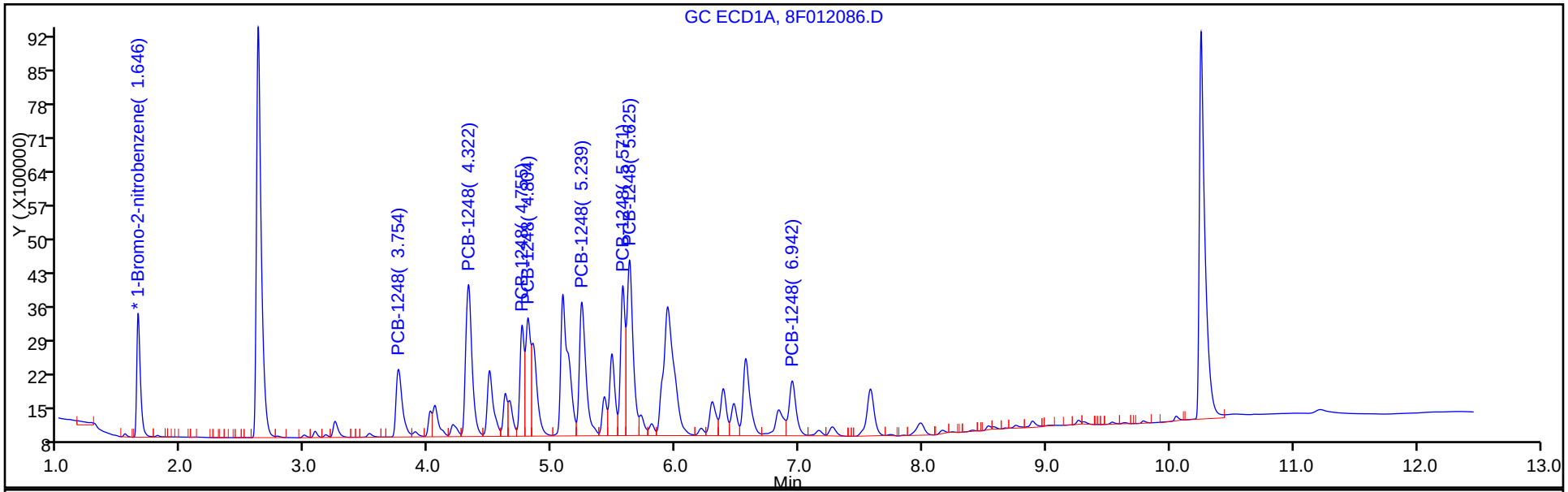
SG1248L3_00025	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

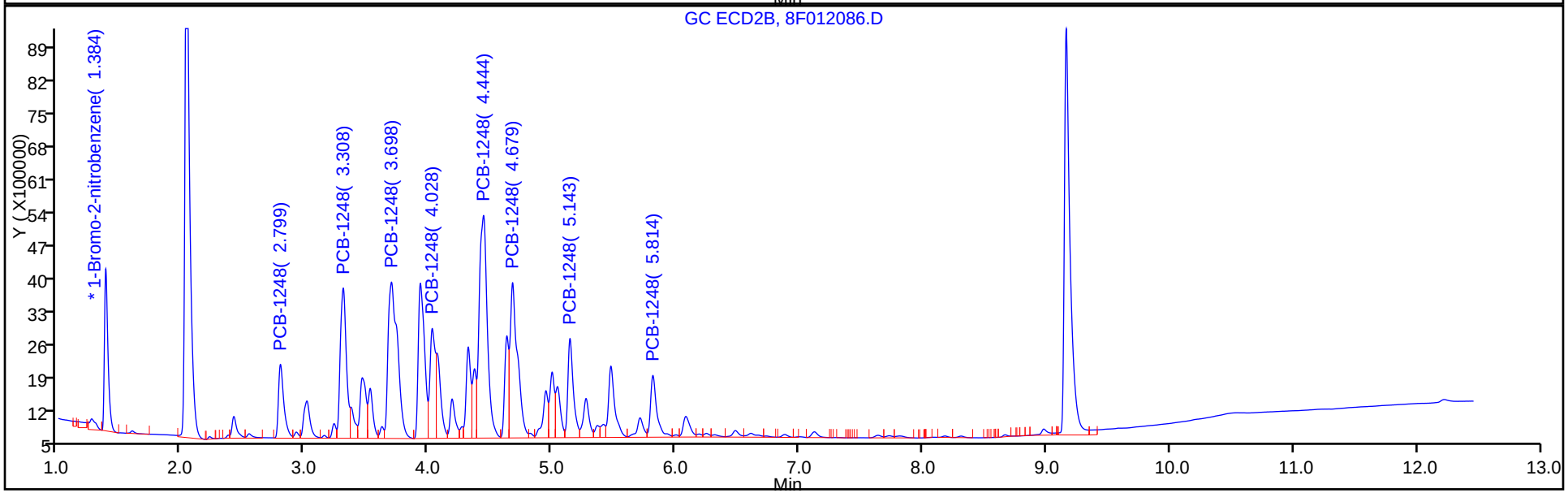
Report Date: 16-Jun-2016 12:19:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012086.D

Injection Date:	14-Jun-2016 12:24:22	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 16-Jun-2016 12:19:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012086.D

Injection Date: 14-Jun-2016 12:24:22 Instrument ID: CPESTGC8

Lims ID: IC 1248

Client ID:

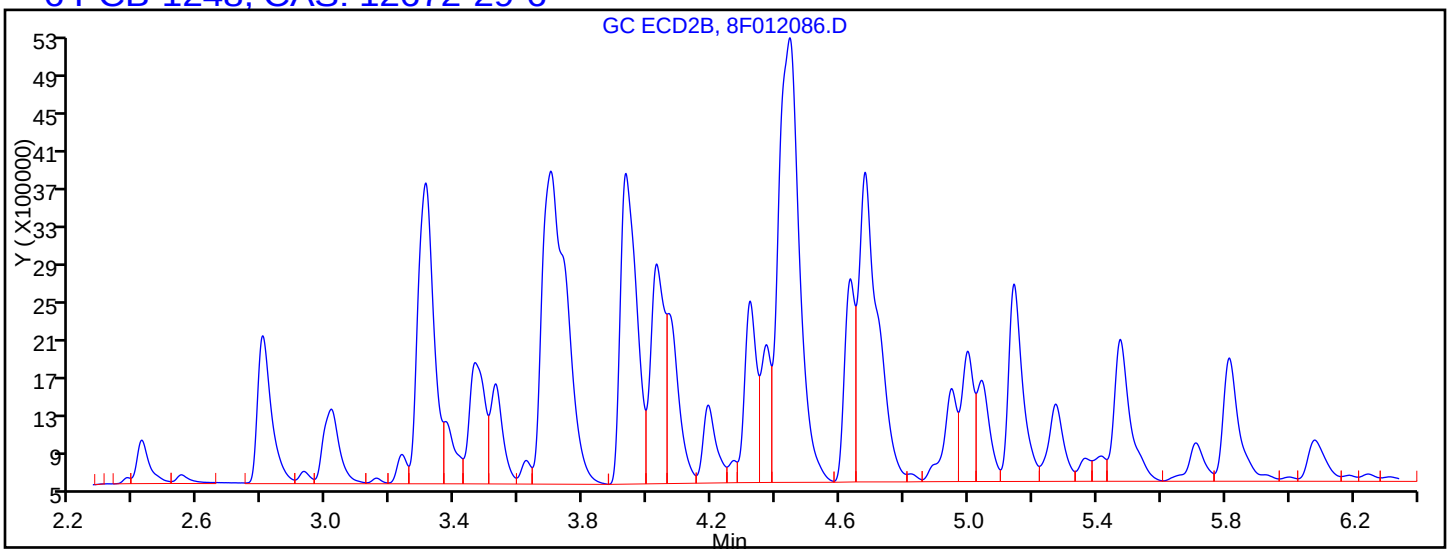
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

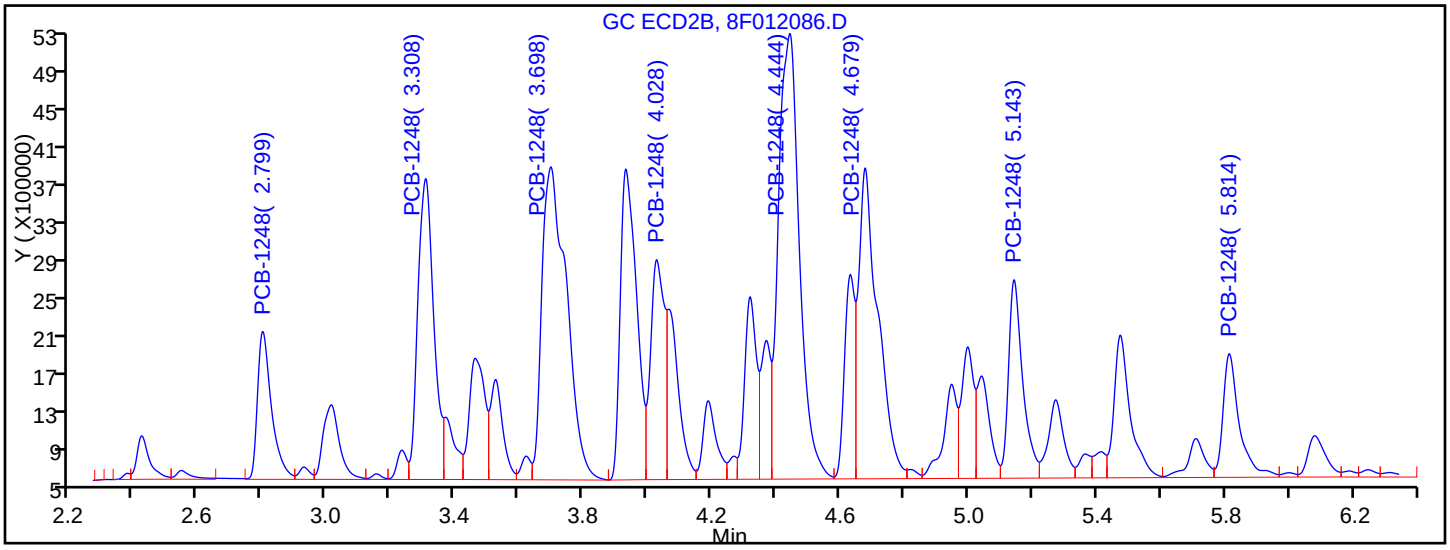
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD2B

6 PCB-1248, CAS: 12672-29-6



Processing Integration Results



Manual Integration Results

RT = 2.799	Response = 4752529	M
RT = 3.308	Response = 10967114	M
RT = 3.698	Response = 17608773	M
RT = 4.028	Response = 7008025	M
RT = 4.444	Response = 21327848	M
RT = 4.679	Response = 13646478	M
RT = 5.143	Response = 6505394	M
RT = 5.814	Response = 4630393	M

Reviewer: patelji, 15-Jun-2016 10:59:45

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:40 Calibration End Date: 06/14/2016 12:40 Calibration ID: 56255

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/12	8F012087.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0167					Ave		0.0167						20.0			0.9900
PCB-1254 Peak 2	0.0488					Ave		0.0488						20.0			0.9900
PCB-1254 Peak 3	0.0508					Ave		0.0508						20.0			0.9900
PCB-1254 Peak 4	0.0401					Ave		0.0401						20.0			0.9900
PCB-1254 Peak 5	0.0847					Ave		0.0847						20.0			0.9900
PCB-1254 Peak 6	0.0703					Ave		0.0703						20.0			0.9900
PCB-1254 Peak 7	0.0682					Ave		0.0682						20.0			0.9900
PCB-1254 Peak 8	0.0818					Ave		0.0818						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:40 Calibration End Date: 06/14/2016 12:40 Calibration ID: 56255

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/12	8F012087.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	4109921					1000				
PCB-1254 Peak 2	BNB	Ave	11987003					1000				
PCB-1254 Peak 3	BNB	Ave	12485442					1000				
PCB-1254 Peak 4	BNB	Ave	9857617					1000				
PCB-1254 Peak 5	BNB	Ave	20807461					1000				
PCB-1254 Peak 6	BNB	Ave	17264770					1000				
PCB-1254 Peak 7	BNB	Ave	16759148					1000				
PCB-1254 Peak 8	BNB	Ave	20085940					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012087.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 12:40:15 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-012
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub6

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:27 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 11:01:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.647	1.647	0.000	4911404	20.0	20.0	
2	1.384	1.384	0.000	6722903	20.0	20.0	
						RPD = 0.00	
7 PCB-1254							M
1	5.086	5.086	0.000	4109921	1000.0	1000.0	a
1	5.622	5.622	0.000	11987003	1000.0	1000.0	a
1	5.889	5.889	0.000	12485442	1000.0	1000.0	a
1	6.385	6.385	0.000	9857617	1000.0	1000.0	a
1	6.566	6.566	0.000	20807461	1000.0	1000.0	a
1	6.942	6.942	0.000	17264770	1000.0	1000.0	a
1	7.574	7.574	0.000	16759148	1000.0	1000.0	M
1	7.982	7.982	0.000	20085940	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	3.930	3.930	0.000	3981549	1000.0	1000.0	a
2	4.374	4.374	0.000	8775681	1000.0	1000.0	a
2	4.682	4.682	0.000	14112266	1000.0	1000.0	M
2	4.998	4.998	0.000	11407005	1000.0	1000.0	M
2	5.143	5.143	0.000	21119400	1000.0	1000.0	a
2	5.474	5.474	0.000	17609016	1000.0	1000.0	a
2	5.711	5.711	0.000	14927657	1000.0	1000.0	a
2	6.081	6.081	0.000	21831120	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

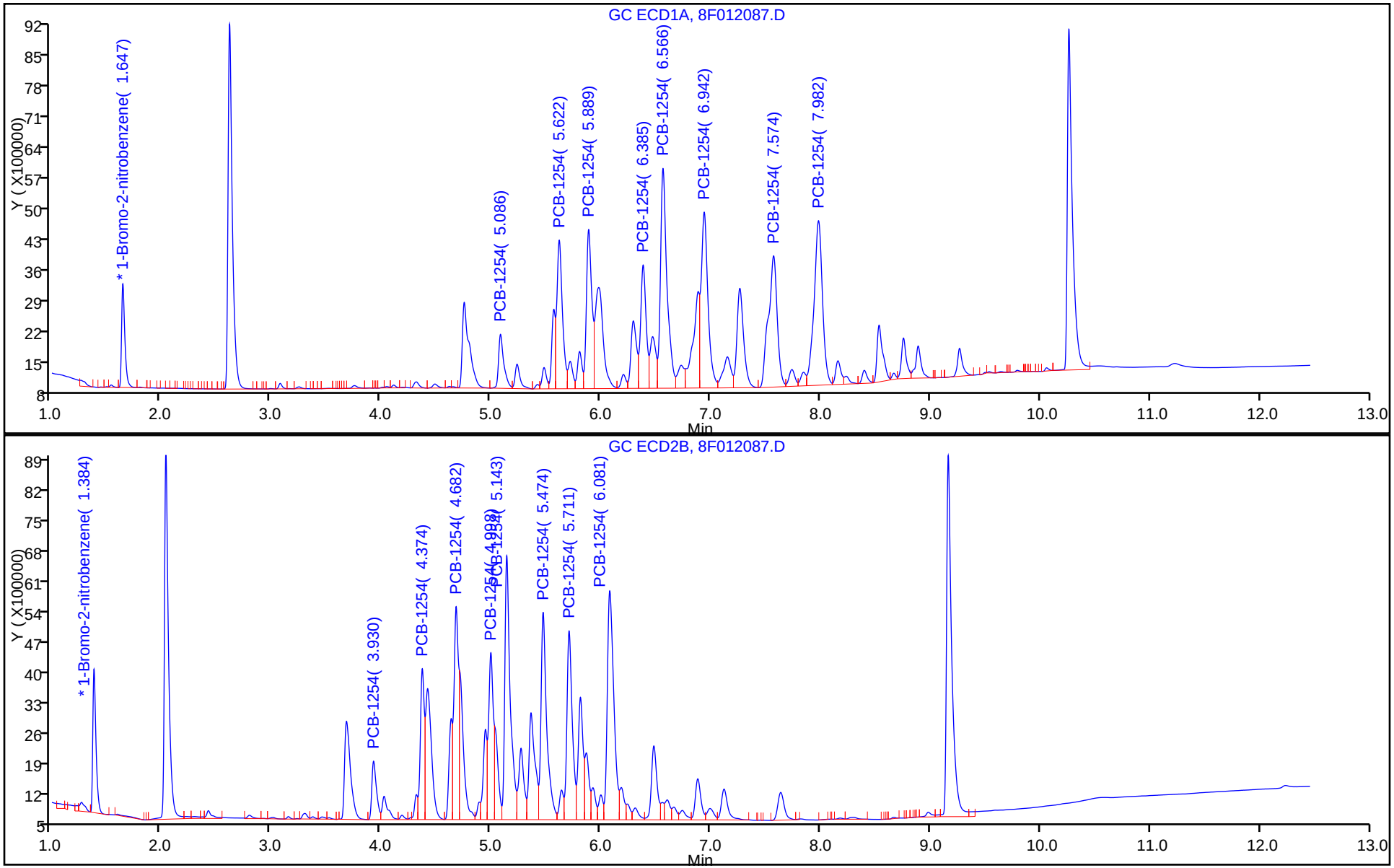
SG1254L3_00027	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:19:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012087.D

Injection Date:	14-Jun-2016 12:40:15	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 16-Jun-2016 12:19:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012087.D

Injection Date: 14-Jun-2016 12:40:15 Instrument ID: CPESTGC8

Lims ID: IC 1254

Client ID:

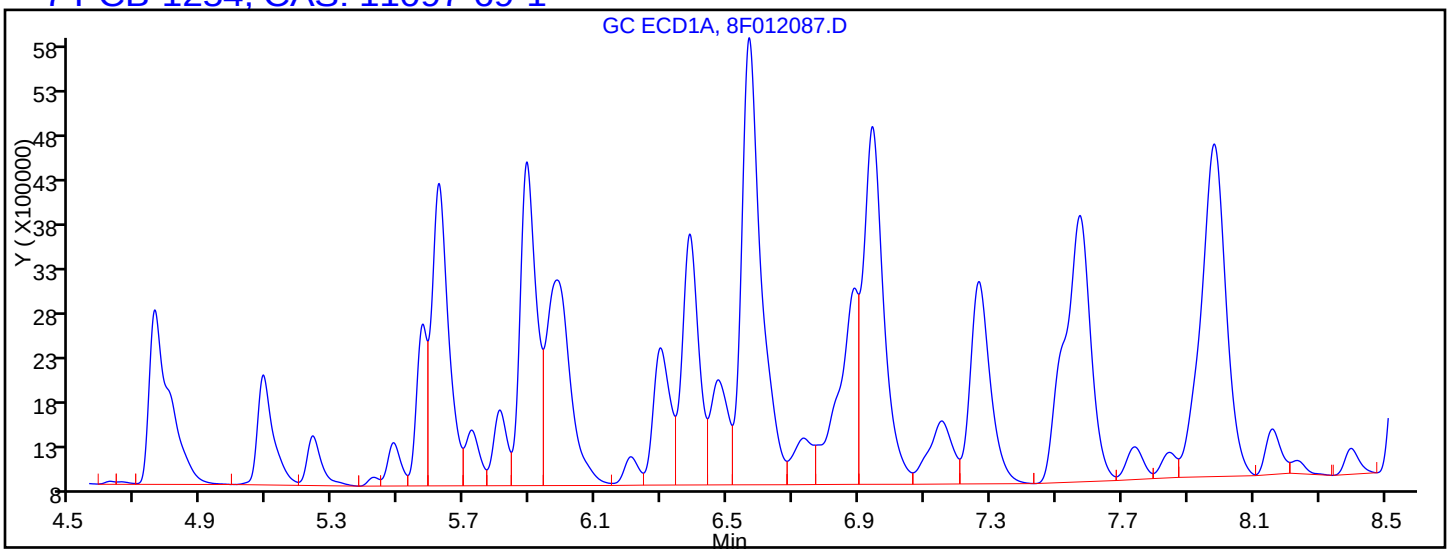
Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

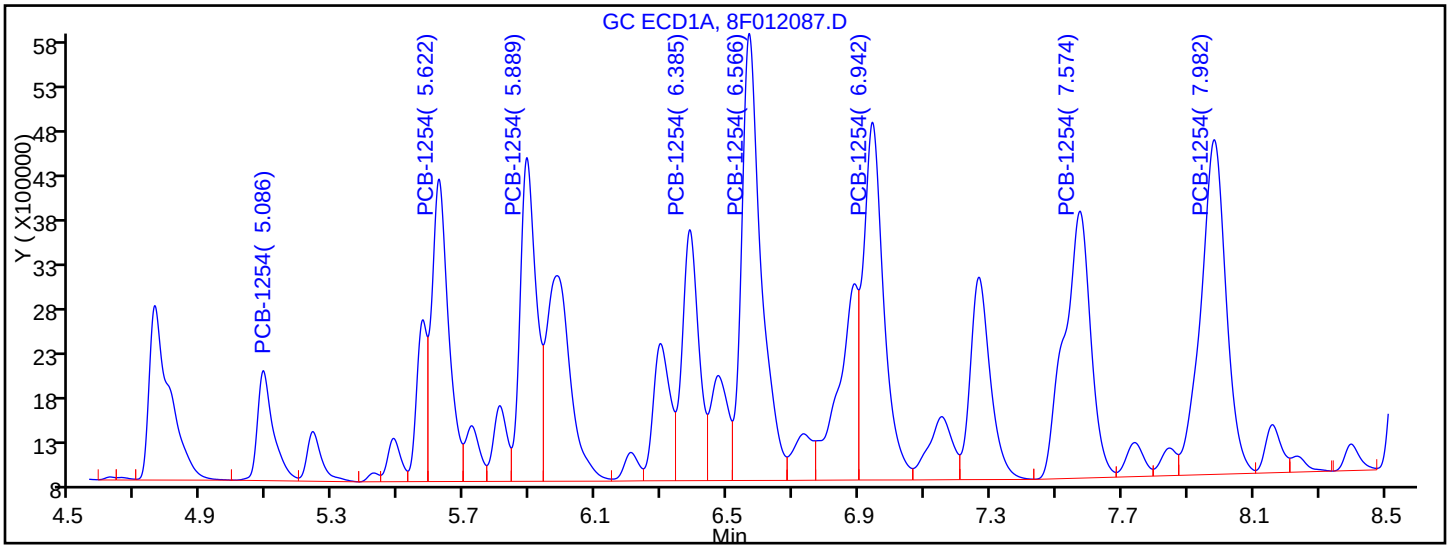
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results



Manual Integration Results

RT = 5.086	Response = 4109921	M
RT = 5.622	Response = 11987003	M
RT = 5.889	Response = 12485442	M
RT = 6.385	Response = 9857617	M
RT = 6.566	Response = 20807461	M
RT = 6.942	Response = 17264770	M
RT = 7.574	Response = 16759148	M
RT = 7.982	Response = 20085940	M

Reviewer: patelji, 15-Jun-2016 11:01:45

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:40 Calibration End Date: 06/14/2016 12:40 Calibration ID: 56256

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/12	8F012087.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0118					Ave		0.0118						20.0			0.9900
PCB-1254 Peak 2	0.0261					Ave		0.0261						20.0			0.9900
PCB-1254 Peak 3	0.0420					Ave		0.0420						20.0			0.9900
PCB-1254 Peak 4	0.0339					Ave		0.0339						20.0			0.9900
PCB-1254 Peak 5	0.0628					Ave		0.0628						20.0			0.9900
PCB-1254 Peak 6	0.0524					Ave		0.0524						20.0			0.9900
PCB-1254 Peak 7	0.0444					Ave		0.0444						20.0			0.9900
PCB-1254 Peak 8	0.0649					Ave		0.0649						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:40 Calibration End Date: 06/14/2016 12:40 Calibration ID: 56256

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/12	8F012087.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	3981549					1000				
PCB-1254 Peak 2	BNB	Ave	8775681					1000				
PCB-1254 Peak 3	BNB	Ave	14112266					1000				
PCB-1254 Peak 4	BNB	Ave	11407005					1000				
PCB-1254 Peak 5	BNB	Ave	21119400					1000				
PCB-1254 Peak 6	BNB	Ave	17609016					1000				
PCB-1254 Peak 7	BNB	Ave	14927657					1000				
PCB-1254 Peak 8	BNB	Ave	21831120					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012087.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 12:40:15 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-012
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub6

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:27 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 11:01:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.647	1.647	0.000	4911404	20.0	20.0	
2	1.384	1.384	0.000	6722903	20.0	20.0	
						RPD = 0.00	
7 PCB-1254							M
1	5.086	5.086	0.000	4109921	1000.0	1000.0	a
1	5.622	5.622	0.000	11987003	1000.0	1000.0	a
1	5.889	5.889	0.000	12485442	1000.0	1000.0	a
1	6.385	6.385	0.000	9857617	1000.0	1000.0	a
1	6.566	6.566	0.000	20807461	1000.0	1000.0	a
1	6.942	6.942	0.000	17264770	1000.0	1000.0	a
1	7.574	7.574	0.000	16759148	1000.0	1000.0	M
1	7.982	7.982	0.000	20085940	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	3.930	3.930	0.000	3981549	1000.0	1000.0	a
2	4.374	4.374	0.000	8775681	1000.0	1000.0	a
2	4.682	4.682	0.000	14112266	1000.0	1000.0	M
2	4.998	4.998	0.000	11407005	1000.0	1000.0	M
2	5.143	5.143	0.000	21119400	1000.0	1000.0	a
2	5.474	5.474	0.000	17609016	1000.0	1000.0	a
2	5.711	5.711	0.000	14927657	1000.0	1000.0	a
2	6.081	6.081	0.000	21831120	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

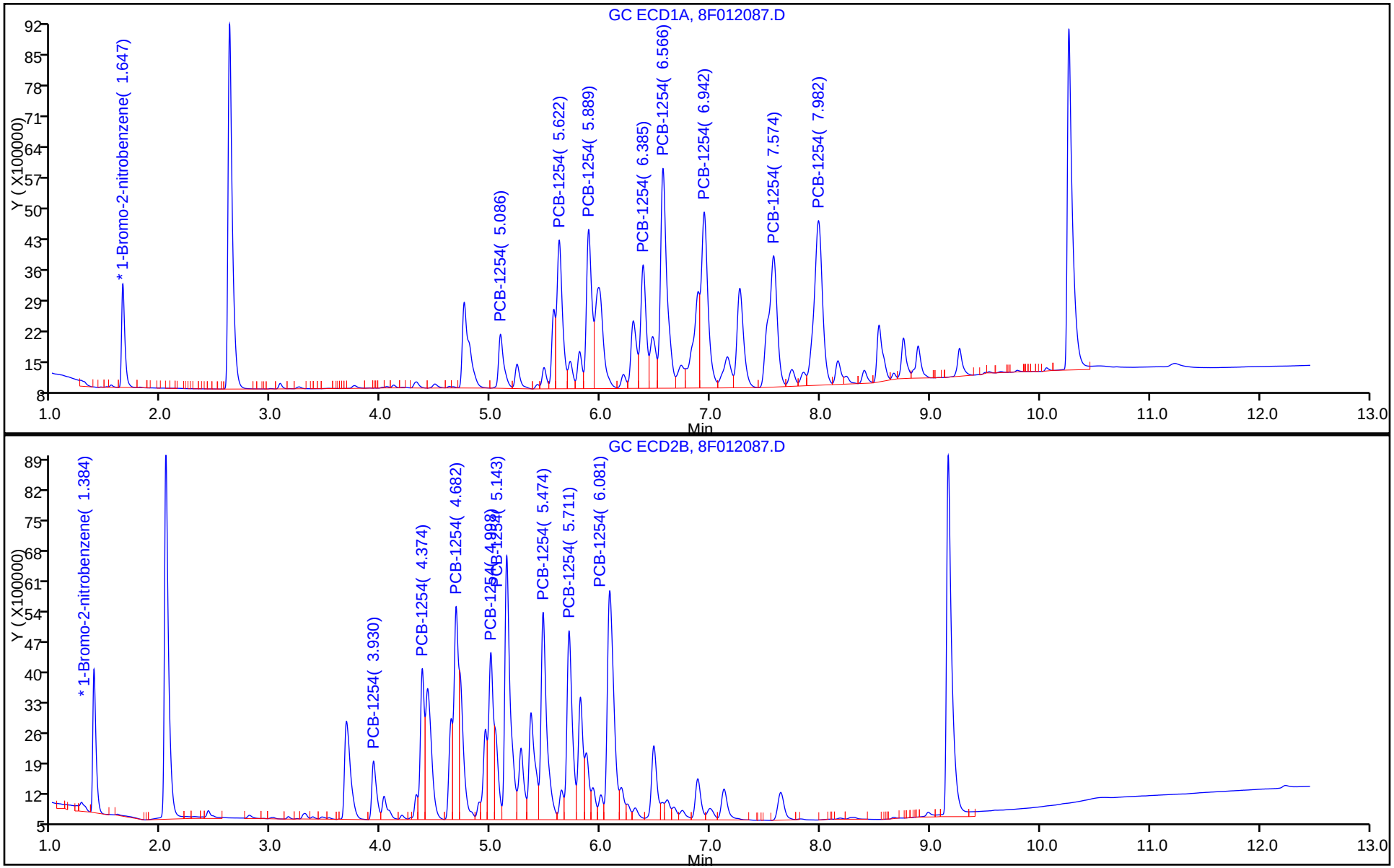
SG1254L3_00027	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:19:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012087.D

Injection Date:	14-Jun-2016 12:40:15	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



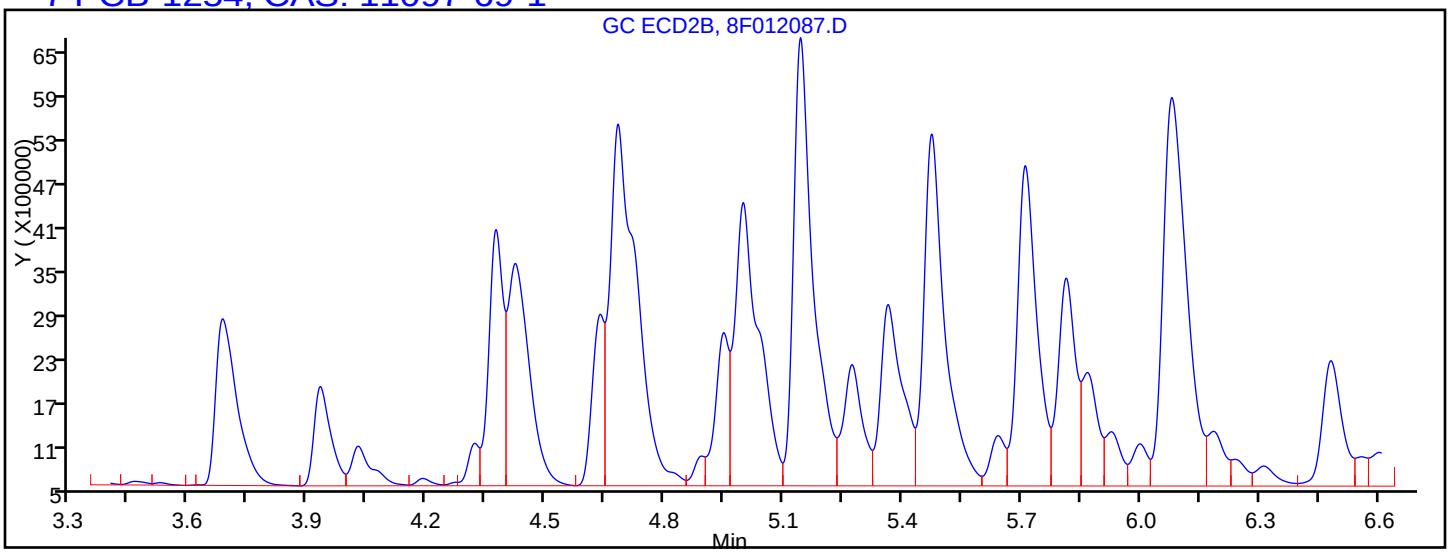
Report Date: 16-Jun-2016 12:19:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

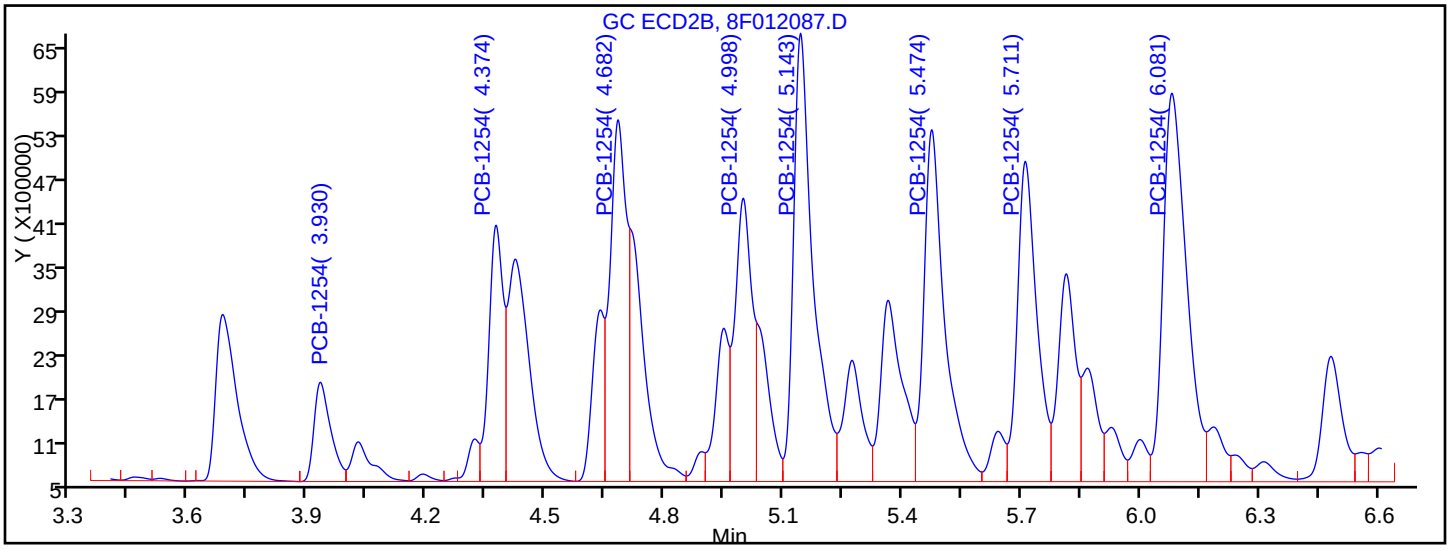
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012087.D

Injection Date:	14-Jun-2016 12:40:15	Instrument ID:	CPESTGC8
Lims ID:	IC 1254		
Client ID:			
Operator ID:		ALS Bottle#:	12 Worklist Smp#: 12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD
Column:		Detector	GC ECD2B

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results



Manual Integration Results

RT = 3.930	Response = 3981549	M
RT = 4.374	Response = 8775681	M
RT = 4.682	Response = 14112266	M
RT = 4.998	Response = 11407005	M
RT = 5.143	Response = 21119400	M
RT = 5.474	Response = 17609016	M
RT = 5.711	Response = 14927657	M
RT = 6.081	Response = 21831120	M

Reviewer: patelji, 15-Jun-2016 11:01:45

Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:56 Calibration End Date: 06/14/2016 12:56 Calibration ID: 56261

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/13	8F012088.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0502					Ave		0.0502						20.0			0.9900
PCB-1262 Peak 2	0.0591					Ave		0.0591						20.0			0.9900
PCB-1262 Peak 3	0.0722					Ave		0.0722						20.0			0.9900
PCB-1262 Peak 4	0.0600					Ave		0.0600						20.0			0.9900
PCB-1262 Peak 5	0.1350					Ave		0.1350						20.0			0.9900
PCB-1262 Peak 6	0.0231					Ave		0.0231						20.0			0.9900
PCB-1262 Peak 7	0.0551					Ave		0.0551						20.0			0.9900
PCB-1262 Peak 8	0.0203					Ave		0.0203						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:56 Calibration End Date: 06/14/2016 12:56 Calibration ID: 56261

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/13	8F012088.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	12769796					1000				
PCB-1262 Peak 2	BNB	Ave	15035759					1000				
PCB-1262 Peak 3	BNB	Ave	18355545					1000				
PCB-1262 Peak 4	BNB	Ave	15269341					1000				
PCB-1262 Peak 5	BNB	Ave	34344383					1000				
PCB-1262 Peak 6	BNB	Ave	5863832					1000				
PCB-1262 Peak 7	BNB	Ave	14024780					1000				
PCB-1262 Peak 8	BNB	Ave	5164674					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012088.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 12:56:12 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-013
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub7

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:34 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 11:25:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.647	1.647	0.000	5086760	20.0	20.0	
2	1.384	1.384	0.000	7039552	20.0	20.0	
						RPD = 0.00	
9 PCB-1262							
1	6.888	6.888	0.000	12769796	1000.0	1000.0	a
1	7.267	7.267	0.000	15035759	1000.0	1000.0	a
1	8.156	8.156	0.000	18355545	1000.0	1000.0	a
1	8.583	8.583	0.000	15269341	1000.0	1000.0	a
1	8.894	8.894	0.000	34344383	1000.0	1000.0	a
1	9.652	9.652	0.000	5863832	1000.0	1000.0	a
1	9.799	9.799	0.000	14024780	1000.0	1000.0	a
1	10.067	10.067	0.000	5164674	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	5.364	5.364	0.000	13485555	1000.0	1000.0	a
2	6.609	6.609	0.000	19807472	1000.0	1000.0	a
2	7.121	7.121	0.000	44380159	1000.0	1000.0	a
2	7.638	7.638	0.000	14623432	1000.0	1000.0	a
2	7.815	7.815	0.000	21642172	1000.0	1000.0	a
2	8.314	8.314	0.000	7089465	1000.0	1000.0	a
2	8.668	8.668	0.000	14606954	1000.0	1000.0	a
2	8.984	8.984	0.000	5853040	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

Reagents:

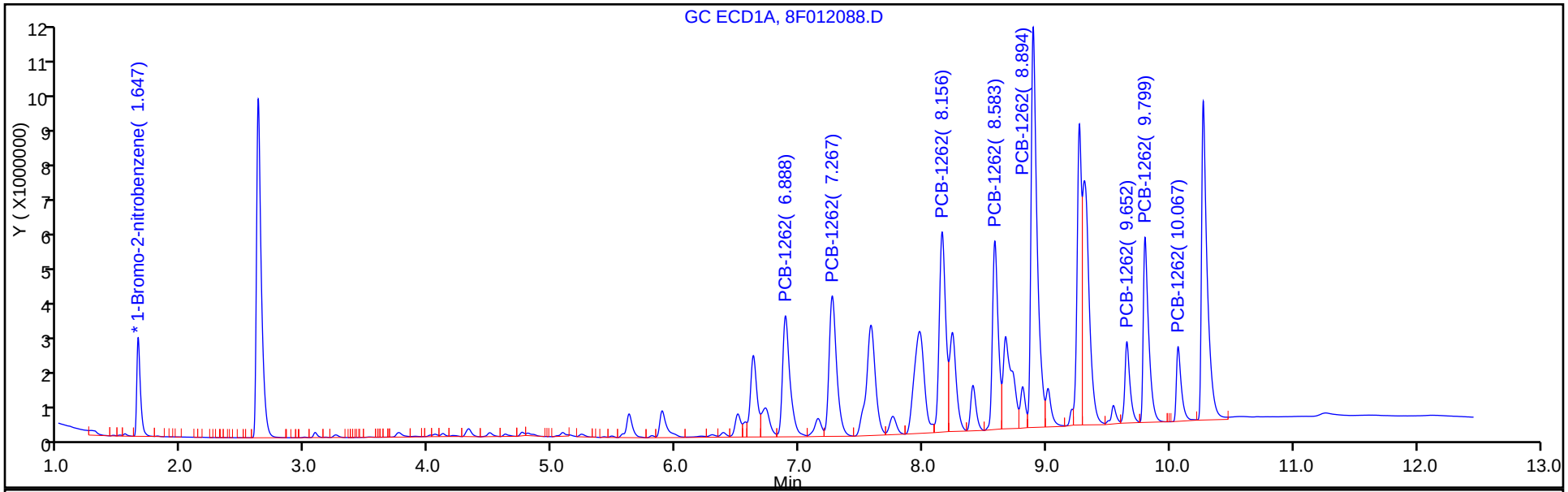
SG1262L3_00023	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

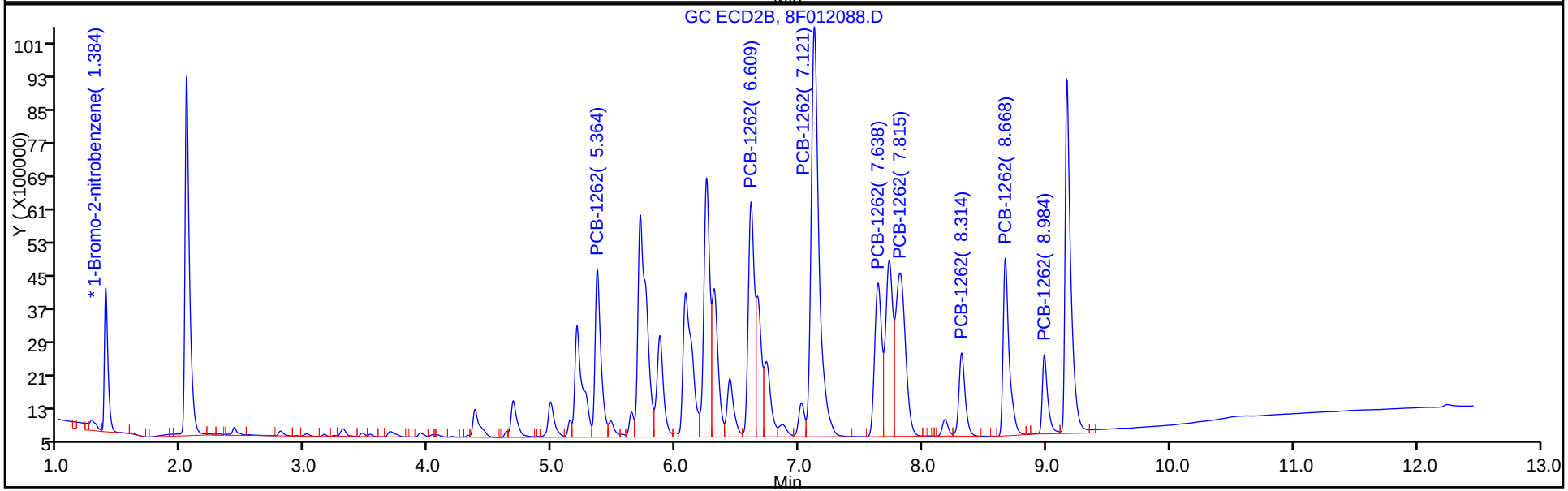
Report Date: 16-Jun-2016 12:19:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012088.D

Injection Date:	14-Jun-2016 12:56:12	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:56 Calibration End Date: 06/14/2016 12:56 Calibration ID: 56262

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/13	8F012088.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0383					Ave		0.0383						20.0			0.9900
PCB-1262 Peak 2	0.0563					Ave		0.0563						20.0			0.9900
PCB-1262 Peak 3	0.1261					Ave		0.1261						20.0			0.9900
PCB-1262 Peak 4	0.0415					Ave		0.0415						20.0			0.9900
PCB-1262 Peak 5	0.0615					Ave		0.0615						20.0			0.9900
PCB-1262 Peak 6	0.0201					Ave		0.0201						20.0			0.9900
PCB-1262 Peak 7	0.0415					Ave		0.0415						20.0			0.9900
PCB-1262 Peak 8	0.0166					Ave		0.0166						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 12:56 Calibration End Date: 06/14/2016 12:56 Calibration ID: 56262

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/13	8F012088.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	13485555					1000				
PCB-1262 Peak 2	BNB	Ave	19807472					1000				
PCB-1262 Peak 3	BNB	Ave	44380159					1000				
PCB-1262 Peak 4	BNB	Ave	14623432					1000				
PCB-1262 Peak 5	BNB	Ave	21642172					1000				
PCB-1262 Peak 6	BNB	Ave	7089465					1000				
PCB-1262 Peak 7	BNB	Ave	14606954					1000				
PCB-1262 Peak 8	BNB	Ave	5853040					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012088.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 12:56:12 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-013
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub7

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:34 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 11:25:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.647	1.647	0.000	5086760	20.0	20.0	
2	1.384	1.384	0.000	7039552	20.0	20.0	
						RPD = 0.00	
9 PCB-1262							
1	6.888	6.888	0.000	12769796	1000.0	1000.0	a
1	7.267	7.267	0.000	15035759	1000.0	1000.0	a
1	8.156	8.156	0.000	18355545	1000.0	1000.0	a
1	8.583	8.583	0.000	15269341	1000.0	1000.0	a
1	8.894	8.894	0.000	34344383	1000.0	1000.0	a
1	9.652	9.652	0.000	5863832	1000.0	1000.0	a
1	9.799	9.799	0.000	14024780	1000.0	1000.0	a
1	10.067	10.067	0.000	5164674	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	5.364	5.364	0.000	13485555	1000.0	1000.0	a
2	6.609	6.609	0.000	19807472	1000.0	1000.0	a
2	7.121	7.121	0.000	44380159	1000.0	1000.0	a
2	7.638	7.638	0.000	14623432	1000.0	1000.0	a
2	7.815	7.815	0.000	21642172	1000.0	1000.0	a
2	8.314	8.314	0.000	7089465	1000.0	1000.0	a
2	8.668	8.668	0.000	14606954	1000.0	1000.0	a
2	8.984	8.984	0.000	5853040	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

Reagents:

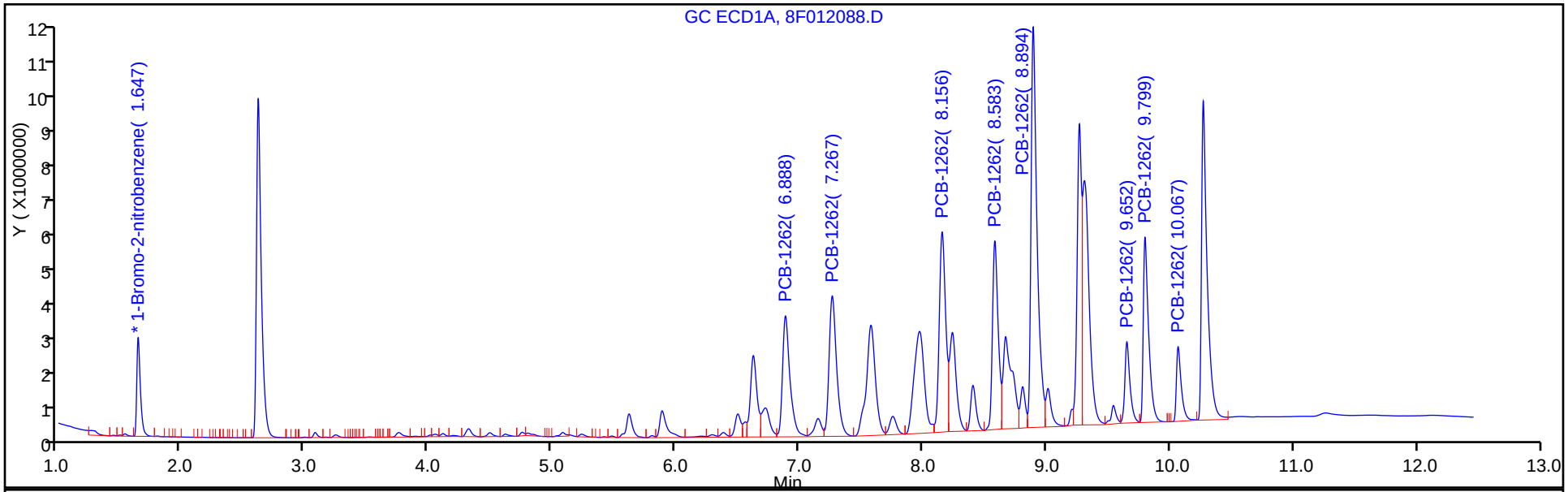
SG1262L3_00023	Amount Added: 1.00	Units: mL	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

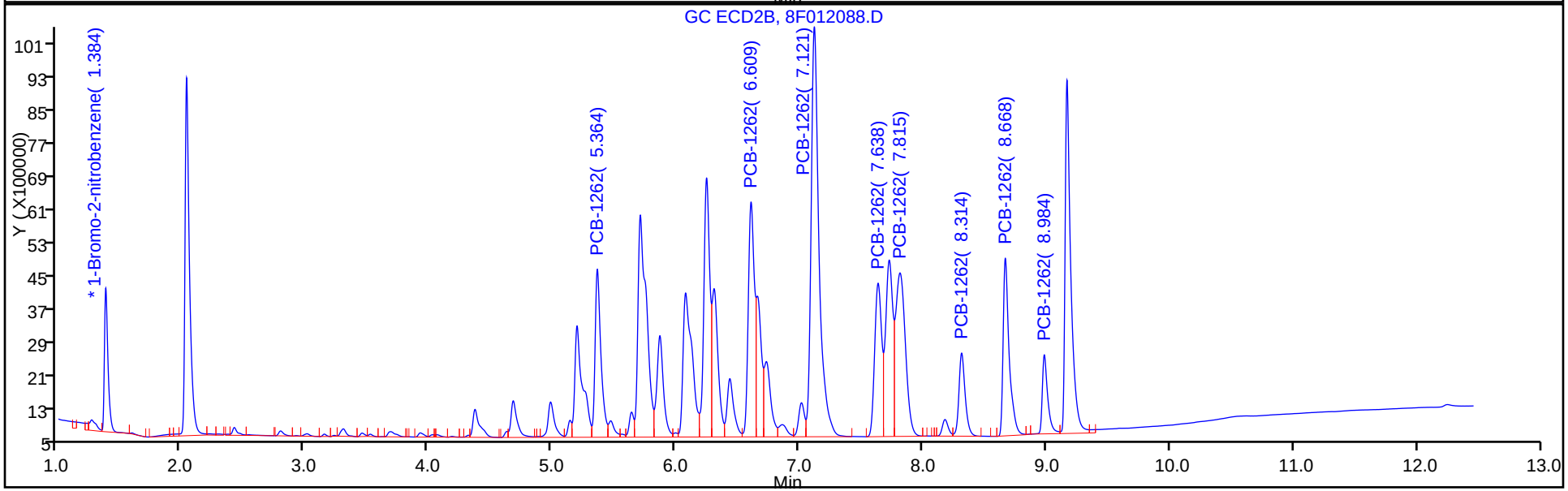
Report Date: 16-Jun-2016 12:19:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012088.D

Injection Date:	14-Jun-2016 12:56:12	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 13:12 Calibration End Date: 06/14/2016 13:12 Calibration ID: 56267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/14	8F012089.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0303					Ave		0.0303						20.0			0.9900
PCB-1268 Peak 2	0.0368					Ave		0.0368						20.0			0.9900
PCB-1268 Peak 3	0.0892					Ave		0.0892						20.0			0.9900
PCB-1268 Peak 4	0.1816					Ave		0.1816						20.0			0.9900
PCB-1268 Peak 5	0.1108					Ave		0.1108						20.0			0.9900
PCB-1268 Peak 6	0.0429					Ave		0.0429						20.0			0.9900
PCB-1268 Peak 7	0.0513					Ave		0.0513						20.0			0.9900
PCB-1268 Peak 8	0.3162					Ave		0.3162						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 13:12 Calibration End Date: 06/14/2016 13:12 Calibration ID: 56267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/14	8F012089.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	7948040					1000				
PCB-1268 Peak 2	BNB	Ave	9671261					1000				
PCB-1268 Peak 3	BNB	Ave	23422764					1000				
PCB-1268 Peak 4	BNB	Ave	47716728					1000				
PCB-1268 Peak 5	BNB	Ave	29103992					1000				
PCB-1268 Peak 6	BNB	Ave	11258212					1000				
PCB-1268 Peak 7	BNB	Ave	13471308					1000				
PCB-1268 Peak 8	BNB	Ave	83060268					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 13:12:05 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-014
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:42 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 16-Jun-2016 08:43:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.646	1.646	0.000	5254217	20.0	20.0	
2	1.384	1.384	0.000	6989840	20.0	20.0	
						RPD = 0.00	
10 PCB-1268							M
1	8.156	8.156	0.000	7948040	1000.0	1000.0	M
1	8.585	8.585	0.000	9671261	1000.0	1000.0	M
1	9.261	9.261	0.000	23422764	1000.0	1000.0	M
1	9.302	9.302	0.000	47716728	1000.0	1000.0	M
1	9.538	9.538	0.000	29103992	1000.0	1000.0	M
1	9.624	9.624	0.000	11258212	1000.0	1000.0	M
1	9.791	9.791	0.000	13471308	1000.0	1000.0	M
1	10.057	10.057	0.000	83060268	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	6.603	6.603	0.000	11385829	1000.0	1000.0	a
2	7.116	7.116	0.000	7384197	1000.0	1000.0	a
2	7.728	7.728	0.000	38089434	1000.0	1000.0	M
2	7.802	7.802	0.000	46398513	1000.0	1000.0	M
2	8.179	8.179	0.000	34228677	1000.0	1000.0	M
2	8.306	8.306	0.000	10887706	1000.0	1000.0	M
2	8.665	8.665	0.000	13746294	1000.0	1000.0	a
2	8.978	8.978	0.000	83500582	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

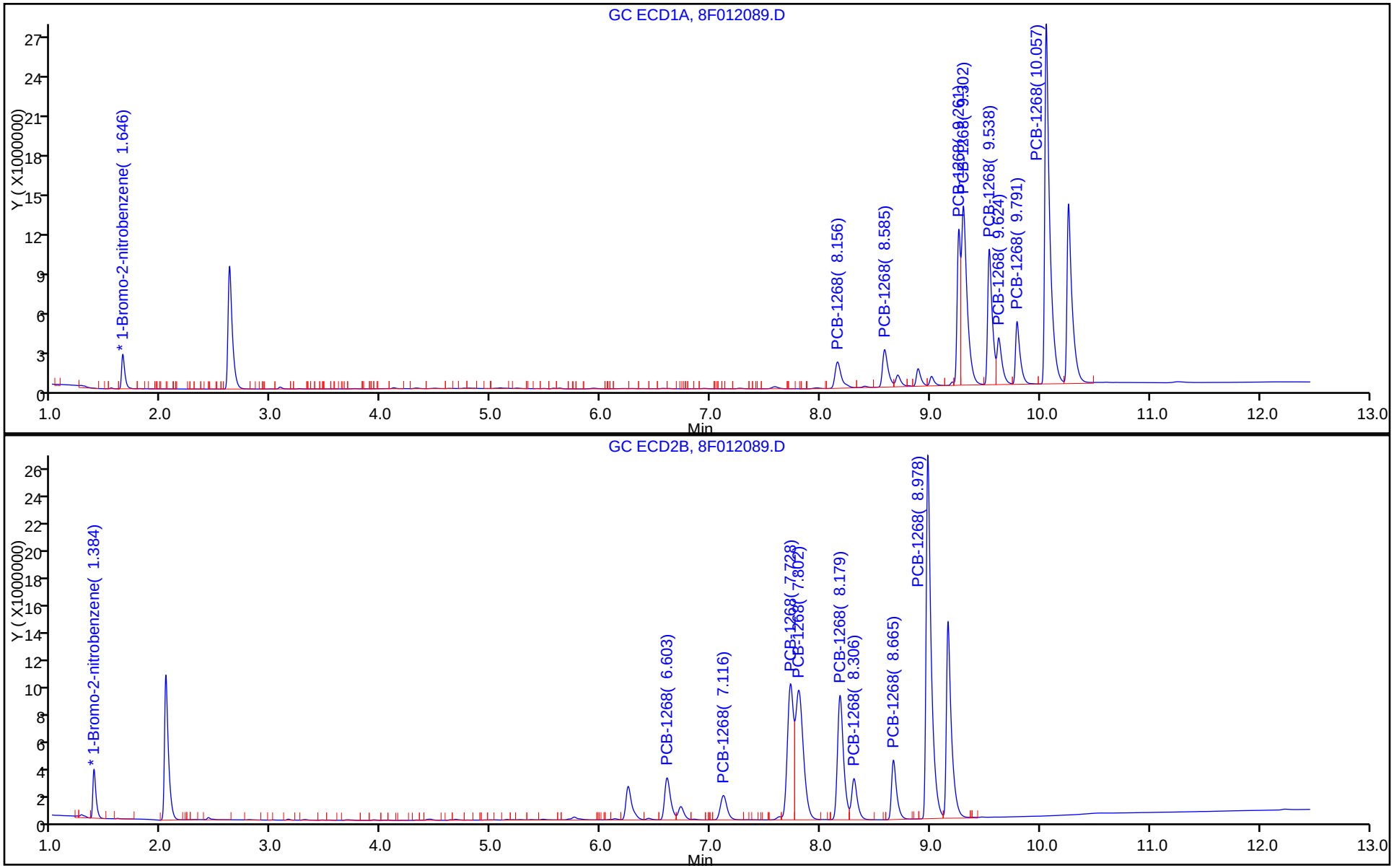
SG1268L3_00024	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:19:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Injection Date:	14-Jun-2016 13:12:05	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 16-Jun-2016 12:19:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Injection Date: 14-Jun-2016 13:12:05 Instrument ID: CPESTGC8

Lims ID: IC 1268

Client ID:

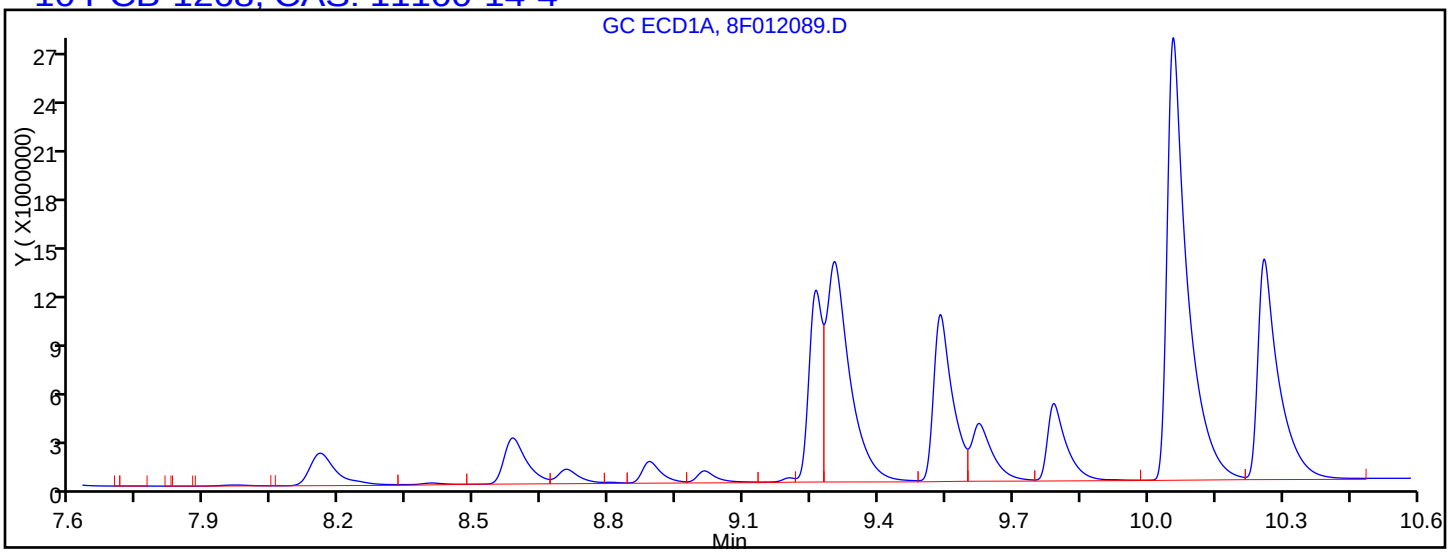
Operator ID: ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

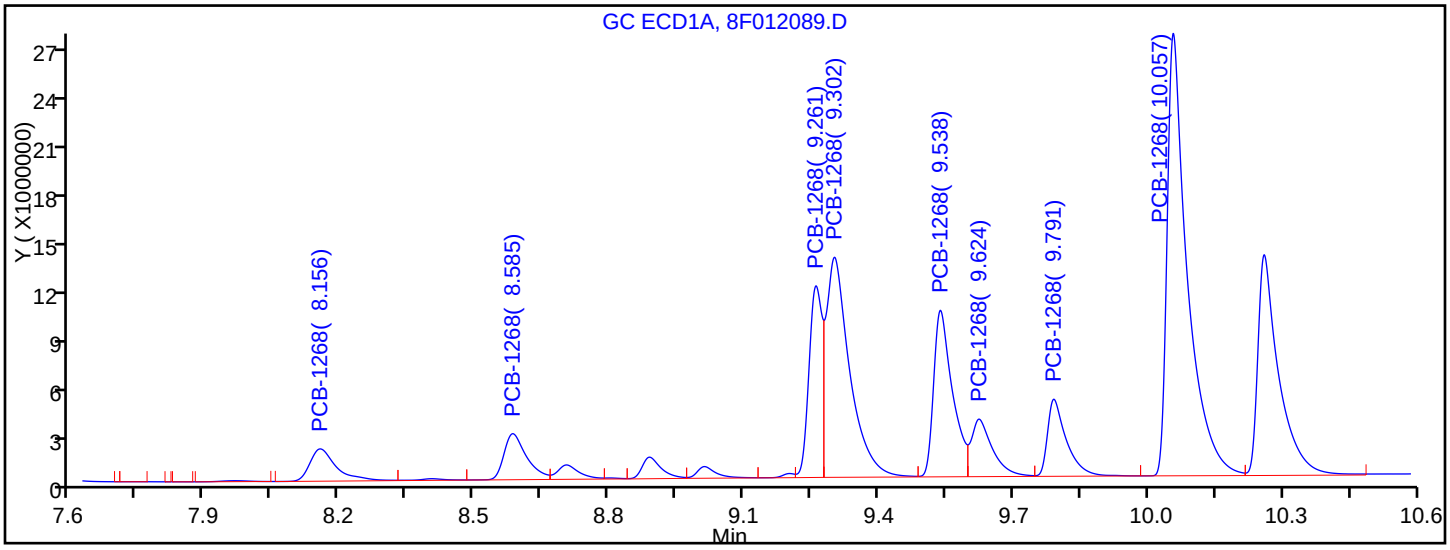
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

10 PCB-1268, CAS: 11100-14-4



Processing Integration Results



Manual Integration Results

RT = 8.156	Response = 7948040	M
RT = 8.585	Response = 9671261	M
RT = 9.261	Response = 23422764	M
RT = 9.302	Response = 47716728	M
RT = 9.538	Response = 29103992	M
RT = 9.624	Response = 11258212	M
RT = 9.791	Response = 13471308	M
RT = 10.057	Response = 83060268	M

Reviewer: patelji, 16-Jun-2016 12:02:45

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 13:12 Calibration End Date: 06/14/2016 13:12 Calibration ID: 56268

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/14	8F012089.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0326					Ave		0.0326						20.0			0.9900
PCB-1268 Peak 2	0.0211					Ave		0.0211						20.0			0.9900
PCB-1268 Peak 3	0.1090					Ave		0.1090						20.0			0.9900
PCB-1268 Peak 4	0.1328					Ave		0.1328						20.0			0.9900
PCB-1268 Peak 5	0.0979					Ave		0.0979						20.0			0.9900
PCB-1268 Peak 6	0.0312					Ave		0.0312						20.0			0.9900
PCB-1268 Peak 7	0.0393					Ave		0.0393						20.0			0.9900
PCB-1268 Peak 8	0.2389					Ave		0.2389						20.0			0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-118857-1 Analy Batch No.: 373506

SDG No.:

Instrument ID: CPESTGC8 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2016 13:12 Calibration End Date: 06/14/2016 13:12 Calibration ID: 56268

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-373506/14	8F012089.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	11385829					1000				
PCB-1268 Peak 2	BNB	Ave	7384197					1000				
PCB-1268 Peak 3	BNB	Ave	38089434					1000				
PCB-1268 Peak 4	BNB	Ave	46398513					1000				
PCB-1268 Peak 5	BNB	Ave	34228677					1000				
PCB-1268 Peak 6	BNB	Ave	10887706					1000				
PCB-1268 Peak 7	BNB	Ave	13746294					1000				
PCB-1268 Peak 8	BNB	Ave	83500582					1000				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2016 13:12:05 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-014
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:19:42 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 16-Jun-2016 08:43:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.646	1.646	0.000	5254217	20.0	20.0	
2	1.384	1.384	0.000	6989840	20.0	20.0	
						RPD = 0.00	
10 PCB-1268							M
1	8.156	8.156	0.000	7948040	1000.0	1000.0	M
1	8.585	8.585	0.000	9671261	1000.0	1000.0	M
1	9.261	9.261	0.000	23422764	1000.0	1000.0	M
1	9.302	9.302	0.000	47716728	1000.0	1000.0	M
1	9.538	9.538	0.000	29103992	1000.0	1000.0	M
1	9.624	9.624	0.000	11258212	1000.0	1000.0	M
1	9.791	9.791	0.000	13471308	1000.0	1000.0	M
1	10.057	10.057	0.000	83060268	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
2	6.603	6.603	0.000	11385829	1000.0	1000.0	a
2	7.116	7.116	0.000	7384197	1000.0	1000.0	a
2	7.728	7.728	0.000	38089434	1000.0	1000.0	M
2	7.802	7.802	0.000	46398513	1000.0	1000.0	M
2	8.179	8.179	0.000	34228677	1000.0	1000.0	M
2	8.306	8.306	0.000	10887706	1000.0	1000.0	M
2	8.665	8.665	0.000	13746294	1000.0	1000.0	a
2	8.978	8.978	0.000	83500582	1000.0	1000.0	a
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

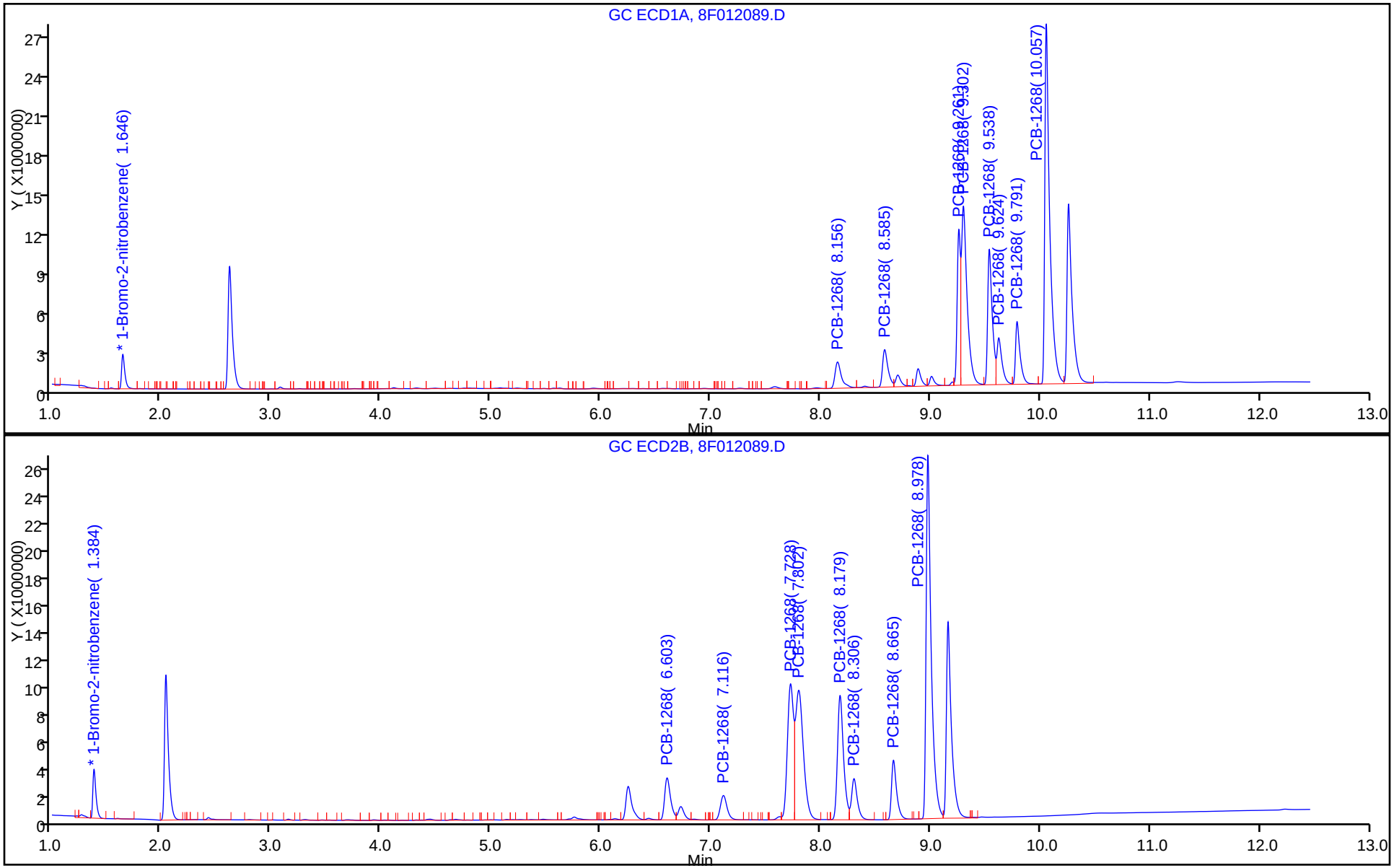
SG1268L3_00024	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:19:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Injection Date:	14-Jun-2016 13:12:05	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 16-Jun-2016 12:19:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Injection Date: 14-Jun-2016 13:12:05 Instrument ID: CPESTGC8

Lims ID: IC 1268

Client ID:

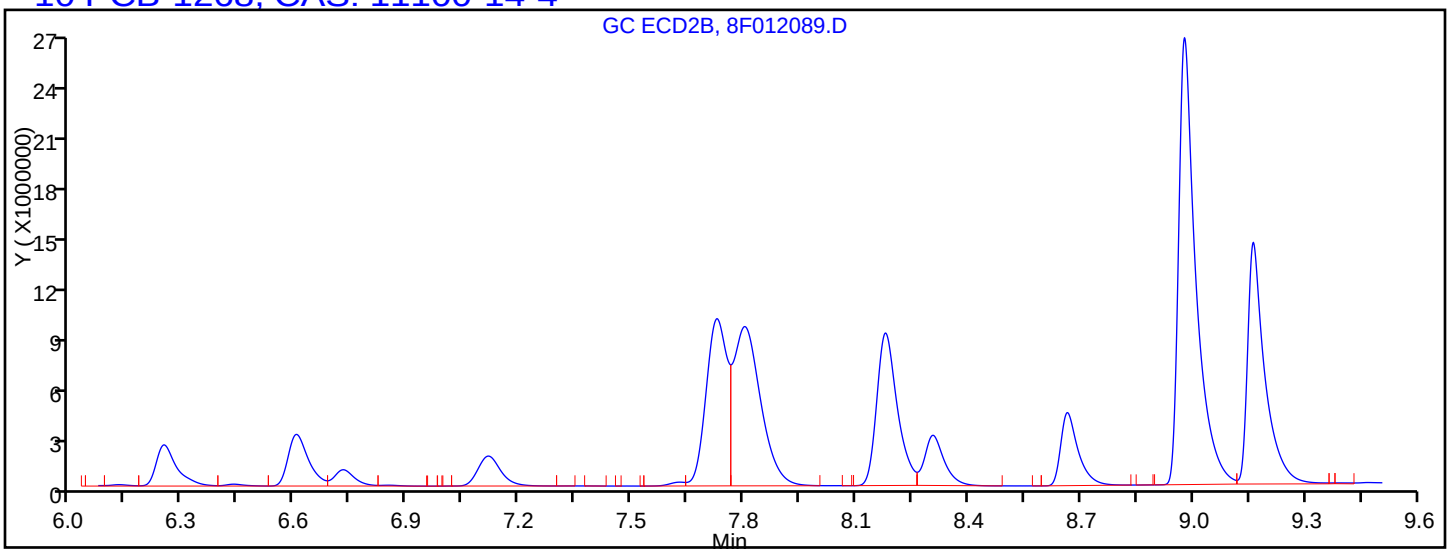
Operator ID: ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

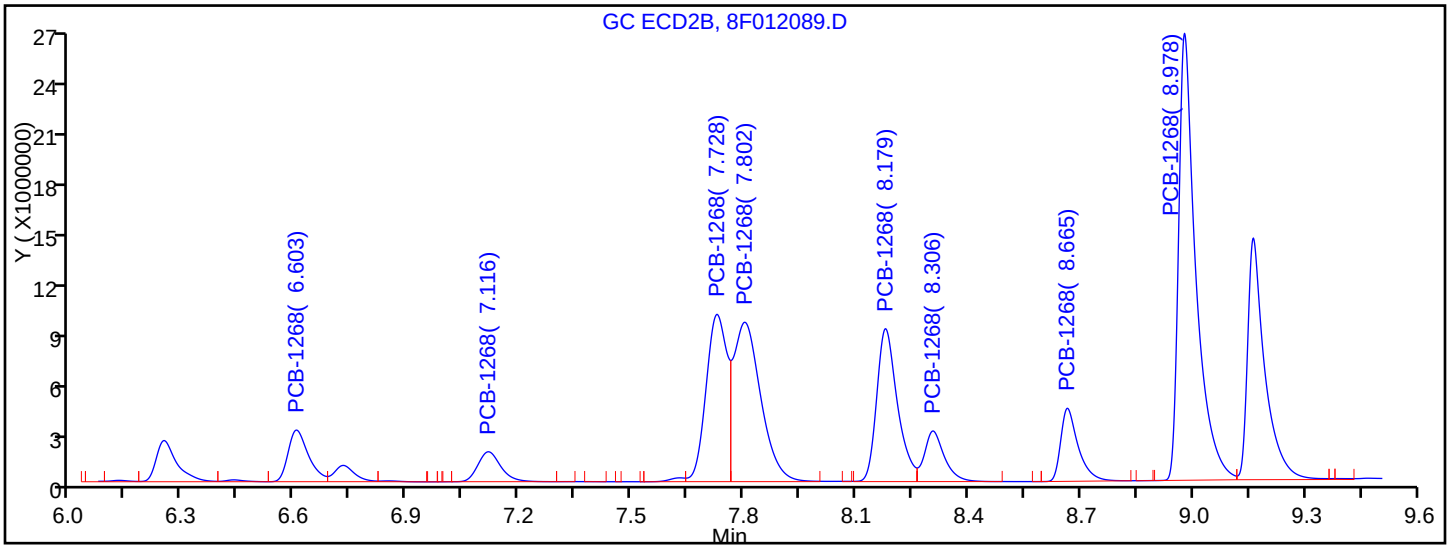
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD2B

10 PCB-1268, CAS: 11100-14-4



Processing Integration Results



Manual Integration Results

RT = 6.603	Response = 11385829	M
RT = 7.116	Response = 7384197	M
RT = 7.728	Response = 38089434	M
RT = 7.802	Response = 46398513	M
RT = 8.179	Response = 34228677	M
RT = 8.306	Response = 10887706	M
RT = 8.665	Response = 13746294	M
RT = 8.978	Response = 83500582	M

Reviewer: patelji, 16-Jun-2016 12:02:45

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-374290/7 Calibration Date: 06/17/2016 18:02

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1329662.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0164	0.0162		986	1000	-1.4	20.0
PCB-1016 Peak 2	Ave	0.0323	0.0346		1070	1000	6.9	20.0
PCB-1016 Peak 3	Ave	0.0141	0.0137		974	1000	-2.6	20.0
PCB-1016 Peak 4	Ave	0.0660	0.0695		1050	1000	5.3	20.0
PCB-1016 Peak 5	Ave	0.0278	0.0288		1040	1000	3.6	20.0
PCB-1016 Peak 6	Ave	0.0143	0.0155		1080	1000	8.4	20.0
PCB-1016 Peak 7	Ave	0.0222	0.0228		1020	1000	2.4	20.0
PCB-1016 Peak 8	Ave	0.0246	0.0226		919	1000	-8.1	20.0
PCB-1260 Peak 1	Ave	0.0211	0.0206		974	1000	-2.6	20.0
PCB-1260 Peak 2	Ave	0.0445	0.0467		1050	1000	5.0	20.0
PCB-1260 Peak 3	Ave	0.0520	0.0533		1030	1000	2.5	20.0
PCB-1260 Peak 4	Ave	0.0418	0.0377		901	1000	-9.9	20.0
PCB-1260 Peak 5	Ave	0.0461	0.0443		961	1000	-3.9	20.0
PCB-1260 Peak 6	Ave	0.0968	0.0912		943	1000	-5.7	20.0
PCB-1260 Peak 7	Ave	0.0725	0.0695		959	1000	-4.1	20.0
PCB-1260 Peak 8	Ave	0.0268	0.0231		861	1000	-13.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-374290/7 Calibration Date: 06/17/2016 18:02

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1329662.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.00	2.97	3.03
PCB-1016 Peak 2	3.47	3.44	3.50
PCB-1016 Peak 3	3.74	3.71	3.77
PCB-1016 Peak 4	3.99	3.96	4.02
PCB-1016 Peak 5	4.14	4.11	4.17
PCB-1016 Peak 6	4.38	4.35	4.41
PCB-1016 Peak 7	4.68	4.65	4.71
PCB-1016 Peak 8	4.82	4.79	4.85
PCB-1260 Peak 1	6.00	5.97	6.03
PCB-1260 Peak 2	6.21	6.18	6.24
PCB-1260 Peak 3	6.52	6.49	6.55
PCB-1260 Peak 4	7.23	7.20	7.26
PCB-1260 Peak 5	7.73	7.71	7.77
PCB-1260 Peak 6	8.23	8.20	8.26
PCB-1260 Peak 7	8.96	8.93	8.99
PCB-1260 Peak 8	9.98	9.95	10.01

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329662.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Jun-2016 18:02:22 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-007
Operator ID: Instrument ID: CPESTGC11
Sublist:

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:24 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.534	1.534	0.000	47837155	20.0	20.0	
2	1.367	1.367	0.000	41401410	20.0	20.0	M
						RPD = 0.00	
5 PCB-1016							M
1	2.997	2.998	-0.001	38768946	1000.0	985.8	
1	3.466	3.465	0.001	82720292	1000.0	1069.2	
1	3.739	3.738	0.001	32806436	1000.0	973.8	
1	3.985	3.985	0.000	166195021	1000.0	1052.7	
1	4.142	4.142	0.000	68964876	1000.0	1036.2	
1	4.384	4.384	0.000	37080461	1000.0	1083.7	
1	4.683	4.684	-0.001	54434962	1000.0	1024.4	
1	4.821	4.822	-0.001	53992949	1000.0	918.8	
		Average of Peak Amounts =				1018.1	
2	2.360	2.360	0.000	33815992	1000.0	984.4	
2	2.717	2.718	-0.001	74744319	1000.0	1114.0	
2	2.920	2.921	-0.001	49986897	1000.0	1115.9	
2	3.195	3.194	0.001	166914488	1000.0	1119.6	
2	3.333	3.333	0.000	69786287	1000.0	1133.2	
2	3.397	3.397	0.000	41293237	1000.0	1085.7	
2	3.770	3.770	0.000	67501609	1000.0	1081.3	
2	3.860	3.860	0.000	36349734	1000.0	1043.4	M
		Average of Peak Amounts =				1084.7	
						RPD = 6.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 PCB-1260							M
1	5.996	5.996	0.000	49256236	1000.0	973.7	
1	6.210	6.211	-0.001	111683003	1000.0	1049.8	
1	6.521	6.521	0.000	127496396	1000.0	1025.5	
1	7.225	7.228	-0.003	90112541	1000.0	901.3	
1	7.734	7.735	-0.001	105956793	1000.0	961.2	
1	8.228	8.230	-0.002	218179687	1000.0	942.6	
1	8.963	8.960	0.003	166147295	1000.0	958.6	
1	9.978	9.979	-0.001	55212855	1000.0	860.9	
		Average of Peak Amounts =				959.2	
2	5.090	5.091	-0.001	96592775	1000.0	1075.2	M
2	5.708	5.708	0.000	177512496	1000.0	1143.9	M
2	5.855	5.855	0.000	85359198	1000.0	902.3	M
2	6.163	6.162	0.001	92577897	1000.0	963.7	M
2	6.600	6.600	0.000	207530422	1000.0	974.6	M
2	7.018	7.019	-0.001	116967266	1000.0	1067.1	
2	7.161	7.160	0.001	54307419	1000.0	869.1	
2	8.120	8.119	0.001	55167402	1000.0	897.0	
		Average of Peak Amounts =				986.6	
						RPD = 2.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

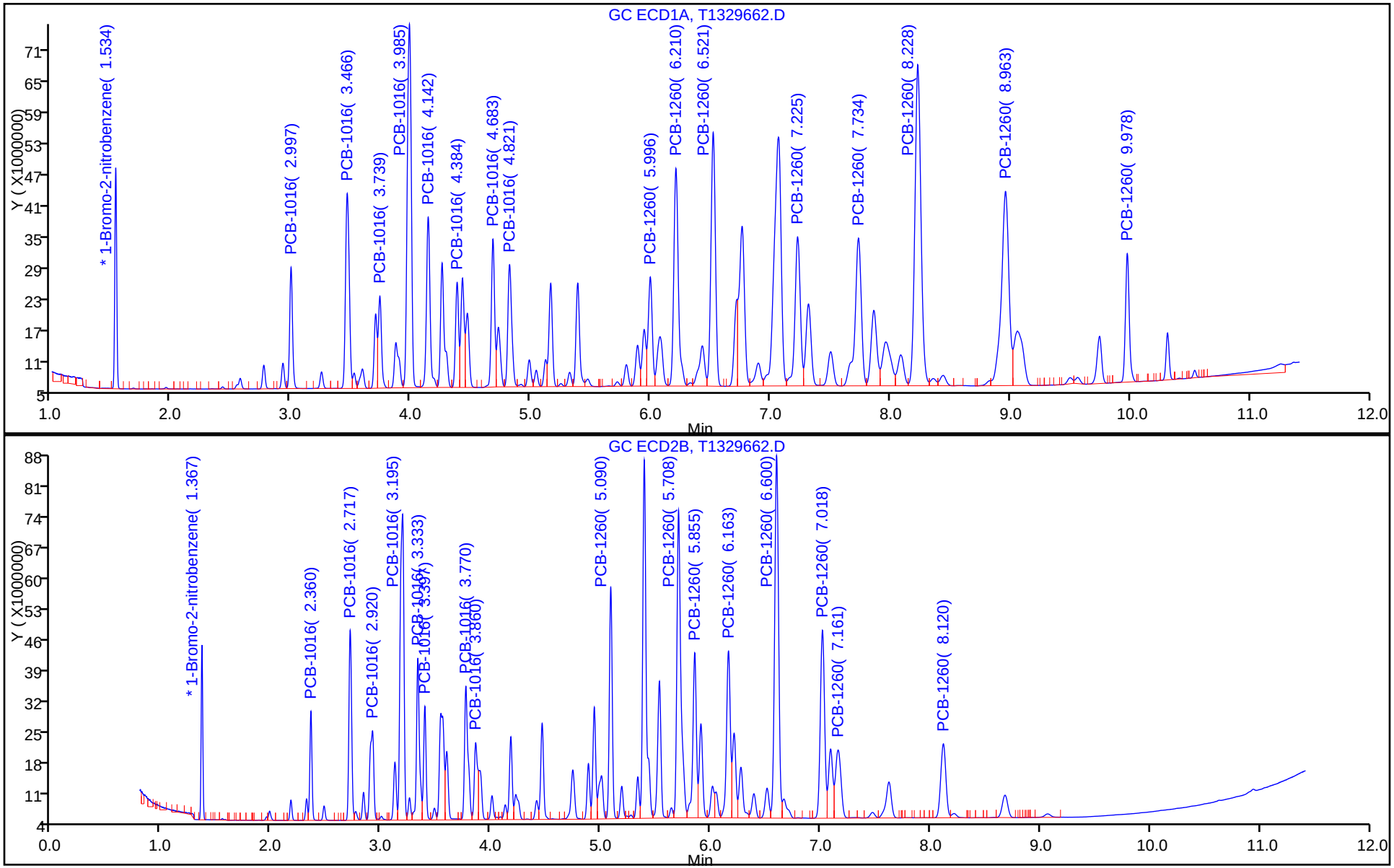
SGPCBICV_00018	Amount Added: 1.00	Units: mL	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329662.D

Injection Date:	17-Jun-2016 18:02:22	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-374290/7 Calibration Date: 06/17/2016 18:02

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1329662.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0166	0.0163		984	1000	-1.6	20.0
PCB-1016 Peak 2	Ave	0.0324	0.0361		1110	1000	11.4	20.0
PCB-1016 Peak 3	Ave	0.0216	0.0242		1120	1000	11.6	20.0
PCB-1016 Peak 4	Ave	0.0720	0.0806		1120	1000	12.0	20.0
PCB-1016 Peak 5	Ave	0.0297	0.0337		1130	1000	13.3	20.0
PCB-1016 Peak 6	Ave	0.0184	0.0200		1090	1000	8.6	20.0
PCB-1016 Peak 7	Ave	0.0302	0.0326		1080	1000	8.1	20.0
PCB-1016 Peak 8	Ave	0.0168	0.0176		1040	1000	4.3	20.0
PCB-1260 Peak 1	Ave	0.0434	0.0467		1080	1000	7.5	20.0
PCB-1260 Peak 2	Ave	0.0750	0.0858		1140	1000	14.4	20.0
PCB-1260 Peak 3	Ave	0.0457	0.0412		902	1000	-9.8	20.0
PCB-1260 Peak 4	Ave	0.0464	0.0447		964	1000	-3.6	20.0
PCB-1260 Peak 5	Ave	0.1029	0.1003		975	1000	-2.5	20.0
PCB-1260 Peak 6	Ave	0.0530	0.0565		1070	1000	6.7	20.0
PCB-1260 Peak 7	Ave	0.0302	0.0262		869	1000	-13.1	20.0
PCB-1260 Peak 8	Ave	0.0297	0.0267		897	1000	-10.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-374290/7 Calibration Date: 06/17/2016 18:02

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1329662.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.36	2.33	2.39
PCB-1016 Peak 2	2.72	2.69	2.75
PCB-1016 Peak 3	2.92	2.89	2.95
PCB-1016 Peak 4	3.20	3.16	3.22
PCB-1016 Peak 5	3.33	3.30	3.36
PCB-1016 Peak 6	3.40	3.37	3.43
PCB-1016 Peak 7	3.77	3.74	3.80
PCB-1016 Peak 8	3.86	3.83	3.89
PCB-1260 Peak 1	5.09	5.06	5.12
PCB-1260 Peak 2	5.71	5.68	5.74
PCB-1260 Peak 3	5.86	5.83	5.89
PCB-1260 Peak 4	6.16	6.13	6.19
PCB-1260 Peak 5	6.60	6.57	6.63
PCB-1260 Peak 6	7.02	6.99	7.05
PCB-1260 Peak 7	7.16	7.13	7.19
PCB-1260 Peak 8	8.12	8.09	8.15

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329662.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Jun-2016 18:02:22 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042300-007
Operator ID: Instrument ID: CPESTGC11
Sublist:

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 19-Jun-2016 09:11:24 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: patelji Date: 19-Jun-2016 07:15:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.534	1.534	0.000	47837155	20.0	20.0	
2	1.367	1.367	0.000	41401410	20.0	20.0	M
						RPD = 0.00	
5 PCB-1016							M
1	2.997	2.998	-0.001	38768946	1000.0	985.8	
1	3.466	3.465	0.001	82720292	1000.0	1069.2	
1	3.739	3.738	0.001	32806436	1000.0	973.8	
1	3.985	3.985	0.000	166195021	1000.0	1052.7	
1	4.142	4.142	0.000	68964876	1000.0	1036.2	
1	4.384	4.384	0.000	37080461	1000.0	1083.7	
1	4.683	4.684	-0.001	54434962	1000.0	1024.4	
1	4.821	4.822	-0.001	53992949	1000.0	918.8	
		Average of Peak Amounts =				1018.1	
2	2.360	2.360	0.000	33815992	1000.0	984.4	
2	2.717	2.718	-0.001	74744319	1000.0	1114.0	
2	2.920	2.921	-0.001	49986897	1000.0	1115.9	
2	3.195	3.194	0.001	166914488	1000.0	1119.6	
2	3.333	3.333	0.000	69786287	1000.0	1133.2	
2	3.397	3.397	0.000	41293237	1000.0	1085.7	
2	3.770	3.770	0.000	67501609	1000.0	1081.3	
2	3.860	3.860	0.000	36349734	1000.0	1043.4	M
		Average of Peak Amounts =				1084.7	
						RPD = 6.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 PCB-1260							M
1	5.996	5.996	0.000	49256236	1000.0	973.7	
1	6.210	6.211	-0.001	111683003	1000.0	1049.8	
1	6.521	6.521	0.000	127496396	1000.0	1025.5	
1	7.225	7.228	-0.003	90112541	1000.0	901.3	
1	7.734	7.735	-0.001	105956793	1000.0	961.2	
1	8.228	8.230	-0.002	218179687	1000.0	942.6	
1	8.963	8.960	0.003	166147295	1000.0	958.6	
1	9.978	9.979	-0.001	55212855	1000.0	860.9	
		Average of Peak Amounts =				959.2	
2	5.090	5.091	-0.001	96592775	1000.0	1075.2	M
2	5.708	5.708	0.000	177512496	1000.0	1143.9	M
2	5.855	5.855	0.000	85359198	1000.0	902.3	M
2	6.163	6.162	0.001	92577897	1000.0	963.7	M
2	6.600	6.600	0.000	207530422	1000.0	974.6	M
2	7.018	7.019	-0.001	116967266	1000.0	1067.1	
2	7.161	7.160	0.001	54307419	1000.0	869.1	
2	8.120	8.119	0.001	55167402	1000.0	897.0	
		Average of Peak Amounts =				986.6	
						RPD = 2.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

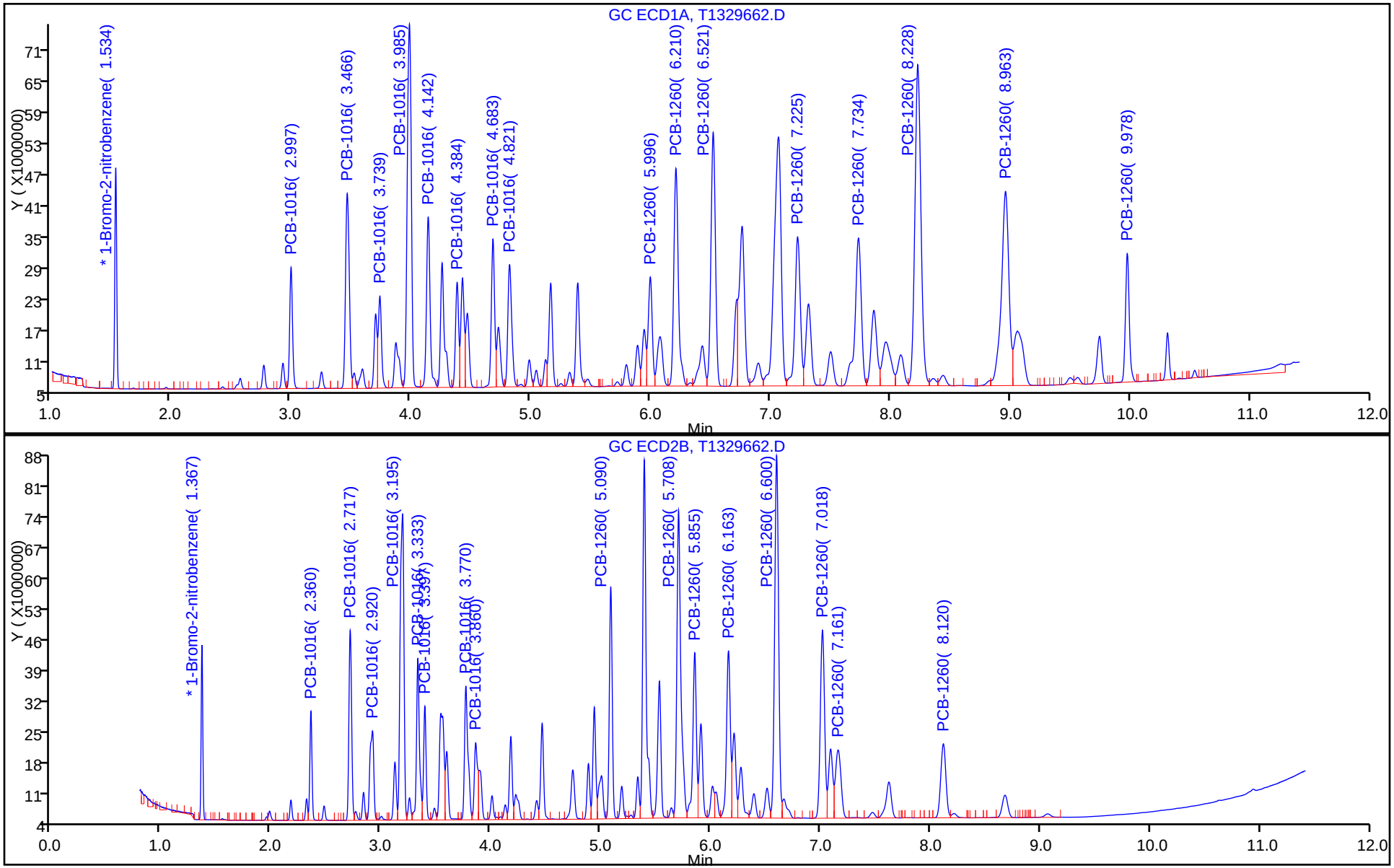
SGPCBICV_00018	Amount Added: 1.00	Units: mL	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 19-Jun-2016 09:11:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329662.D

Injection Date:	17-Jun-2016 18:02:22	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 19-Jun-2016 09:11:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329662.D

Injection Date: 17-Jun-2016 18:02:22 Instrument ID: CPESTGC11

Lims ID: ICV

Client ID:

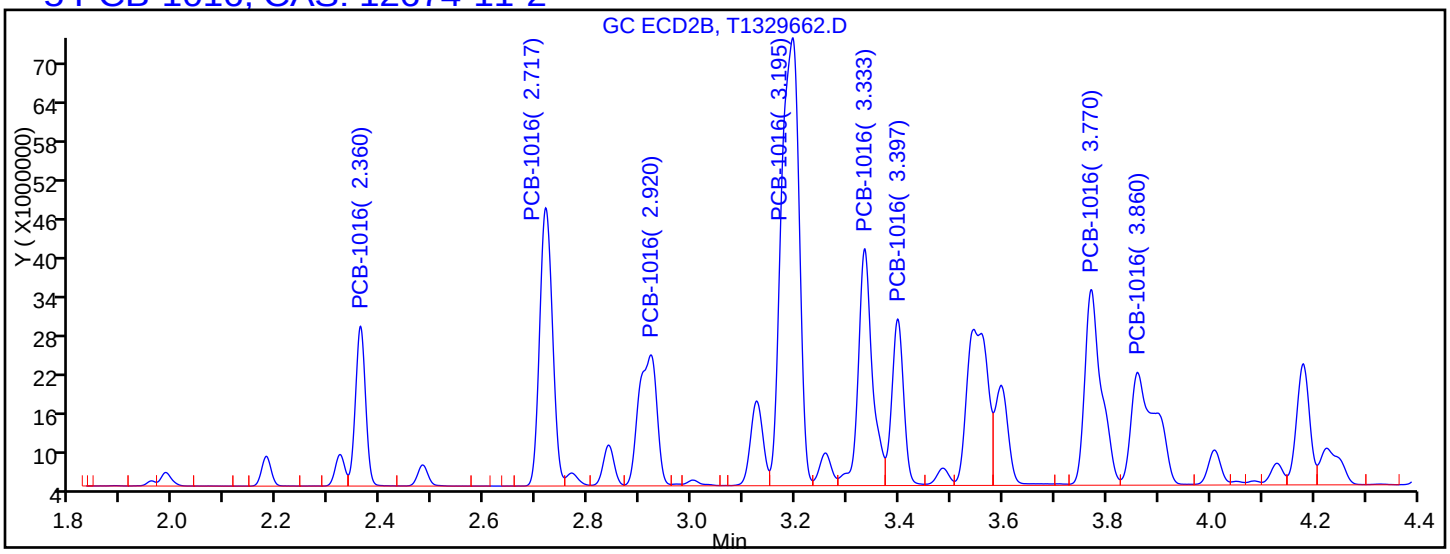
Operator ID: ALS Bottle#: 8 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

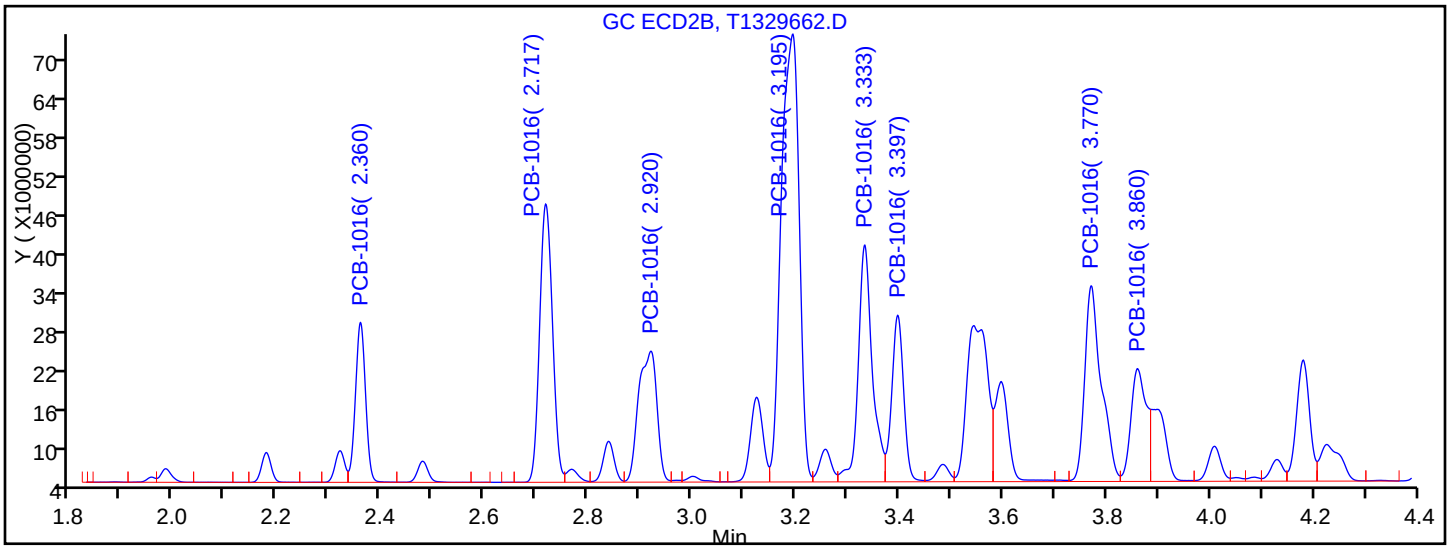
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.360 Response = 33815992
RT = 2.717 Response = 74744319
RT = 2.920 Response = 49986897
RT = 3.195 Response = 166914488
RT = 3.333 Response = 69786287
RT = 3.397 Response = 41293237
RT = 3.770 Response = 67501609
RT = 3.860 Response = 58436254 M



Manual Integration Results

RT = 2.360 Response = 33815992
RT = 2.717 Response = 74744319
RT = 2.920 Response = 49986897
RT = 3.195 Response = 166914488
RT = 3.333 Response = 69786287
RT = 3.397 Response = 41293237

Report Date: 19-Jun-2016 09:11:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329662.D

Injection Date: 17-Jun-2016 18:02:22 Instrument ID: CPESTGC11

Lims ID: ICV

Client ID:

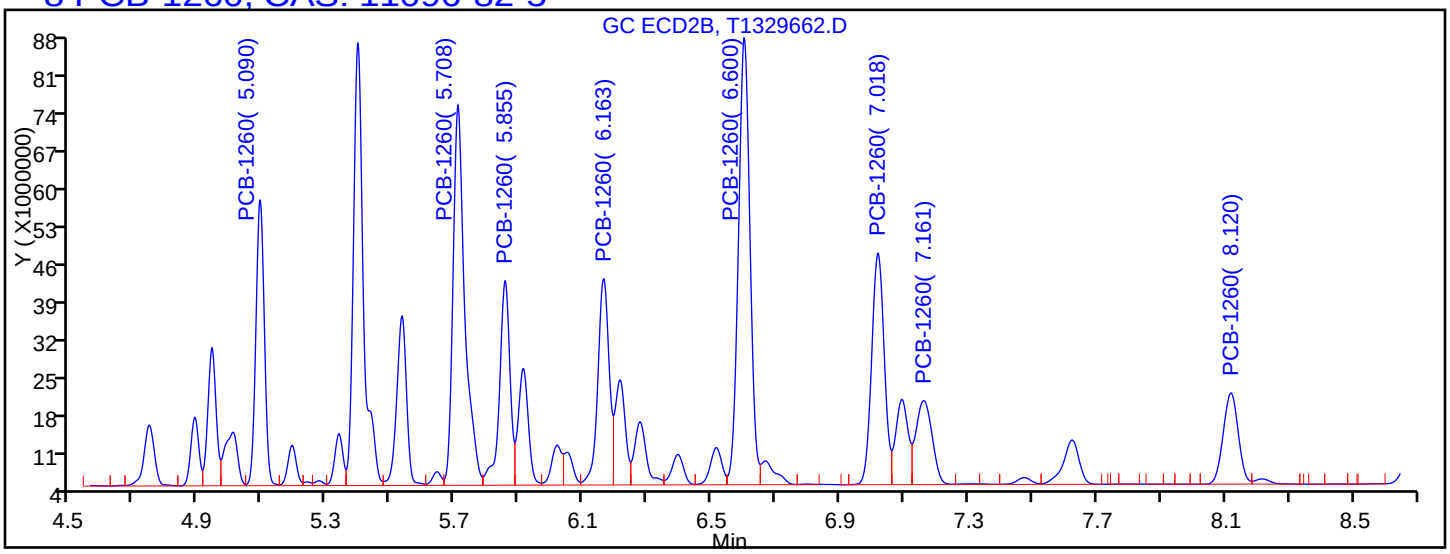
Operator ID: ALS Bottle#: 8 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

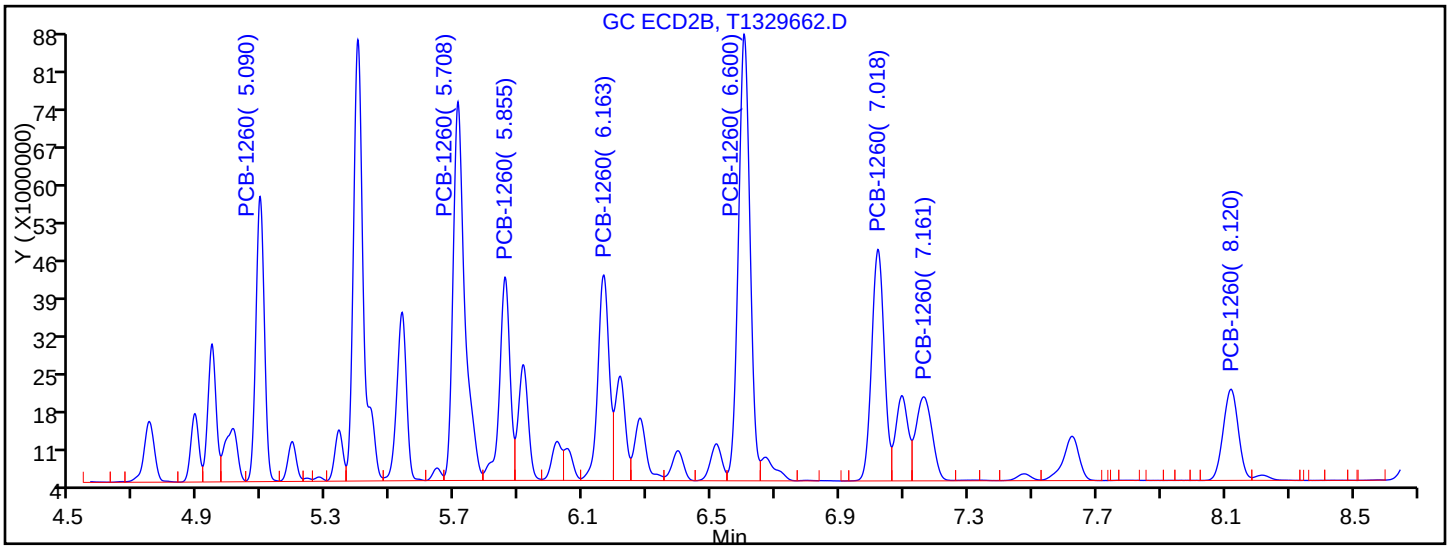
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.090	Response = 96977570	M
RT = 5.708	Response = 179941623	M
RT = 5.855	Response = 86524524	M
RT = 6.163	Response = 93463860	M
RT = 6.600	Response = 207722941	M
RT = 7.018	Response = 116967266	
RT = 7.161	Response = 54307419	
RT = 8.120	Response = 55167402	



Manual Integration Results

RT = 5.090	Response = 96592775	M
RT = 5.708	Response = 177512496	M
RT = 5.855	Response = 85359198	M
RT = 6.163	Response = 92577897	M
RT = 6.600	Response = 207530422	M
RT = 7.018	Response = 116967266	

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386327/2 Calibration Date: 08/23/2016 14:15

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1332069.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0164	0.0158		962	1000	-3.8	20.0
PCB-1016 Peak 2	Ave	0.0323	0.0309		956	1000	-4.4	20.0
PCB-1016 Peak 3	Ave	0.0141	0.0128		910	1000	-9.0	20.0
PCB-1016 Peak 4	Ave	0.0660	0.0629		953	1000	-4.7	20.0
PCB-1016 Peak 5	Ave	0.0278	0.0265		951	1000	-4.9	20.0
PCB-1016 Peak 6	Ave	0.0143	0.0140		981	1000	-1.9	20.0
PCB-1016 Peak 7	Ave	0.0222	0.0213		959	1000	-4.1	20.0
PCB-1016 Peak 8	Ave	0.0246	0.0243		988	1000	-1.2	20.0
PCB-1260 Peak 1	Ave	0.0211	0.0208		983	1000	-1.7	20.0
PCB-1260 Peak 2	Ave	0.0445	0.0427		959	1000	-4.1	20.0
PCB-1260 Peak 3	Ave	0.0520	0.0493		948	1000	-5.2	20.0
PCB-1260 Peak 4	Ave	0.0418	0.0405		969	1000	-3.1	20.0
PCB-1260 Peak 5	Ave	0.0461	0.0443		961	1000	-3.9	20.0
PCB-1260 Peak 6	Ave	0.0968	0.0928		959	1000	-4.1	20.0
PCB-1260 Peak 7	Ave	0.0725	0.0693		956	1000	-4.4	20.0
PCB-1260 Peak 8	Ave	0.0268	0.0264		984	1000	-1.6	20.0
Tetrachloro-m-xylene	Ave	0.8815	0.8817		100	100	0.0	20.0
DCB Decachlorobiphenyl	Ave	0.7153	0.6976		97.5	100	-2.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386327/2 Calibration Date: 08/23/2016 14:15

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1332069.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.97	2.94	3.00
PCB-1016 Peak 2	3.43	3.40	3.46
PCB-1016 Peak 3	3.70	3.67	3.73
PCB-1016 Peak 4	3.95	3.92	3.98
PCB-1016 Peak 5	4.11	4.08	4.14
PCB-1016 Peak 6	4.35	4.32	4.38
PCB-1016 Peak 7	4.65	4.62	4.68
PCB-1016 Peak 8	4.79	4.76	4.82
PCB-1260 Peak 1	5.95	5.92	5.98
PCB-1260 Peak 2	6.16	6.13	6.19
PCB-1260 Peak 3	6.47	6.44	6.50
PCB-1260 Peak 4	7.17	7.14	7.20
PCB-1260 Peak 5	7.67	7.64	7.70
PCB-1260 Peak 6	8.16	8.13	8.19
PCB-1260 Peak 7	8.89	8.86	8.92
PCB-1260 Peak 8	9.94	9.91	9.97
Tetrachloro-m-xylene	2.40	2.37	2.43
DCB Decachlorobiphenyl	10.51	10.48	10.54

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332069.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 14:15:10 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-002
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:36:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.516	1.516	0.000	40354504	20.0	20.0	M
2	1.347	1.347	0.000	42475927	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.401	2.401	0.000	177892353	100.0	100.0	
2	1.969	1.969	0.000	206706866	100.0	108.4	
						RPD = 8.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.968	2.968	0.000	31920676	1000.0	962.2	
1	3.434	3.434	0.000	62365605	1000.0	955.6	
1	3.704	3.704	0.000	25867819	1000.0	910.2	
1	3.952	3.952	0.000	126933975	1000.0	953.1	
1	4.108	4.108	0.000	53423571	1000.0	951.5	
1	4.349	4.349	0.000	28310439	1000.0	980.8	
1	4.646	4.646	0.000	42983700	1000.0	958.9	
1	4.785	4.785	0.000	48958577	1000.0	987.6	
		Average of Peak Amounts =				957.5	
2	2.325	2.325	0.000	36708500	1000.0	1041.6	
2	2.679	2.679	0.000	72306417	1000.0	1050.4	
2	2.880	2.880	0.000	48291415	1000.0	1050.8	
2	3.154	3.154	0.000	158713828	1000.0	1037.6	
2	3.292	3.292	0.000	65565032	1000.0	1037.7	
2	3.355	3.355	0.000	39375046	1000.0	1009.1	
2	3.726	3.726	0.000	64500918	1000.0	1007.1	
2	3.818	3.818	0.000	42706087	1000.0	1194.9	
		Average of Peak Amounts =				1053.6	
						RPD = 9.56	
8 PCB-1260							
1	5.951	5.951	0.000	41947623	1000.0	983.0	
1	6.163	6.163	0.000	86057574	1000.0	958.9	
1	6.471	6.471	0.000	99418303	1000.0	947.9	
1	7.169	7.169	0.000	81708884	1000.0	968.8	
1	7.670	7.670	0.000	89344792	1000.0	960.8	
1	8.160	8.160	0.000	187313521	1000.0	959.3	
1	8.889	8.889	0.000	139728400	1000.0	955.6	
1	9.939	9.939	0.000	53242193	1000.0	984.1	
		Average of Peak Amounts =				964.8	
2	5.042	5.042	0.000	96428784	1000.0	1046.2	
2	5.657	5.657	0.000	165949081	1000.0	1042.3	
2	5.801	5.801	0.000	96956881	1000.0	998.9	
2	6.105	6.105	0.000	100035039	1000.0	1015.0	
2	6.539	6.539	0.000	247625701	1000.0	1133.4	
2	6.953	6.953	0.000	111951816	1000.0	995.5	
2	7.093	7.093	0.000	72311658	1000.0	1127.9	
2	8.045	8.045	0.000	72076768	1000.0	1142.2	
		Average of Peak Amounts =				1062.7	
						RPD = 9.66	
$ 11 DCB Decachlorobiphenyl							
1	10.514	10.514	0.000	140761013	100.0	97.5	
2	8.983	8.983	0.000	219870255	100.0	107.5	
						RPD = 9.78	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

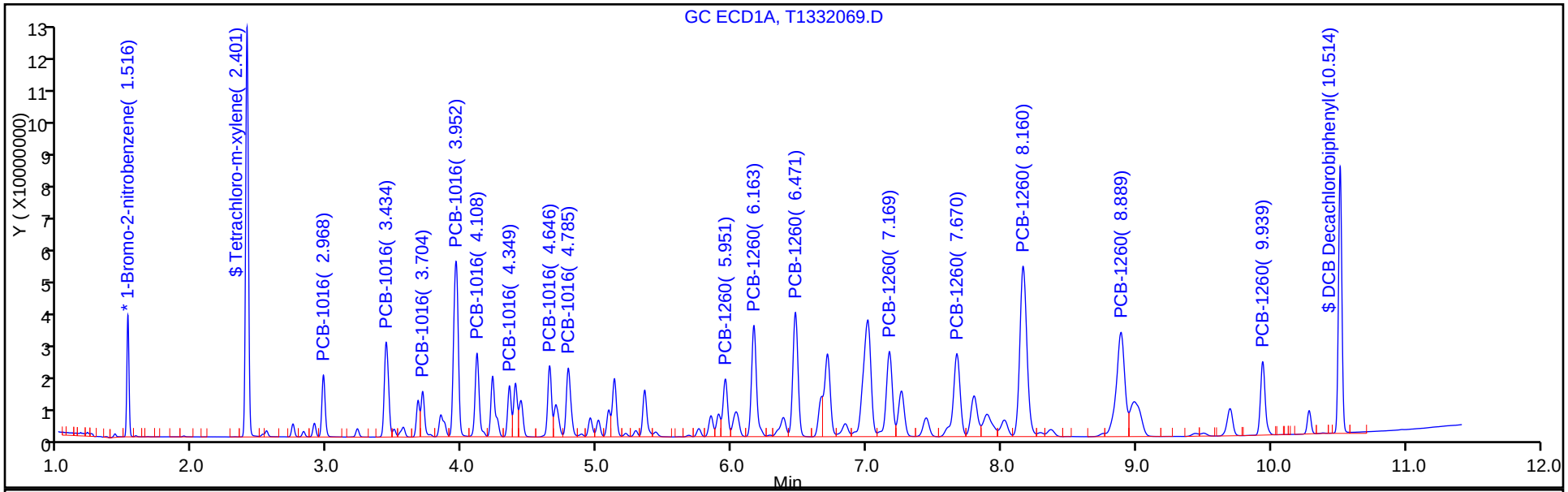
SG1660L3_00029	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

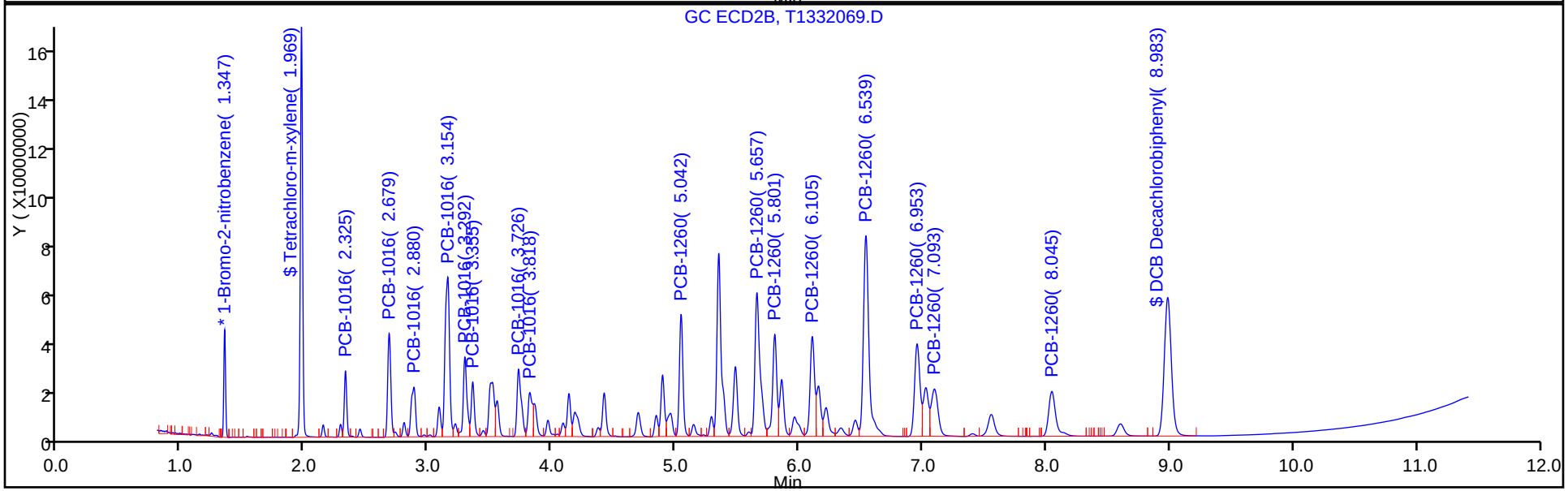
Report Date: 24-Aug-2016 11:36:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332069.D

Injection Date:	23-Aug-2016 14:15:10	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

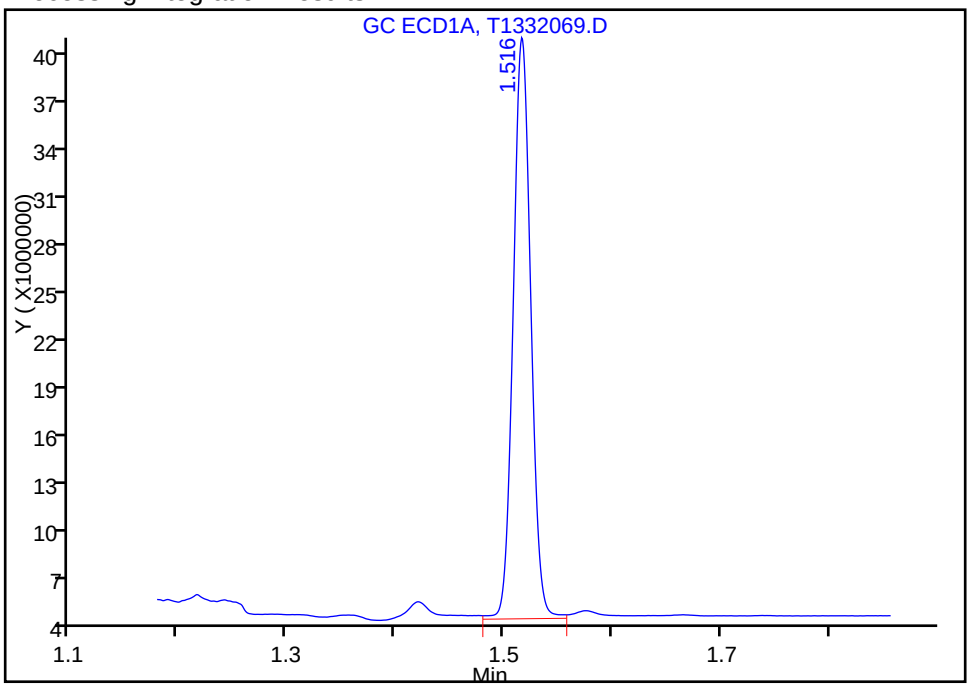
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332069.D				
Injection Date:	23-Aug-2016 14:15:10	Instrument ID:	CPESTGC11		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

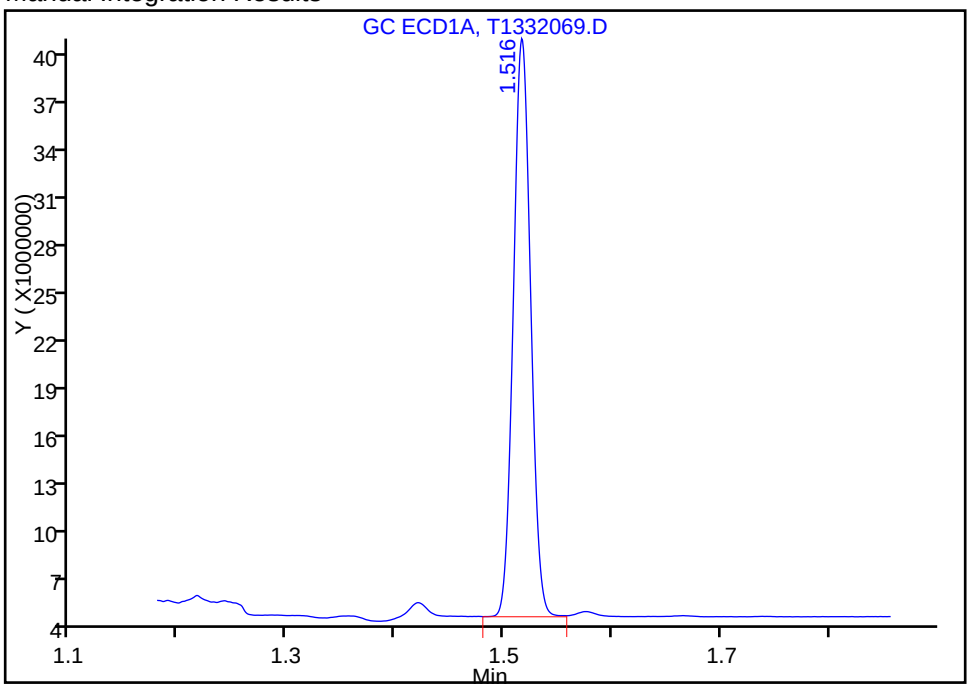
Processing Integration Results

RT: 1.52
Area: 41186196
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.52
Area: 40354504
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:36:07

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386327/2 Calibration Date: 08/23/2016 14:15

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1332069.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0166	0.0173		1040	1000	4.2	20.0
PCB-1016 Peak 2	Ave	0.0324	0.0341		1050	1000	5.0	20.0
PCB-1016 Peak 3	Ave	0.0216	0.0227		1050	1000	5.1	20.0
PCB-1016 Peak 4	Ave	0.0720	0.0747		1040	1000	3.8	20.0
PCB-1016 Peak 5	Ave	0.0297	0.0309		1040	1000	3.8	20.0
PCB-1016 Peak 6	Ave	0.0184	0.0185		1010	1000	0.9	20.0
PCB-1016 Peak 7	Ave	0.0302	0.0304		1010	1000	0.7	20.0
PCB-1016 Peak 8	Ave	0.0168	0.0201		1190	1000	19.5	20.0
PCB-1260 Peak 1	Ave	0.0434	0.0454		1050	1000	4.6	20.0
PCB-1260 Peak 2	Ave	0.0750	0.0781		1040	1000	4.2	20.0
PCB-1260 Peak 3	Ave	0.0457	0.0457		999	1000	-0.1	20.0
PCB-1260 Peak 4	Ave	0.0464	0.0471		1020	1000	1.5	20.0
PCB-1260 Peak 5	Ave	0.1029	0.1166		1130	1000	13.3	20.0
PCB-1260 Peak 6	Ave	0.0530	0.0527		995	1000	-0.5	20.0
PCB-1260 Peak 7	Ave	0.0302	0.0341		1130	1000	12.8	20.0
PCB-1260 Peak 8	Ave	0.0297	0.0339		1140	1000	14.2	20.0
Tetrachloro-m-xylene	Ave	0.8978	0.9733		108	100	8.4	20.0
DCB Decachlorobiphenyl	Ave	0.9626	1.035		108	100	7.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386327/2 Calibration Date: 08/23/2016 14:15

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1332069.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.33	2.30	2.36
PCB-1016 Peak 2	2.68	2.65	2.71
PCB-1016 Peak 3	2.88	2.85	2.91
PCB-1016 Peak 4	3.15	3.12	3.18
PCB-1016 Peak 5	3.29	3.26	3.32
PCB-1016 Peak 6	3.36	3.33	3.39
PCB-1016 Peak 7	3.73	3.70	3.76
PCB-1016 Peak 8	3.82	3.79	3.85
PCB-1260 Peak 1	5.04	5.01	5.07
PCB-1260 Peak 2	5.66	5.63	5.69
PCB-1260 Peak 3	5.80	5.77	5.83
PCB-1260 Peak 4	6.11	6.08	6.14
PCB-1260 Peak 5	6.54	6.51	6.57
PCB-1260 Peak 6	6.95	6.92	6.98
PCB-1260 Peak 7	7.09	7.06	7.12
PCB-1260 Peak 8	8.05	8.02	8.08
Tetrachloro-m-xylene	1.97	1.94	2.00
DCB Decachlorobiphenyl	8.98	8.88	9.08

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332069.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 14:15:10 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-002
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:36:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.516	1.516	0.000	40354504	20.0	20.0	M
2	1.347	1.347	0.000	42475927	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.401	2.401	0.000	177892353	100.0	100.0	
2	1.969	1.969	0.000	206706866	100.0	108.4	
						RPD = 8.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.968	2.968	0.000	31920676	1000.0	962.2	
1	3.434	3.434	0.000	62365605	1000.0	955.6	
1	3.704	3.704	0.000	25867819	1000.0	910.2	
1	3.952	3.952	0.000	126933975	1000.0	953.1	
1	4.108	4.108	0.000	53423571	1000.0	951.5	
1	4.349	4.349	0.000	28310439	1000.0	980.8	
1	4.646	4.646	0.000	42983700	1000.0	958.9	
1	4.785	4.785	0.000	48958577	1000.0	987.6	
		Average of Peak Amounts =				957.5	
2	2.325	2.325	0.000	36708500	1000.0	1041.6	
2	2.679	2.679	0.000	72306417	1000.0	1050.4	
2	2.880	2.880	0.000	48291415	1000.0	1050.8	
2	3.154	3.154	0.000	158713828	1000.0	1037.6	
2	3.292	3.292	0.000	65565032	1000.0	1037.7	
2	3.355	3.355	0.000	39375046	1000.0	1009.1	
2	3.726	3.726	0.000	64500918	1000.0	1007.1	
2	3.818	3.818	0.000	42706087	1000.0	1194.9	
		Average of Peak Amounts =				1053.6	
						RPD = 9.56	
8 PCB-1260							
1	5.951	5.951	0.000	41947623	1000.0	983.0	
1	6.163	6.163	0.000	86057574	1000.0	958.9	
1	6.471	6.471	0.000	99418303	1000.0	947.9	
1	7.169	7.169	0.000	81708884	1000.0	968.8	
1	7.670	7.670	0.000	89344792	1000.0	960.8	
1	8.160	8.160	0.000	187313521	1000.0	959.3	
1	8.889	8.889	0.000	139728400	1000.0	955.6	
1	9.939	9.939	0.000	53242193	1000.0	984.1	
		Average of Peak Amounts =				964.8	
2	5.042	5.042	0.000	96428784	1000.0	1046.2	
2	5.657	5.657	0.000	165949081	1000.0	1042.3	
2	5.801	5.801	0.000	96956881	1000.0	998.9	
2	6.105	6.105	0.000	100035039	1000.0	1015.0	
2	6.539	6.539	0.000	247625701	1000.0	1133.4	
2	6.953	6.953	0.000	111951816	1000.0	995.5	
2	7.093	7.093	0.000	72311658	1000.0	1127.9	
2	8.045	8.045	0.000	72076768	1000.0	1142.2	
		Average of Peak Amounts =				1062.7	
						RPD = 9.66	
$ 11 DCB Decachlorobiphenyl							
1	10.514	10.514	0.000	140761013	100.0	97.5	
2	8.983	8.983	0.000	219870255	100.0	107.5	
						RPD = 9.78	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

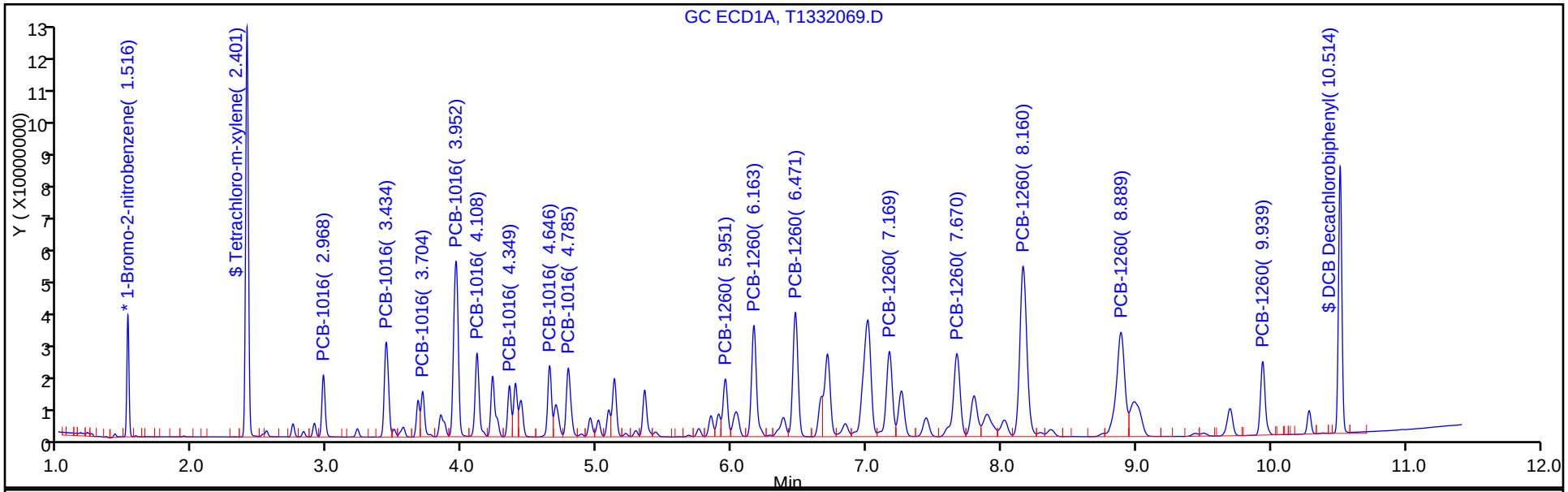
SG1660L3_00029	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

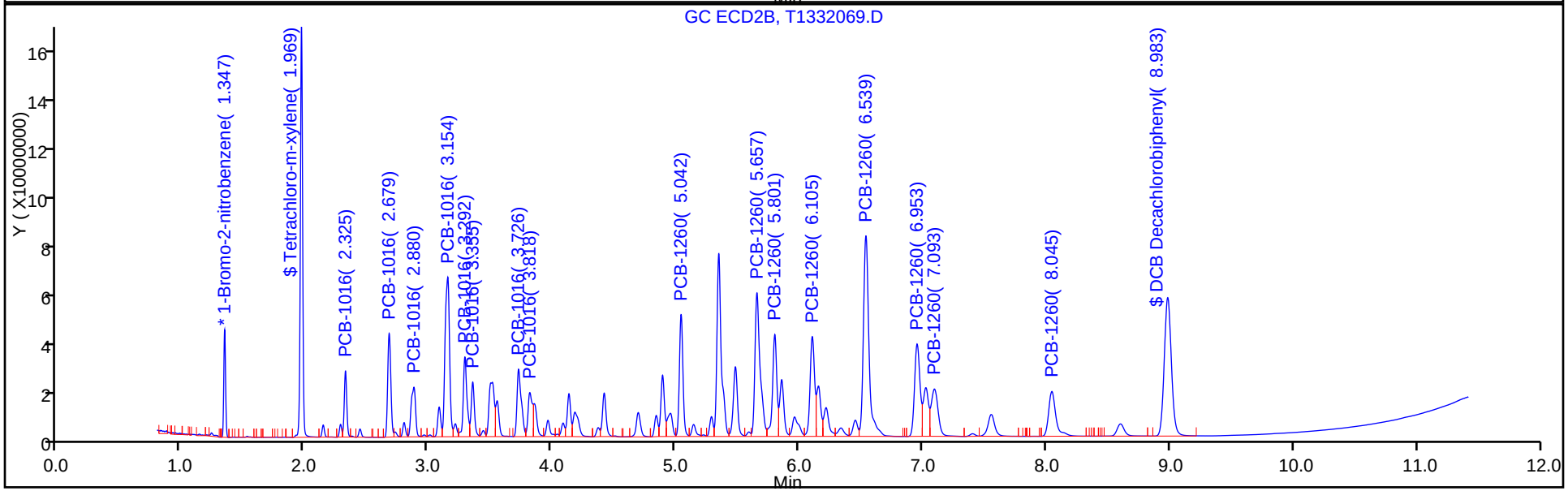
Report Date: 24-Aug-2016 11:36:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332069.D

Injection Date:	23-Aug-2016 14:15:10	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCV 460-386327/30 Calibration Date: 08/23/2016 21:21

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1332097.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Ave	0.8815	0.8400		95.3	100	-4.7	20.0
DCB Decachlorobiphenyl	Ave	0.7153	0.6625		92.6	100	-7.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCV 460-386327/30 Calibration Date: 08/23/2016 21:21

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1332097.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	2.40	2.37	2.43
DCB Decachlorobiphenyl	10.49	10.48	10.54

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D
Lims ID: CCV AR1254
Client ID:
Sample Type: CCV
Inject. Date: 23-Aug-2016 21:21:28 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-030
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:38:30 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:28:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.516	1.516	0.000	48790796	20.0	20.0	M
2	1.347	1.347	0.000	51495644	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.400	2.401	-0.001	204931400	100.0	95.3	
2	1.969	1.969	0.000	234090239	100.0	101.3	
						RPD = 6.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
7 PCB-1254							M
1	4.646	4.647	-0.001	27469278	1000.0	958.9	
1	5.125	5.127	-0.002	78575924	1000.0	976.1	
1	5.351	5.352	-0.001	90171865	1000.0	956.5	
1	5.752	5.753	-0.001	70572192	1000.0	964.9	
1	5.897	5.900	-0.003	142637922	1000.0	960.4	
1	6.207	6.210	-0.003	102347984	1000.0	967.0	
1	6.704	6.708	-0.004	87949110	1000.0	944.3	M
1	7.007	7.012	-0.005	139136776	1000.0	974.3	
		Average of Peak Amounts =				962.8	
2	3.726	3.726	0.000	31012909	1000.0	1019.2	
2	4.134	4.134	0.000	81609164	1000.0	1006.6	
2	4.419	4.418	0.001	114410299	1000.0	1009.2	
2	4.707	4.707	0.000	90651516	1000.0	1032.6	
2	4.839	4.839	0.000	154038443	1000.0	1016.4	
2	5.141	5.142	-0.001	132118105	1000.0	1114.4	
2	5.345	5.346	-0.001	109147539	1000.0	1034.5	
2	5.656	5.657	-0.001	163973565	1000.0	1031.2	
		Average of Peak Amounts =				1033.0	
						RPD = 7.04	
$ 11 DCB Decachlorobiphenyl							
1	10.492	10.514	-0.022	161618586	100.0	92.6	
2	8.977	8.983	-0.006	249064296	100.0	100.5	
						RPD = 8.16	
S 12 Polychlorinated biphenyls, Total							
1						962.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

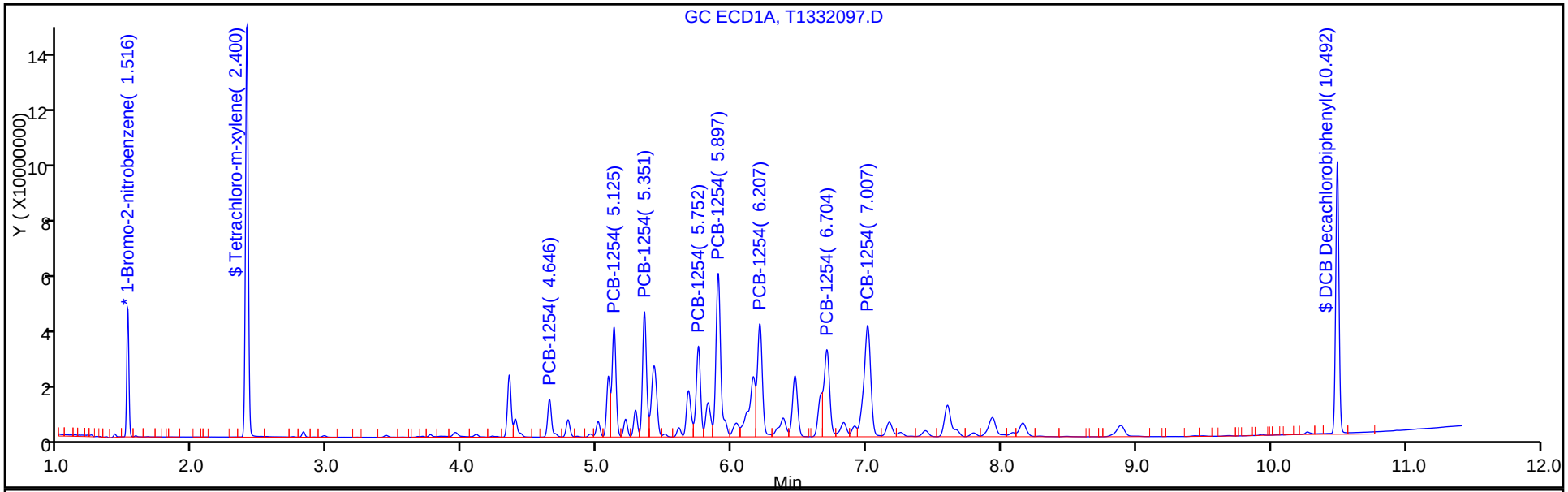
SG1254L3_00028	Amount Added: 1.00	Units: ml	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

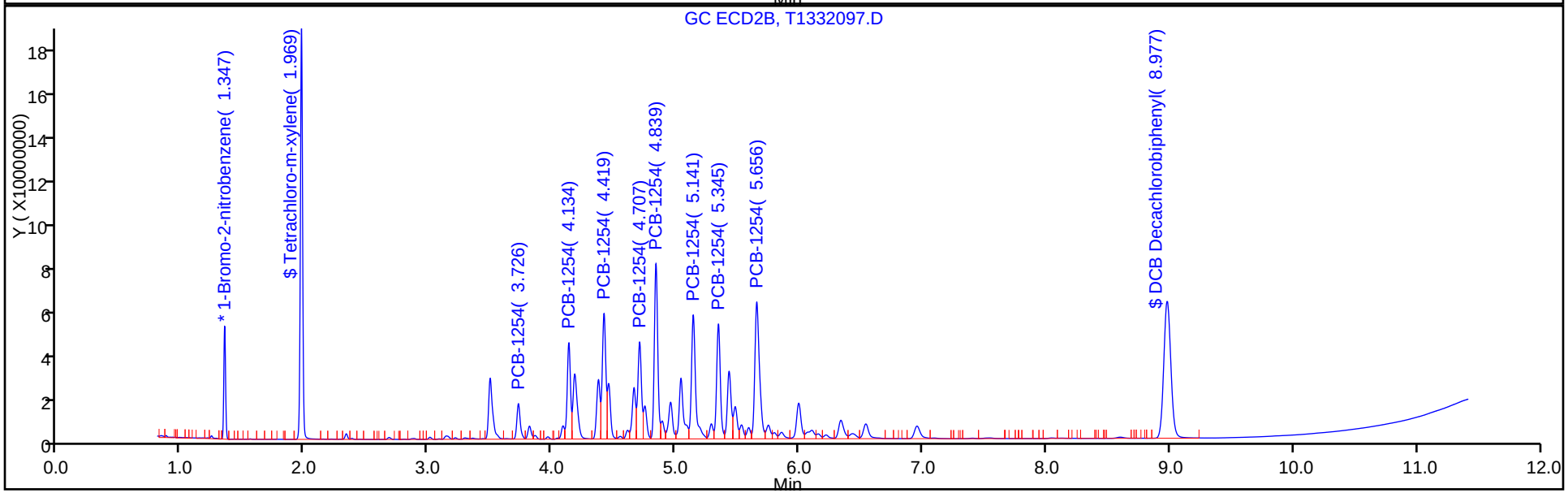
Report Date: 24-Aug-2016 11:38:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D

Injection Date:	23-Aug-2016 21:21:28	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCV AR1254			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

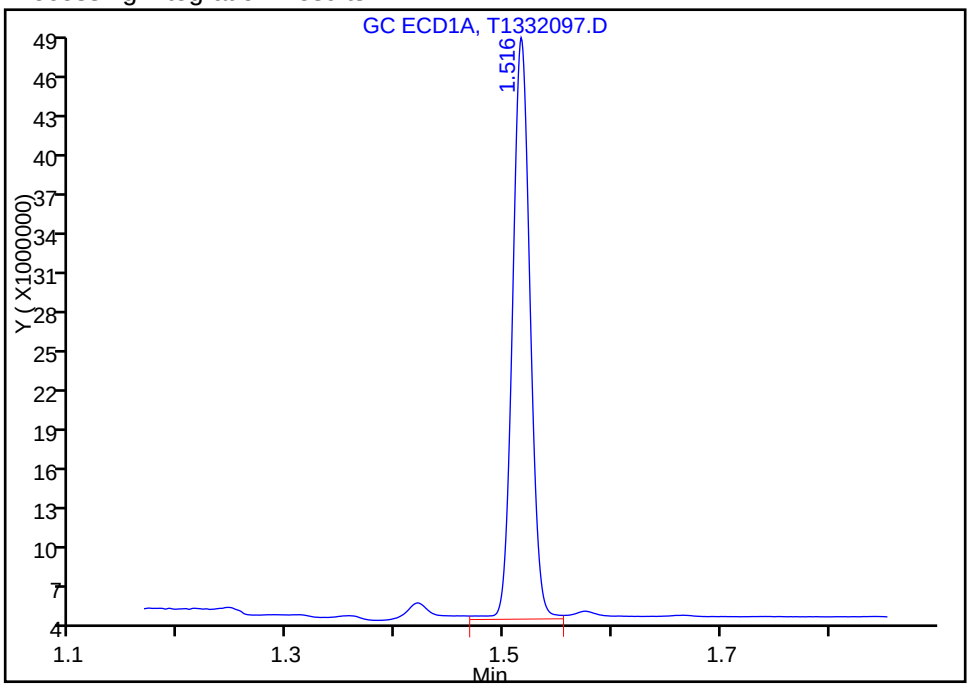
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D				
Injection Date:	23-Aug-2016 21:21:28	Instrument ID:	CPESTGC11		
Lims ID:	CCV AR1254				
Client ID:					
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

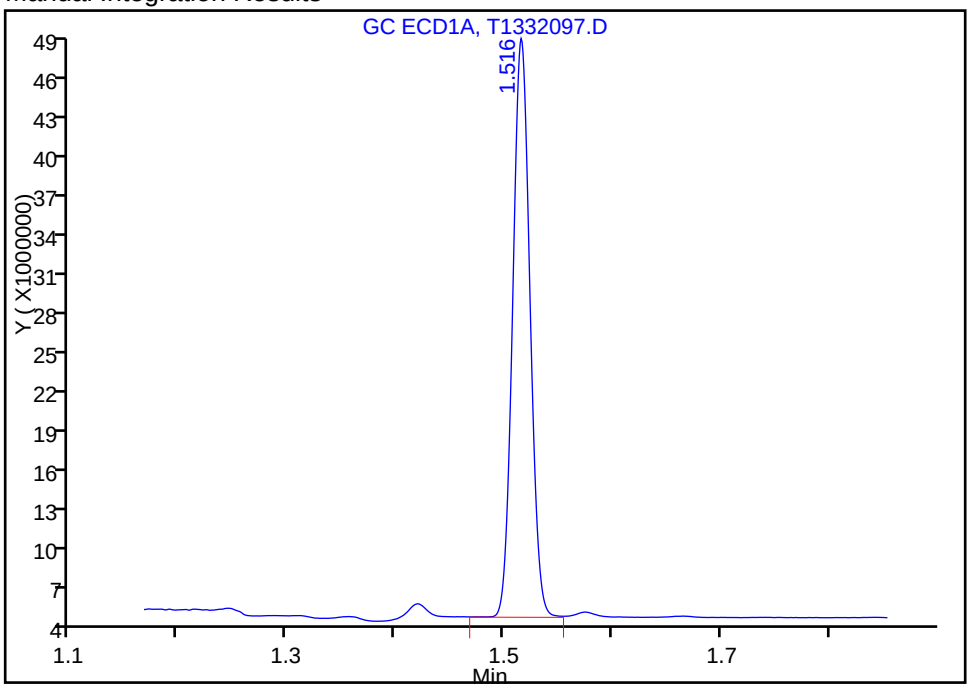
Processing Integration Results

RT: 1.52
Area: 49895114
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.52
Area: 48790796
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 11:28:17
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCV 460-386327/30 Calibration Date: 08/23/2016 21:21

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 19:14

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2016 19:14

Lab File ID: T1332097.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	0.0117	0.0113		959	1000	-4.1	20.0
PCB-1254 Peak 2	Ave	0.0330	0.0322		976	1000	-2.4	20.0
PCB-1254 Peak 3	Ave	0.0386	0.0370		956	1000	-4.4	20.0
PCB-1254 Peak 4	Ave	0.0300	0.0289		965	1000	-3.5	20.0
PCB-1254 Peak 5	Ave	0.0609	0.0585		960	1000	-4.0	20.0
PCB-1254 Peak 6	Ave	0.0434	0.0420		967	1000	-3.3	20.0
PCB-1254 Peak 7	Ave	0.0382	0.0361		944	1000	-5.6	20.0
PCB-1254 Peak 8	Ave	0.0585	0.0570		974	1000	-2.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCV 460-386327/30 Calibration Date: 08/23/2016 21:21

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 19:14

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2016 19:14

Lab File ID: T1332097.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	4.65	4.62	4.68
PCB-1254 Peak 2	5.13	5.10	5.16
PCB-1254 Peak 3	5.35	5.32	5.38
PCB-1254 Peak 4	5.75	5.72	5.78
PCB-1254 Peak 5	5.90	5.87	5.93
PCB-1254 Peak 6	6.21	6.18	6.24
PCB-1254 Peak 7	6.70	6.68	6.74
PCB-1254 Peak 8	7.01	6.98	7.04

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D
Lims ID: CCV AR1254
Client ID:
Sample Type: CCV
Inject. Date: 23-Aug-2016 21:21:28 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-030
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:38:30 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:28:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.516	1.516	0.000	48790796	20.0	20.0	M
2	1.347	1.347	0.000	51495644	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.400	2.401	-0.001	204931400	100.0	95.3	
2	1.969	1.969	0.000	234090239	100.0	101.3	
						RPD = 6.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
7 PCB-1254							M
1	4.646	4.647	-0.001	27469278	1000.0	958.9	
1	5.125	5.127	-0.002	78575924	1000.0	976.1	
1	5.351	5.352	-0.001	90171865	1000.0	956.5	
1	5.752	5.753	-0.001	70572192	1000.0	964.9	
1	5.897	5.900	-0.003	142637922	1000.0	960.4	
1	6.207	6.210	-0.003	102347984	1000.0	967.0	
1	6.704	6.708	-0.004	87949110	1000.0	944.3	M
1	7.007	7.012	-0.005	139136776	1000.0	974.3	
		Average of Peak Amounts =				962.8	
2	3.726	3.726	0.000	31012909	1000.0	1019.2	
2	4.134	4.134	0.000	81609164	1000.0	1006.6	
2	4.419	4.418	0.001	114410299	1000.0	1009.2	
2	4.707	4.707	0.000	90651516	1000.0	1032.6	
2	4.839	4.839	0.000	154038443	1000.0	1016.4	
2	5.141	5.142	-0.001	132118105	1000.0	1114.4	
2	5.345	5.346	-0.001	109147539	1000.0	1034.5	
2	5.656	5.657	-0.001	163973565	1000.0	1031.2	
		Average of Peak Amounts =				1033.0	
						RPD = 7.04	
$ 11 DCB Decachlorobiphenyl							
1	10.492	10.514	-0.022	161618586	100.0	92.6	
2	8.977	8.983	-0.006	249064296	100.0	100.5	
						RPD = 8.16	
S 12 Polychlorinated biphenyls, Total							
1						962.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

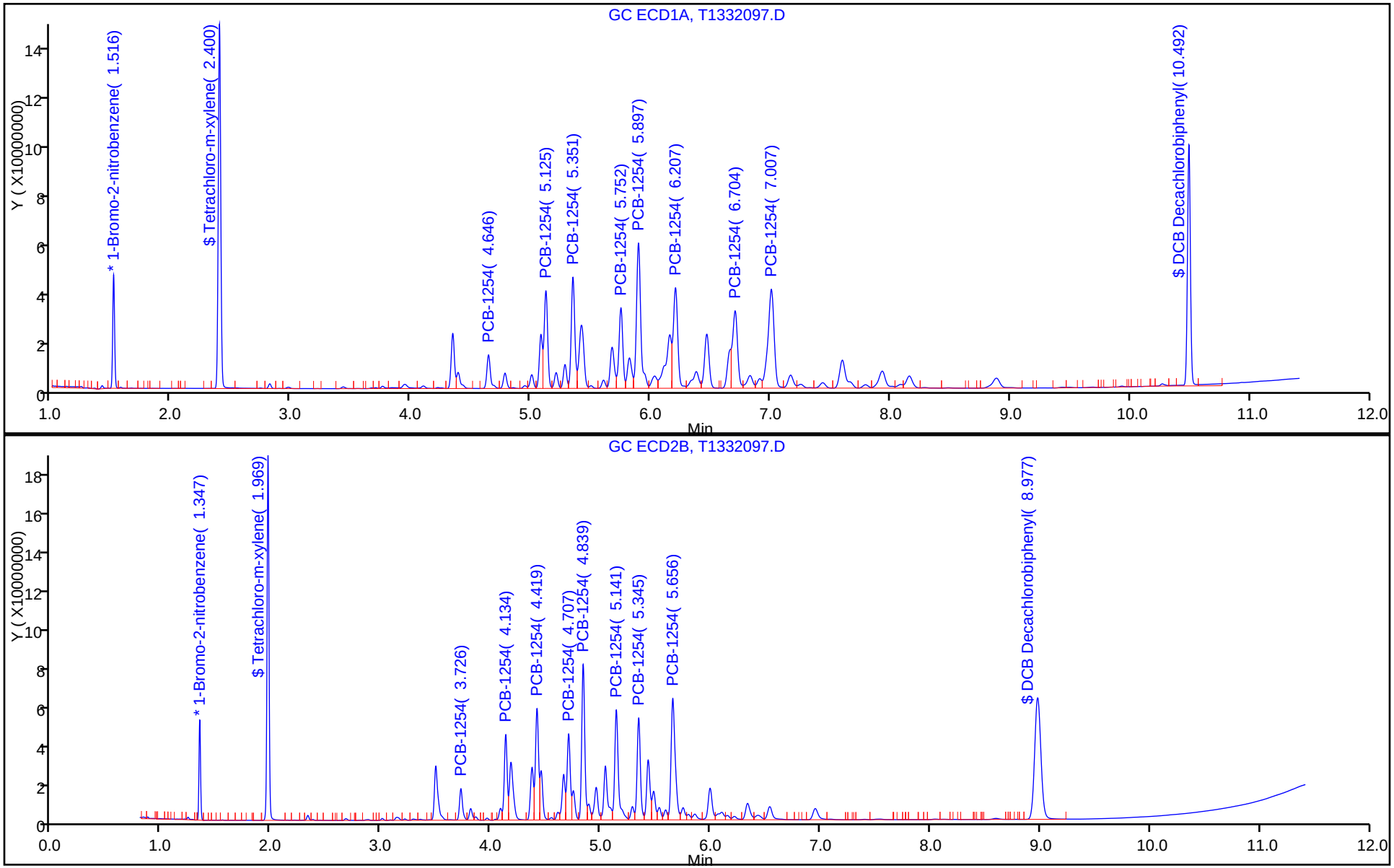
SG1254L3_00028	Amount Added: 1.00	Units: ml	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 24-Aug-2016 11:38:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D

Injection Date:	23-Aug-2016 21:21:28	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCV AR1254			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

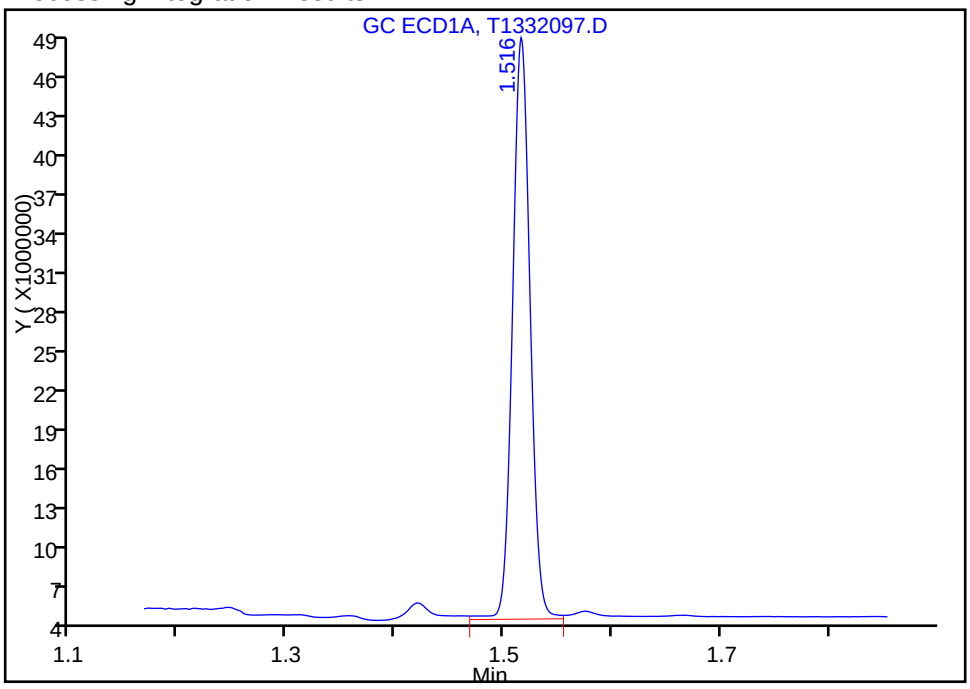
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D				
Injection Date:	23-Aug-2016 21:21:28	Instrument ID:	CPESTGC11		
Lims ID:	CCV AR1254				
Client ID:					
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

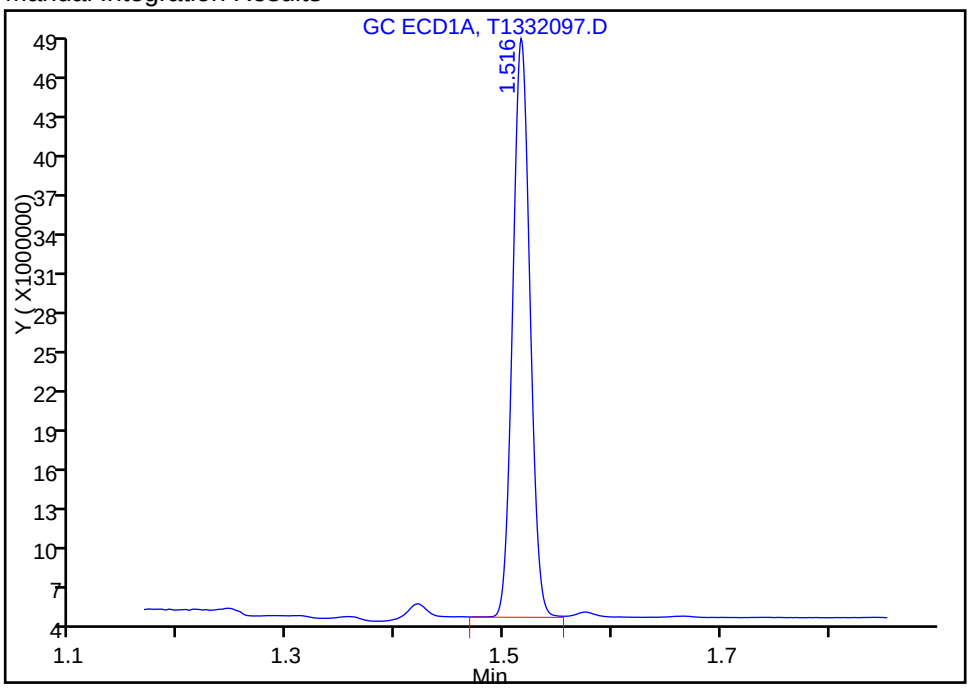
Processing Integration Results

RT: 1.52
Area: 49895114
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.52
Area: 48790796
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 11:28:17
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 24-Aug-2016 11:38:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D

Injection Date: 23-Aug-2016 21:21:28 Instrument ID: CPESTGC11

Lims ID: CCV AR1254

Client ID:

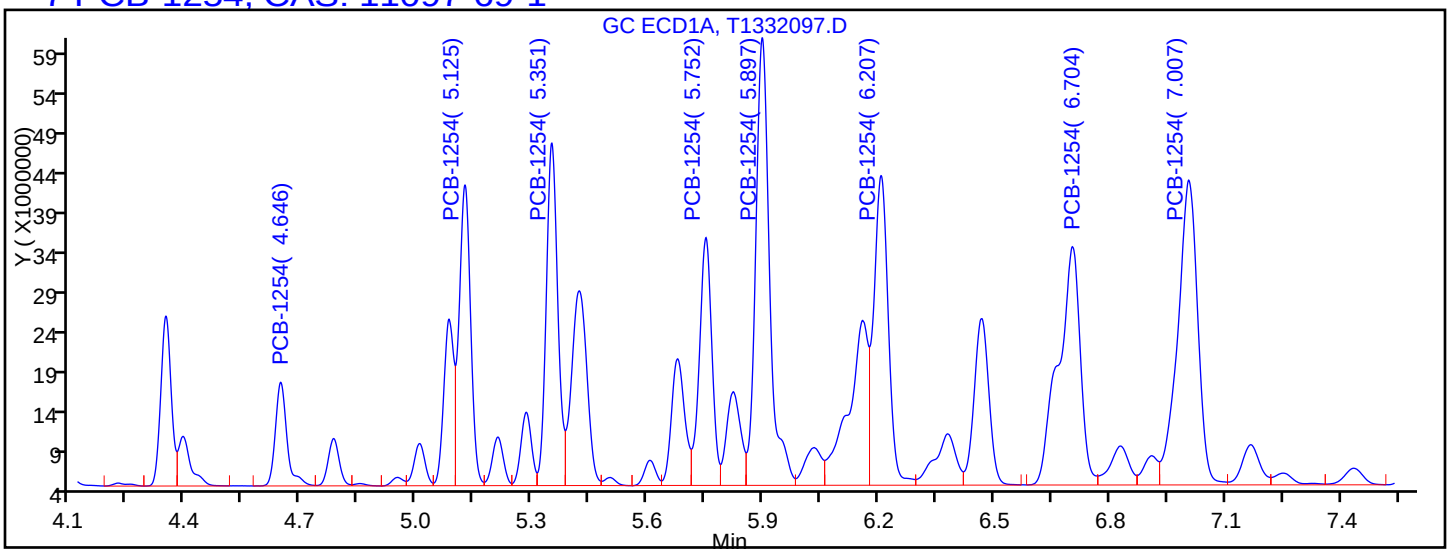
Operator ID: ALS Bottle#: 30 Worklist Smp#: 30

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

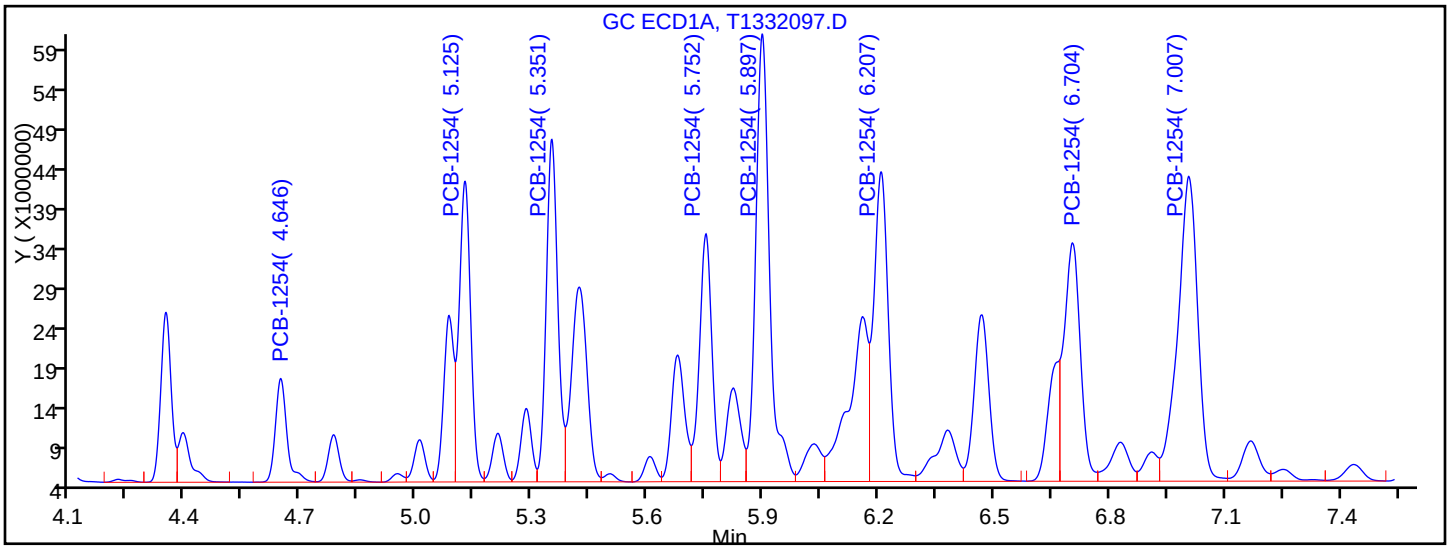
Column: Detector GC ECD1A

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 4.646	Response = 27469278	
RT = 5.125	Response = 78575924	
RT = 5.351	Response = 90171865	
RT = 5.752	Response = 70572192	
RT = 5.897	Response = 142637922	
RT = 6.207	Response = 102347984	
RT = 6.704	Response = 119323042	M
RT = 7.007	Response = 139136776	



Manual Integration Results

RT = 4.646	Response = 27469278
RT = 5.125	Response = 78575924
RT = 5.351	Response = 90171865
RT = 5.752	Response = 70572192
RT = 5.897	Response = 142637922
RT = 6.207	Response = 102347984

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCV 460-386327/30 Calibration Date: 08/23/2016 21:21

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1332097.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Ave	0.8978	0.9092		101	100	1.3	20.0
DCB Decachlorobiphenyl	Ave	0.9626	0.9673		100	100	0.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCV 460-386327/30 Calibration Date: 08/23/2016 21:21

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 16:49

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/17/2016 17:47

Lab File ID: T1332097.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	1.97	1.94	2.00
DCB Decachlorobiphenyl	8.98	8.88	9.08

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D
Lims ID: CCV AR1254
Client ID:
Sample Type: CCV
Inject. Date: 23-Aug-2016 21:21:28 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-030
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:38:30 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:28:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.516	1.516	0.000	48790796	20.0	20.0	M
2	1.347	1.347	0.000	51495644	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.400	2.401	-0.001	204931400	100.0	95.3	
2	1.969	1.969	0.000	234090239	100.0	101.3	
						RPD = 6.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
7 PCB-1254							M
1	4.646	4.647	-0.001	27469278	1000.0	958.9	
1	5.125	5.127	-0.002	78575924	1000.0	976.1	
1	5.351	5.352	-0.001	90171865	1000.0	956.5	
1	5.752	5.753	-0.001	70572192	1000.0	964.9	
1	5.897	5.900	-0.003	142637922	1000.0	960.4	
1	6.207	6.210	-0.003	102347984	1000.0	967.0	
1	6.704	6.708	-0.004	87949110	1000.0	944.3	M
1	7.007	7.012	-0.005	139136776	1000.0	974.3	
		Average of Peak Amounts =				962.8	
2	3.726	3.726	0.000	31012909	1000.0	1019.2	
2	4.134	4.134	0.000	81609164	1000.0	1006.6	
2	4.419	4.418	0.001	114410299	1000.0	1009.2	
2	4.707	4.707	0.000	90651516	1000.0	1032.6	
2	4.839	4.839	0.000	154038443	1000.0	1016.4	
2	5.141	5.142	-0.001	132118105	1000.0	1114.4	
2	5.345	5.346	-0.001	109147539	1000.0	1034.5	
2	5.656	5.657	-0.001	163973565	1000.0	1031.2	
		Average of Peak Amounts =				1033.0	
						RPD = 7.04	
$ 11 DCB Decachlorobiphenyl							
1	10.492	10.514	-0.022	161618586	100.0	92.6	
2	8.977	8.983	-0.006	249064296	100.0	100.5	
						RPD = 8.16	
S 12 Polychlorinated biphenyls, Total							
1						962.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

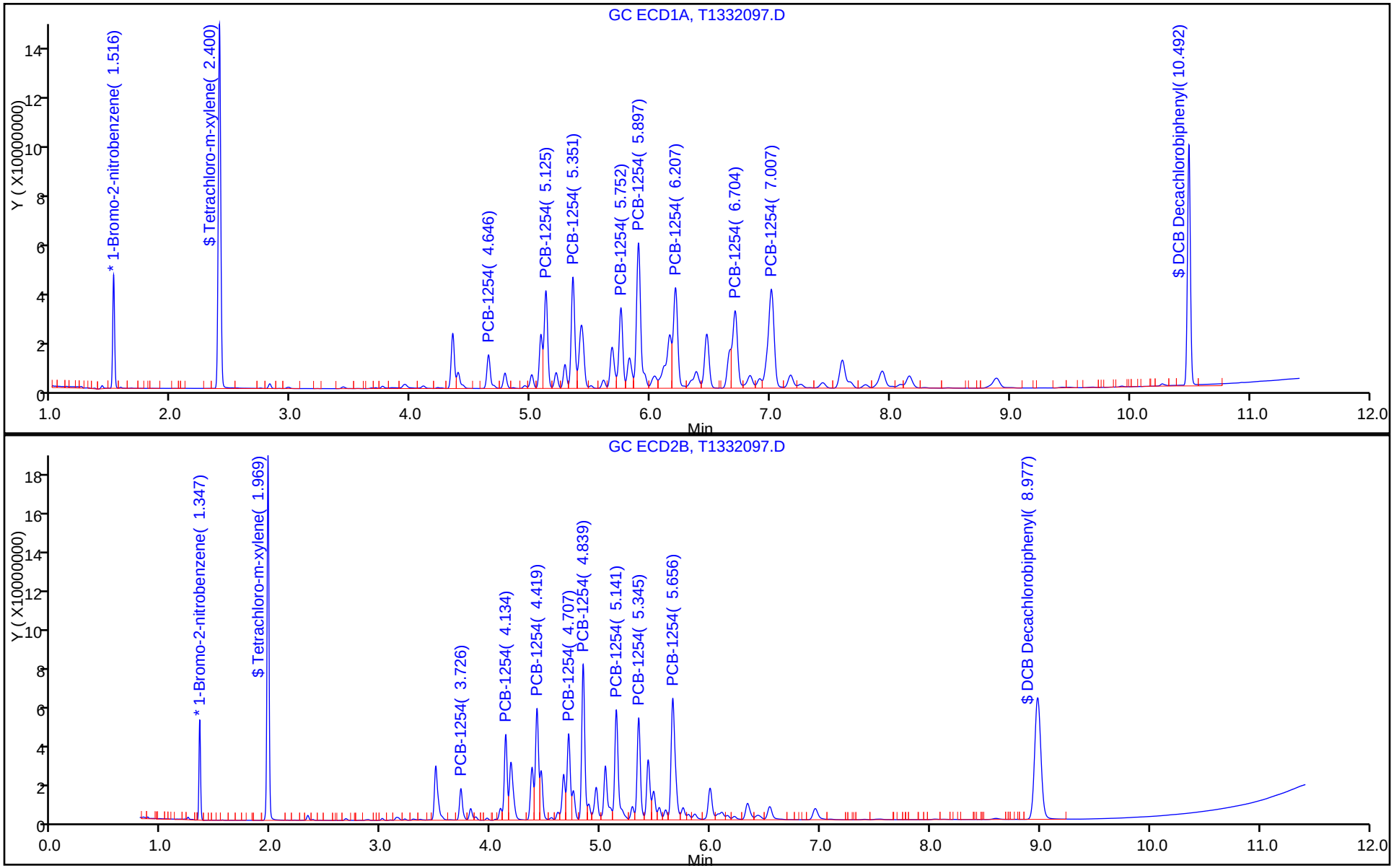
SG1254L3_00028	Amount Added: 1.00	Units: ml	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 24-Aug-2016 11:38:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D

Injection Date:	23-Aug-2016 21:21:28	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCV AR1254			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCV 460-386327/30 Calibration Date: 08/23/2016 21:21

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 19:14

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/17/2016 19:14

Lab File ID: T1332097.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	0.0118	0.0120		1020	1000	1.9	20.0
PCB-1254 Peak 2	Ave	0.0315	0.0317		1010	1000	0.7	20.0
PCB-1254 Peak 3	Ave	0.0440	0.0444		1010	1000	0.9	20.0
PCB-1254 Peak 4	Ave	0.0341	0.0352		1030	1000	3.3	20.0
PCB-1254 Peak 5	Ave	0.0589	0.0598		1020	1000	1.6	20.0
PCB-1254 Peak 6	Ave	0.0460	0.0513		1110	1000	11.4	20.0
PCB-1254 Peak 7	Ave	0.0410	0.0424		1030	1000	3.5	20.0
PCB-1254 Peak 8	Ave	0.0618	0.0637		1030	1000	3.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCV 460-386327/30 Calibration Date: 08/23/2016 21:21

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2016 19:14

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/17/2016 19:14

Lab File ID: T1332097.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	3.73	3.70	3.76
PCB-1254 Peak 2	4.13	4.10	4.16
PCB-1254 Peak 3	4.42	4.39	4.45
PCB-1254 Peak 4	4.71	4.68	4.74
PCB-1254 Peak 5	4.84	4.81	4.87
PCB-1254 Peak 6	5.14	5.11	5.17
PCB-1254 Peak 7	5.35	5.32	5.38
PCB-1254 Peak 8	5.66	5.63	5.69

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D
Lims ID: CCV AR1254
Client ID:
Sample Type: CCV
Inject. Date: 23-Aug-2016 21:21:28 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-030
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:38:30 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:28:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.516	1.516	0.000	48790796	20.0	20.0	M
2	1.347	1.347	0.000	51495644	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.400	2.401	-0.001	204931400	100.0	95.3	
2	1.969	1.969	0.000	234090239	100.0	101.3	
						RPD = 6.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
7 PCB-1254							M
1	4.646	4.647	-0.001	27469278	1000.0	958.9	
1	5.125	5.127	-0.002	78575924	1000.0	976.1	
1	5.351	5.352	-0.001	90171865	1000.0	956.5	
1	5.752	5.753	-0.001	70572192	1000.0	964.9	
1	5.897	5.900	-0.003	142637922	1000.0	960.4	
1	6.207	6.210	-0.003	102347984	1000.0	967.0	
1	6.704	6.708	-0.004	87949110	1000.0	944.3	M
1	7.007	7.012	-0.005	139136776	1000.0	974.3	
		Average of Peak Amounts =				962.8	
2	3.726	3.726	0.000	31012909	1000.0	1019.2	
2	4.134	4.134	0.000	81609164	1000.0	1006.6	
2	4.419	4.418	0.001	114410299	1000.0	1009.2	
2	4.707	4.707	0.000	90651516	1000.0	1032.6	
2	4.839	4.839	0.000	154038443	1000.0	1016.4	
2	5.141	5.142	-0.001	132118105	1000.0	1114.4	
2	5.345	5.346	-0.001	109147539	1000.0	1034.5	
2	5.656	5.657	-0.001	163973565	1000.0	1031.2	
		Average of Peak Amounts =				1033.0	
						RPD = 7.04	
$ 11 DCB Decachlorobiphenyl							
1	10.492	10.514	-0.022	161618586	100.0	92.6	
2	8.977	8.983	-0.006	249064296	100.0	100.5	
						RPD = 8.16	
S 12 Polychlorinated biphenyls, Total							
1						962.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

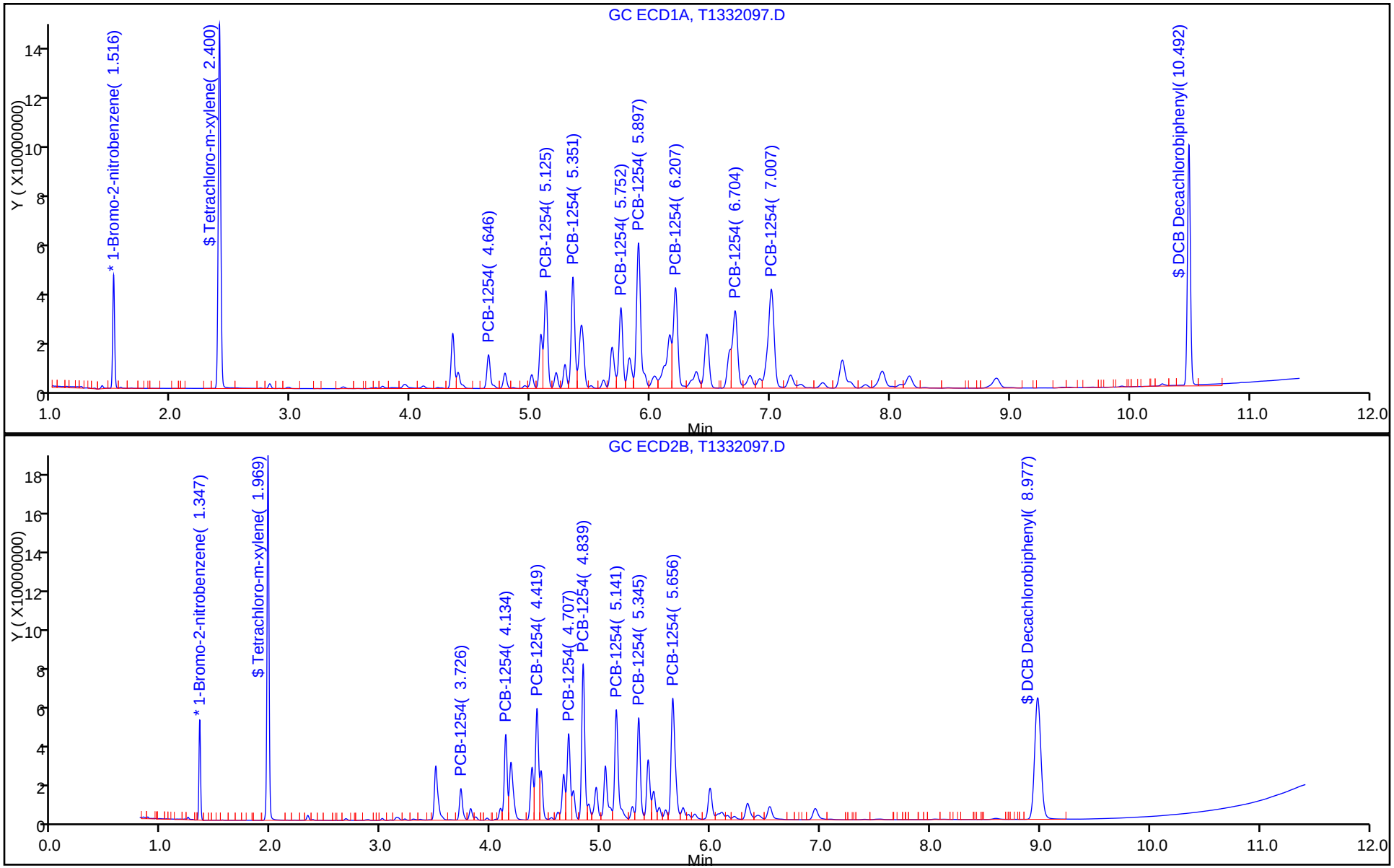
SG1254L3_00028	Amount Added: 1.00	Units: ml	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 24-Aug-2016 11:38:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332097.D

Injection Date:	23-Aug-2016 21:21:28	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCV AR1254			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-373506/7 Calibration Date: 06/14/2016 11:20

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F012082.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0190	0.0207		1080	1000	8.5	20.0
PCB-1016 Peak 2	Ave	0.0389	0.0446		1140	1000	14.5	20.0
PCB-1016 Peak 3	Ave	0.0204	0.0214		1050	1000	4.9	20.0
PCB-1016 Peak 4	Ave	0.0707	0.0819		1160	1000	15.7	20.0
PCB-1016 Peak 5	Ave	0.0312	0.0357		1150	1000	14.7	20.0
PCB-1016 Peak 6	Ave	0.0221	0.0247		1110	1000	11.4	20.0
PCB-1016 Peak 7	Ave	0.0294	0.0287		976	1000	-2.4	20.0
PCB-1016 Peak 8	Ave	0.0228	0.0210		918	1000	-8.2	20.0
PCB-1260 Peak 1	Ave	0.0257	0.0271		1050	1000	5.5	20.0
PCB-1260 Peak 2	Ave	0.0520	0.0597		1150	1000	14.7	20.0
PCB-1260 Peak 3	Ave	0.0623	0.0695		1110	1000	11.4	20.0
PCB-1260 Peak 4	Ave	0.0419	0.0398		949	1000	-5.1	20.0
PCB-1260 Peak 5	Ave	0.0407	0.0422		1040	1000	3.7	20.0
PCB-1260 Peak 6	Ave	0.1016	0.1009		993	1000	-0.7	20.0
PCB-1260 Peak 7	Ave	0.1027	0.0997		971	1000	-2.9	20.0
PCB-1260 Peak 8	Ave	0.0310	0.0280		901	1000	-9.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-373506/7 Calibration Date: 06/14/2016 11:20

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F012082.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.24	3.21	3.27
PCB-1016 Peak 2	3.76	3.73	3.79
PCB-1016 Peak 3	4.05	4.02	4.08
PCB-1016 Peak 4	4.32	4.29	4.35
PCB-1016 Peak 5	4.49	4.46	4.52
PCB-1016 Peak 6	5.09	5.06	5.12
PCB-1016 Peak 7	5.24	5.21	5.27
PCB-1016 Peak 8	5.62	5.59	5.65
PCB-1260 Peak 1	6.63	6.60	6.66
PCB-1260 Peak 2	6.89	6.86	6.92
PCB-1260 Peak 3	7.27	7.24	7.30
PCB-1260 Peak 4	8.16	8.13	8.19
PCB-1260 Peak 5	8.58	8.55	8.61
PCB-1260 Peak 6	8.89	8.86	8.92
PCB-1260 Peak 7	9.26	9.23	9.29
PCB-1260 Peak 8	9.78	9.75	9.81

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-Jun-2016 11:20:44 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-007
Operator ID: Instrument ID: CPESTGC8
Sublist:

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:37 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:45:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.647	1.644	0.003	5128169	20.0	20.0	M
2	1.384	1.382	0.002	6716796	20.0	20.0	M
						RPD = 0.00	
5 PCB-1016							M
1	3.240	3.239	0.001	5296829	1000.0	1084.8	
1	3.756	3.756	0.000	11421723	1000.0	1144.7	M
1	4.050	4.049	0.001	5479015	1000.0	1048.9	M
1	4.323	4.322	0.001	20989074	1000.0	1157.3	M
1	4.494	4.493	0.001	9162616	1000.0	1146.7	M
1	5.085	5.085	0.000	6319791	1000.0	1114.1	M
1	5.238	5.238	0.000	7367648	1000.0	976.4	M
1	5.621	5.621	0.000	5371039	1000.0	917.7	
		Average of Peak Amounts =				1073.8	
2	2.418	2.416	0.002	5077490	1000.0	922.3	M
2	2.800	2.798	0.002	10751981	1000.0	1013.8	M
2	3.013	3.012	0.001	7312407	1000.0	1023.1	
2	3.308	3.307	0.001	22656969	1000.0	1040.1	
2	3.459	3.458	0.001	8504253	1000.0	1044.3	
2	3.526	3.525	0.001	6350941	1000.0	1052.4	
2	3.932	3.931	0.001	9341682	1000.0	1039.8	
2	4.372	4.372	0.000	4927581	1000.0	1089.7	M
		Average of Peak Amounts =				1028.2	
						RPD = 4.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 PCB-1260							M
1	6.626	6.626	0.000	6943224	1000.0	1054.5	
1	6.887	6.886	0.001	15310991	1000.0	1147.2	
1	7.266	7.266	0.000	17814613	1000.0	1114.4	
1	8.155	8.155	0.000	10197639	1000.0	948.9	M
1	8.578	8.579	-0.001	10826287	1000.0	1036.6	M
1	8.887	8.886	0.001	25858783	1000.0	992.8	M
1	9.257	9.259	-0.002	25569643	1000.0	970.5	M
1	9.779	9.781	-0.002	7173627	1000.0	901.4	M
		Average of Peak Amounts =				1020.8	
2	5.362	5.363	-0.001	15416222	1000.0	992.4	
2	6.078	6.078	0.000	28140435	1000.0	1094.3	
2	6.247	6.247	0.000	12125491	1000.0	871.7	
2	6.608	6.607	0.001	13217467	1000.0	883.3	
2	7.121	7.120	0.001	32070721	1000.0	910.2	
2	7.637	7.636	0.001	17136998	1000.0	1014.1	M
2	7.817	7.816	0.001	9619989	1000.0	852.6	M
2	8.662	8.663	-0.001	7556698	1000.0	855.3	M
		Average of Peak Amounts =				934.2	
						RPD = 8.86	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

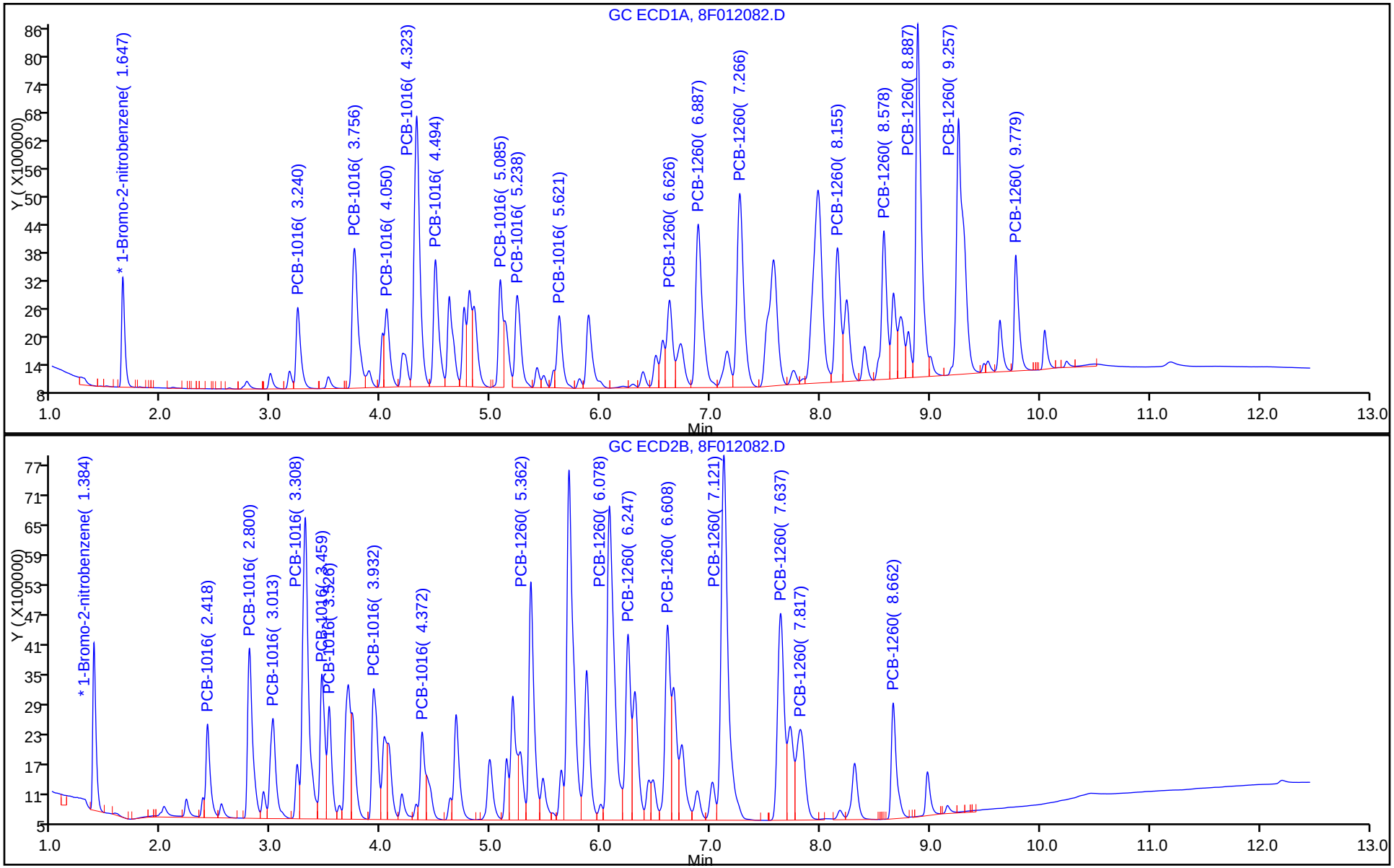
SGPCBICV_00018	Amount Added: 1.00	Units: mL	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D

Injection Date:	14-Jun-2016 11:20:44	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

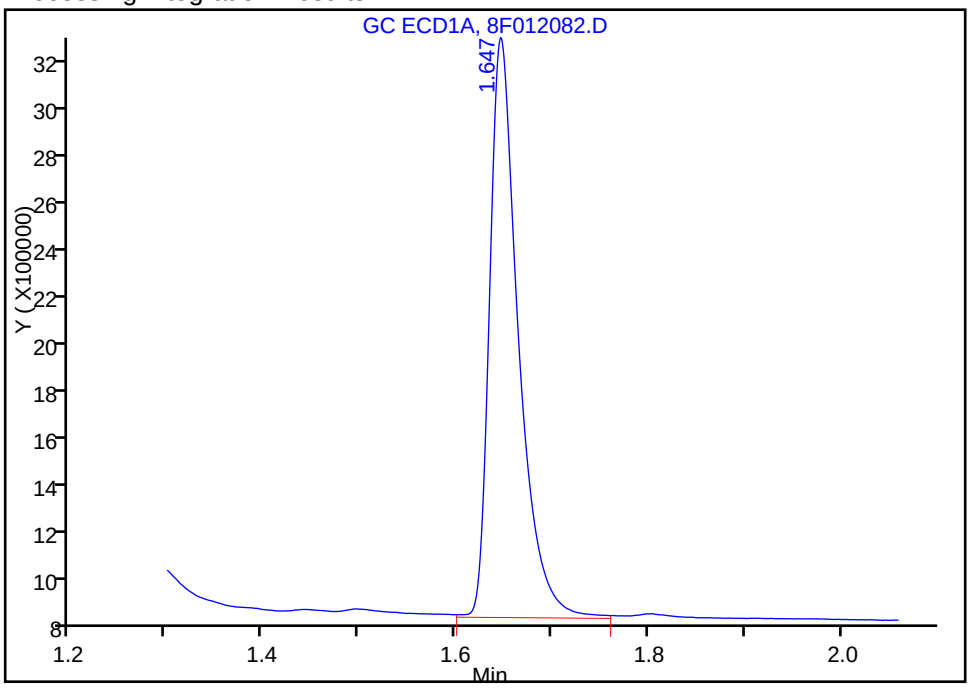
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D
Injection Date: 14-Jun-2016 11:20:44 Instrument ID: CPESTGC8
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

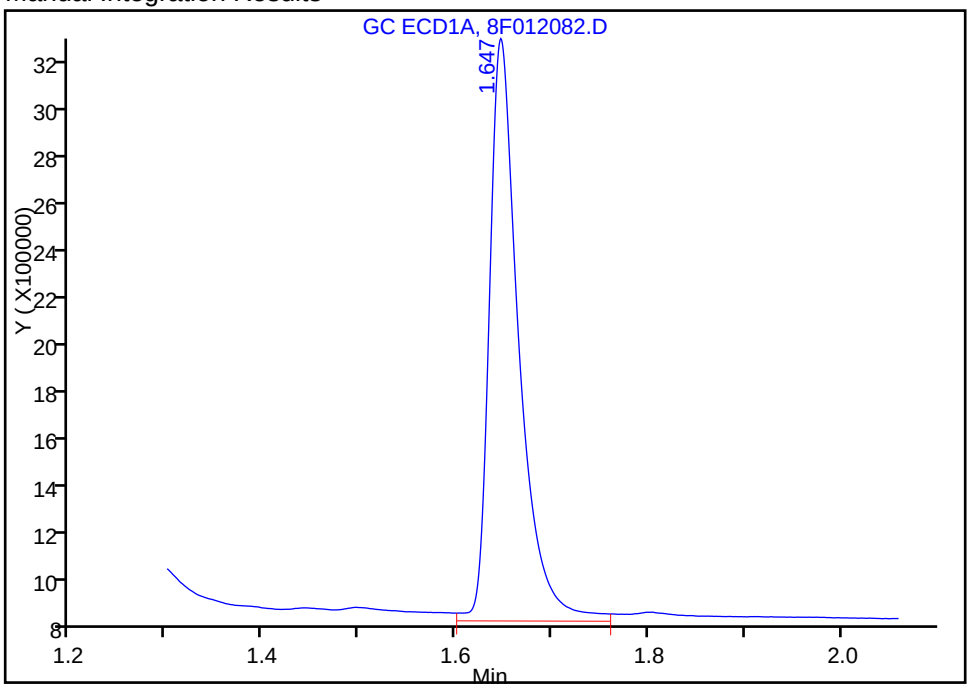
Processing Integration Results

RT: 1.65
Area: 4840078
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.65
Area: 5128169
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:52:10
Audit Action: Assigned New Baseline Audit Reason: Column bleed

Report Date: 16-Jun-2016 12:18:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D

Injection Date: 14-Jun-2016 11:20:44 Instrument ID: CPESTGC8

Lims ID: ICV

Client ID:

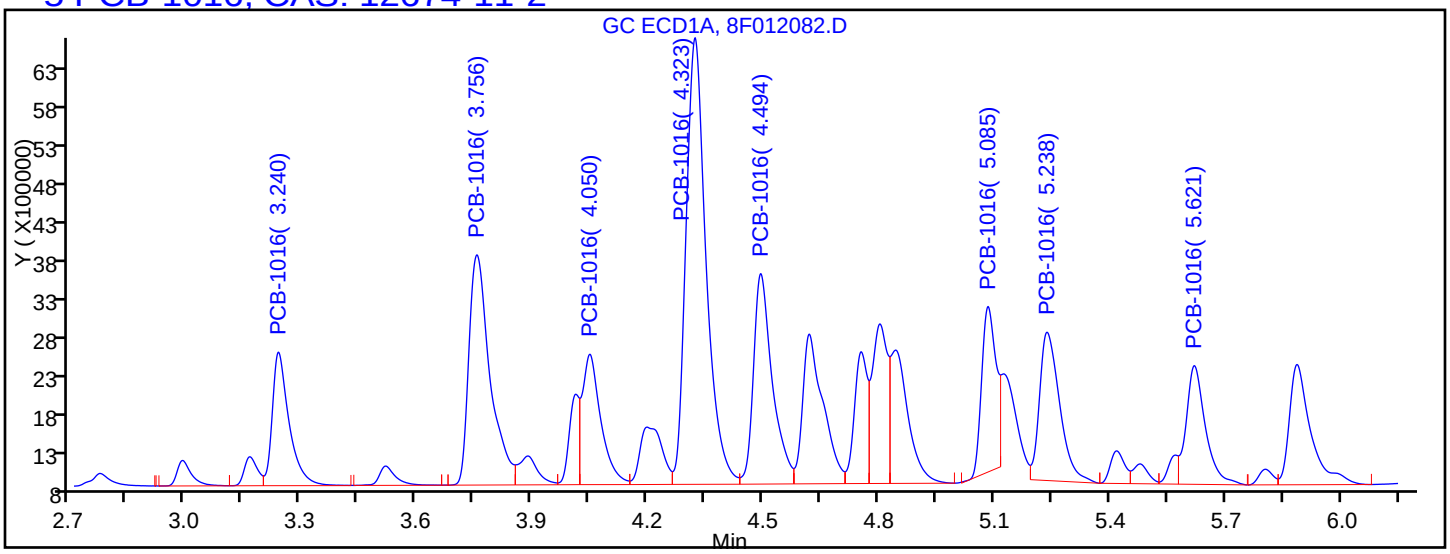
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

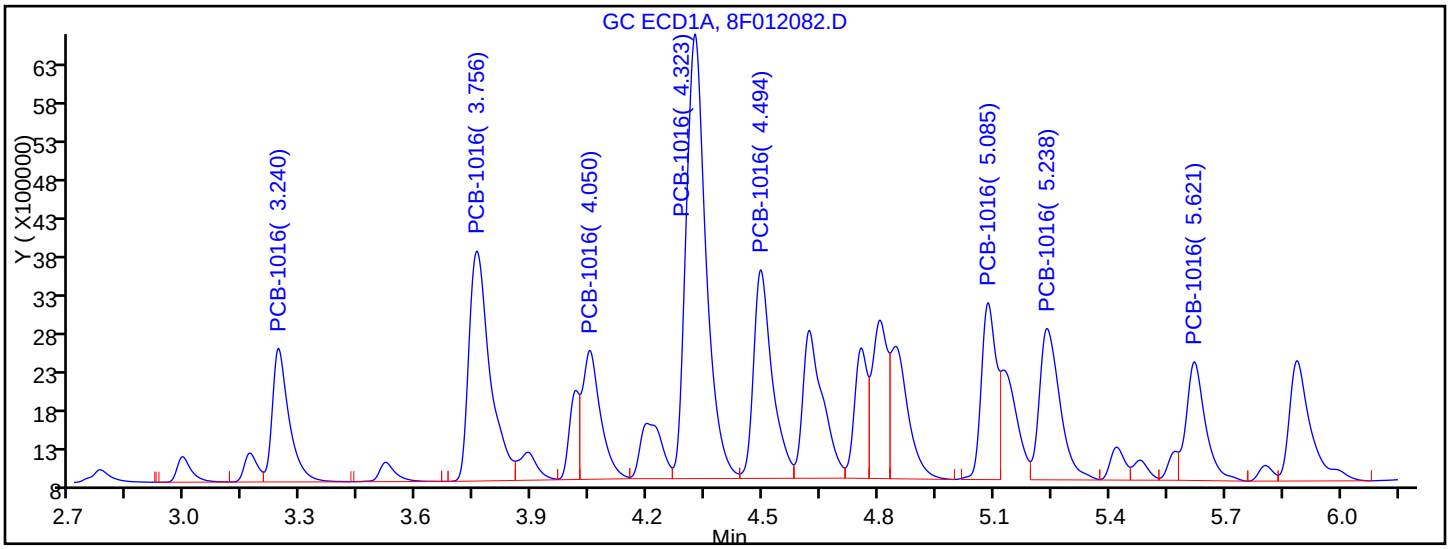
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.240	Response = 5296829	
RT = 3.756	Response = 11468448	M
RT = 4.050	Response = 5661590	M
RT = 4.323	Response = 21261790	M
RT = 4.494	Response = 9373828	M
RT = 5.085	Response = 5657376	M
RT = 5.238	Response = 7062899	M
RT = 5.621	Response = 5371039	



Manual Integration Results

RT = 3.240	Response = 5296829	
RT = 3.756	Response = 11421723	M
RT = 4.050	Response = 5479015	M
RT = 4.323	Response = 20989074	M
RT = 4.494	Response = 9162616	M
RT = 5.085	Response = 6319791	M

Report Date: 16-Jun-2016 12:18:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D

Injection Date: 14-Jun-2016 11:20:44 Instrument ID: CPESTGC8

Lims ID: ICV

Client ID:

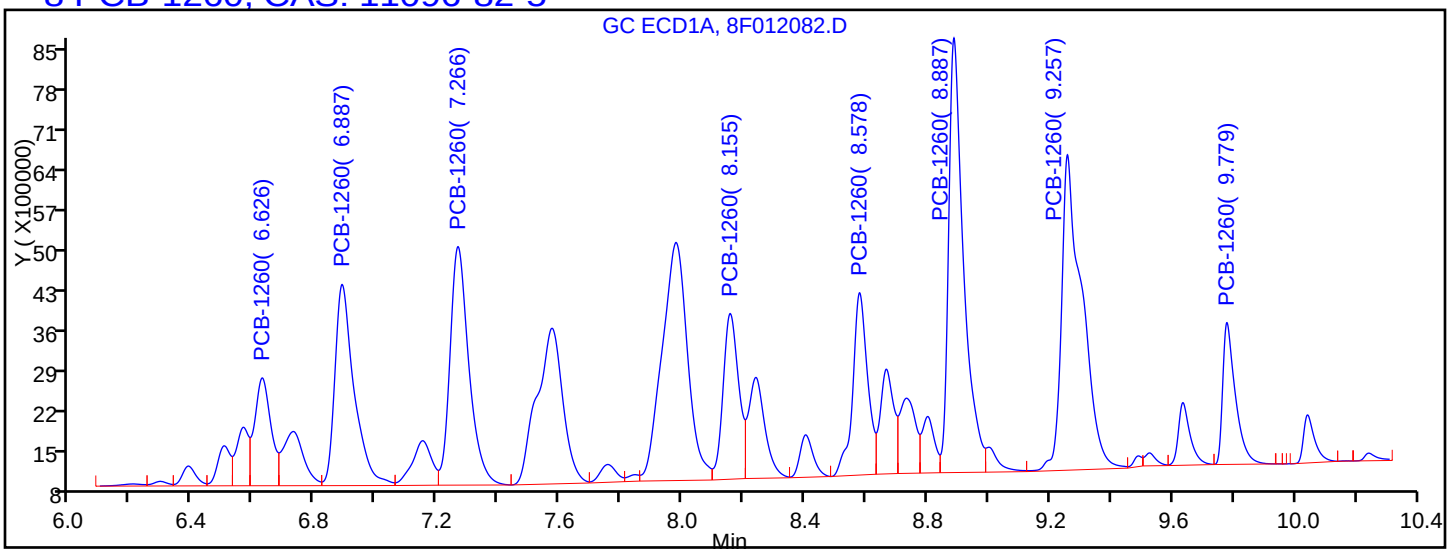
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

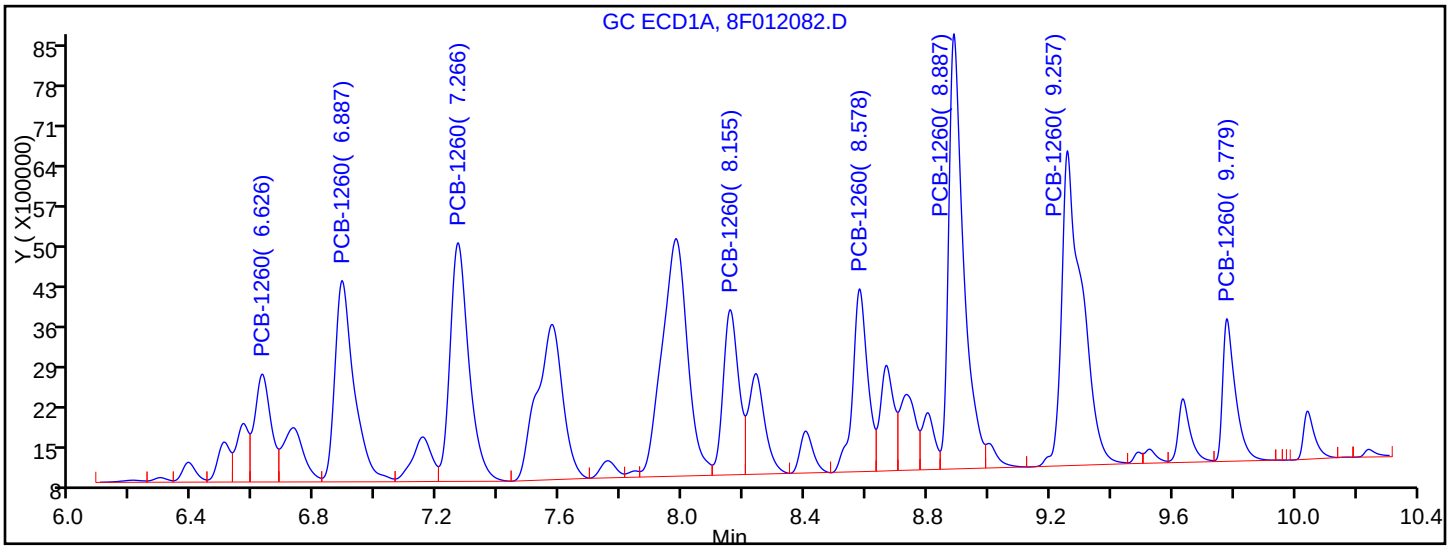
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.626	Response = 6943224	
RT = 6.887	Response = 15310991	
RT = 7.266	Response = 17814613	
RT = 8.155	Response = 10269568	M
RT = 8.578	Response = 10794147	M
RT = 8.887	Response = 25859193	M
RT = 9.257	Response = 25762436	M
RT = 9.779	Response = 7086150	M



Manual Integration Results

RT = 6.626	Response = 6943224	
RT = 6.887	Response = 15310991	
RT = 7.266	Response = 17814613	
RT = 8.155	Response = 10197639	M
RT = 8.578	Response = 10826287	M
RT = 8.887	Response = 25858783	M

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-373506/7 Calibration Date: 06/14/2016 11:20

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F012082.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0164	0.0151		922	1000	-7.8	20.0
PCB-1016 Peak 2	Ave	0.0316	0.0320		1010	1000	1.4	20.0
PCB-1016 Peak 3	Ave	0.0213	0.0218		1020	1000	2.3	20.0
PCB-1016 Peak 4	Ave	0.0649	0.0675		1040	1000	4.0	20.0
PCB-1016 Peak 5	Ave	0.0242	0.0253		1040	1000	4.4	20.0
PCB-1016 Peak 6	Ave	0.0180	0.0189		1050	1000	5.2	20.0
PCB-1016 Peak 7	Ave	0.0267	0.0278		1040	1000	4.0	20.0
PCB-1016 Peak 8	Ave	0.0135	0.0147		1090	1000	9.0	20.0
PCB-1260 Peak 1	Ave	0.0463	0.0459		992	1000	-0.8	20.0
PCB-1260 Peak 2	Ave	0.0766	0.0838		1090	1000	9.4	20.0
PCB-1260 Peak 3	Ave	0.0414	0.0361		872	1000	-12.8	20.0
PCB-1260 Peak 4	Ave	0.0446	0.0394		883	1000	-11.7	20.0
PCB-1260 Peak 5	Ave	0.1049	0.0955		910	1000	-9.0	20.0
PCB-1260 Peak 6	Ave	0.0503	0.0510		1010	1000	1.4	20.0
PCB-1260 Peak 7	Ave	0.0336	0.0286		853	1000	-14.7	20.0
PCB-1260 Peak 8	Ave	0.0263	0.0225		855	1000	-14.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICV 460-373506/7 Calibration Date: 06/14/2016 11:20

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F012082.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.42	2.39	2.45
PCB-1016 Peak 2	2.80	2.77	2.83
PCB-1016 Peak 3	3.01	2.98	3.04
PCB-1016 Peak 4	3.31	3.28	3.34
PCB-1016 Peak 5	3.46	3.43	3.49
PCB-1016 Peak 6	3.53	3.50	3.56
PCB-1016 Peak 7	3.93	3.90	3.96
PCB-1016 Peak 8	4.37	4.34	4.40
PCB-1260 Peak 1	5.36	5.33	5.39
PCB-1260 Peak 2	6.08	6.05	6.11
PCB-1260 Peak 3	6.25	6.22	6.28
PCB-1260 Peak 4	6.61	6.58	6.64
PCB-1260 Peak 5	7.12	7.09	7.15
PCB-1260 Peak 6	7.64	7.61	7.67
PCB-1260 Peak 7	7.82	7.79	7.85
PCB-1260 Peak 8	8.66	8.63	8.69

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-Jun-2016 11:20:44 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0042137-007
Operator ID: Instrument ID: CPESTGC8
Sublist:

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 16-Jun-2016 12:18:37 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK028

First Level Reviewer: patelji Date: 15-Jun-2016 10:45:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.647	1.644	0.003	5128169	20.0	20.0	M
2	1.384	1.382	0.002	6716796	20.0	20.0	M
						RPD = 0.00	
5 PCB-1016							M
1	3.240	3.239	0.001	5296829	1000.0	1084.8	
1	3.756	3.756	0.000	11421723	1000.0	1144.7	M
1	4.050	4.049	0.001	5479015	1000.0	1048.9	M
1	4.323	4.322	0.001	20989074	1000.0	1157.3	M
1	4.494	4.493	0.001	9162616	1000.0	1146.7	M
1	5.085	5.085	0.000	6319791	1000.0	1114.1	M
1	5.238	5.238	0.000	7367648	1000.0	976.4	M
1	5.621	5.621	0.000	5371039	1000.0	917.7	
		Average of Peak Amounts =				1073.8	
2	2.418	2.416	0.002	5077490	1000.0	922.3	M
2	2.800	2.798	0.002	10751981	1000.0	1013.8	M
2	3.013	3.012	0.001	7312407	1000.0	1023.1	
2	3.308	3.307	0.001	22656969	1000.0	1040.1	
2	3.459	3.458	0.001	8504253	1000.0	1044.3	
2	3.526	3.525	0.001	6350941	1000.0	1052.4	
2	3.932	3.931	0.001	9341682	1000.0	1039.8	
2	4.372	4.372	0.000	4927581	1000.0	1089.7	M
		Average of Peak Amounts =				1028.2	
						RPD = 4.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 PCB-1260							M
1	6.626	6.626	0.000	6943224	1000.0	1054.5	
1	6.887	6.886	0.001	15310991	1000.0	1147.2	
1	7.266	7.266	0.000	17814613	1000.0	1114.4	
1	8.155	8.155	0.000	10197639	1000.0	948.9	M
1	8.578	8.579	-0.001	10826287	1000.0	1036.6	M
1	8.887	8.886	0.001	25858783	1000.0	992.8	M
1	9.257	9.259	-0.002	25569643	1000.0	970.5	M
1	9.779	9.781	-0.002	7173627	1000.0	901.4	M
		Average of Peak Amounts =				1020.8	
2	5.362	5.363	-0.001	15416222	1000.0	992.4	
2	6.078	6.078	0.000	28140435	1000.0	1094.3	
2	6.247	6.247	0.000	12125491	1000.0	871.7	
2	6.608	6.607	0.001	13217467	1000.0	883.3	
2	7.121	7.120	0.001	32070721	1000.0	910.2	
2	7.637	7.636	0.001	17136998	1000.0	1014.1	M
2	7.817	7.816	0.001	9619989	1000.0	852.6	M
2	8.662	8.663	-0.001	7556698	1000.0	855.3	M
		Average of Peak Amounts =				934.2	
					RPD =	8.86	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

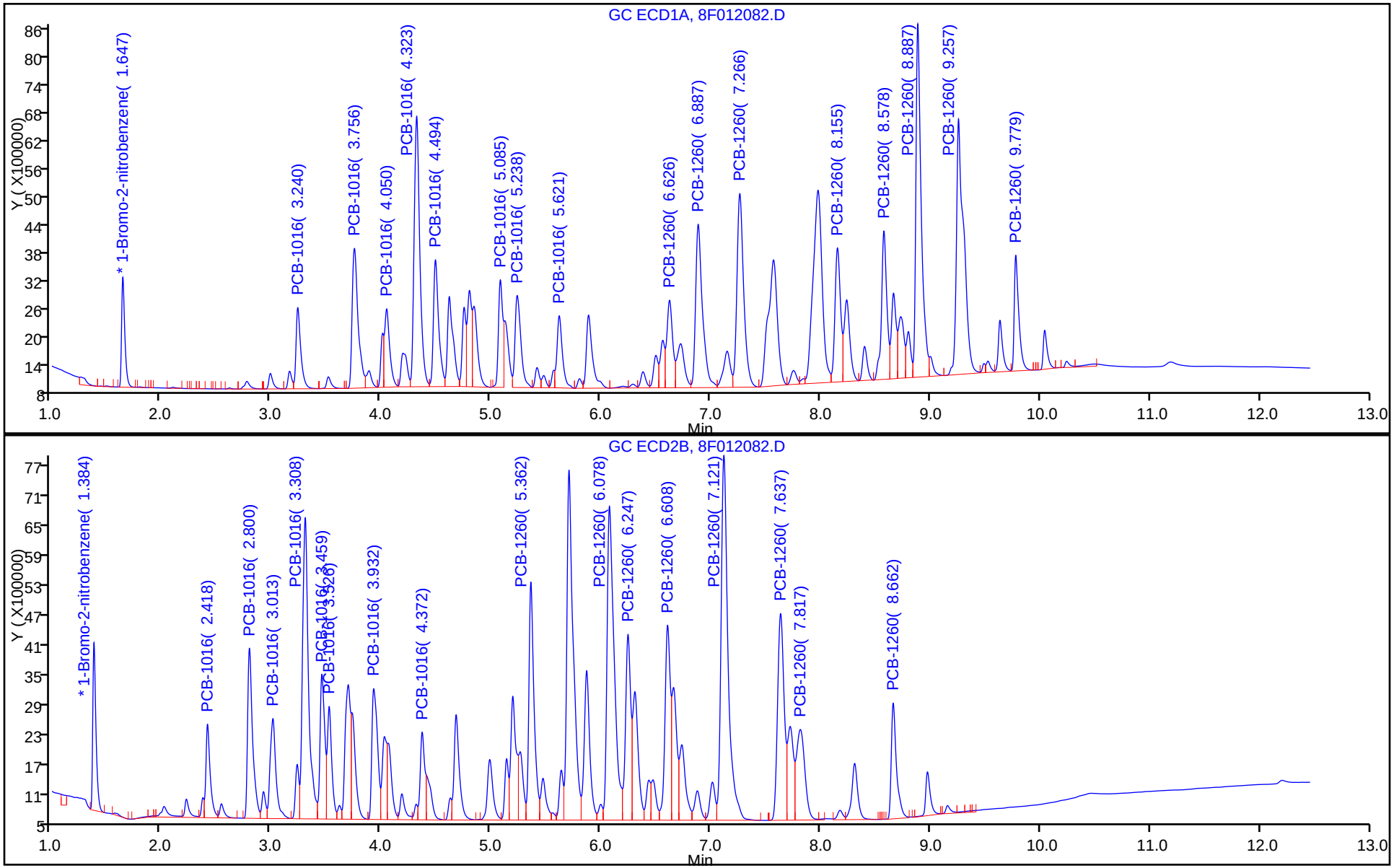
SGPCBICV_00018	Amount Added: 1.00	Units: mL	
SGPCBISTD_00006	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 16-Jun-2016 12:18:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D

Injection Date:	14-Jun-2016 11:20:44	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

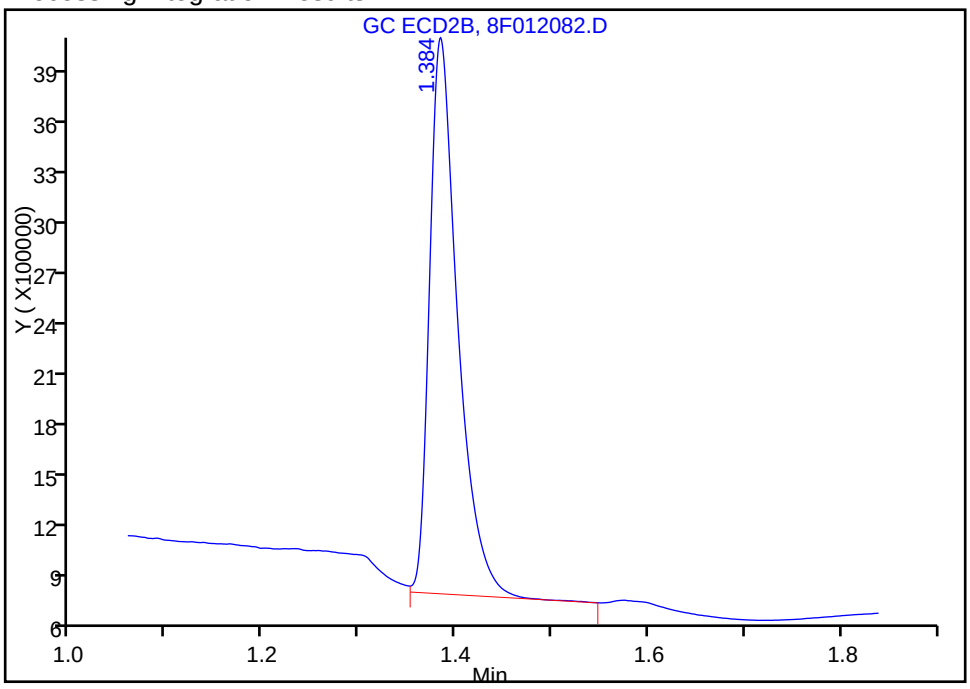
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D
Injection Date: 14-Jun-2016 11:20:44 Instrument ID: CPESTGC8
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

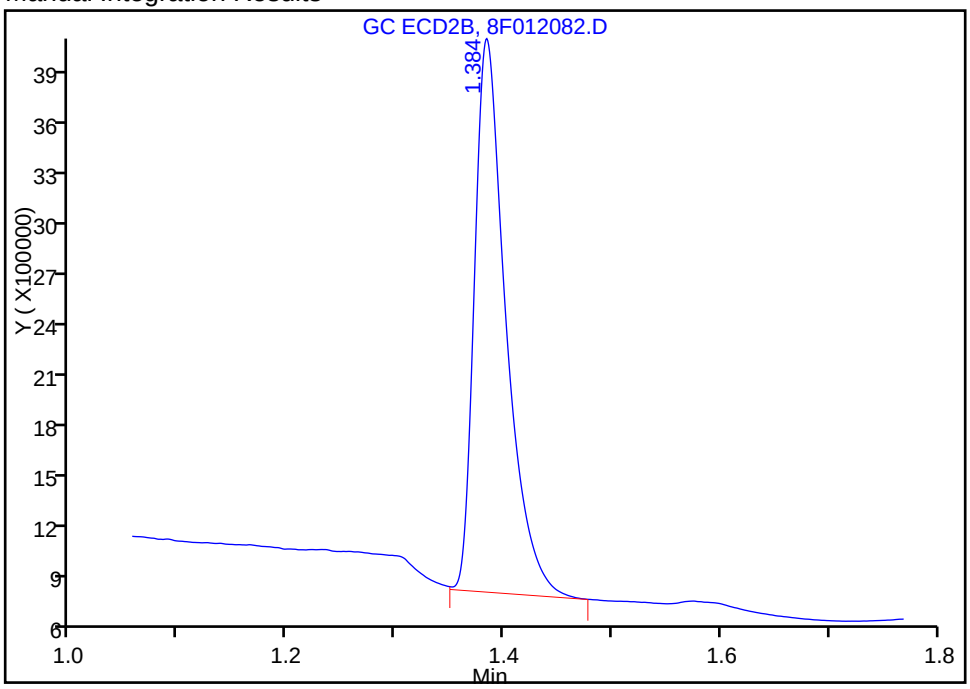
Processing Integration Results

RT: 1.38
Area: 6803438
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.38
Area: 6716796
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 15-Jun-2016 10:52:10
Audit Action: Manually Integrated Audit Reason: Column bleed

Report Date: 16-Jun-2016 12:18:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D

Injection Date: 14-Jun-2016 11:20:44 Instrument ID: CPESTGC8

Lims ID: ICV

Client ID:

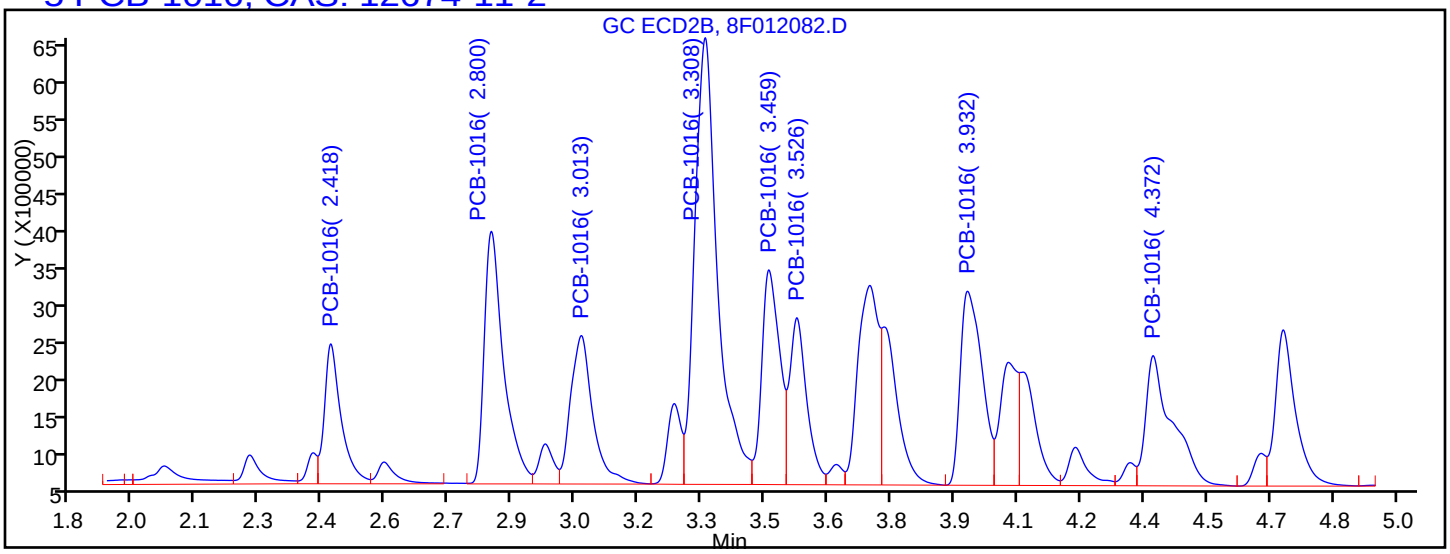
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

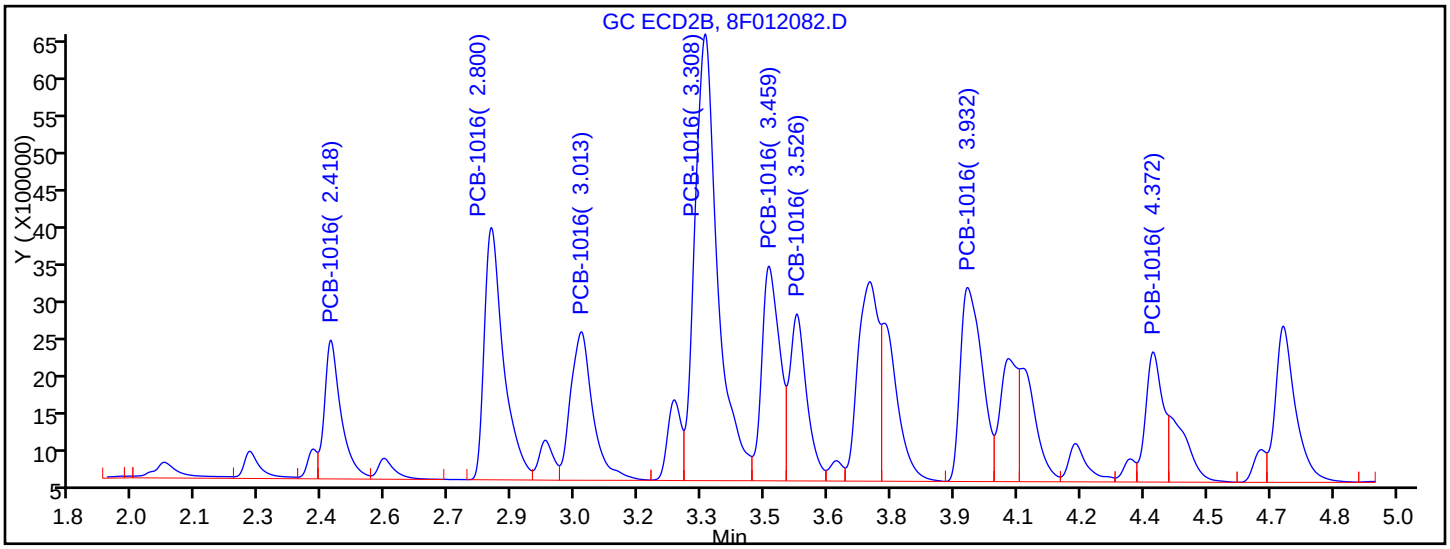
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.418	Response = 5183566	M
RT = 2.800	Response = 10789171	M
RT = 3.013	Response = 7312407	
RT = 3.308	Response = 22656969	
RT = 3.459	Response = 8504253	
RT = 3.526	Response = 6350941	
RT = 3.932	Response = 9341682	
RT = 4.372	Response = 7677195	M



Manual Integration Results

RT = 2.418	Response = 5077490	M
RT = 2.800	Response = 10751981	M
RT = 3.013	Response = 7312407	
RT = 3.308	Response = 22656969	
RT = 3.459	Response = 8504253	
RT = 3.526	Response = 6350941	

Report Date: 16-Jun-2016 12:18:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012082.D

Injection Date: 14-Jun-2016 11:20:44 Instrument ID: CPESTGC8

Lims ID: ICV

Client ID:

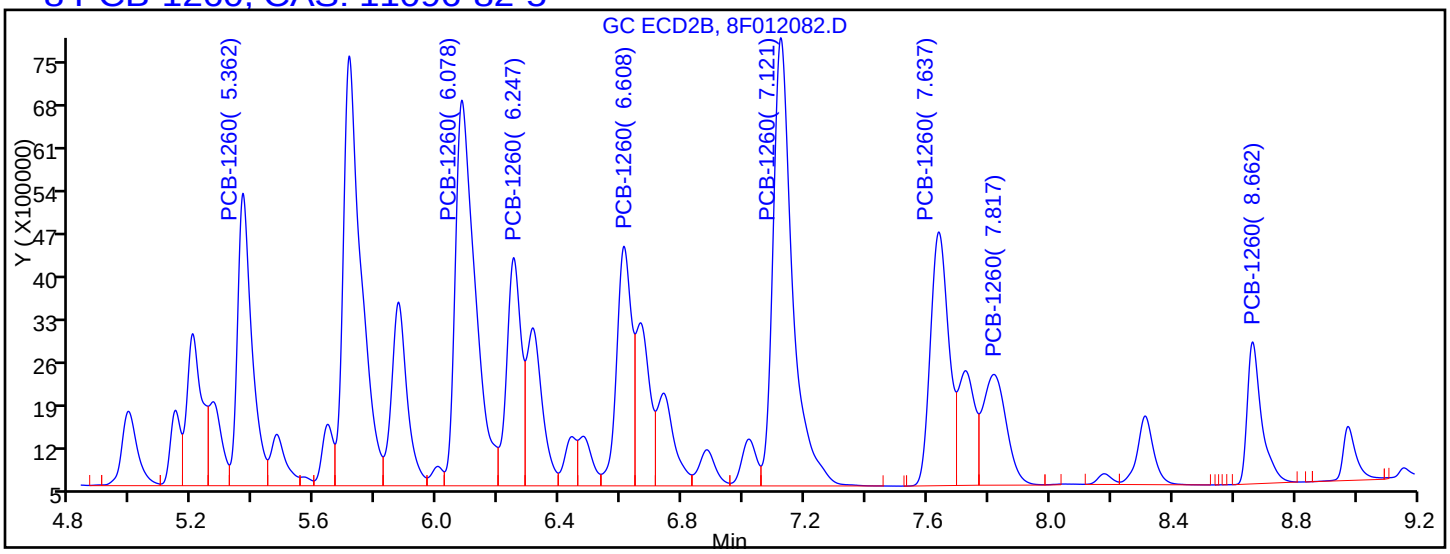
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

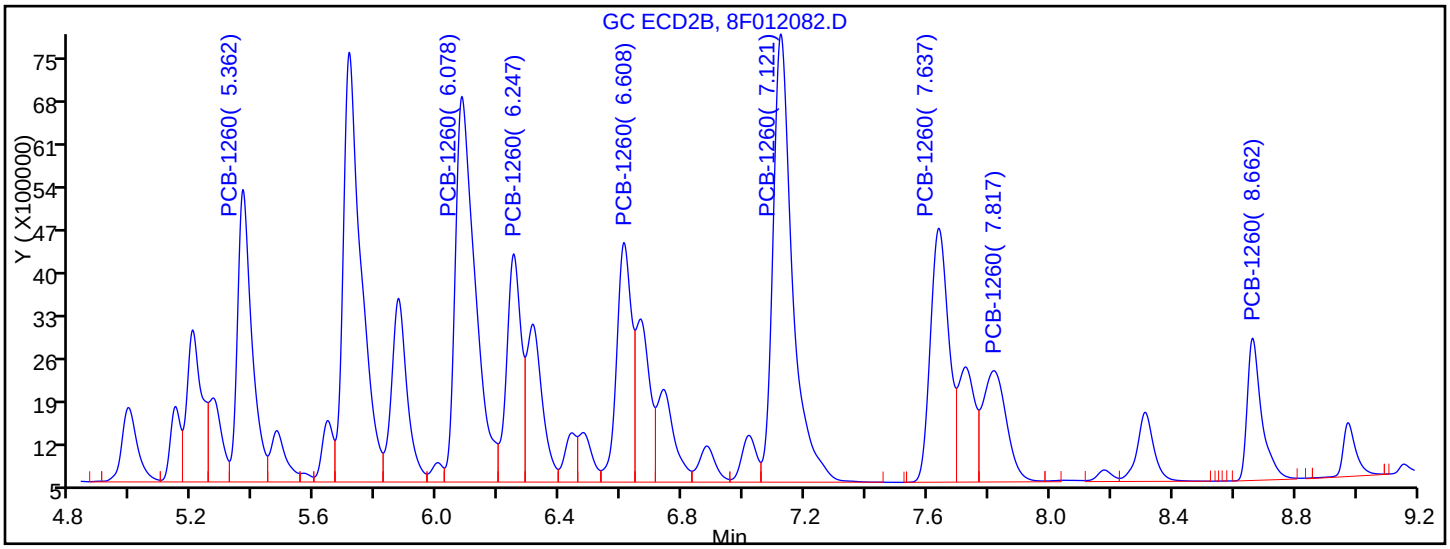
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.362	Response = 15416222	
RT = 6.078	Response = 28140435	
RT = 6.247	Response = 12125491	
RT = 6.608	Response = 13217467	
RT = 7.121	Response = 32070721	
RT = 7.637	Response = 17110376	M
RT = 7.817	Response = 9513715	M
RT = 8.662	Response = 7470732	M



Manual Integration Results

RT = 5.362	Response = 15416222	
RT = 6.078	Response = 28140435	
RT = 6.247	Response = 12125491	
RT = 6.608	Response = 13217467	
RT = 7.121	Response = 32070721	
RT = 7.637	Response = 17136998	M

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386237/3 Calibration Date: 08/23/2016 07:35

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F013518.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0190	0.0205		1080	1000	7.7	20.0
PCB-1016 Peak 2	Ave	0.0389	0.0416		1070	1000	6.9	20.0
PCB-1016 Peak 3	Ave	0.0204	0.0213		1050	1000	4.5	20.0
PCB-1016 Peak 4	Ave	0.0707	0.0770		1090	1000	8.9	20.0
PCB-1016 Peak 5	Ave	0.0312	0.0350		1120	1000	12.2	20.0
PCB-1016 Peak 6	Ave	0.0221	0.0230		1040	1000	3.7	20.0
PCB-1016 Peak 7	Ave	0.0294	0.0316		1070	1000	7.3	20.0
PCB-1016 Peak 8	Ave	0.0228	0.0260		1140	1000	13.8	20.0
PCB-1260 Peak 1	Ave	0.0257	0.0271		1060	1000	5.5	20.0
PCB-1260 Peak 2	Ave	0.0520	0.0554		1060	1000	6.4	20.0
PCB-1260 Peak 3	Ave	0.0623	0.0632		1010	1000	1.4	20.0
PCB-1260 Peak 4	Ave	0.0419	0.0471		1120	1000	12.4	20.0
PCB-1260 Peak 5	Ave	0.0407	0.0436		1070	1000	7.1	20.0
PCB-1260 Peak 6	Ave	0.1016	0.1071		1050	1000	5.4	20.0
PCB-1260 Peak 7	Ave	0.1027	0.1065		1040	1000	3.6	20.0
PCB-1260 Peak 8	Ave	0.0310	0.0314		1010	1000	1.3	20.0
Tetrachloro-m-xylene	Ave	0.8362	0.8729		104	100	4.4	20.0
DCB Decachlorobiphenyl	Ave	0.9274	0.9135		98.5	100	-1.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386237/3 Calibration Date: 08/23/2016 07:35

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F013518.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.21	3.18	3.24
PCB-1016 Peak 2	3.72	3.69	3.75
PCB-1016 Peak 3	4.01	3.98	4.04
PCB-1016 Peak 4	4.29	4.26	4.32
PCB-1016 Peak 5	4.46	4.43	4.49
PCB-1016 Peak 6	5.04	5.01	5.07
PCB-1016 Peak 7	5.20	5.17	5.23
PCB-1016 Peak 8	5.58	5.55	5.61
PCB-1260 Peak 1	6.57	6.54	6.60
PCB-1260 Peak 2	6.83	6.80	6.86
PCB-1260 Peak 3	7.20	7.17	7.23
PCB-1260 Peak 4	8.10	8.07	8.13
PCB-1260 Peak 5	8.53	8.50	8.56
PCB-1260 Peak 6	8.84	8.81	8.87
PCB-1260 Peak 7	9.22	9.19	9.25
PCB-1260 Peak 8	9.75	9.72	9.78
Tetrachloro-m-xylene	2.59	2.56	2.62
DCB Decachlorobiphenyl	10.21	10.18	10.24

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 07:35:00 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 08:40:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.622	1.622	0.000	5822738	20.0	20.0	M
2	1.357	1.357	0.000	7129582	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.588	2.588	0.000	25412979	100.0	104.4	M
2	2.006	2.006	0.000	25420582	100.0	90.8	
						RPD = 13.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.206	3.206	0.000	5968953	1000.0	1076.6	M
1	3.720	3.720	0.000	12112702	1000.0	1069.1	M
1	4.013	4.013	0.000	6200189	1000.0	1045.3	M
1	4.285	4.285	0.000	22416072	1000.0	1088.6	M
1	4.455	4.455	0.000	10182877	1000.0	1122.4	M
1	5.044	5.044	0.000	6680517	1000.0	1037.2	M
1	5.198	5.198	0.000	9192410	1000.0	1072.9	M
1	5.578	5.578	0.000	7559985	1000.0	1137.6	M
		Average of Peak Amounts =				1081.2	
2	2.384	2.384	0.000	6023466	1000.0	1030.8	
2	2.764	2.764	0.000	11716908	1000.0	1040.8	
2	2.977	2.977	0.000	7954330	1000.0	1048.5	
2	3.272	3.272	0.000	24194666	1000.0	1046.3	
2	3.423	3.423	0.000	9107951	1000.0	1053.7	
2	3.489	3.489	0.000	7076552	1000.0	1104.7	
2	3.895	3.895	0.000	10458619	1000.0	1096.8	
2	4.335	4.335	0.000	5517823	1000.0	1149.5	
		Average of Peak Amounts =				1071.4	
						RPD = 0.91	
8 PCB-1260							M
1	6.572	6.572	0.000	7888410	1000.0	1055.1	
1	6.829	6.829	0.000	16119568	1000.0	1063.7	
1	7.203	7.203	0.000	18398030	1000.0	1013.6	
1	8.098	8.098	0.000	13713505	1000.0	1123.8	M
1	8.525	8.525	0.000	12696963	1000.0	1070.7	M
1	8.840	8.840	0.000	31166192	1000.0	1053.9	M
1	9.219	9.219	0.000	30992411	1000.0	1036.0	M
1	9.746	9.746	0.000	9152910	1000.0	1012.9	
		Average of Peak Amounts =				1053.7	
2	5.324	5.324	0.000	18363105	1000.0	1113.7	
2	6.033	6.033	0.000	28229206	1000.0	1034.2	
2	6.199	6.199	0.000	13684035	1000.0	926.8	
2	6.557	6.557	0.000	15245706	1000.0	959.8	
2	7.061	7.061	0.000	39571391	1000.0	1058.0	
2	7.569	7.569	0.000	19191331	1000.0	1070.0	
2	7.746	7.746	0.000	13858505	1000.0	1157.1	
2	8.625	8.625	0.000	10536889	1000.0	1123.5	M
		Average of Peak Amounts =				1055.4	
						RPD = 0.16	
$ 11 DCB Decachlorobiphenyl							M
1	10.210	10.210	0.000	26594768	100.0	98.5	
2	9.127	9.127	0.000	30754080	100.0	106.8	M
						RPD = 8.12	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

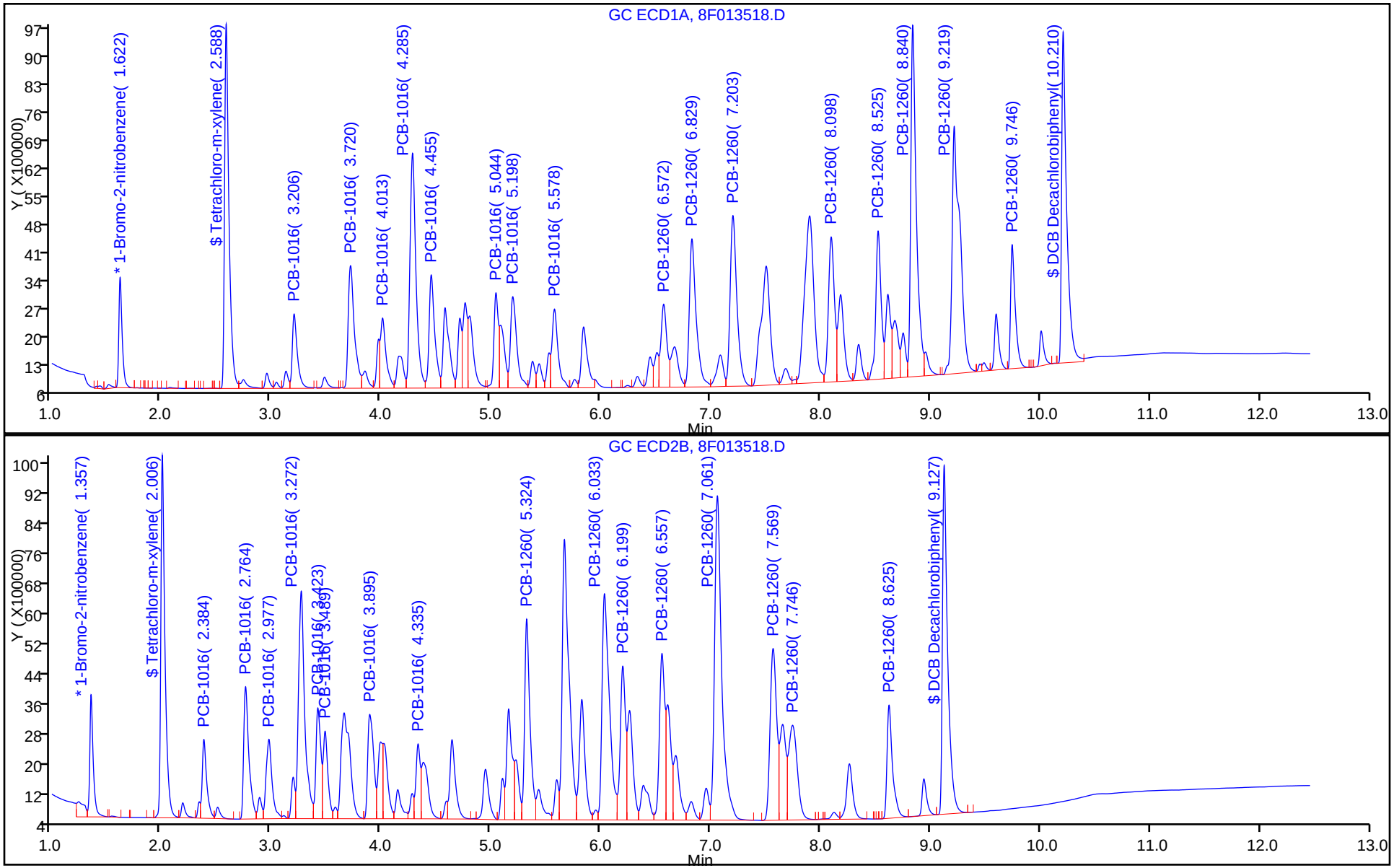
SG1660L3_00029	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 23-Aug-2016 14:53:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D

Injection Date:	23-Aug-2016 07:35:00	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

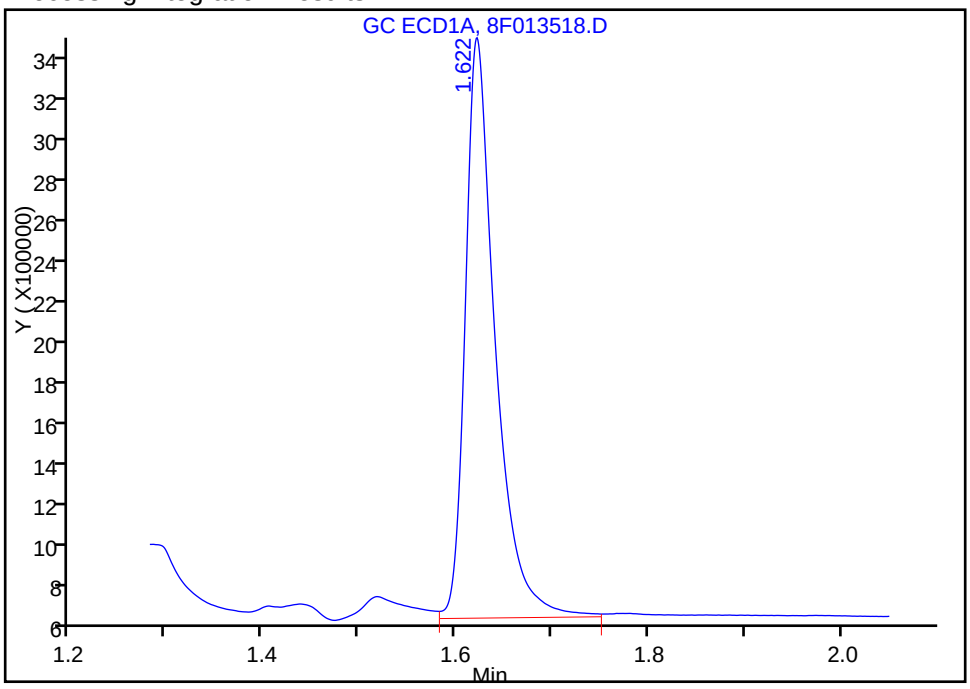
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D
Injection Date: 23-Aug-2016 07:35:00 Instrument ID: CPESTGC8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

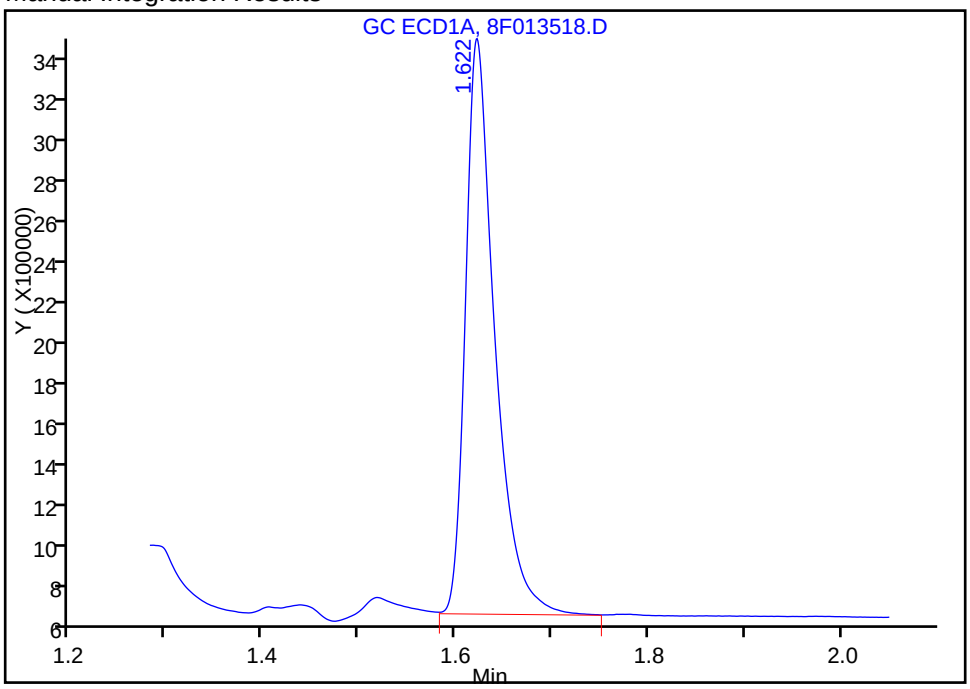
Processing Integration Results

RT: 1.62
Area: 6016577
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.62
Area: 5822738
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:40:29
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Edison

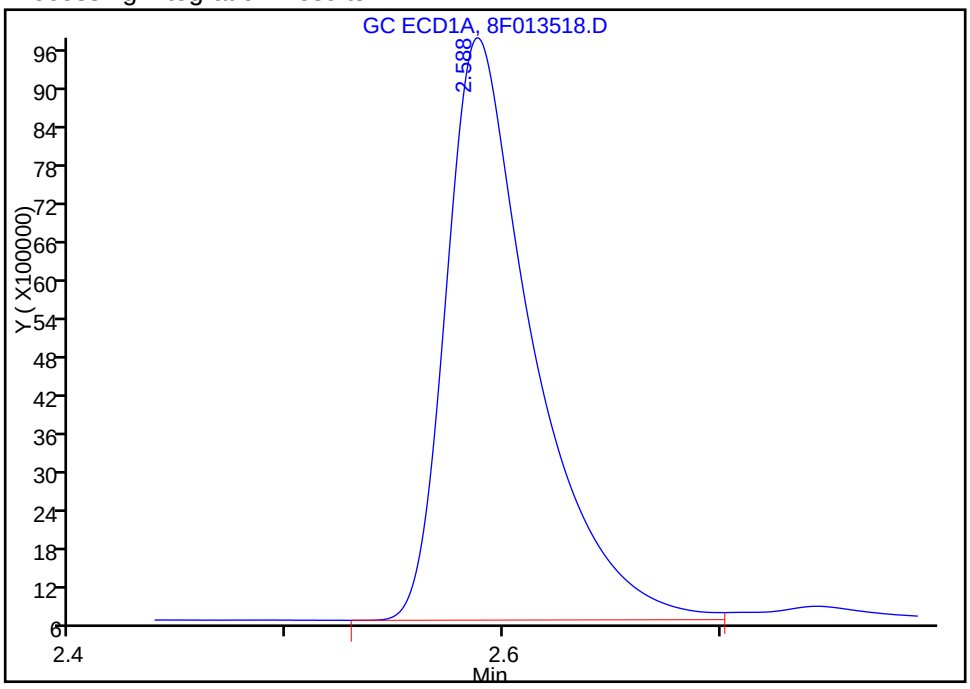
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D
Injection Date: 23-Aug-2016 07:35:00 Instrument ID: CPESTGC8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

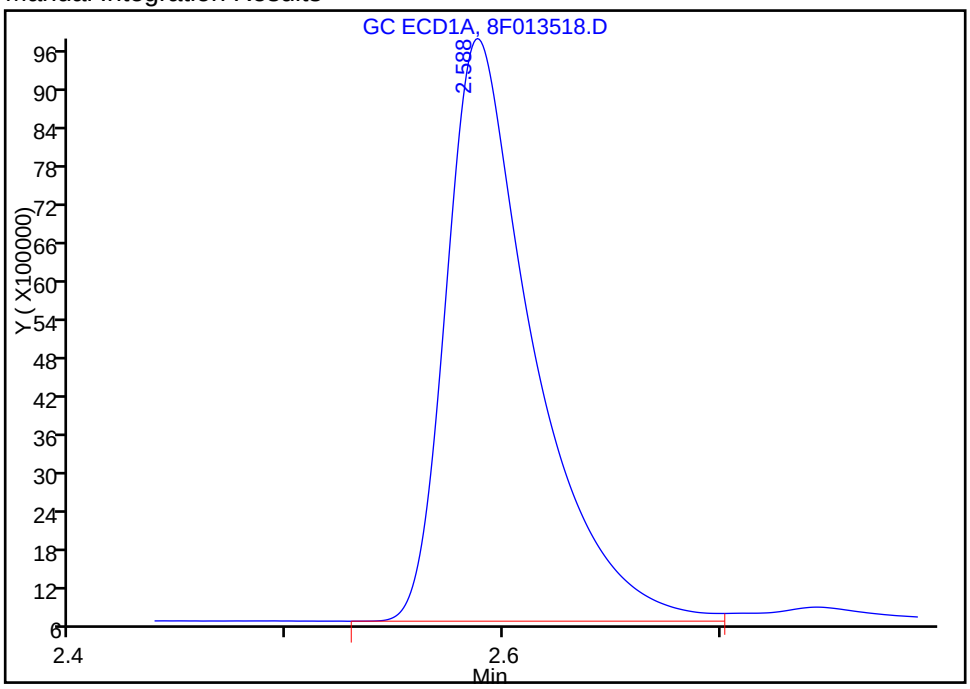
Processing Integration Results

RT: 2.59
Area: 25366916
Amount: 100.8453
Amount Units: ug/l



Manual Integration Results

RT: 2.59
Area: 25412979
Amount: 104.3917
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:40:29
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 23-Aug-2016 14:53:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D

Injection Date: 23-Aug-2016 07:35:00 Instrument ID: CPESTGC8

Lims ID: CCVIS

Client ID:

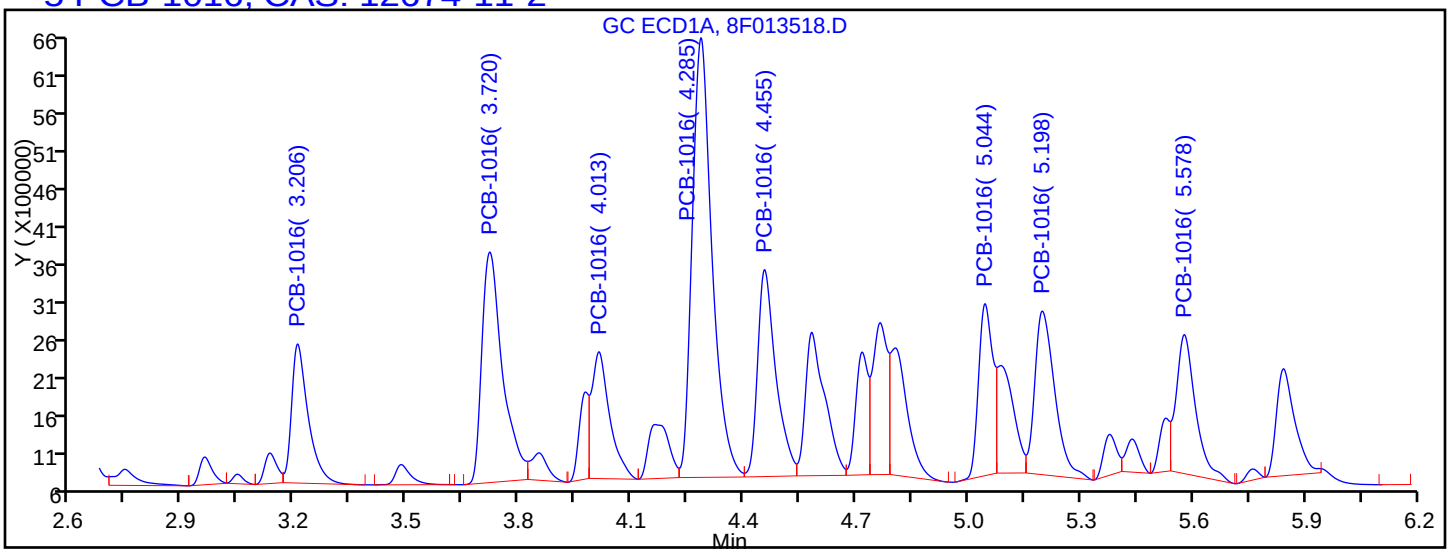
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

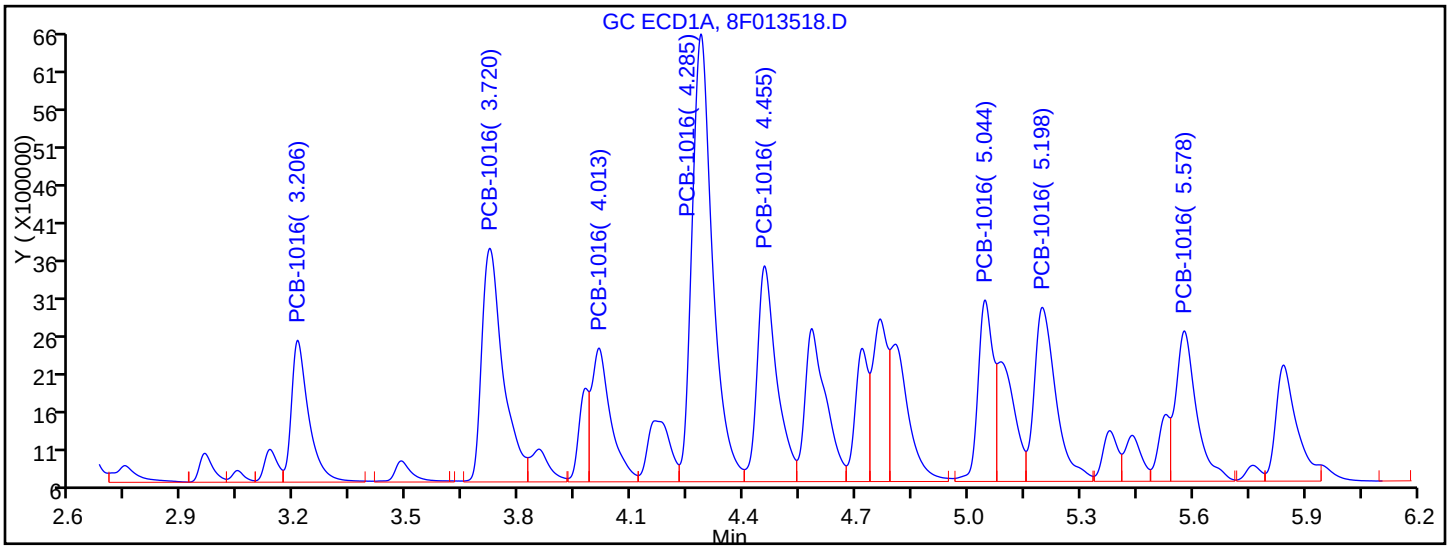
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.206	Response = 5621345	M
RT = 3.720	Response = 11638809	M
RT = 4.013	Response = 5516921	M
RT = 4.285	Response = 21308983	M
RT = 4.455	Response = 9205823	M
RT = 5.044	Response = 6029549	M
RT = 5.198	Response = 7992081	M
RT = 5.578	Response = 6538848	M



Manual Integration Results

RT = 3.206	Response = 5968953	M
RT = 3.720	Response = 12112702	M
RT = 4.013	Response = 6200189	M
RT = 4.285	Response = 22416072	M
RT = 4.455	Response = 10182877	M
RT = 5.044	Response = 6680517	M

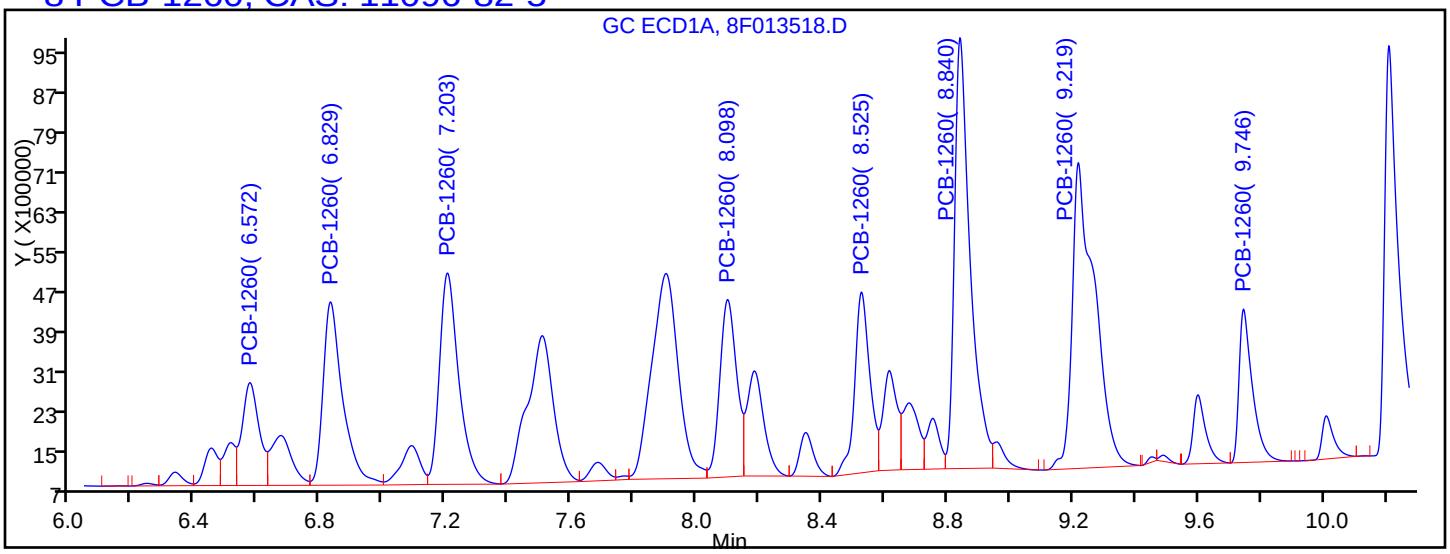
Report Date: 23-Aug-2016 14:53:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D

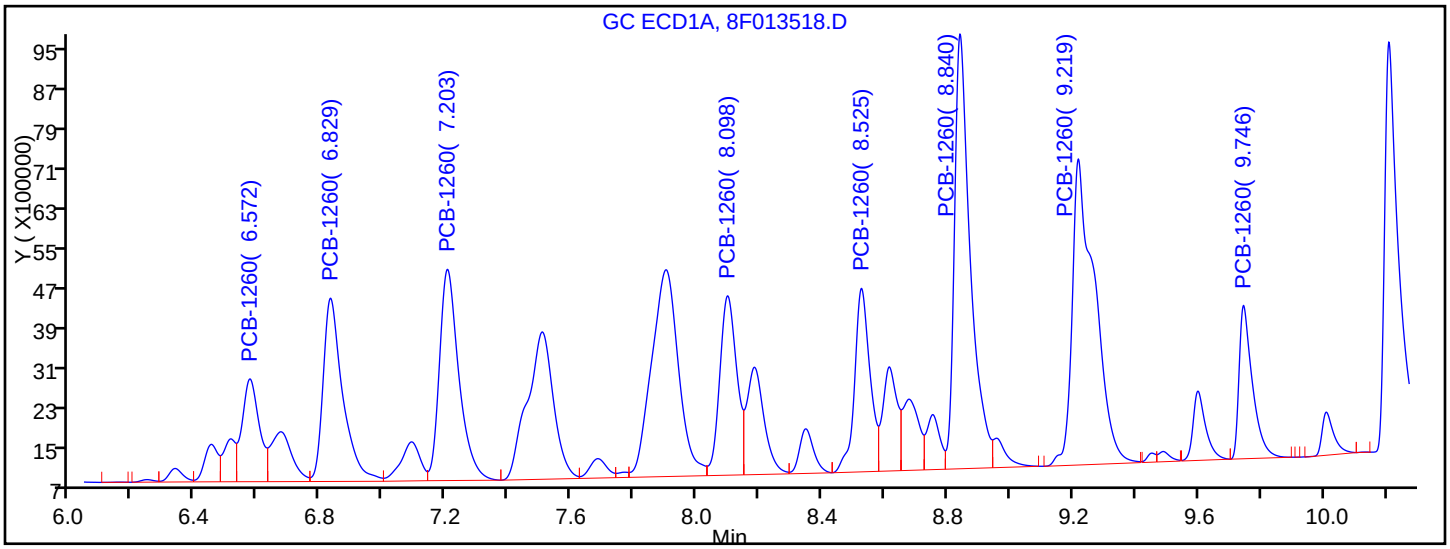
Injection Date:	23-Aug-2016 07:35:00	Instrument ID:	CPESTGC8		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.572	Response = 7888410	
RT = 6.829	Response = 16119568	
RT = 7.203	Response = 18398030	
RT = 8.098	Response = 13436260	M
RT = 8.525	Response = 12299522	M
RT = 8.840	Response = 30470351	M
RT = 9.219	Response = 30824172	M
RT = 9.746	Response = 9152910	



Manual Integration Results

RT = 6.572	Response = 7888410	
RT = 6.829	Response = 16119568	
RT = 7.203	Response = 18398030	
RT = 8.098	Response = 13713505	M
RT = 8.525	Response = 12696963	M
RT = 8.840	Response = 31166192	M

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386237/3 Calibration Date: 08/23/2016 07:35

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F013518.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0164	0.0169		1030	1000	3.1	20.0
PCB-1016 Peak 2	Ave	0.0316	0.0329		1040	1000	4.1	20.0
PCB-1016 Peak 3	Ave	0.0213	0.0223		1050	1000	4.8	20.0
PCB-1016 Peak 4	Ave	0.0649	0.0679		1050	1000	4.6	20.0
PCB-1016 Peak 5	Ave	0.0242	0.0256		1050	1000	5.4	20.0
PCB-1016 Peak 6	Ave	0.0180	0.0199		1100	1000	10.5	20.0
PCB-1016 Peak 7	Ave	0.0267	0.0293		1100	1000	9.7	20.0
PCB-1016 Peak 8	Ave	0.0135	0.0155		1150	1000	15.0	20.0
PCB-1260 Peak 1	Ave	0.0463	0.0515		1110	1000	11.4	20.0
PCB-1260 Peak 2	Ave	0.0766	0.0792		1030	1000	3.4	20.0
PCB-1260 Peak 3	Ave	0.0414	0.0384		927	1000	-7.3	20.0
PCB-1260 Peak 4	Ave	0.0446	0.0428		960	1000	-4.0	20.0
PCB-1260 Peak 5	Ave	0.1049	0.1110		1060	1000	5.8	20.0
PCB-1260 Peak 6	Ave	0.0503	0.0538		1070	1000	7.0	20.0
PCB-1260 Peak 7	Ave	0.0336	0.0389		1160	1000	15.7	20.0
PCB-1260 Peak 8	Ave	0.0263	0.0296		1120	1000	12.4	20.0
Tetrachloro-m-xylene	Ave	0.7857	0.7131		90.8	100	-9.2	20.0
DCB Decachlorobiphenyl	Ave	0.8076	0.8627		107	100	6.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386237/3 Calibration Date: 08/23/2016 07:35

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F013518.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.38	2.35	2.41
PCB-1016 Peak 2	2.76	2.73	2.79
PCB-1016 Peak 3	2.98	2.95	3.01
PCB-1016 Peak 4	3.27	3.24	3.30
PCB-1016 Peak 5	3.42	3.39	3.45
PCB-1016 Peak 6	3.49	3.46	3.52
PCB-1016 Peak 7	3.90	3.87	3.93
PCB-1016 Peak 8	4.34	4.31	4.37
PCB-1260 Peak 1	5.32	5.29	5.35
PCB-1260 Peak 2	6.03	6.00	6.06
PCB-1260 Peak 3	6.20	6.17	6.23
PCB-1260 Peak 4	6.56	6.53	6.59
PCB-1260 Peak 5	7.06	7.03	7.09
PCB-1260 Peak 6	7.57	7.54	7.60
PCB-1260 Peak 7	7.75	7.72	7.78
PCB-1260 Peak 8	8.63	8.60	8.66
Tetrachloro-m-xylene	2.01	1.98	2.04
DCB Decachlorobiphenyl	9.13	9.10	9.16

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 07:35:00 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 08:40:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.622	1.622	0.000	5822738	20.0	20.0	M
2	1.357	1.357	0.000	7129582	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.588	2.588	0.000	25412979	100.0	104.4	M
2	2.006	2.006	0.000	25420582	100.0	90.8	
						RPD = 13.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.206	3.206	0.000	5968953	1000.0	1076.6	M
1	3.720	3.720	0.000	12112702	1000.0	1069.1	M
1	4.013	4.013	0.000	6200189	1000.0	1045.3	M
1	4.285	4.285	0.000	22416072	1000.0	1088.6	M
1	4.455	4.455	0.000	10182877	1000.0	1122.4	M
1	5.044	5.044	0.000	6680517	1000.0	1037.2	M
1	5.198	5.198	0.000	9192410	1000.0	1072.9	M
1	5.578	5.578	0.000	7559985	1000.0	1137.6	M
		Average of Peak Amounts =				1081.2	
2	2.384	2.384	0.000	6023466	1000.0	1030.8	
2	2.764	2.764	0.000	11716908	1000.0	1040.8	
2	2.977	2.977	0.000	7954330	1000.0	1048.5	
2	3.272	3.272	0.000	24194666	1000.0	1046.3	
2	3.423	3.423	0.000	9107951	1000.0	1053.7	
2	3.489	3.489	0.000	7076552	1000.0	1104.7	
2	3.895	3.895	0.000	10458619	1000.0	1096.8	
2	4.335	4.335	0.000	5517823	1000.0	1149.5	
		Average of Peak Amounts =				1071.4	
						RPD = 0.91	
8 PCB-1260							M
1	6.572	6.572	0.000	7888410	1000.0	1055.1	
1	6.829	6.829	0.000	16119568	1000.0	1063.7	
1	7.203	7.203	0.000	18398030	1000.0	1013.6	
1	8.098	8.098	0.000	13713505	1000.0	1123.8	M
1	8.525	8.525	0.000	12696963	1000.0	1070.7	M
1	8.840	8.840	0.000	31166192	1000.0	1053.9	M
1	9.219	9.219	0.000	30992411	1000.0	1036.0	M
1	9.746	9.746	0.000	9152910	1000.0	1012.9	
		Average of Peak Amounts =				1053.7	
2	5.324	5.324	0.000	18363105	1000.0	1113.7	
2	6.033	6.033	0.000	28229206	1000.0	1034.2	
2	6.199	6.199	0.000	13684035	1000.0	926.8	
2	6.557	6.557	0.000	15245706	1000.0	959.8	
2	7.061	7.061	0.000	39571391	1000.0	1058.0	
2	7.569	7.569	0.000	19191331	1000.0	1070.0	
2	7.746	7.746	0.000	13858505	1000.0	1157.1	
2	8.625	8.625	0.000	10536889	1000.0	1123.5	M
		Average of Peak Amounts =				1055.4	
						RPD = 0.16	
$ 11 DCB Decachlorobiphenyl							M
1	10.210	10.210	0.000	26594768	100.0	98.5	
2	9.127	9.127	0.000	30754080	100.0	106.8	M
						RPD = 8.12	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

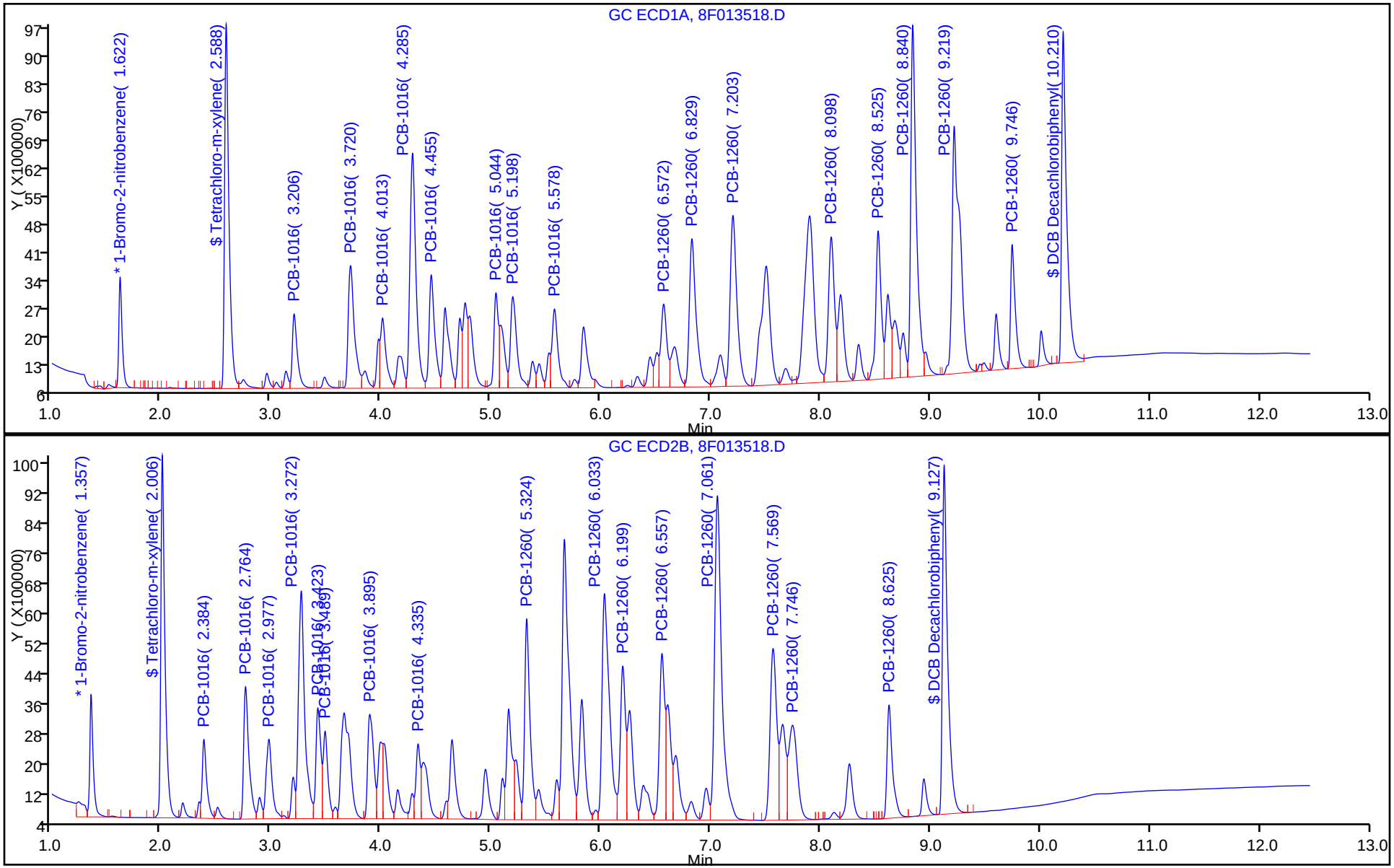
SG1660L3_00029	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 23-Aug-2016 14:53:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D

Injection Date:	23-Aug-2016 07:35:00	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

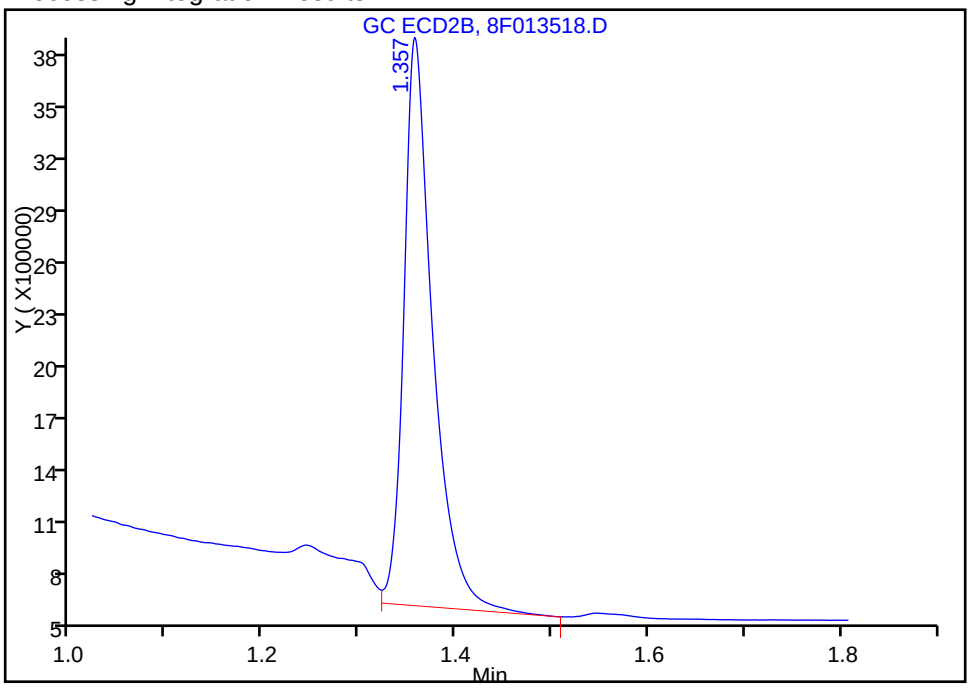
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D				
Injection Date:	23-Aug-2016 07:35:00	Instrument ID:	CPESTGC8		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

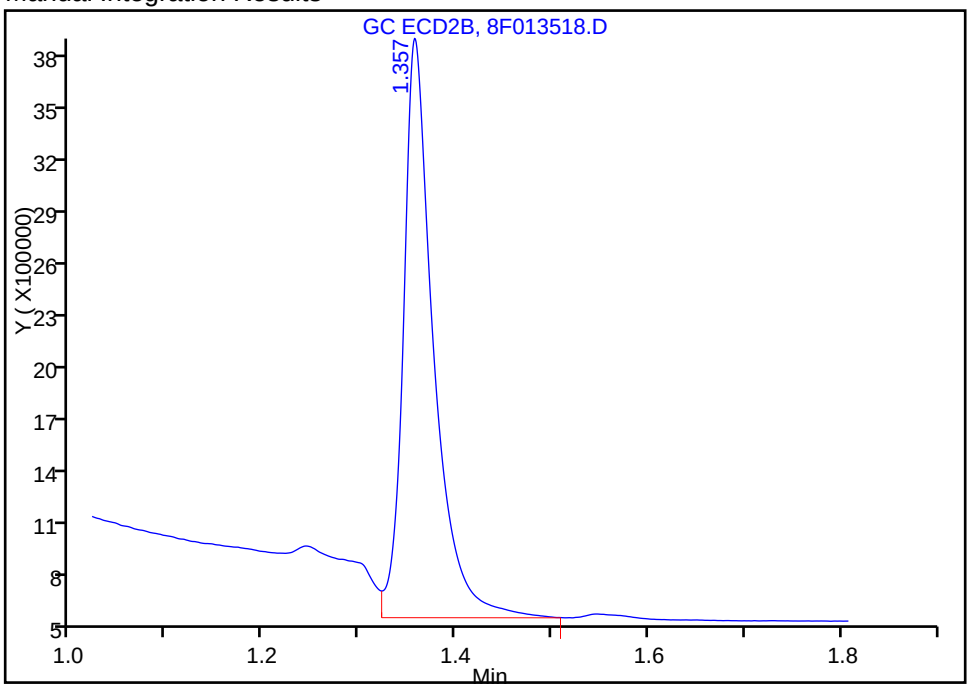
Processing Integration Results

RT: 1.36
Area: 6699822
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 7129582
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:40:29

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 23-Aug-2016 14:53:08 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D

Injection Date: 23-Aug-2016 07:35:00 Instrument ID: CPESTGC8

Lims ID: CCVIS

Client ID:

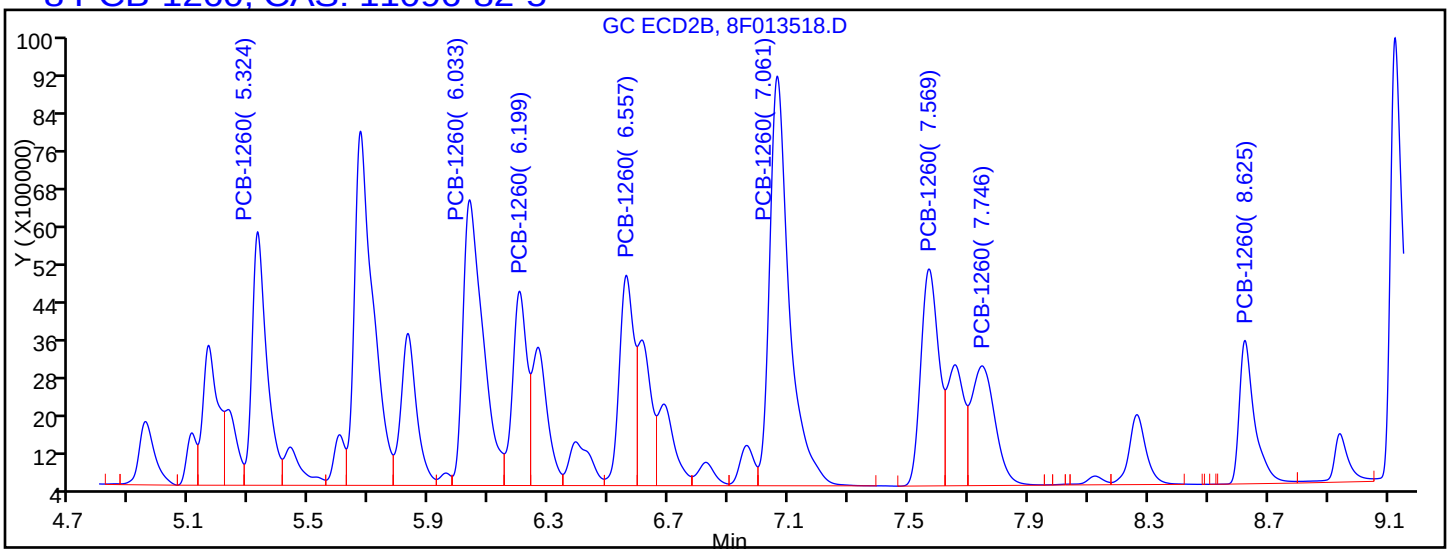
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

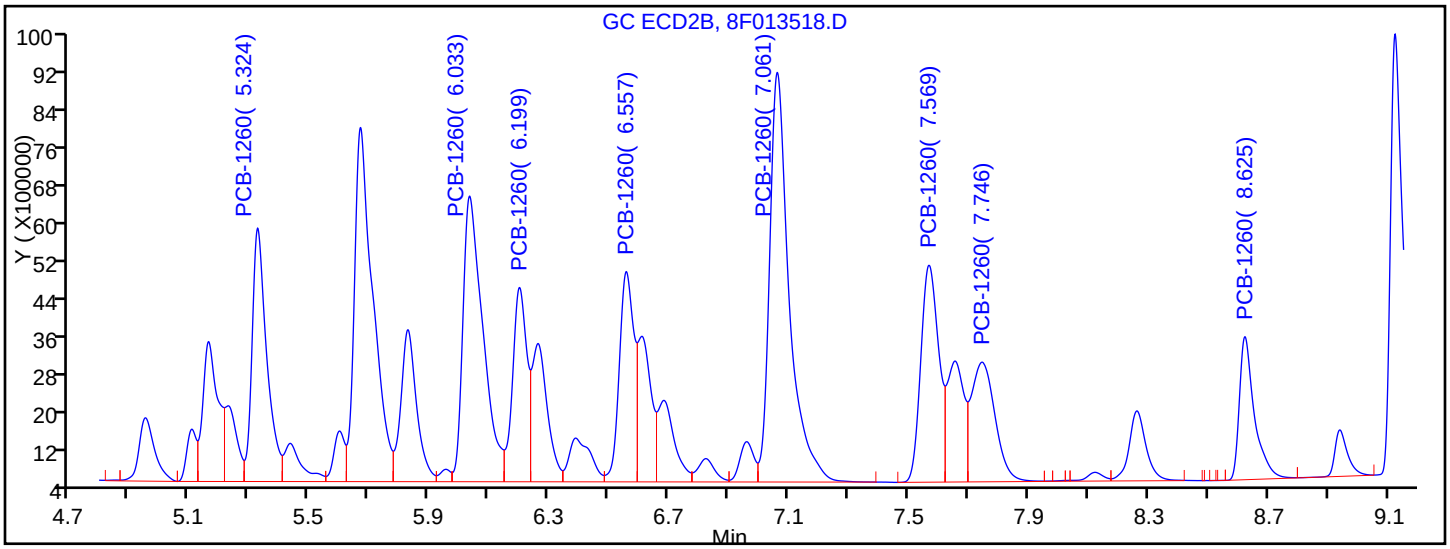
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.324	Response = 18363105	
RT = 6.033	Response = 28229206	
RT = 6.199	Response = 13684035	
RT = 6.557	Response = 15245706	
RT = 7.061	Response = 39571391	
RT = 7.569	Response = 19191331	
RT = 7.746	Response = 13858505	
RT = 8.625	Response = 10754314	M



Manual Integration Results

RT = 5.324	Response = 18363105
RT = 6.033	Response = 28229206
RT = 6.199	Response = 13684035
RT = 6.557	Response = 15245706
RT = 7.061	Response = 39571391
RT = 7.569	Response = 19191331

Manual Integration/User Assign Peak Report

TestAmerica Edison

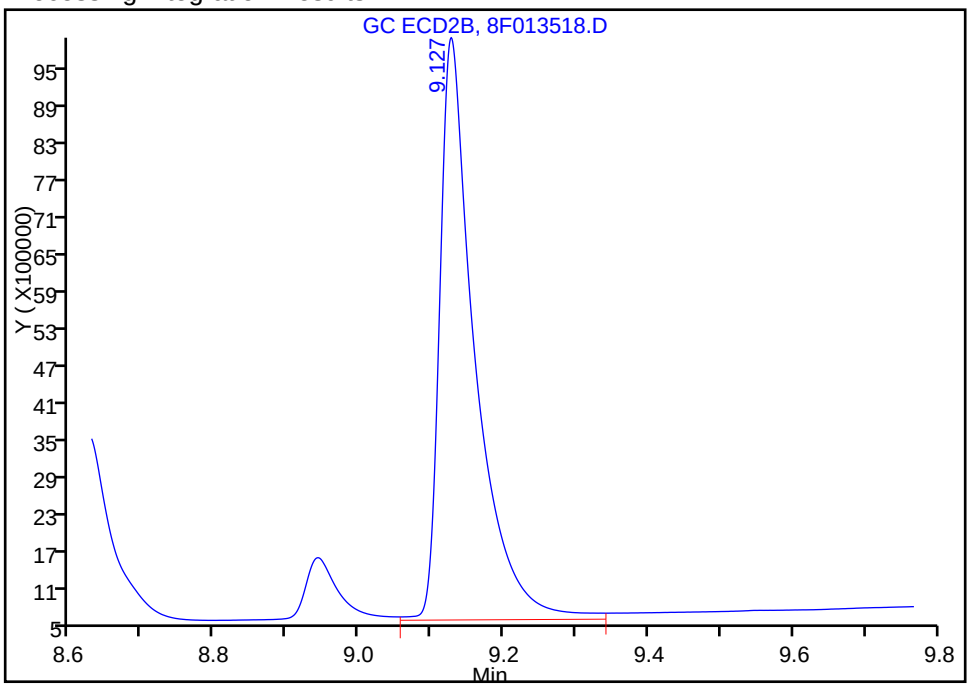
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013518.D				
Injection Date:	23-Aug-2016 07:35:00	Instrument ID:	CPESTGC8		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

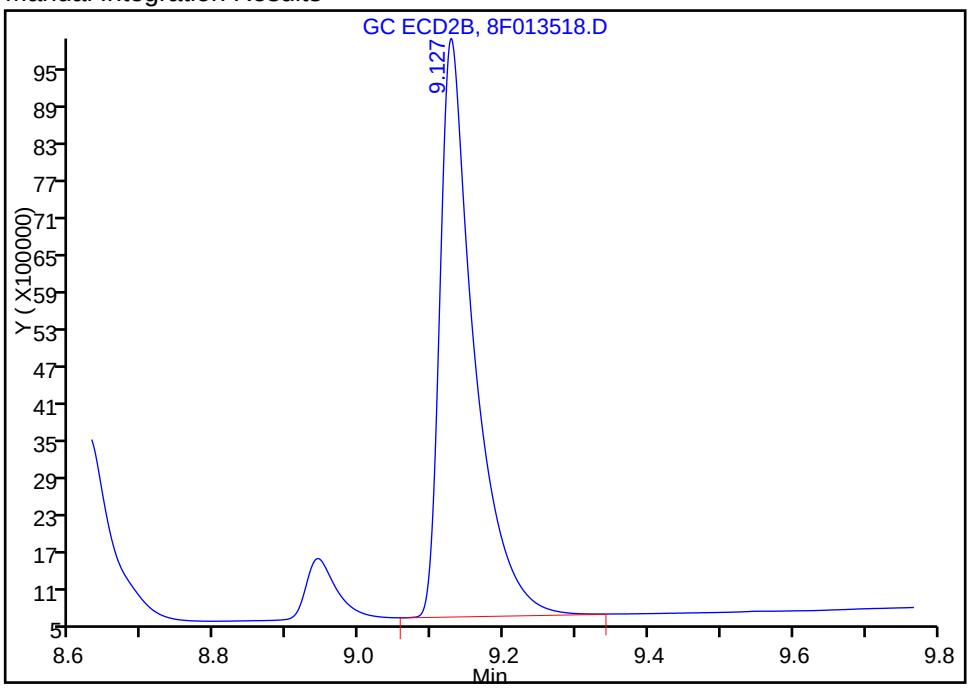
Processing Integration Results

RT: 9.13
Area: 31973062
Amount: 118.1879
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 30754080
Amount: 106.8294
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:40:29

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386320/3 Calibration Date: 08/23/2016 13:16

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F013538.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0190	0.0186		974	1000	-2.6	20.0
PCB-1016 Peak 2	Ave	0.0389	0.0373		958	1000	-4.2	20.0
PCB-1016 Peak 3	Ave	0.0204	0.0192		944	1000	-5.6	20.0
PCB-1016 Peak 4	Ave	0.0707	0.0688		973	1000	-2.7	20.0
PCB-1016 Peak 5	Ave	0.0312	0.0300		964	1000	-3.6	20.0
PCB-1016 Peak 6	Ave	0.0221	0.0198		893	1000	-10.7	20.0
PCB-1016 Peak 7	Ave	0.0294	0.0275		933	1000	-6.7	20.0
PCB-1016 Peak 8	Ave	0.0228	0.0239		1050	1000	4.6	20.0
PCB-1260 Peak 1	Ave	0.0257	0.0252		980	1000	-2.0	20.0
PCB-1260 Peak 2	Ave	0.0520	0.0516		991	1000	-0.9	20.0
PCB-1260 Peak 3	Ave	0.0623	0.0627		1000	1000	0.5	20.0
PCB-1260 Peak 4	Ave	0.0419	0.0442		1050	1000	5.5	20.0
PCB-1260 Peak 5	Ave	0.0407	0.0412		1010	1000	1.1	20.0
PCB-1260 Peak 6	Ave	0.1016	0.1026		1010	1000	1.0	20.0
PCB-1260 Peak 7	Ave	0.1027	0.1018		990	1000	-1.0	20.0
PCB-1260 Peak 8	Ave	0.0310	0.0305		981	1000	-1.9	20.0
Tetrachloro-m-xylene	Ave	0.8362	0.8058		96.4	100	-3.6	20.0
DCB Decachlorobiphenyl	Ave	0.9274	0.8888		95.8	100	-4.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386320/3 Calibration Date: 08/23/2016 13:16

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F013538.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.21	3.18	3.24
PCB-1016 Peak 2	3.73	3.70	3.76
PCB-1016 Peak 3	4.02	3.99	4.05
PCB-1016 Peak 4	4.29	4.26	4.32
PCB-1016 Peak 5	4.46	4.43	4.49
PCB-1016 Peak 6	5.05	5.02	5.08
PCB-1016 Peak 7	5.20	5.17	5.23
PCB-1016 Peak 8	5.58	5.55	5.61
PCB-1260 Peak 1	6.58	6.55	6.61
PCB-1260 Peak 2	6.84	6.81	6.87
PCB-1260 Peak 3	7.21	7.18	7.24
PCB-1260 Peak 4	8.11	8.08	8.14
PCB-1260 Peak 5	8.53	8.50	8.56
PCB-1260 Peak 6	8.85	8.82	8.88
PCB-1260 Peak 7	9.23	9.20	9.26
PCB-1260 Peak 8	9.76	9.73	9.79
Tetrachloro-m-xylene	2.59	2.56	2.62
DCB Decachlorobiphenyl	10.23	10.20	10.26

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013538.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 13:16:11 ALS Bottle#: 23 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-023
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:29:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.625	1.625	0.000	5594696	20.0	20.0	
2	1.358	1.358	0.000	6310938	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.593	2.593	0.000	22541019	100.0	96.4	
2	2.007	2.007	0.000	23149544	100.0	93.4	
						RPD = 3.15	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.212	3.212	0.000	5187997	1000.0	973.9	
1	3.725	3.725	0.000	10428706	1000.0	958.0	
1	4.017	4.017	0.000	5378202	1000.0	943.7	
1	4.290	4.290	0.000	19257121	1000.0	973.3	
1	4.460	4.460	0.000	8401066	1000.0	963.8	
1	5.050	5.050	0.000	5529365	1000.0	893.4	M
1	5.203	5.203	0.000	7681803	1000.0	933.2	M
1	5.583	5.583	0.000	6681024	1000.0	1046.3	M
		Average of Peak Amounts =				960.7	
2	2.386	2.386	0.000	5468833	1000.0	1057.3	
2	2.766	2.766	0.000	10346847	1000.0	1038.4	
2	2.978	2.978	0.000	7054347	1000.0	1050.4	
2	3.273	3.273	0.000	21090925	1000.0	1030.4	
2	3.424	3.424	0.000	7896790	1000.0	1032.1	
2	3.490	3.490	0.000	6104338	1000.0	1076.5	
2	3.898	3.898	0.000	8952780	1000.0	1060.6	
2	4.338	4.338	0.000	4636062	1000.0	1091.1	
		Average of Peak Amounts =				1054.6	
						RPD = 9.32	
8 PCB-1260							M
1	6.579	6.579	0.000	7037121	1000.0	979.6	M
1	6.837	6.837	0.000	14430166	1000.0	991.1	M
1	7.210	7.210	0.000	17524737	1000.0	1004.9	M
1	8.106	8.106	0.000	12363866	1000.0	1054.5	M
1	8.533	8.533	0.000	11521957	1000.0	1011.2	M
1	8.849	8.849	0.000	28705348	1000.0	1010.2	M
1	9.228	9.228	0.000	28463354	1000.0	990.3	
1	9.758	9.758	0.000	8518668	1000.0	981.1	
		Average of Peak Amounts =				1002.9	
2	5.328	5.328	0.000	15399569	1000.0	1055.1	
2	6.037	6.037	0.000	23730898	1000.0	982.2	
2	6.203	6.203	0.000	12598256	1000.0	963.9	
2	6.561	6.561	0.000	12672103	1000.0	901.3	
2	7.067	7.067	0.000	33807595	1000.0	1021.2	
2	7.576	7.576	0.000	16117863	1000.0	1015.2	
2	7.753	7.753	0.000	11963053	1000.0	1128.4	
2	8.631	8.631	0.000	9164593	1000.0	1103.9	
		Average of Peak Amounts =				1021.4	
						RPD = 1.83	
$ 11 DCB Decachlorobiphenyl							M
1	10.227	10.227	0.000	24862659	100.0	95.8	
2	9.134	9.134	0.000	27342129	100.0	107.3	M
						RPD = 11.29	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

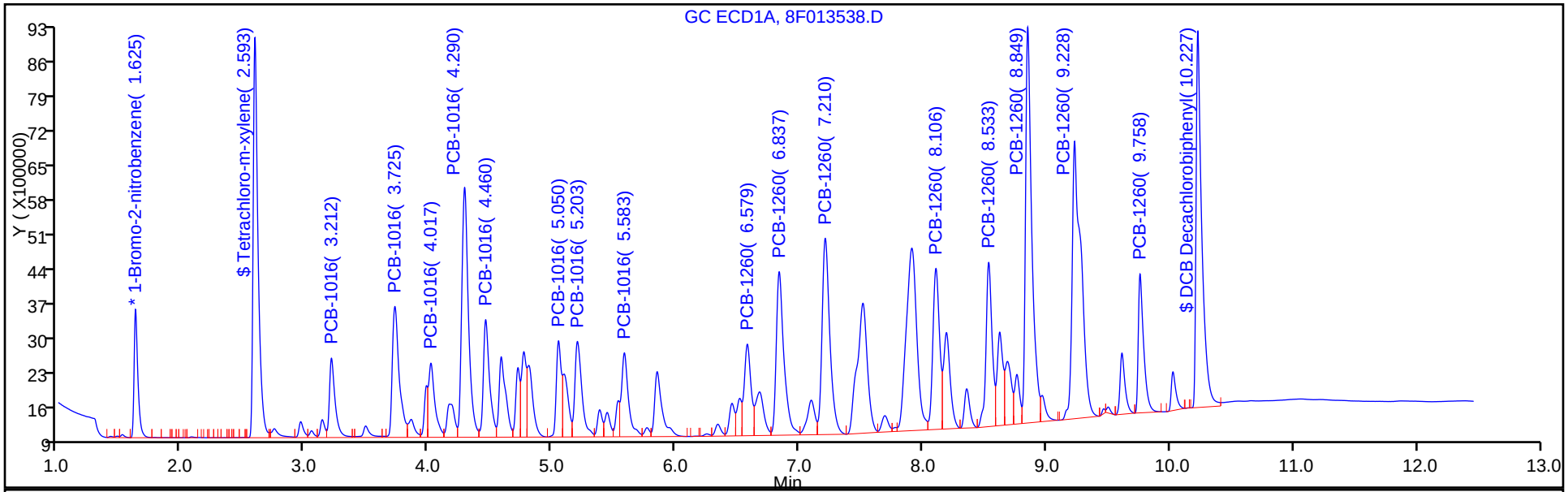
SG1660L3_00029	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

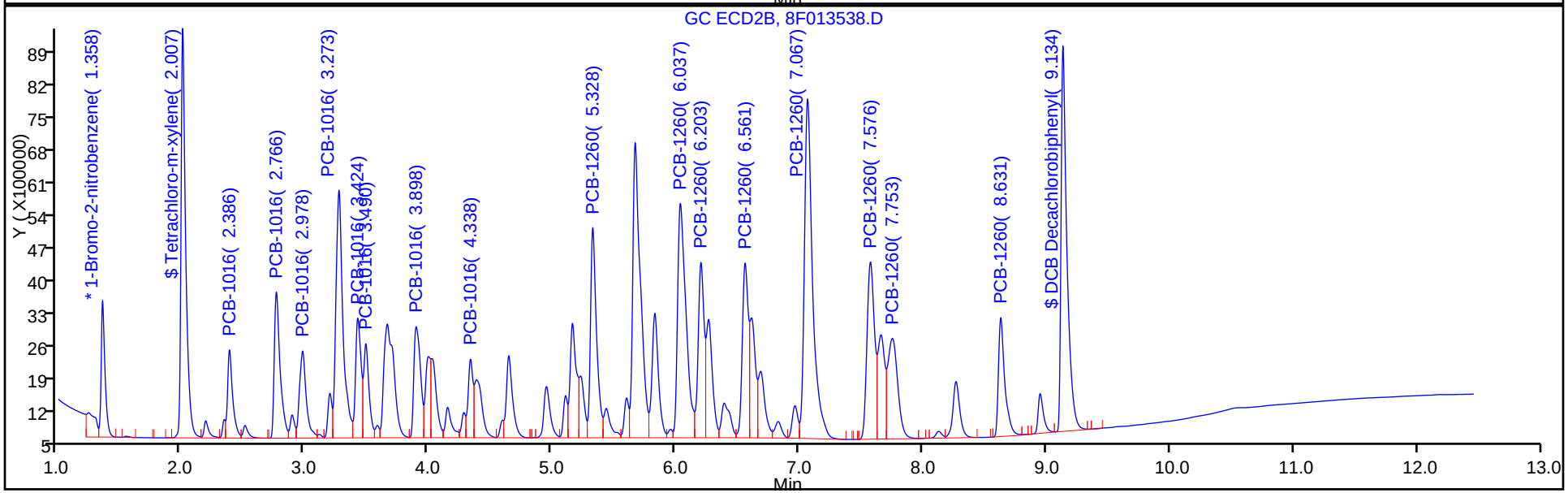
Report Date: 24-Aug-2016 11:22:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013538.D

Injection Date:	23-Aug-2016 13:16:11	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 24-Aug-2016 11:22:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013538.D

Injection Date: 23-Aug-2016 13:16:11 Instrument ID: CPESTGC8

Lims ID: CCVIS

Client ID:

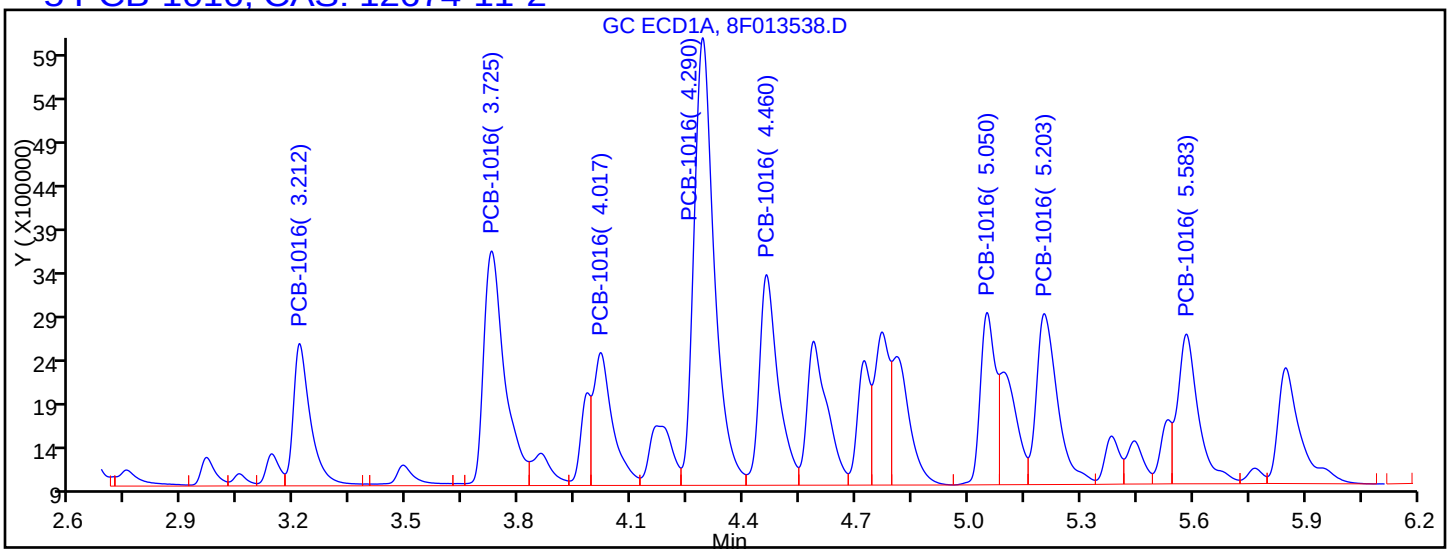
Operator ID: ALS Bottle#: 23 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

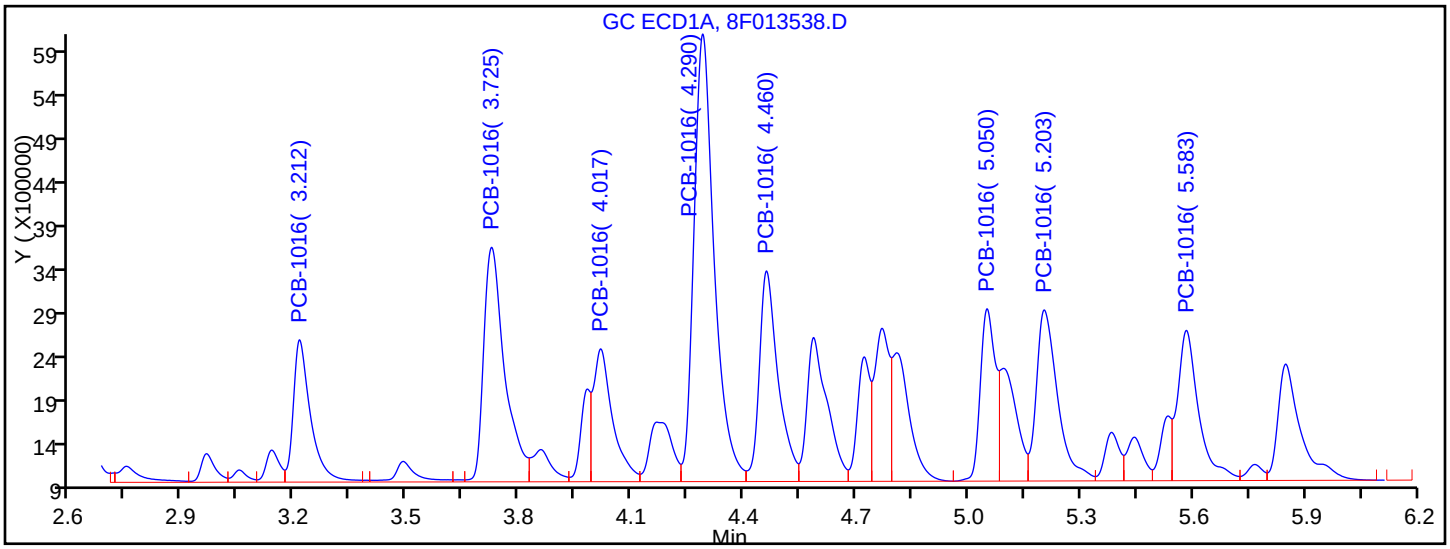
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.212	Response = 5187997	
RT = 3.725	Response = 10428706	
RT = 4.017	Response = 5378202	
RT = 4.290	Response = 19257121	
RT = 4.460	Response = 8401066	
RT = 5.050	Response = 5526283	M
RT = 5.203	Response = 7657633	M
RT = 5.583	Response = 6609122	M



Manual Integration Results

RT = 3.212	Response = 5187997	
RT = 3.725	Response = 10428706	
RT = 4.017	Response = 5378202	
RT = 4.290	Response = 19257121	
RT = 4.460	Response = 8401066	
RT = 5.050	Response = 5529365	M

Report Date: 24-Aug-2016 11:22:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013538.D

Injection Date: 23-Aug-2016 13:16:11 Instrument ID: CPESTGC8

Lims ID: CCVIS

Client ID:

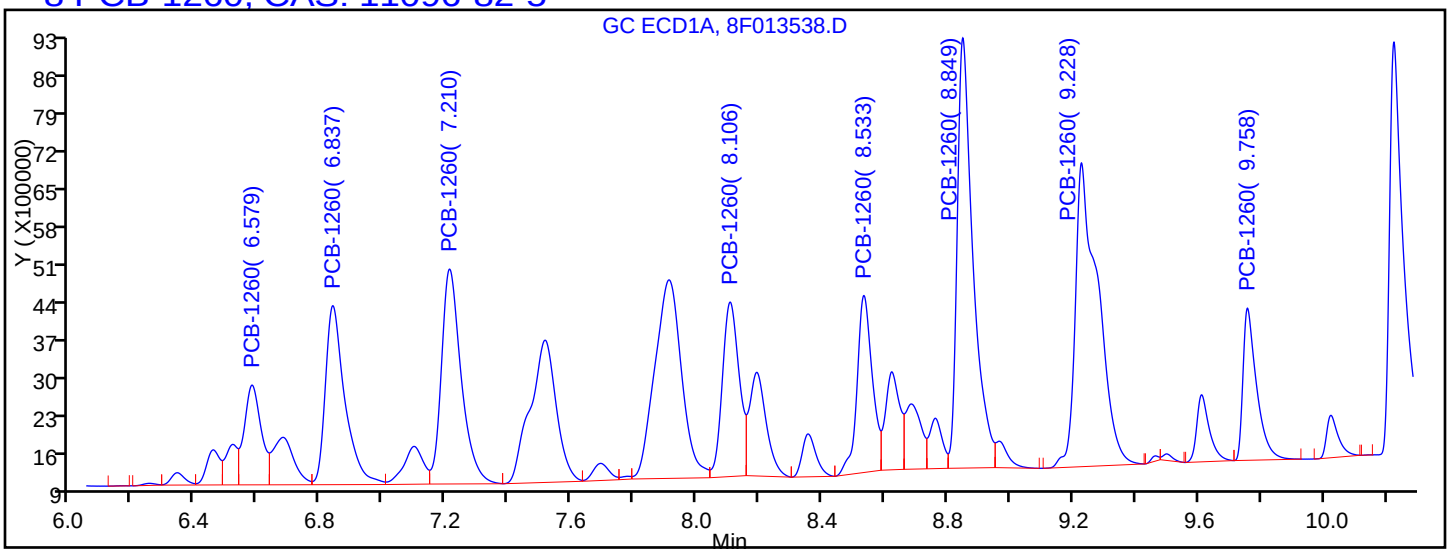
Operator ID: ALS Bottle#: 23 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

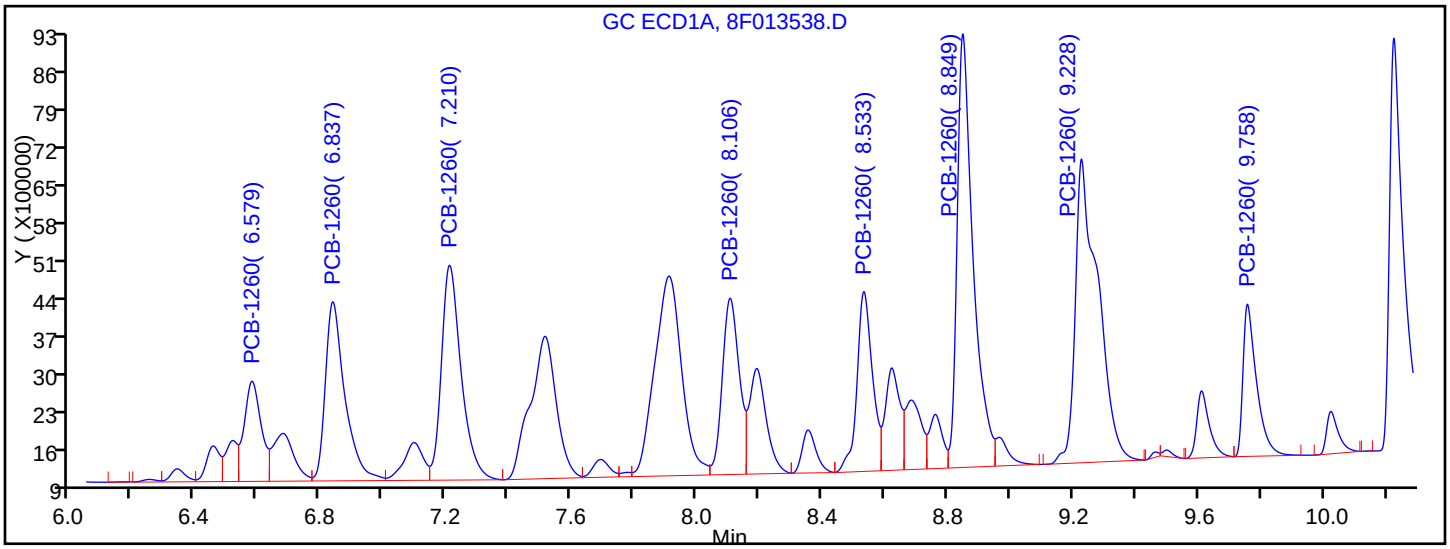
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.579	Response = 6987423	M
RT = 6.837	Response = 14413359	M
RT = 7.210	Response = 17518528	M
RT = 8.106	Response = 12129191	M
RT = 8.533	Response = 11144876	M
RT = 8.849	Response = 28196614	M
RT = 9.228	Response = 28463354	
RT = 9.758	Response = 8518668	



Manual Integration Results

RT = 6.579	Response = 7037121	M
RT = 6.837	Response = 14430166	M
RT = 7.210	Response = 17524737	M
RT = 8.106	Response = 12363866	M
RT = 8.533	Response = 11521957	M
RT = 8.849	Response = 28705348	M

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386320/3 Calibration Date: 08/23/2016 13:16

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F013538.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0164	0.0173		1060	1000	5.7	20.0
PCB-1016 Peak 2	Ave	0.0316	0.0328		1040	1000	3.8	20.0
PCB-1016 Peak 3	Ave	0.0213	0.0224		1050	1000	5.0	20.0
PCB-1016 Peak 4	Ave	0.0649	0.0668		1030	1000	3.0	20.0
PCB-1016 Peak 5	Ave	0.0242	0.0250		1030	1000	3.2	20.0
PCB-1016 Peak 6	Ave	0.0180	0.0194		1080	1000	7.7	20.0
PCB-1016 Peak 7	Ave	0.0267	0.0284		1060	1000	6.1	20.0
PCB-1016 Peak 8	Ave	0.0135	0.0147		1090	1000	9.1	20.0
PCB-1260 Peak 1	Ave	0.0463	0.0488		1060	1000	5.5	20.0
PCB-1260 Peak 2	Ave	0.0766	0.0752		982	1000	-1.8	20.0
PCB-1260 Peak 3	Ave	0.0414	0.0399		964	1000	-3.6	20.0
PCB-1260 Peak 4	Ave	0.0446	0.0402		901	1000	-9.9	20.0
PCB-1260 Peak 5	Ave	0.1049	0.1071		1020	1000	2.1	20.0
PCB-1260 Peak 6	Ave	0.0503	0.0511		1020	1000	1.5	20.0
PCB-1260 Peak 7	Ave	0.0336	0.0379		1130	1000	12.8	20.0
PCB-1260 Peak 8	Ave	0.0263	0.0290		1100	1000	10.4	20.0
Tetrachloro-m-xylene	Ave	0.7857	0.7336		93.4	100	-6.6	20.0
DCB Decachlorobiphenyl	Ave	0.8076	0.8665		107	100	7.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: CCVIS 460-386320/3 Calibration Date: 08/23/2016 13:16

Instrument ID: CPESTGC8 Calib Start Date: 06/14/2016 10:01

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/14/2016 11:04

Lab File ID: 8F013538.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.39	2.36	2.42
PCB-1016 Peak 2	2.77	2.74	2.80
PCB-1016 Peak 3	2.98	2.95	3.01
PCB-1016 Peak 4	3.27	3.24	3.30
PCB-1016 Peak 5	3.42	3.39	3.45
PCB-1016 Peak 6	3.49	3.46	3.52
PCB-1016 Peak 7	3.90	3.87	3.93
PCB-1016 Peak 8	4.34	4.31	4.37
PCB-1260 Peak 1	5.33	5.30	5.36
PCB-1260 Peak 2	6.04	6.01	6.07
PCB-1260 Peak 3	6.20	6.17	6.23
PCB-1260 Peak 4	6.56	6.53	6.59
PCB-1260 Peak 5	7.07	7.04	7.10
PCB-1260 Peak 6	7.58	7.55	7.61
PCB-1260 Peak 7	7.75	7.72	7.78
PCB-1260 Peak 8	8.63	8.60	8.66
Tetrachloro-m-xylene	2.01	1.98	2.04
DCB Decachlorobiphenyl	9.13	9.10	9.16

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013538.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2016 13:16:11 ALS Bottle#: 23 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-023
Operator ID: Instrument ID: CPESTGC8
Sublist: chrom-8082ISTD*sub1

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:29:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.625	1.625	0.000	5594696	20.0	20.0	
2	1.358	1.358	0.000	6310938	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.593	2.593	0.000	22541019	100.0	96.4	
2	2.007	2.007	0.000	23149544	100.0	93.4	
						RPD = 3.15	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.212	3.212	0.000	5187997	1000.0	973.9	
1	3.725	3.725	0.000	10428706	1000.0	958.0	
1	4.017	4.017	0.000	5378202	1000.0	943.7	
1	4.290	4.290	0.000	19257121	1000.0	973.3	
1	4.460	4.460	0.000	8401066	1000.0	963.8	
1	5.050	5.050	0.000	5529365	1000.0	893.4	M
1	5.203	5.203	0.000	7681803	1000.0	933.2	M
1	5.583	5.583	0.000	6681024	1000.0	1046.3	M
		Average of Peak Amounts =				960.7	
2	2.386	2.386	0.000	5468833	1000.0	1057.3	
2	2.766	2.766	0.000	10346847	1000.0	1038.4	
2	2.978	2.978	0.000	7054347	1000.0	1050.4	
2	3.273	3.273	0.000	21090925	1000.0	1030.4	
2	3.424	3.424	0.000	7896790	1000.0	1032.1	
2	3.490	3.490	0.000	6104338	1000.0	1076.5	
2	3.898	3.898	0.000	8952780	1000.0	1060.6	
2	4.338	4.338	0.000	4636062	1000.0	1091.1	
		Average of Peak Amounts =				1054.6	
						RPD = 9.32	
8 PCB-1260							M
1	6.579	6.579	0.000	7037121	1000.0	979.6	M
1	6.837	6.837	0.000	14430166	1000.0	991.1	M
1	7.210	7.210	0.000	17524737	1000.0	1004.9	M
1	8.106	8.106	0.000	12363866	1000.0	1054.5	M
1	8.533	8.533	0.000	11521957	1000.0	1011.2	M
1	8.849	8.849	0.000	28705348	1000.0	1010.2	M
1	9.228	9.228	0.000	28463354	1000.0	990.3	
1	9.758	9.758	0.000	8518668	1000.0	981.1	
		Average of Peak Amounts =				1002.9	
2	5.328	5.328	0.000	15399569	1000.0	1055.1	
2	6.037	6.037	0.000	23730898	1000.0	982.2	
2	6.203	6.203	0.000	12598256	1000.0	963.9	
2	6.561	6.561	0.000	12672103	1000.0	901.3	
2	7.067	7.067	0.000	33807595	1000.0	1021.2	
2	7.576	7.576	0.000	16117863	1000.0	1015.2	
2	7.753	7.753	0.000	11963053	1000.0	1128.4	
2	8.631	8.631	0.000	9164593	1000.0	1103.9	
		Average of Peak Amounts =				1021.4	
						RPD = 1.83	
$ 11 DCB Decachlorobiphenyl							M
1	10.227	10.227	0.000	24862659	100.0	95.8	
2	9.134	9.134	0.000	27342129	100.0	107.3	M
						RPD = 11.29	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

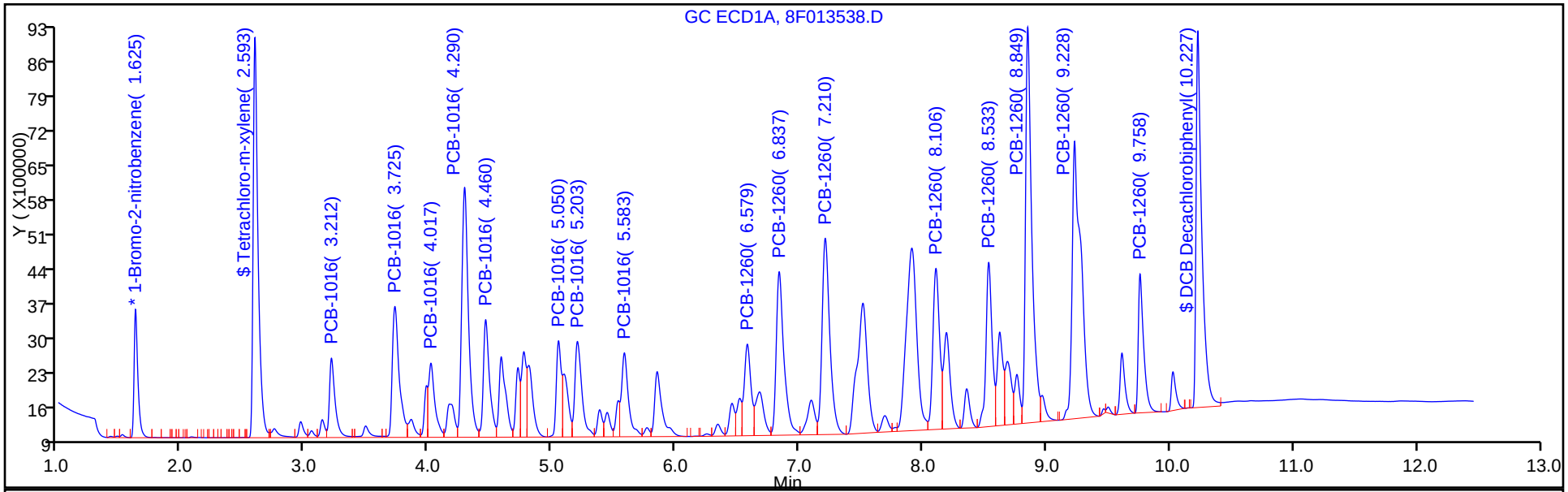
SG1660L3_00029	Amount Added:	1.00	Units: mL	
SGPCBISTD_00006	Amount Added:	20.00	Units: uL	Run Reagent

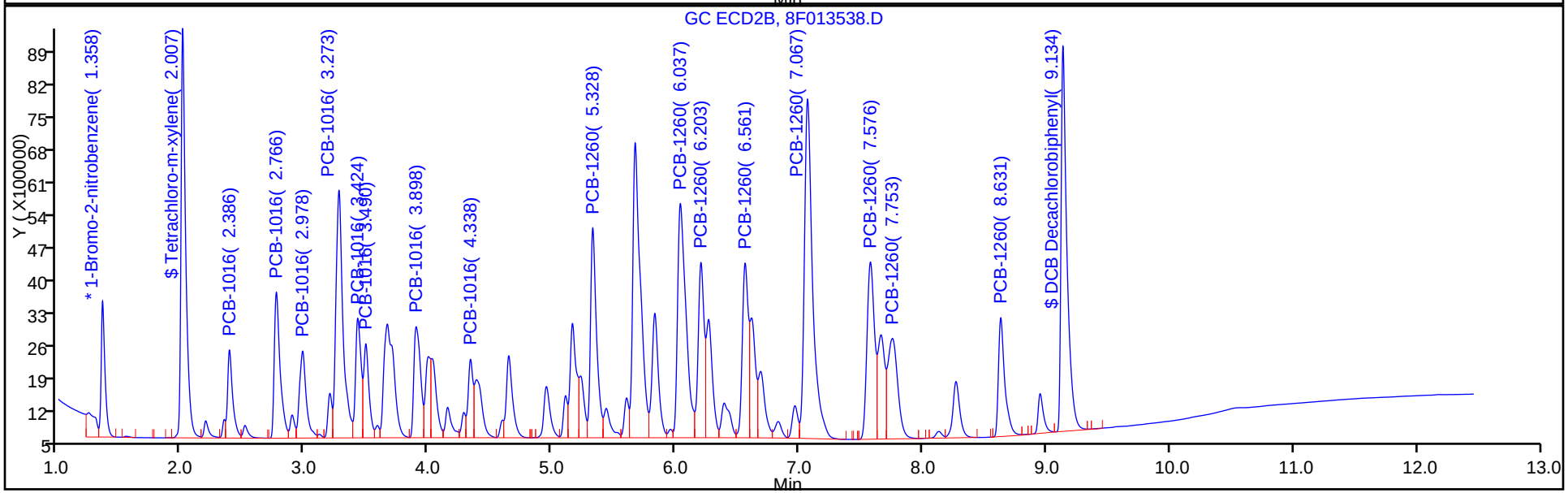
Report Date: 24-Aug-2016 11:22:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013538.D

Injection Date:	23-Aug-2016 13:16:11	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

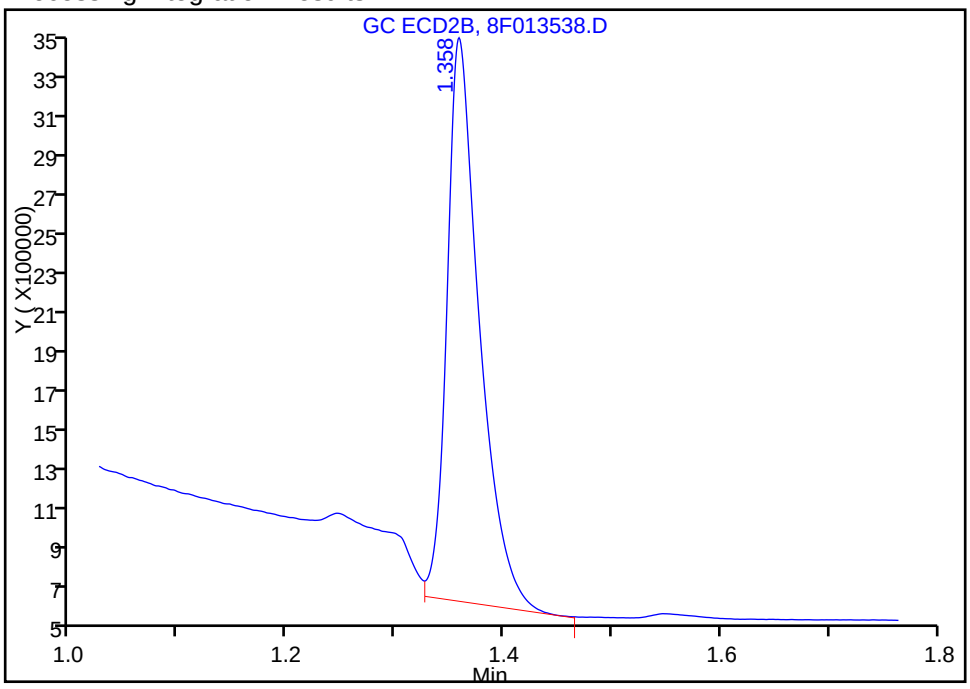
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013538.D				
Injection Date:	23-Aug-2016 13:16:11	Instrument ID:	CPESTGC8		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

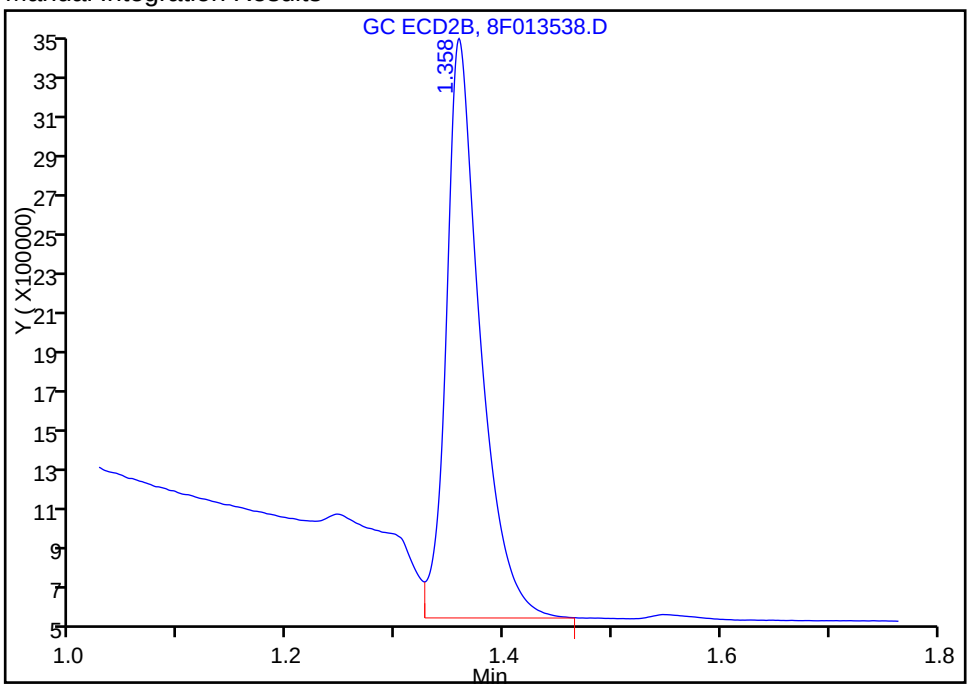
Processing Integration Results

RT: 1.36
Area: 5895855
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 6310938
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:29:02
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

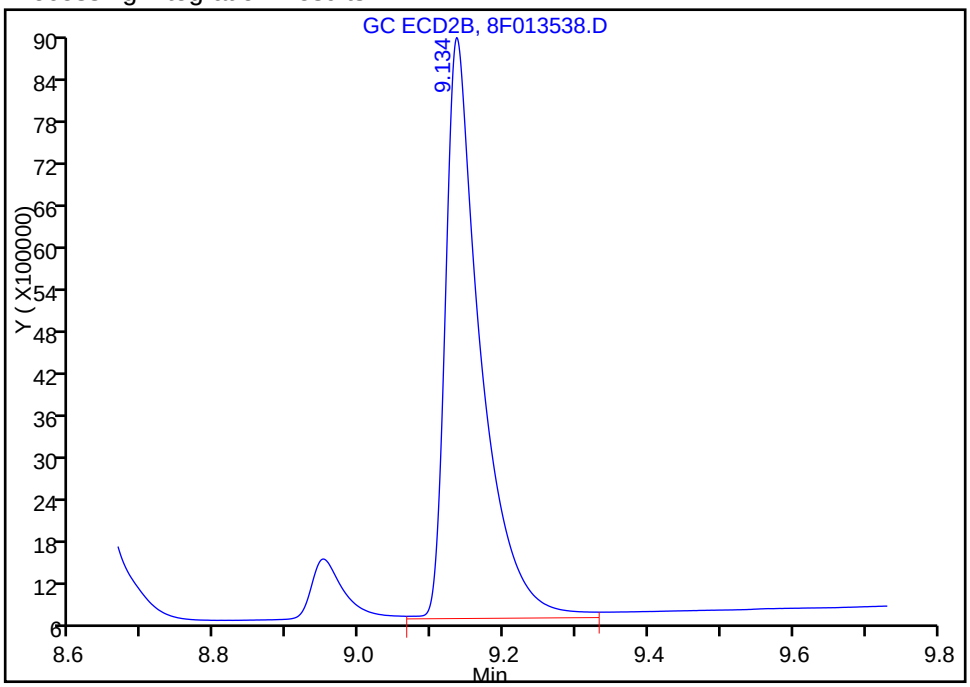
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013538.D				
Injection Date:	23-Aug-2016 13:16:11	Instrument ID:	CPESTGC8		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

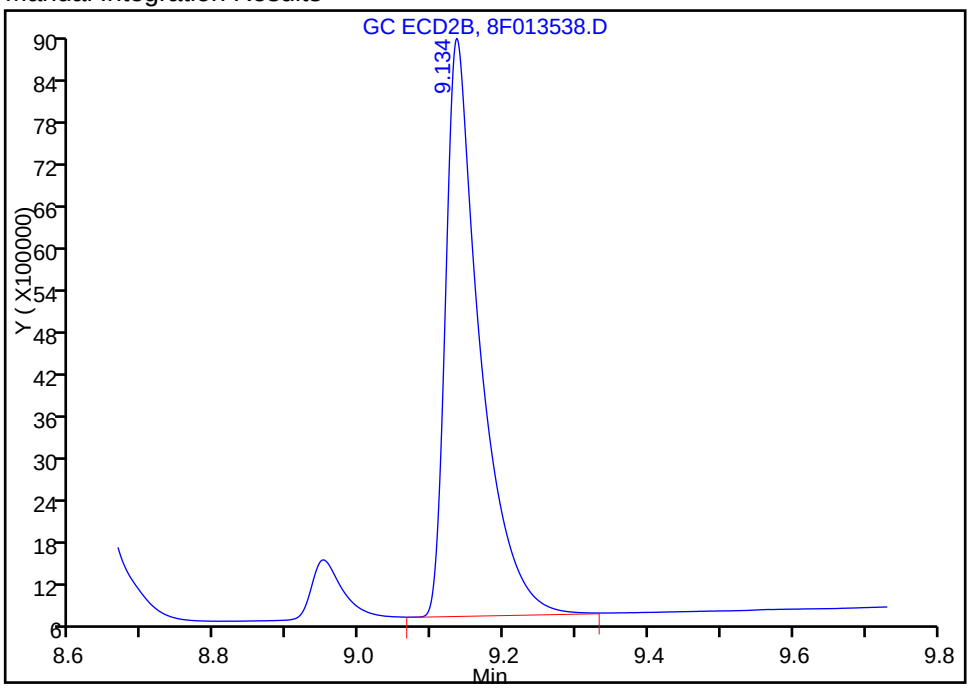
Processing Integration Results

RT: 9.13
Area: 28140593
Amount: 118.2057
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 27342129
Amount: 107.2977
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:29:02

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386152/1-A

Matrix: Water | Lab File ID: 8F013519.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 07:59

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	119		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D
Lims ID: MB 460-386152/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2016 07:59:09 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 08:42:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.628	1.622	0.006	4248742	20.0	20.0	M
2	1.366	1.357	0.009	5764906	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.595	2.588	0.007	17865630	100.0	100.6	M
2	2.009	2.006	0.003	18558090	100.0	81.9	M
						RPD = 20.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.243	10.210	0.033	23531384	100.0	119.4	M
2	9.139	9.127	0.012	26492481	100.0	113.8	M
						RPD = 4.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

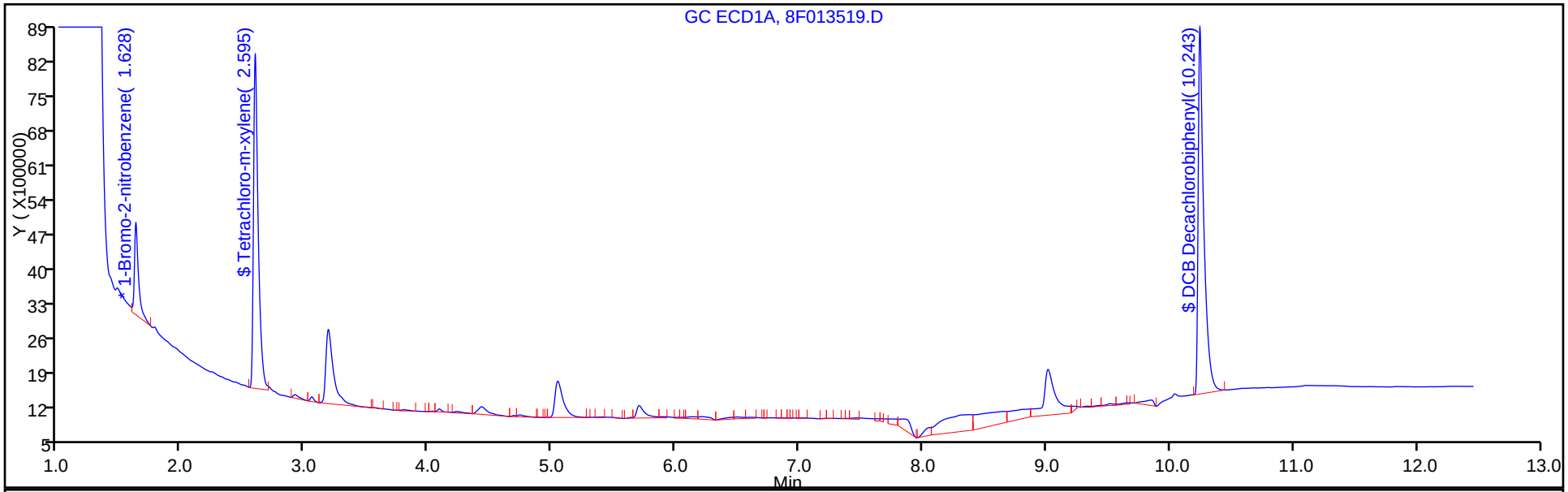
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

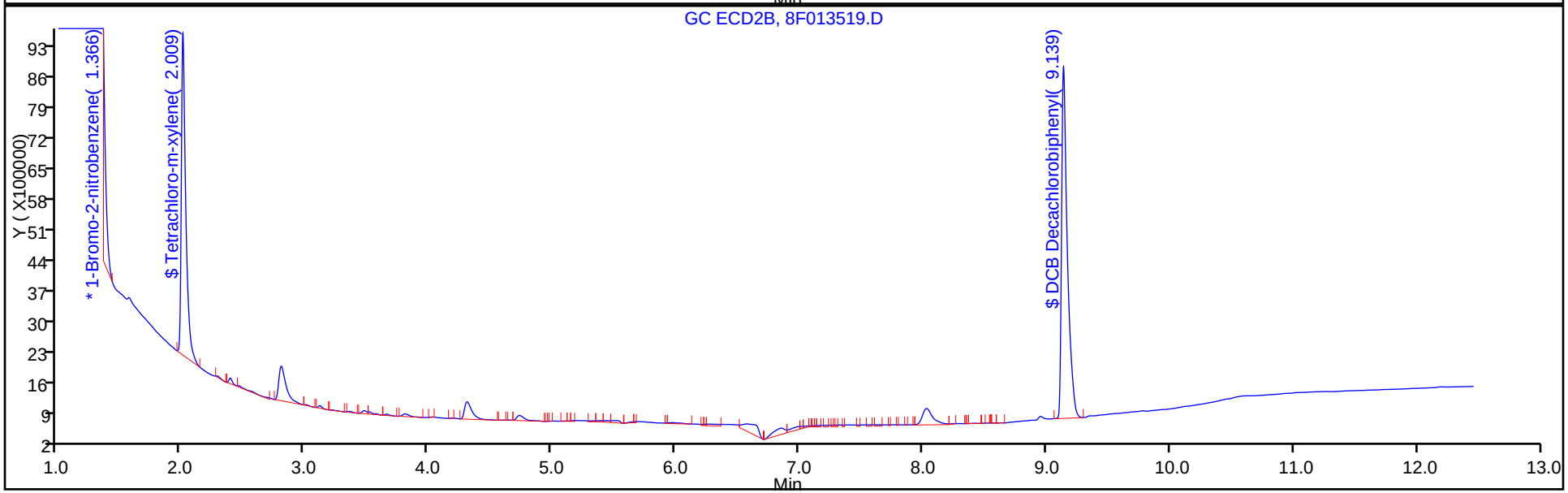
Report Date: 23-Aug-2016 14:53:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D

Injection Date:	23-Aug-2016 07:59:09	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	MB 460-386152/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

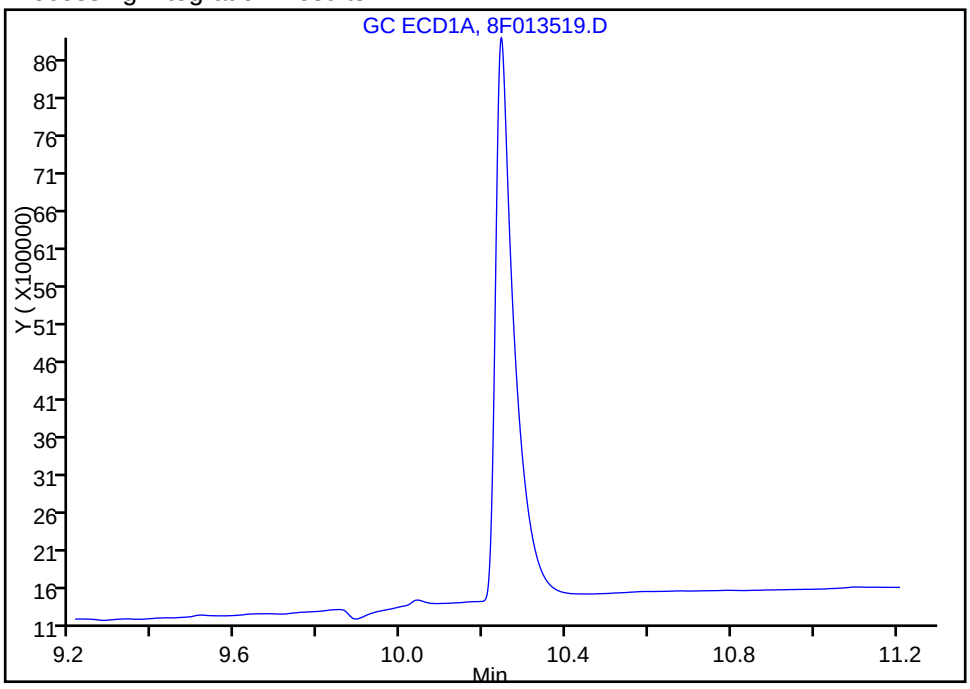
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D				
Injection Date:	23-Aug-2016 07:59:09	Instrument ID:	CPESTGC8		
Lims ID:	MB 460-386152/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

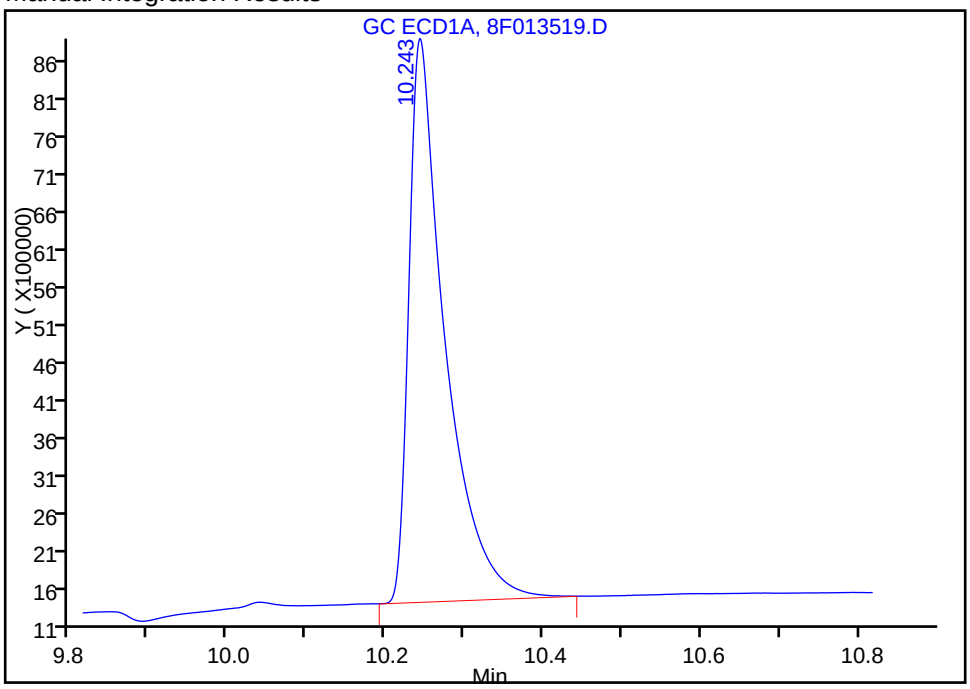
Not Detected
Expected RT: 10.21

Processing Integration Results



Manual Integration Results

RT: 10.24
Area: 23531384
Amount: 119.4344
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:42:01
Audit Action: Assigned Compound ID Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D

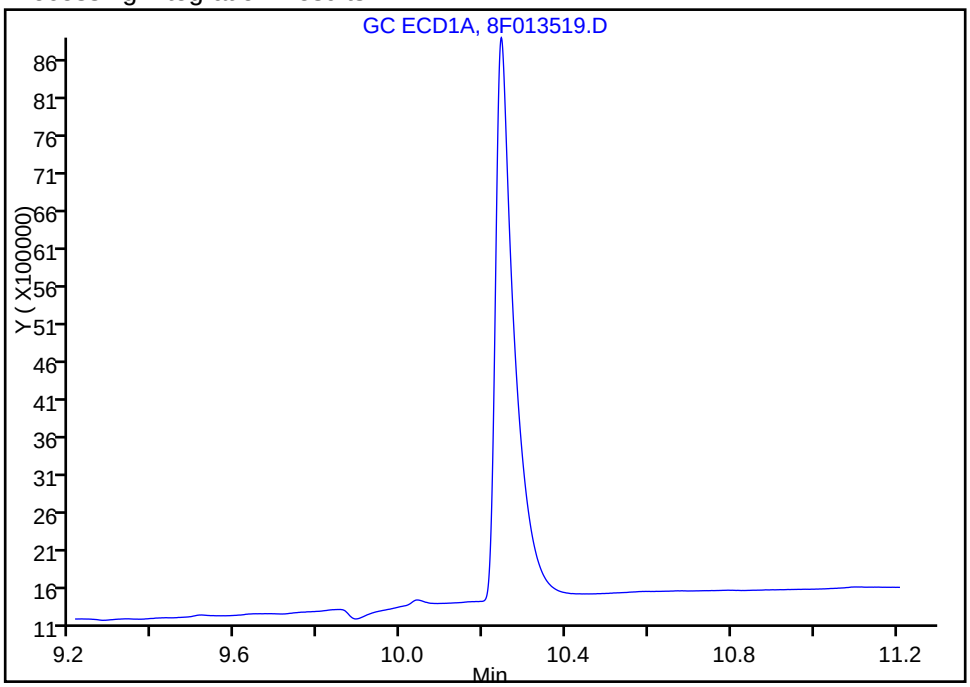
Injection Date:	23-Aug-2016 07:59:09	Instrument ID:	CPESTGC8
Lims ID:	MB 460-386152/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	4 Worklist Smp#: 4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD
Column:		Detector	GC ECD1A

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

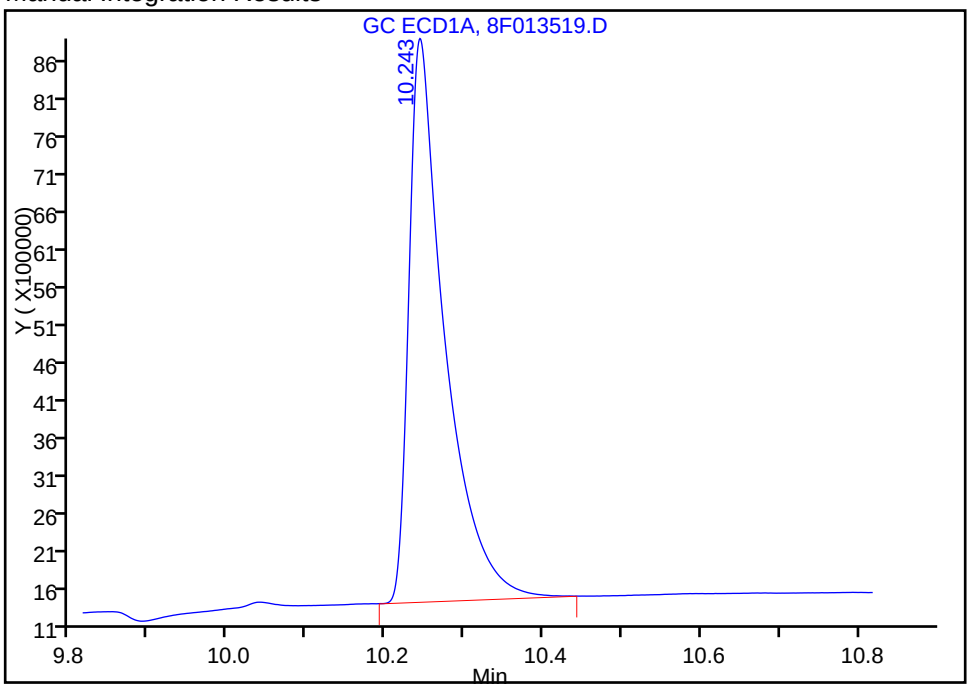
Processing Integration Results

Not Detected
Expected RT: 10.21



Manual Integration Results

RT: 10.24
Area: 23531384
Amount: 119.4344
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:42:01
Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

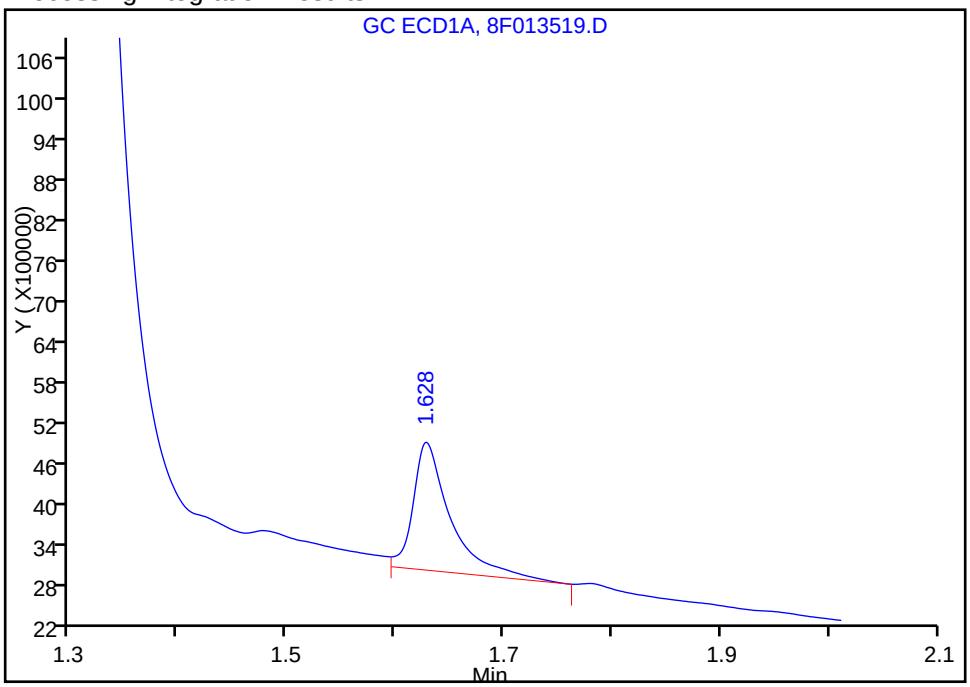
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D
Injection Date: 23-Aug-2016 07:59:09 Instrument ID: CPESTGC8
Lims ID: MB 460-386152/1-A
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

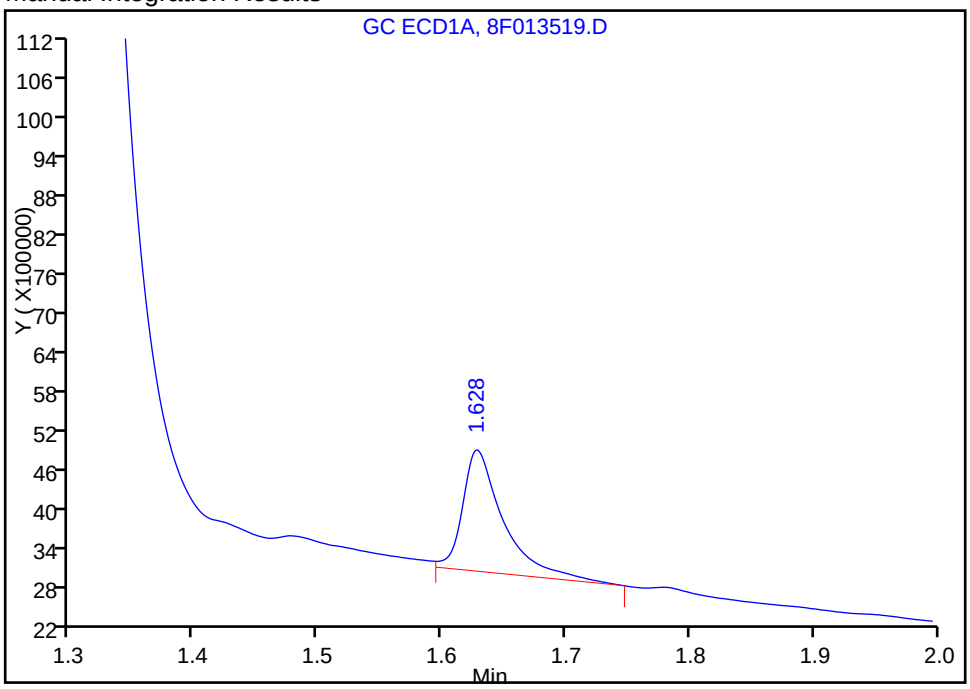
Processing Integration Results

RT: 1.63
Area: 4563384
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 4248742
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:42:01
Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386152/1-A

Matrix: Water | Lab File ID: 8F013519.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 07:59

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.098
11104-28-2	Aroclor 1221	0.40	U	0.40	0.098
11141-16-5	Aroclor 1232	0.40	U	0.40	0.098
53469-21-9	Aroclor 1242	0.40	U	0.40	0.098
12672-29-6	Aroclor 1248	0.40	U	0.40	0.098
11097-69-1	Aroclor 1254	0.40	U	0.40	0.084
11096-82-5	Aroclor 1260	0.40	U	0.40	0.084
11100-14-4	Aroclor 1268	0.40	U	0.40	0.084
37324-23-5	Aroclor-1262	0.40	U	0.40	0.084
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.098

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	114		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D
Lims ID: MB 460-386152/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2016 07:59:09 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 08:42:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.628	1.622	0.006	4248742	20.0	20.0	M
2	1.366	1.357	0.009	5764906	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.595	2.588	0.007	17865630	100.0	100.6	M
2	2.009	2.006	0.003	18558090	100.0	81.9	M
						RPD = 20.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.243	10.210	0.033	23531384	100.0	119.4	M
2	9.139	9.127	0.012	26492481	100.0	113.8	M
						RPD = 4.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

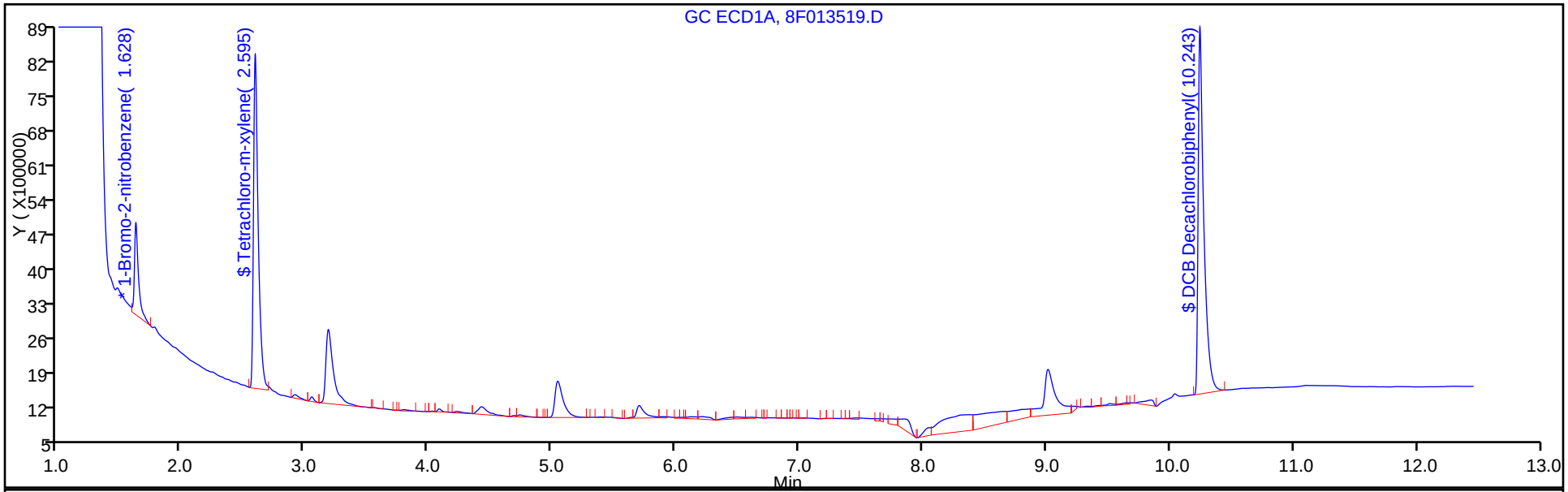
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

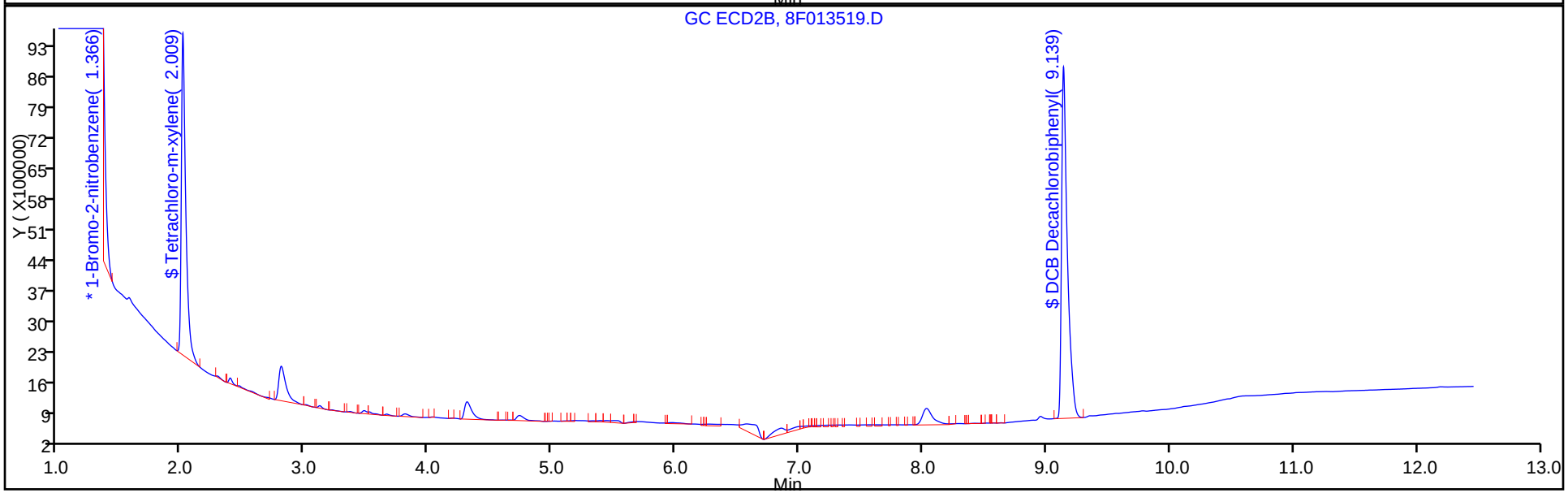
Report Date: 23-Aug-2016 14:53:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D

Injection Date:	23-Aug-2016 07:59:09	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	MB 460-386152/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

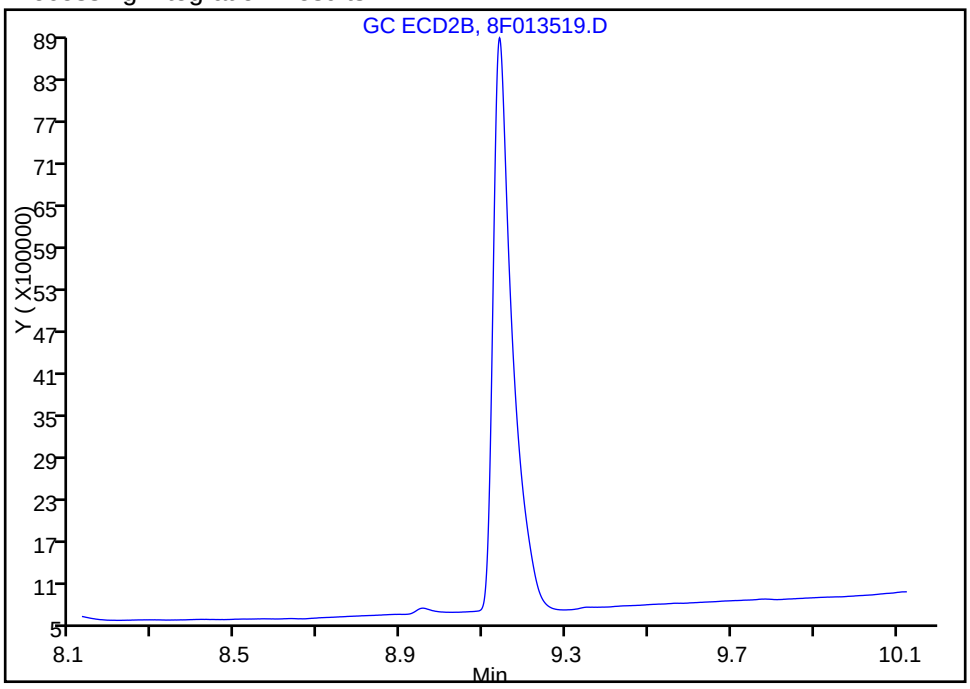
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D
Injection Date: 23-Aug-2016 07:59:09 Instrument ID: CPESTGC8
Lims ID: MB 460-386152/1-A
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

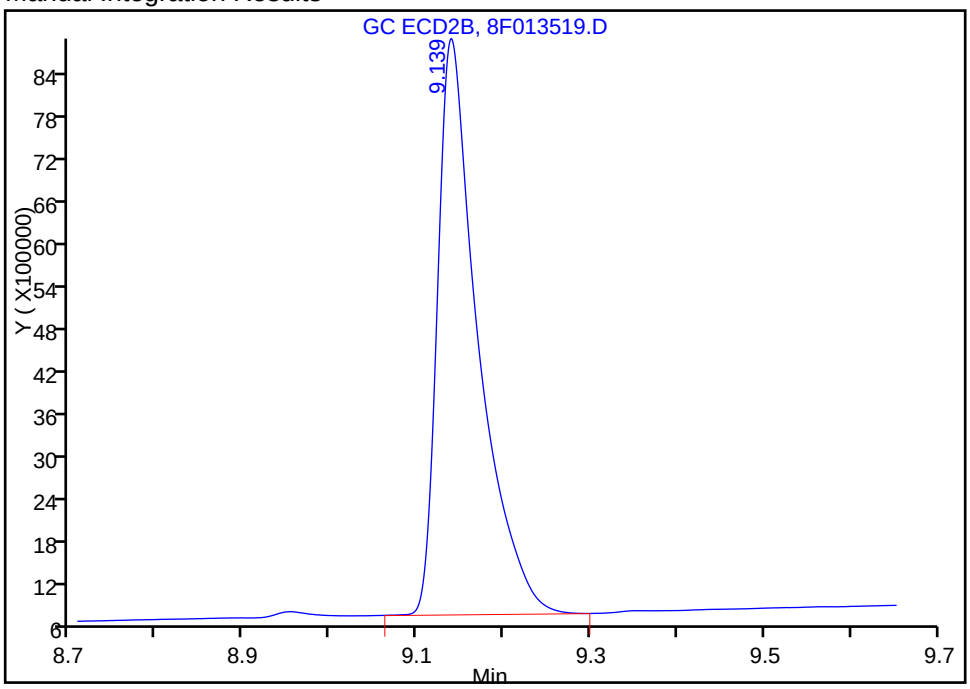
Not Detected
Expected RT: 9.13

Processing Integration Results



Manual Integration Results

RT: 9.14
Area: 26492481
Amount: 113.8106
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:42:01
Audit Action: Assigned Compound ID Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D

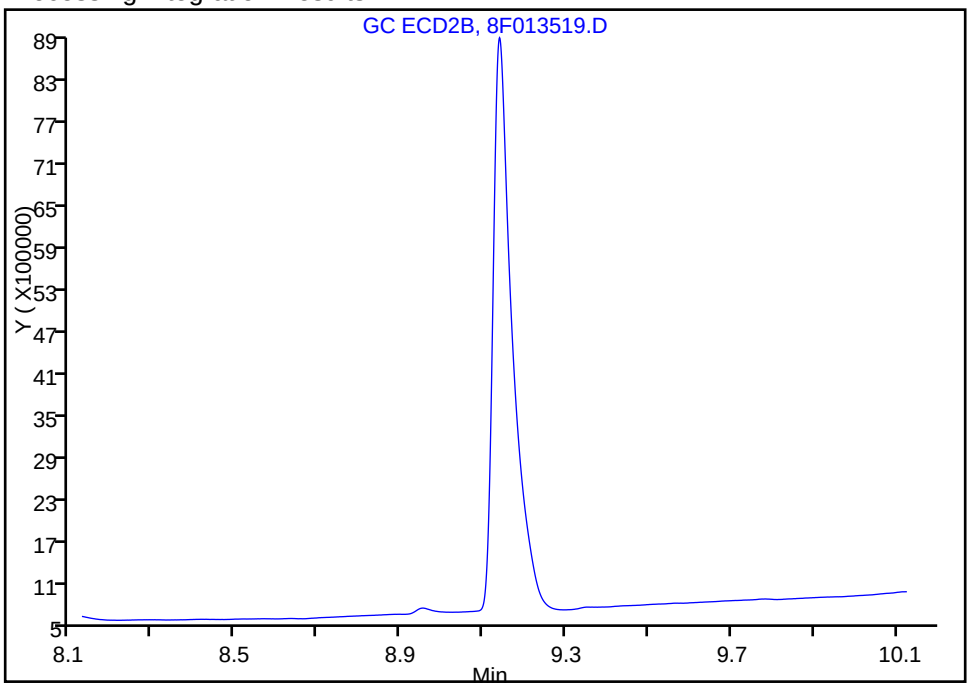
Injection Date:	23-Aug-2016 07:59:09	Instrument ID:	CPESTGC8		
Lims ID:	MB 460-386152/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

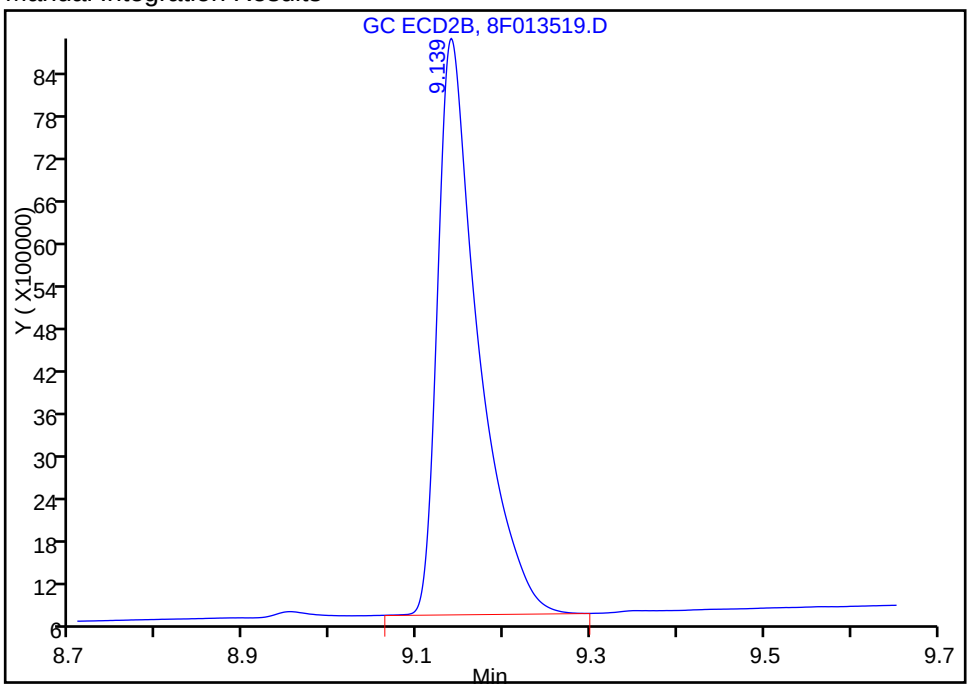
Processing Integration Results

Not Detected
Expected RT: 9.13



Manual Integration Results

RT: 9.14
Area: 26492481
Amount: 113.8106
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:42:01

Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

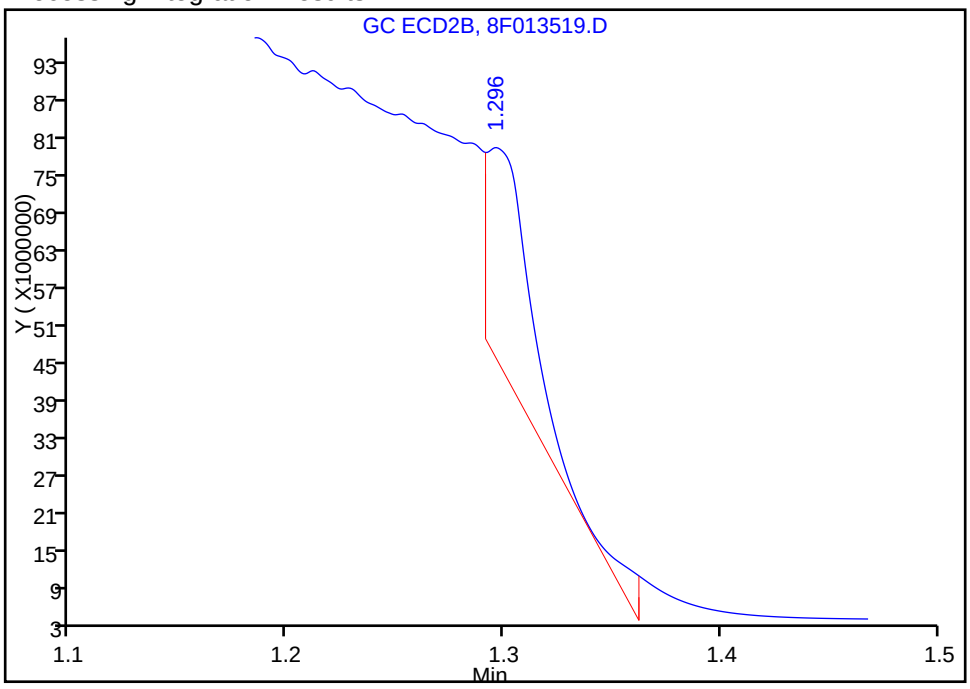
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013519.D				
Injection Date:	23-Aug-2016 07:59:09	Instrument ID:	CPESTGC8		
Lims ID:	MB 460-386152/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

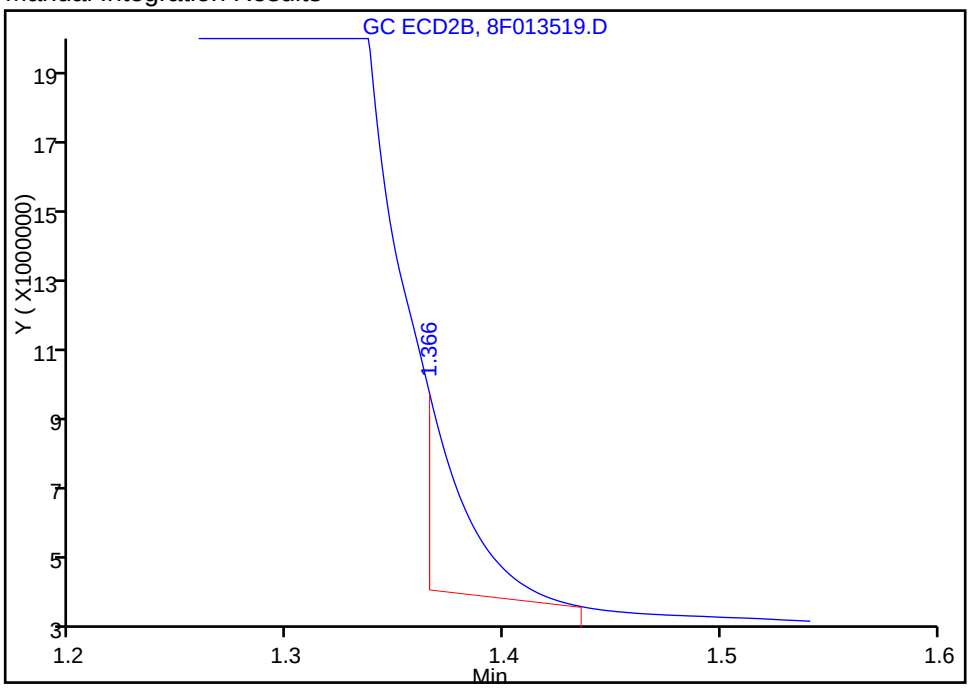
Processing Integration Results

RT: 1.30
Area: 51793701
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.37
Area: 5764906
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:45:29

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386173/1-A

Matrix: Solid | Lab File ID: T1332070.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 14:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332070.D
Lims ID: MB 460-386173/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2016 14:37:28 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-003
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:54:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.520	1.516	0.004	39312406	20.0	20.0	
2	1.344	1.347	-0.003	40233644	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.406	2.401	0.005	100470192	50.0	58.0	
2	1.966	1.969	-0.003	114890751	50.0	63.6	
						RPD = 9.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.529	10.514	0.015	82538384	50.0	58.7	M
2	8.983	8.983	0.000	127172219	50.0	65.7	
						RPD = 11.21	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

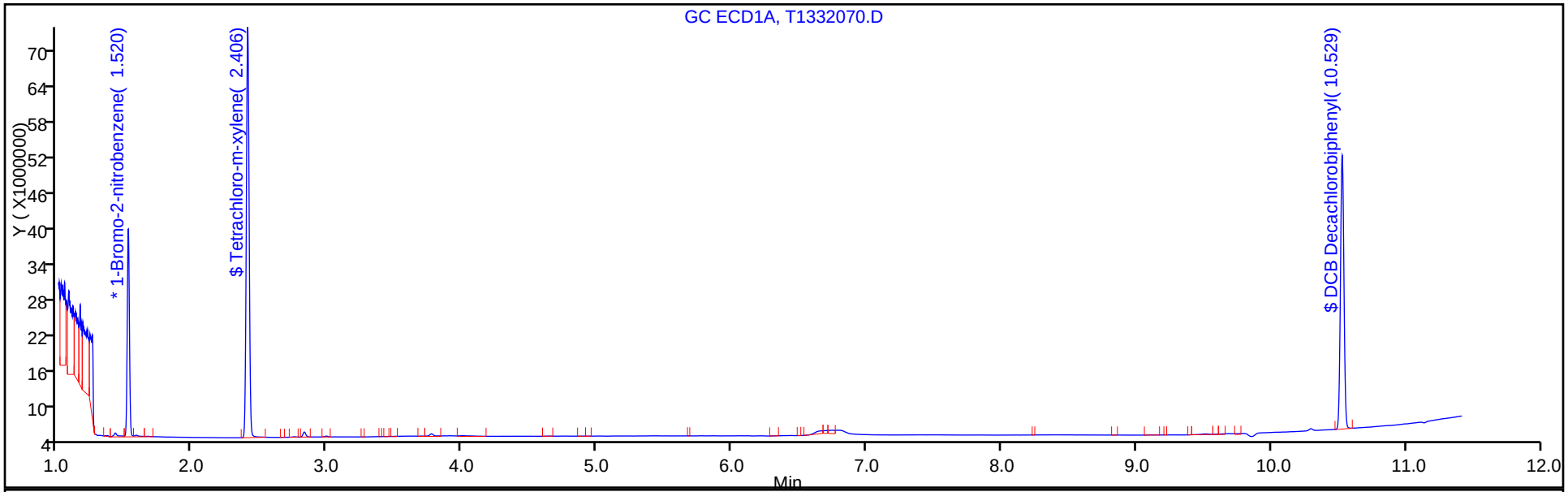
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

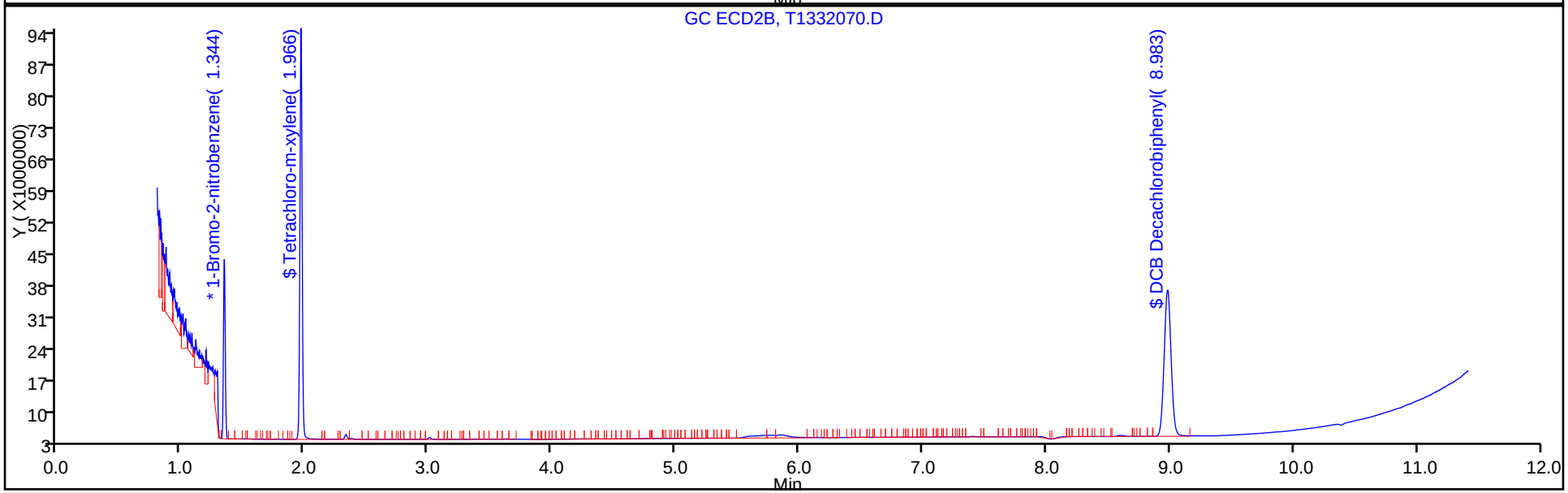
Report Date: 24-Aug-2016 11:36:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332070.D

Injection Date:	23-Aug-2016 14:37:28	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	MB 460-386173/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

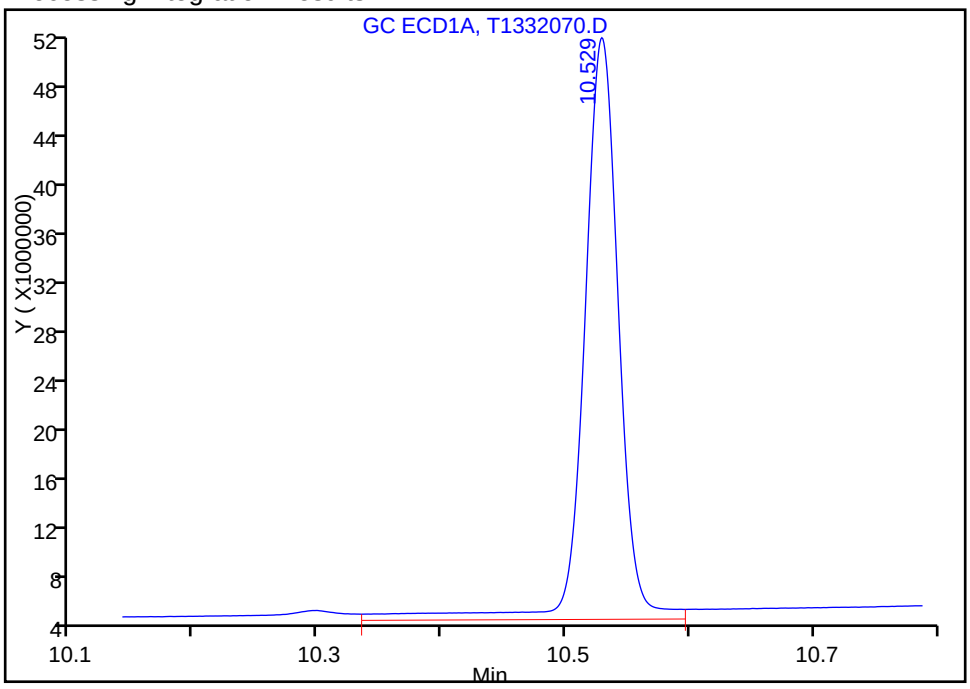
Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332070.D				
Injection Date:	23-Aug-2016 14:37:28	Instrument ID:	CPESTGC11		
Lims ID:	MB 460-386173/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

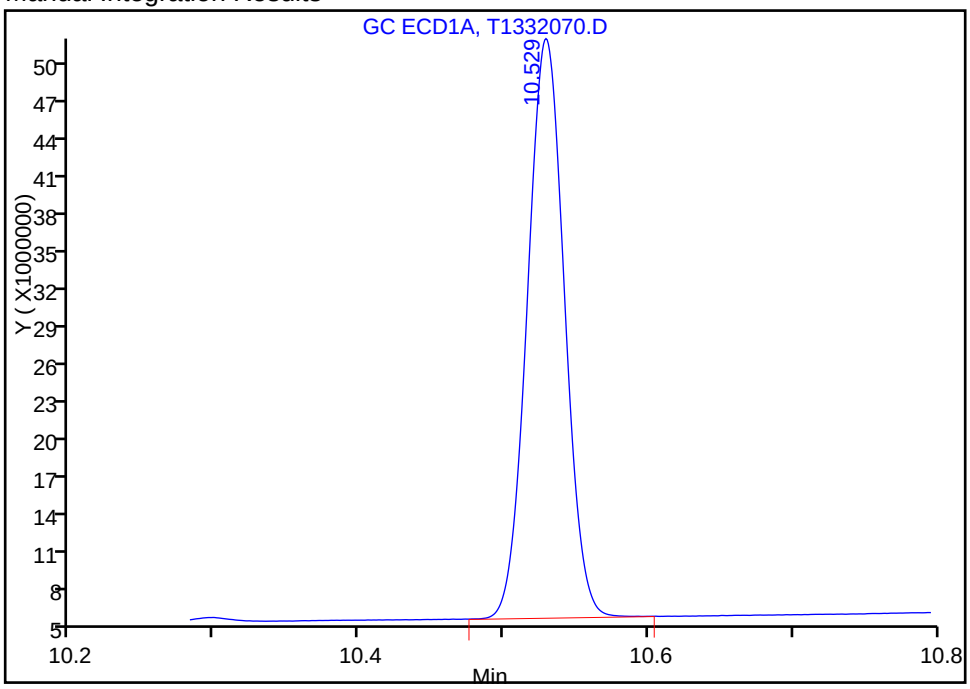
Processing Integration Results

RT: 10.53
Area: 92035677
Amount: 65.456262
Amount Units: ug/l



Manual Integration Results

RT: 10.53
Area: 82538384
Amount: 58.701737
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:54:34

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386173/1-A

Matrix: Solid | Lab File ID: T1332070.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 14:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	67	U	67	8.9
11104-28-2	Aroclor 1221	67	U	67	8.9
11141-16-5	Aroclor 1232	67	U	67	8.9
53469-21-9	Aroclor 1242	67	U	67	8.9
12672-29-6	Aroclor 1248	67	U	67	8.9
11097-69-1	Aroclor 1254	67	U	67	9.2
11096-82-5	Aroclor 1260	67	U	67	9.2
11100-14-4	Aroclor 1268	67	U	67	9.2
37324-23-5	Aroclor-1262	67	U	67	9.2
1336-36-3	Polychlorinated biphenyls, Total	67	U	67	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	131		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332070.D
Lims ID: MB 460-386173/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2016 14:37:28 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-003
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:54:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.520	1.516	0.004	39312406	20.0	20.0	
2	1.344	1.347	-0.003	40233644	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.406	2.401	0.005	100470192	50.0	58.0	
2	1.966	1.969	-0.003	114890751	50.0	63.6	
						RPD = 9.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.529	10.514	0.015	82538384	50.0	58.7	M
2	8.983	8.983	0.000	127172219	50.0	65.7	
						RPD = 11.21	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

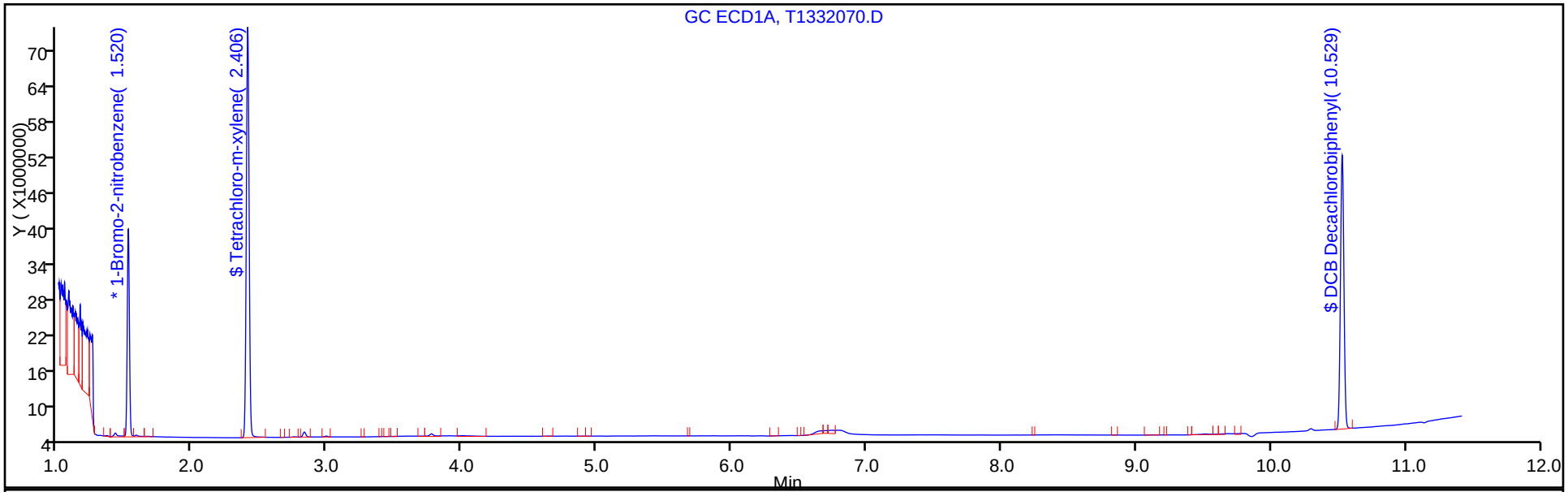
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

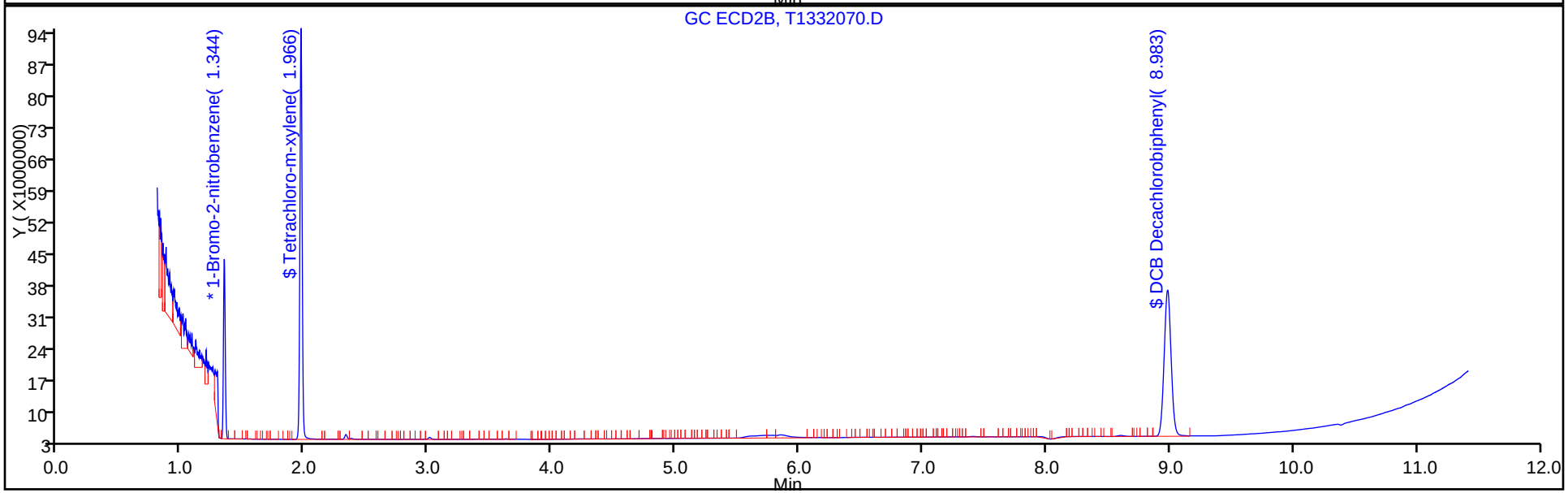
Report Date: 24-Aug-2016 11:36:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332070.D

Injection Date:	23-Aug-2016 14:37:28	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	MB 460-386173/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386175/1-A

Matrix: Solid | Lab File ID: 8F013539.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 13:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013539.D
Lims ID: MB 460-386175/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2016 13:35:57 ALS Bottle#: 24 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-024
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:12:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.625	1.625	0.000	5589607	20.0	20.0	M
2	1.358	1.358	0.000	7722687	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.592	2.593	-0.001	13913258	50.0	59.5	
2	2.008	2.007	0.001	13672592	50.0	45.1	
						RPD = 27.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.235	10.227	0.008	16021126	50.0	61.8	M
2	9.138	9.134	0.004	18072145	50.0	58.0	M
						RPD = 6.44	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

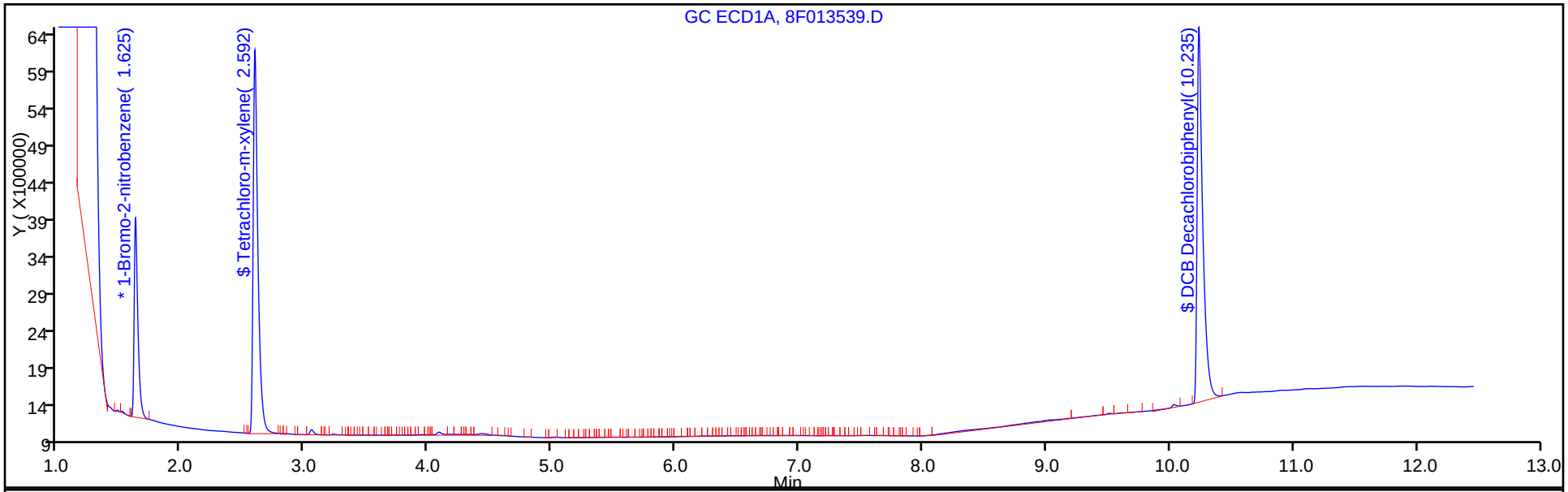
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

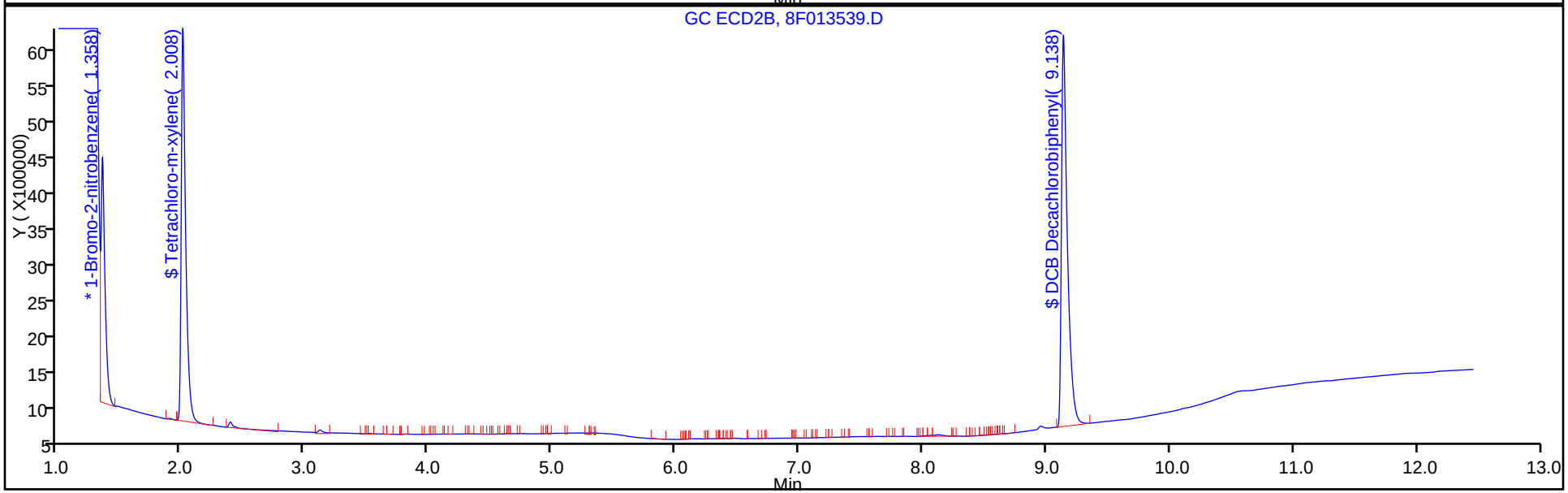
Report Date: 24-Aug-2016 11:22:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013539.D

Injection Date:	23-Aug-2016 13:35:57	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	MB 460-386175/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

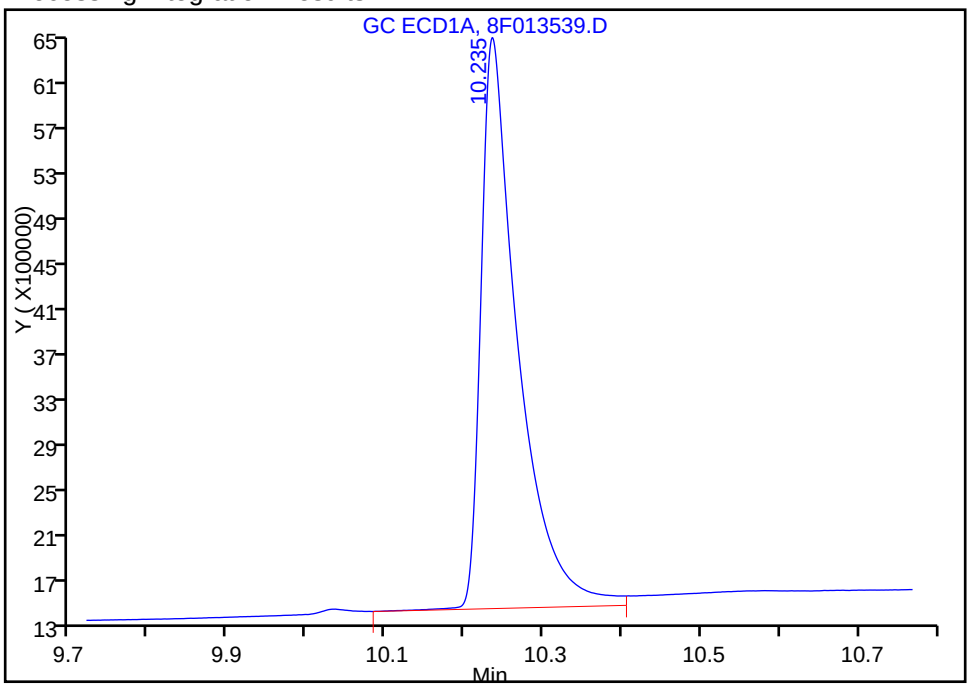
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013539.D
Injection Date: 23-Aug-2016 13:35:57 Instrument ID: CPESTGC8
Lims ID: MB 460-386175/1-A
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

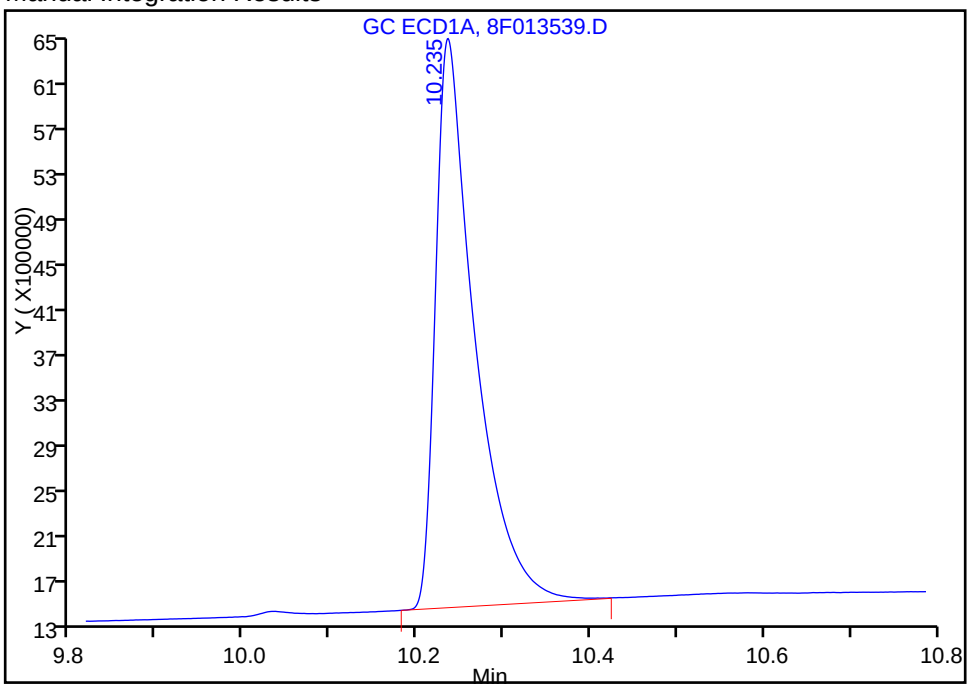
Processing Integration Results

RT: 10.24
Area: 16624712
Amount: 62.576647
Amount Units: ug/l



Manual Integration Results

RT: 10.24
Area: 16021126
Amount: 61.809332
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:12:06
Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

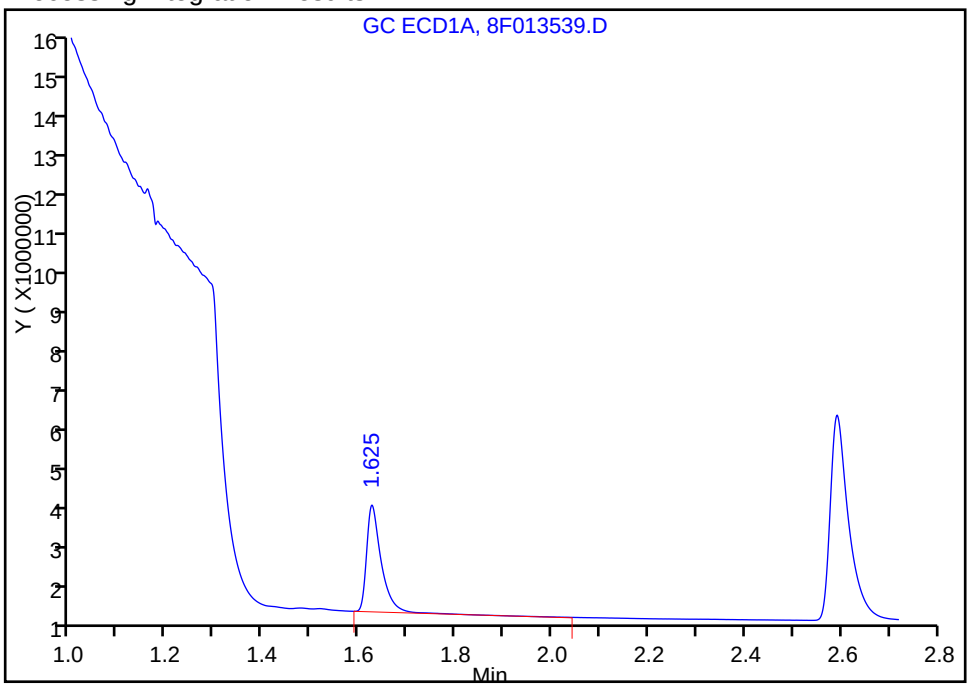
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013539.D
Injection Date: 23-Aug-2016 13:35:57 Instrument ID: CPESTGC8
Lims ID: MB 460-386175/1-A
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

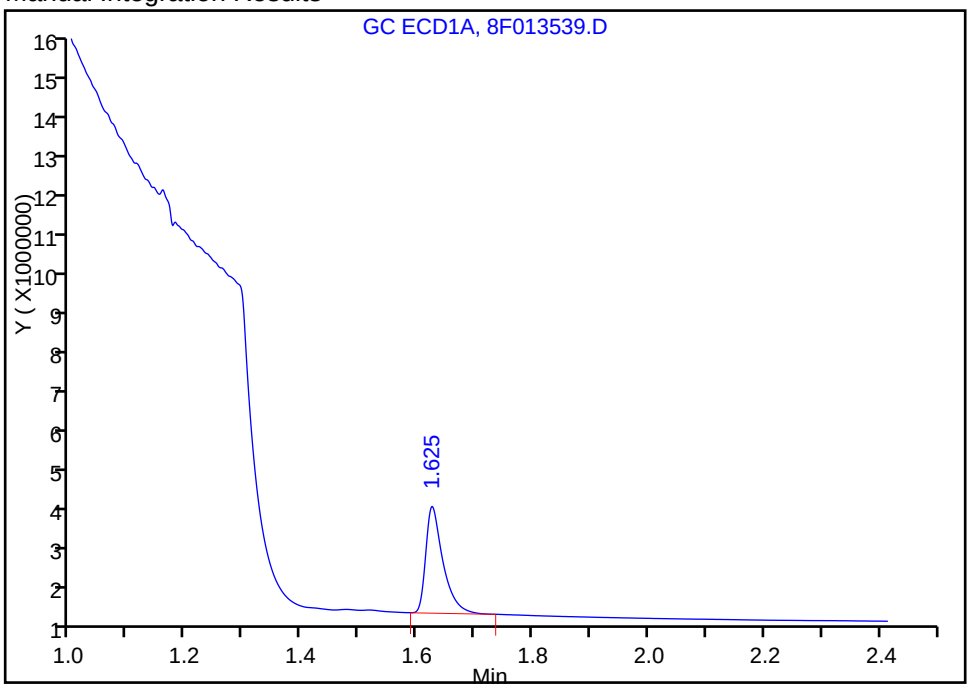
Processing Integration Results

RT: 1.63
Area: 5729070
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 5589607
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:12:06
Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-386175/1-A

Matrix: Solid | Lab File ID: 8F013539.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 13:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	67	U	67	8.9
11104-28-2	Aroclor 1221	67	U	67	8.9
11141-16-5	Aroclor 1232	67	U	67	8.9
53469-21-9	Aroclor 1242	67	U	67	8.9
12672-29-6	Aroclor 1248	67	U	67	8.9
11097-69-1	Aroclor 1254	67	U	67	9.2
11096-82-5	Aroclor 1260	67	U	67	9.2
11100-14-4	Aroclor 1268	67	U	67	9.2
37324-23-5	Aroclor-1262	67	U	67	9.2
1336-36-3	Polychlorinated biphenyls, Total	67	U	67	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013539.D
Lims ID: MB 460-386175/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2016 13:35:57 ALS Bottle#: 24 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-024
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:12:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.625	1.625	0.000	5589607	20.0	20.0	M
2	1.358	1.358	0.000	7722687	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.592	2.593	-0.001	13913258	50.0	59.5	
2	2.008	2.007	0.001	13672592	50.0	45.1	
						RPD = 27.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.235	10.227	0.008	16021126	50.0	61.8	M
2	9.138	9.134	0.004	18072145	50.0	58.0	M
						RPD = 6.44	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

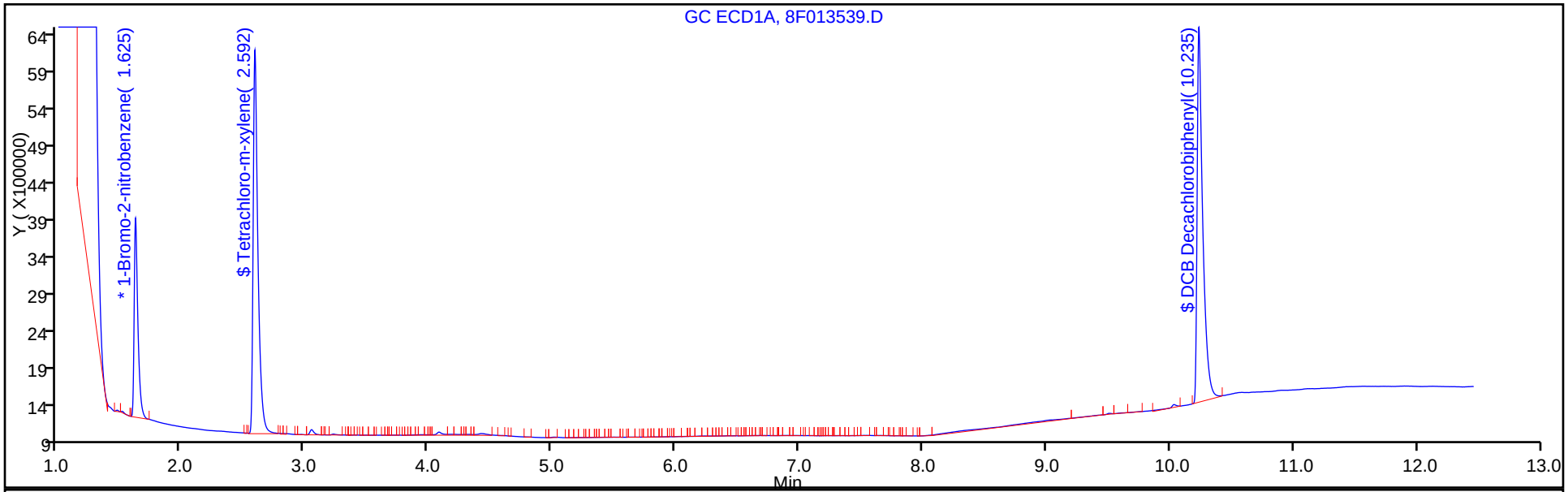
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

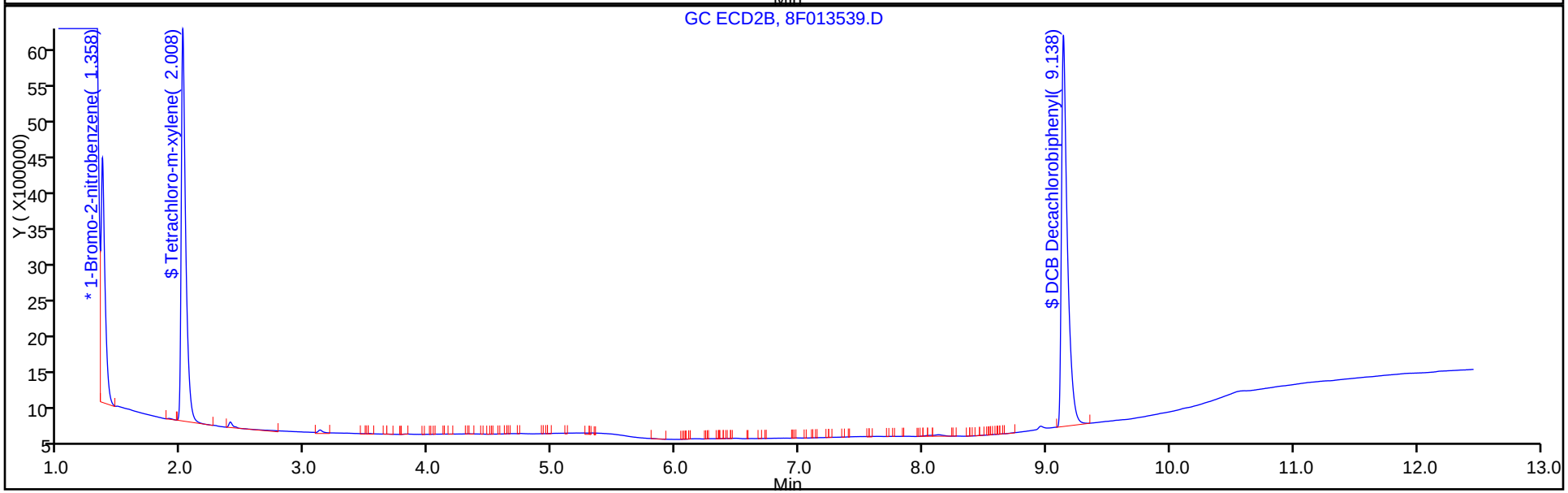
Report Date: 24-Aug-2016 11:22:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013539.D

Injection Date:	23-Aug-2016 13:35:57	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	MB 460-386175/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

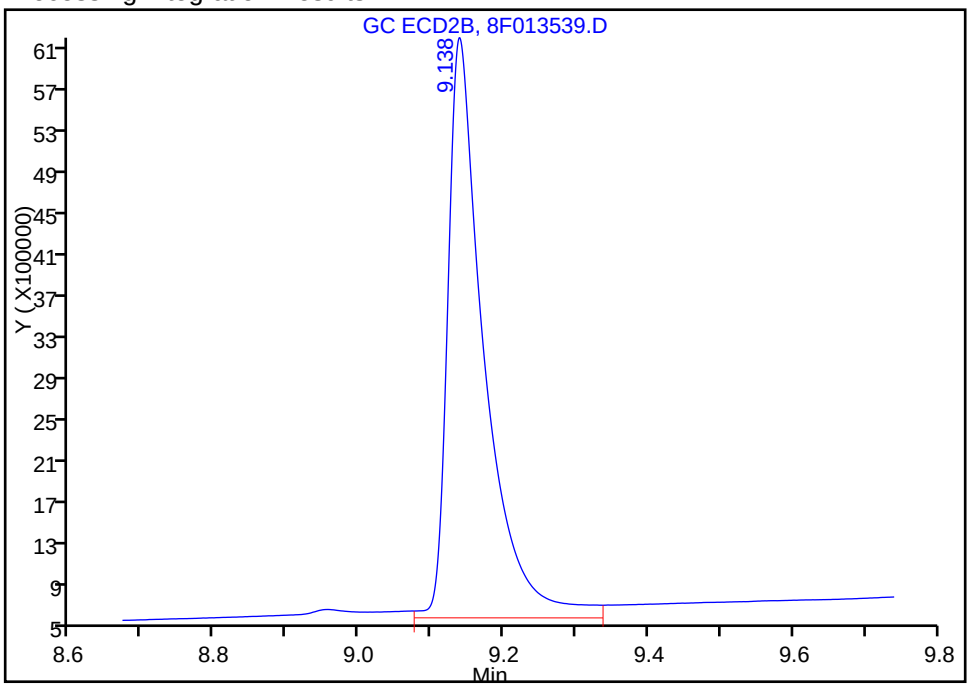
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013539.D				
Injection Date:	23-Aug-2016 13:35:57	Instrument ID:	CPESTGC8		
Lims ID:	MB 460-386175/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

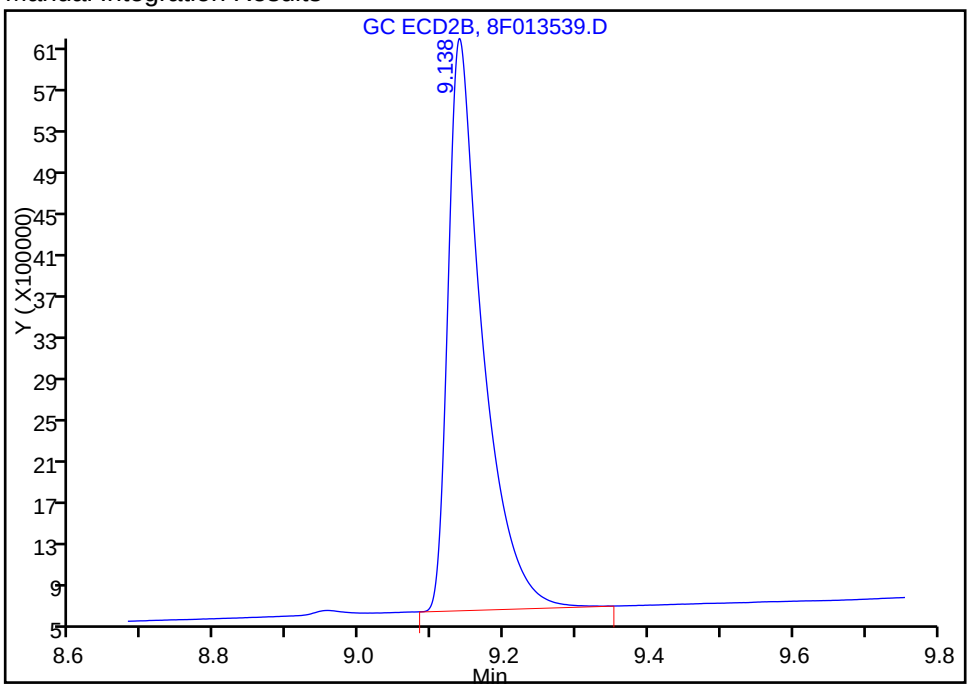
Processing Integration Results

RT: 9.14
Area: 19491170
Amount: 176.8692
Amount Units: ug/l



Manual Integration Results

RT: 9.14
Area: 18072145
Amount: 57.955332
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:12:06

Audit Action: Manually Integrated Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

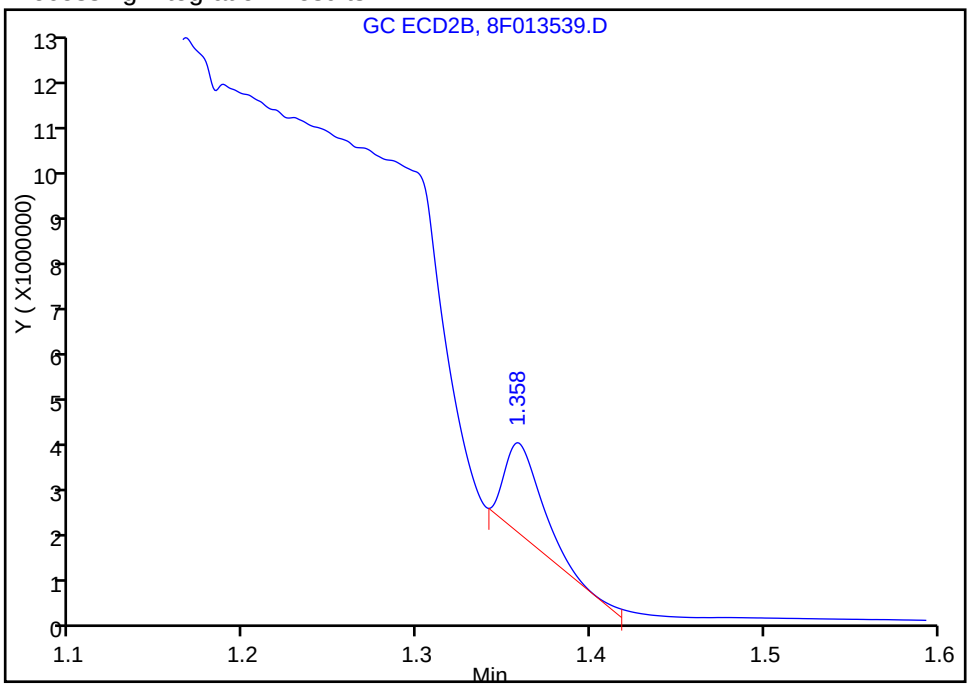
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013539.D
Injection Date: 23-Aug-2016 13:35:57 Instrument ID: CPESTGC8
Lims ID: MB 460-386175/1-A
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

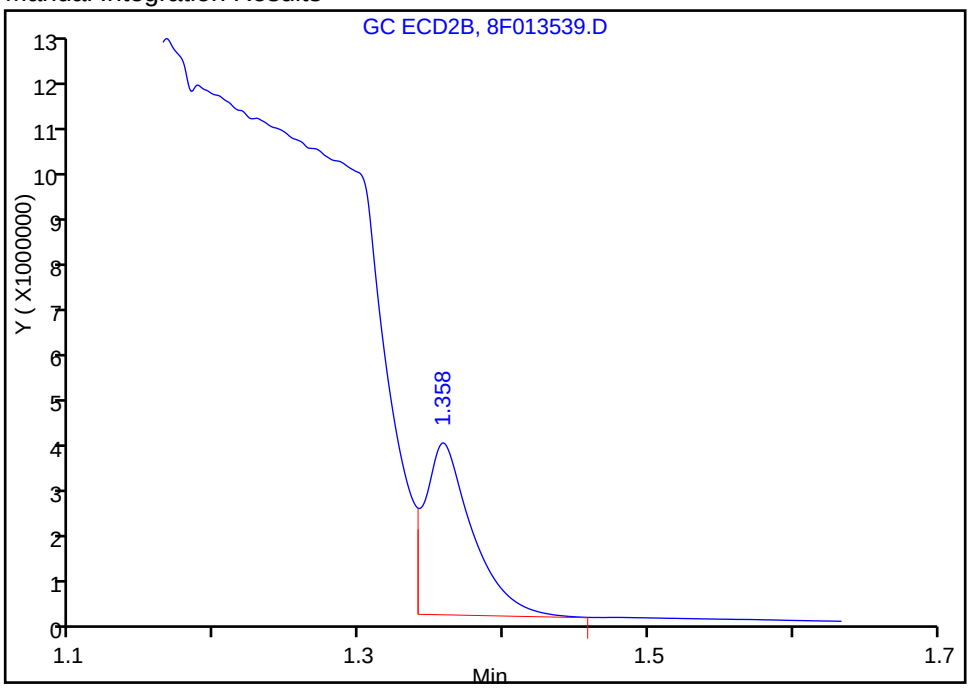
Processing Integration Results

RT: 1.36
Area: 2729216
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 7722687
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:12:06
Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386152/2-A

Matrix: Water | Lab File ID: 8F013520.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 08:15

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	4.83		0.40	0.098
11096-82-5	Aroclor 1260	5.43		0.40	0.084
1336-36-3	Polychlorinated biphenyls, Total	10.3		0.40	0.098

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	121		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013520.D
Lims ID: LCS 460-386152/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 08:15:03 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 08:44:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.624	1.622	0.002	4738616	20.0	20.0	M
2	1.356	1.357	-0.001	6293990	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.588	2.588	0.000	16875875	100.0	85.2	
2	2.013	2.006	0.007	15785087	100.0	63.8	
						RPD = 28.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	0.000	3.206	-3.206	0	1000.0	0	
1	3.720	3.720	0.000	9953853	1000.0	1079.6	
1	4.011	4.013	-0.002	5104301	1000.0	1057.5	
1	4.285	4.285	0.000	20541335	1000.0	1225.7	
1	4.454	4.455	-0.001	9307051	1000.0	1260.6	
1	5.043	5.044	-0.001	7279429	1000.0	1388.7	M
1	5.196	5.198	-0.002	8438452	1000.0	1210.3	
1	5.576	5.578	-0.002	6639489	1000.0	1227.7	
		Average of Peak Amounts =				1207.1	
2	2.391	2.384	0.007	4517961	1000.0	875.8	
2	2.773	2.764	0.009	13056969	1000.0	1313.9	M
2	2.984	2.977	0.007	6944350	1000.0	1036.8	M
2	3.277	3.272	0.005	21678820	1000.0	1062.0	M
2	3.428	3.423	0.005	8199137	1000.0	1074.5	M
2	3.495	3.489	0.006	6575797	1000.0	1162.8	M
2	3.900	3.895	0.005	9887516	1000.0	1174.5	M
2	4.340	4.335	0.005	5860116	1000.0	1382.9	M
		Average of Peak Amounts =				1135.4	
						RPD = 6.12	
8 PCB-1260							M
1	6.570	6.572	-0.002	7851339	1000.0	1290.5	
1	6.828	6.829	-0.001	16519126	1000.0	1339.5	
1	7.200	7.203	-0.003	20166858	1000.0	1365.3	
1	8.096	8.098	-0.002	12579377	1000.0	1266.8	
1	8.524	8.525	-0.001	13731299	1000.0	1422.9	M
1	8.840	8.840	0.000	34186766	1000.0	1420.5	M
1	9.218	9.219	-0.001	33849637	1000.0	1390.4	M
1	9.748	9.746	0.002	9967169	1000.0	1355.4	
		Average of Peak Amounts =				1356.4	
2	5.328	5.324	0.004	18300943	1000.0	1257.3	
2	6.035	6.033	0.002	28736652	1000.0	1192.6	
2	6.203	6.199	0.004	14493166	1000.0	1111.9	
2	6.560	6.557	0.003	15740478	1000.0	1122.6	
2	7.065	7.061	0.004	40347839	1000.0	1222.0	
2	7.570	7.569	0.001	20413488	1000.0	1289.2	
2	7.748	7.746	0.002	14204371	1000.0	1343.4	
2	8.625	8.625	0.000	10801411	1000.0	1304.6	
		Average of Peak Amounts =				1230.4	
						RPD = 9.74	
$ 11 DCB Decachlorobiphenyl							
1	10.215	10.210	0.005	26495531	100.0	120.6	
2	9.129	9.127	0.002	29542787	100.0	116.2	
						RPD = 3.66	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

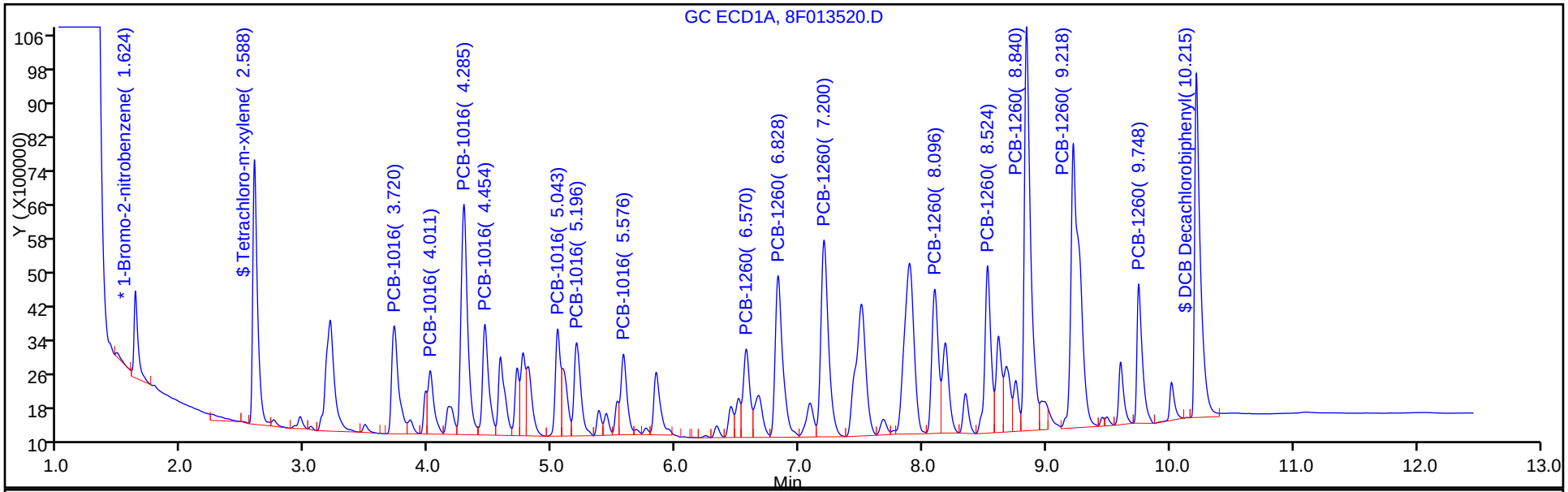
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

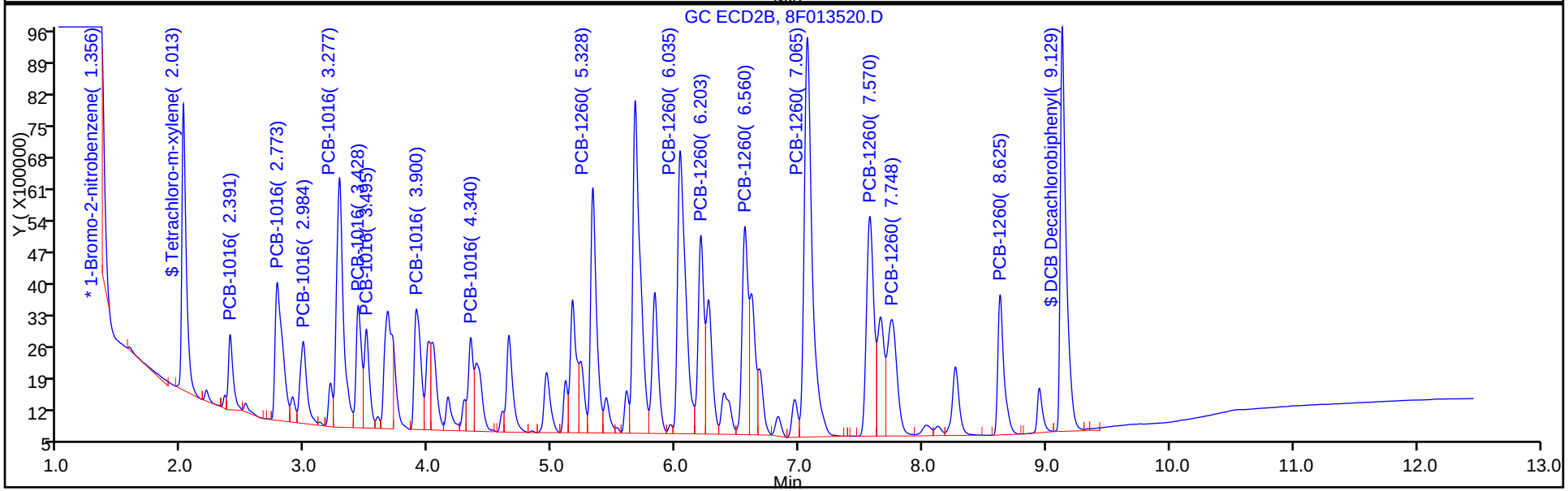
Report Date: 23-Aug-2016 14:53:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013520.D

Injection Date:	23-Aug-2016 08:15:03	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	LCS 460-386152/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 23-Aug-2016 14:53:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013520.D

Injection Date: 23-Aug-2016 08:15:03 Instrument ID: CPESTGC8

Lims ID: LCS 460-386152/2-A

Client ID:

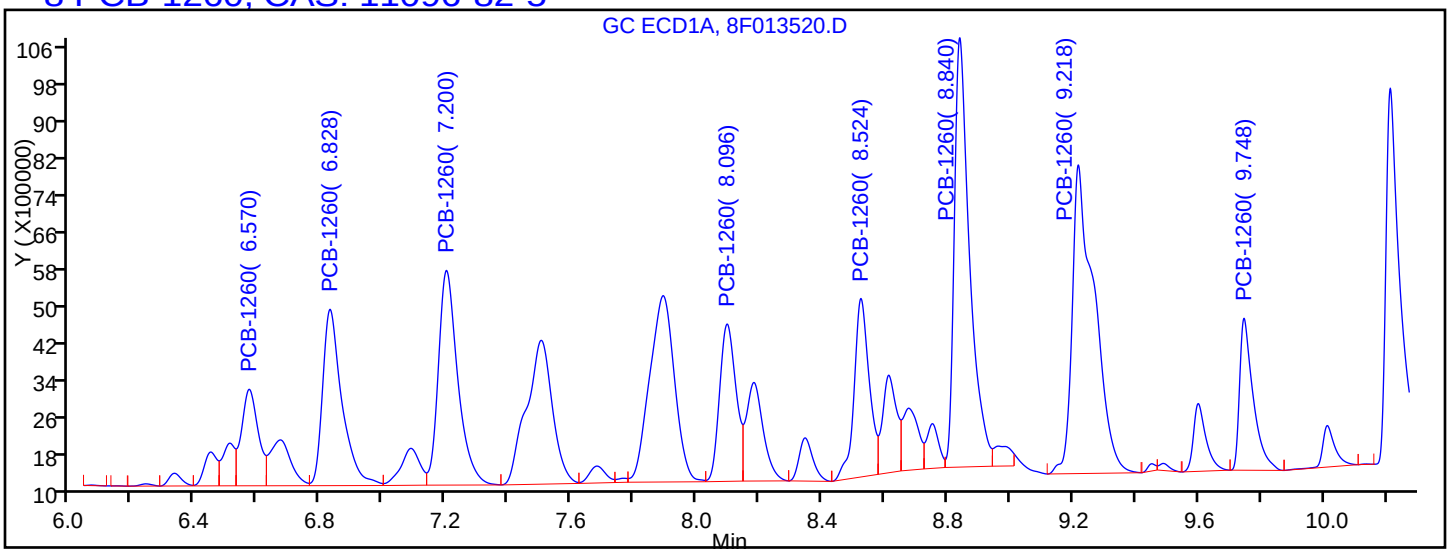
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

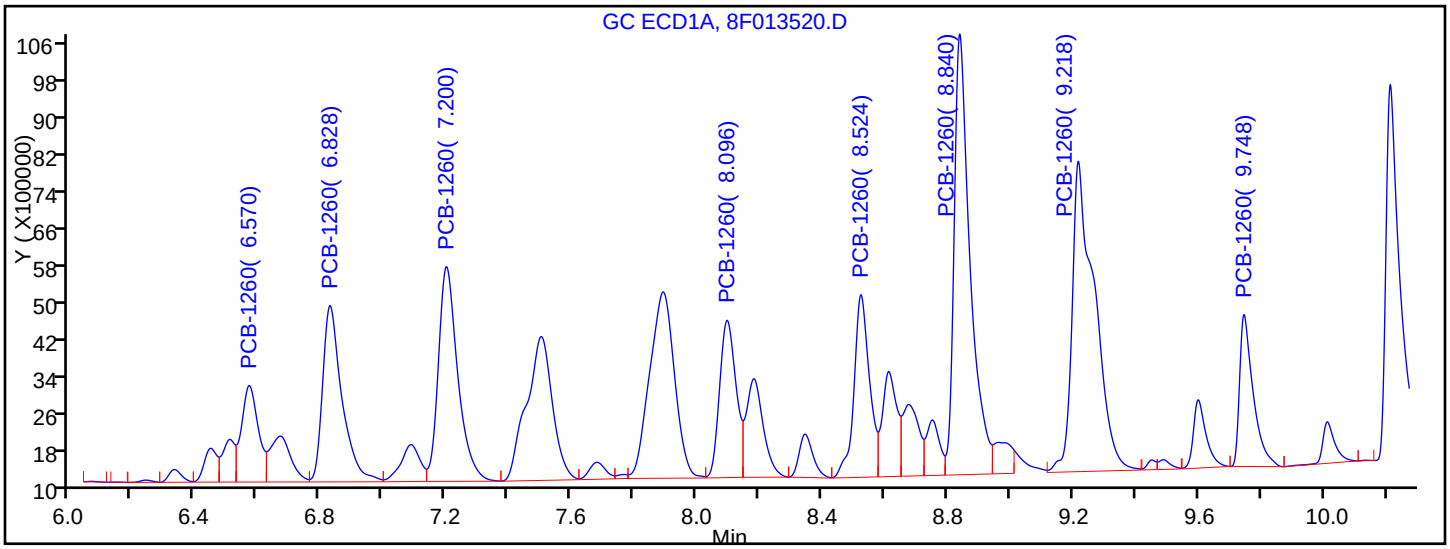
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.570	Response = 7851339	
RT = 6.828	Response = 16519126	
RT = 7.200	Response = 20166858	
RT = 8.096	Response = 12579377	
RT = 8.524	Response = 13087771	M
RT = 8.840	Response = 31940723	M
RT = 9.218	Response = 33215182	M
RT = 9.748	Response = 9967169	



Manual Integration Results

RT = 6.570	Response = 7851339	
RT = 6.828	Response = 16519126	
RT = 7.200	Response = 20166858	
RT = 8.096	Response = 12579377	
RT = 8.524	Response = 13731299	M
RT = 8.840	Response = 34186766	M

Manual Integration/User Assign Peak Report

TestAmerica Edison

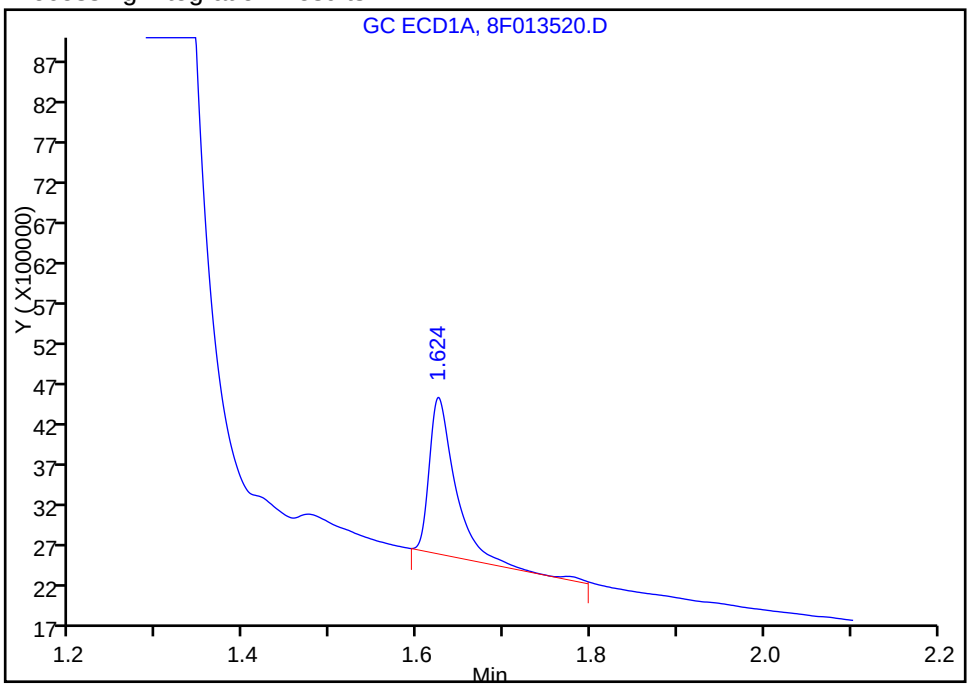
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013520.D				
Injection Date:	23-Aug-2016 08:15:03	Instrument ID:	CPESTGC8		
Lims ID:	LCS 460-386152/2-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

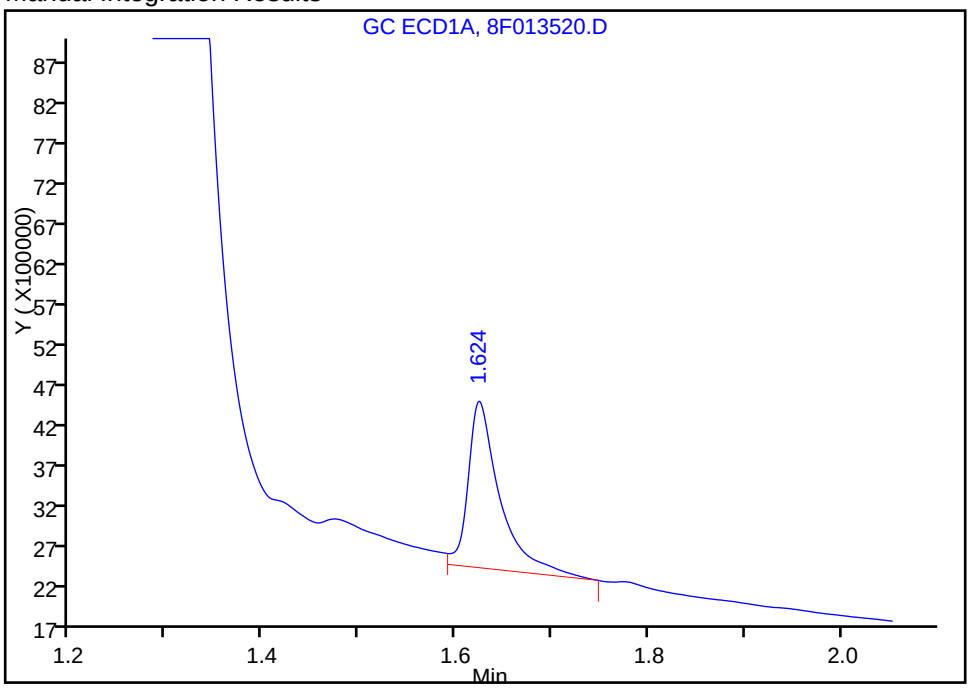
Processing Integration Results

RT: 1.62
Area: 4195175
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.62
Area: 4738616
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:44:48

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386152/2-A

Matrix: Water | Lab File ID: 8F013520.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 08:15

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*4.54*		*0.40*	*0.098*
11096-82-5	*Aroclor 1260*	*4.92*		*0.40*	*0.084*
1336-36-3	*Polychlorinated biphenyls, Total*	*9.46*		*0.40*	*0.098*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013520.D
Lims ID: LCS 460-386152/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 08:15:03 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 08:44:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.624	1.622	0.002	4738616	20.0	20.0	M
2	1.356	1.357	-0.001	6293990	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.588	2.588	0.000	16875875	100.0	85.2	
2	2.013	2.006	0.007	15785087	100.0	63.8	
						RPD = 28.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	0.000	3.206	-3.206	0	1000.0	0	
1	3.720	3.720	0.000	9953853	1000.0	1079.6	
1	4.011	4.013	-0.002	5104301	1000.0	1057.5	
1	4.285	4.285	0.000	20541335	1000.0	1225.7	
1	4.454	4.455	-0.001	9307051	1000.0	1260.6	
1	5.043	5.044	-0.001	7279429	1000.0	1388.7	M
1	5.196	5.198	-0.002	8438452	1000.0	1210.3	
1	5.576	5.578	-0.002	6639489	1000.0	1227.7	
		Average of Peak Amounts =				1207.1	
2	2.391	2.384	0.007	4517961	1000.0	875.8	
2	2.773	2.764	0.009	13056969	1000.0	1313.9	M
2	2.984	2.977	0.007	6944350	1000.0	1036.8	M
2	3.277	3.272	0.005	21678820	1000.0	1062.0	M
2	3.428	3.423	0.005	8199137	1000.0	1074.5	M
2	3.495	3.489	0.006	6575797	1000.0	1162.8	M
2	3.900	3.895	0.005	9887516	1000.0	1174.5	M
2	4.340	4.335	0.005	5860116	1000.0	1382.9	M
		Average of Peak Amounts =				1135.4	
						RPD = 6.12	
8 PCB-1260							M
1	6.570	6.572	-0.002	7851339	1000.0	1290.5	
1	6.828	6.829	-0.001	16519126	1000.0	1339.5	
1	7.200	7.203	-0.003	20166858	1000.0	1365.3	
1	8.096	8.098	-0.002	12579377	1000.0	1266.8	
1	8.524	8.525	-0.001	13731299	1000.0	1422.9	M
1	8.840	8.840	0.000	34186766	1000.0	1420.5	M
1	9.218	9.219	-0.001	33849637	1000.0	1390.4	M
1	9.748	9.746	0.002	9967169	1000.0	1355.4	
		Average of Peak Amounts =				1356.4	
2	5.328	5.324	0.004	18300943	1000.0	1257.3	
2	6.035	6.033	0.002	28736652	1000.0	1192.6	
2	6.203	6.199	0.004	14493166	1000.0	1111.9	
2	6.560	6.557	0.003	15740478	1000.0	1122.6	
2	7.065	7.061	0.004	40347839	1000.0	1222.0	
2	7.570	7.569	0.001	20413488	1000.0	1289.2	
2	7.748	7.746	0.002	14204371	1000.0	1343.4	
2	8.625	8.625	0.000	10801411	1000.0	1304.6	
		Average of Peak Amounts =				1230.4	
						RPD = 9.74	
$ 11 DCB Decachlorobiphenyl							
1	10.215	10.210	0.005	26495531	100.0	120.6	
2	9.129	9.127	0.002	29542787	100.0	116.2	
						RPD = 3.66	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

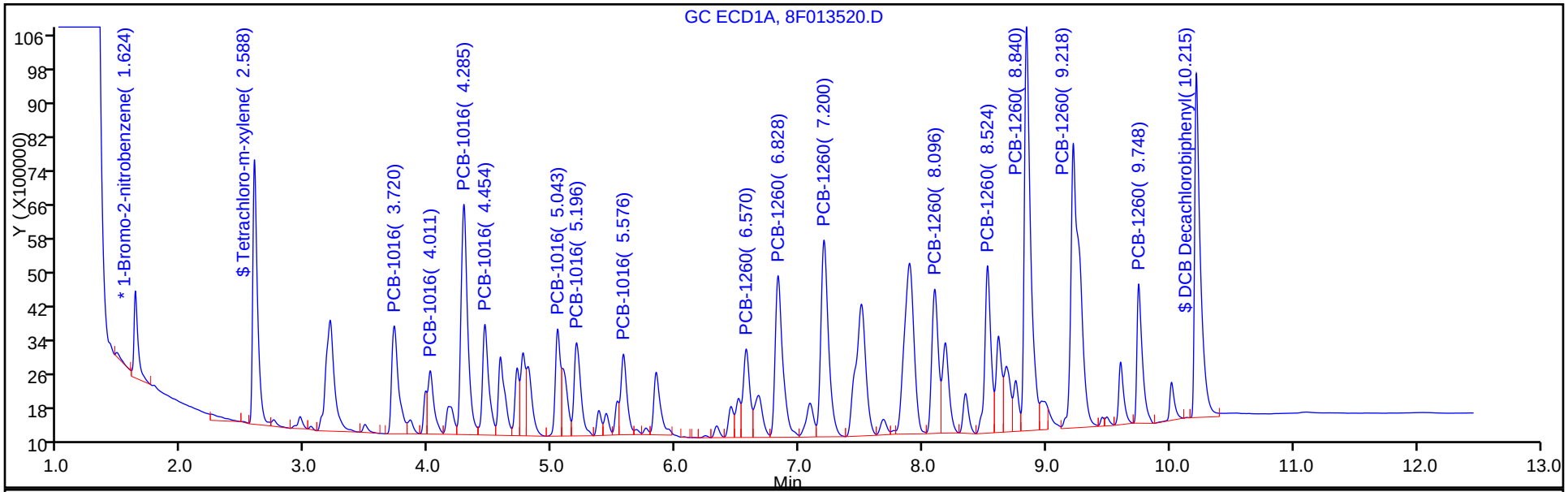
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

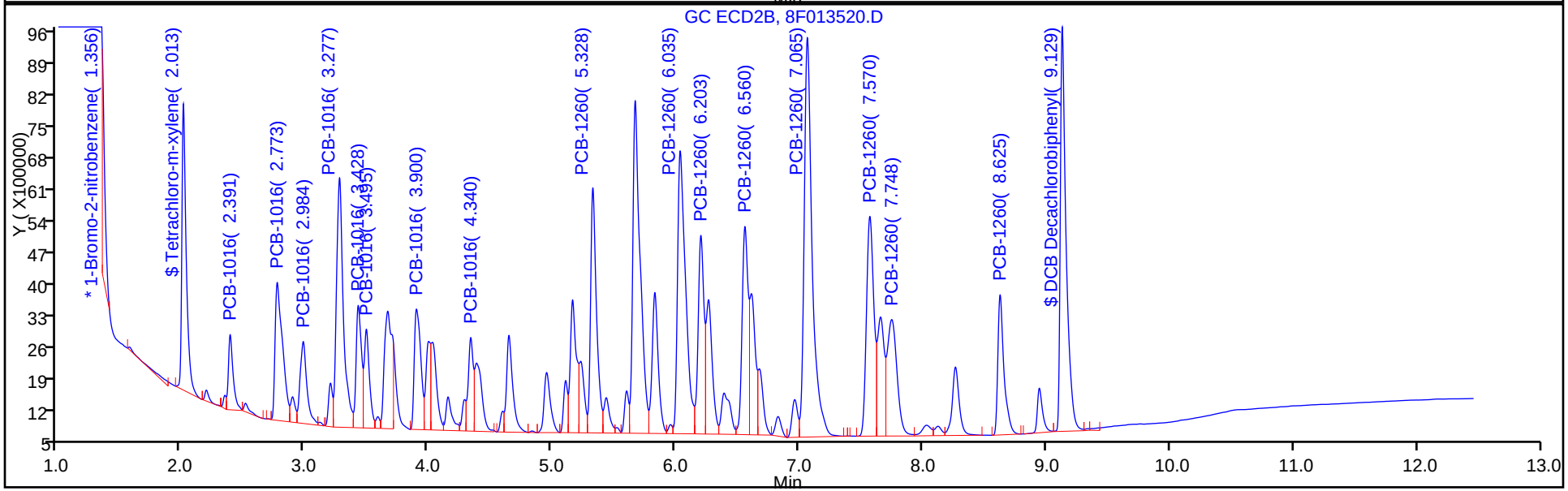
Report Date: 23-Aug-2016 14:53:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013520.D

Injection Date:	23-Aug-2016 08:15:03	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	LCS 460-386152/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

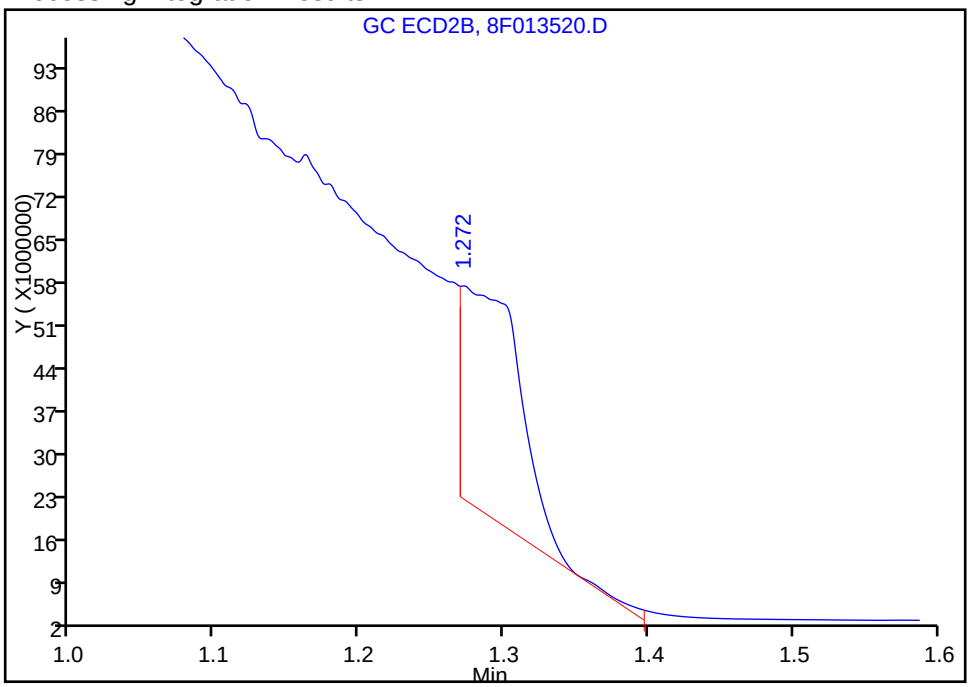
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013520.D
Injection Date: 23-Aug-2016 08:15:03 Instrument ID: CPESTGC8
Lims ID: LCS 460-386152/2-A
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

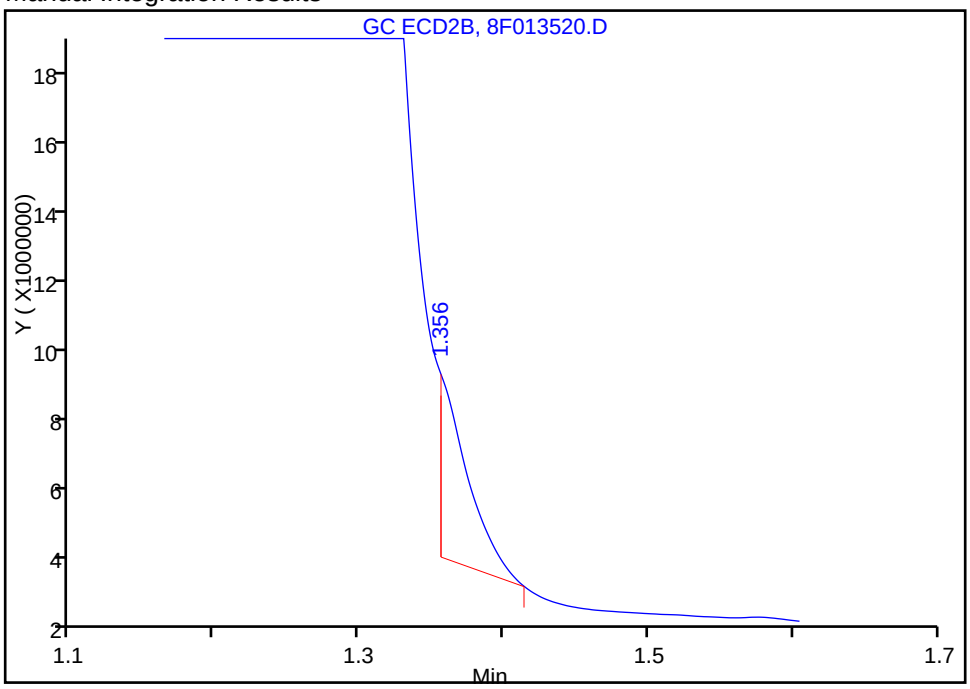
Processing Integration Results

RT: 1.27
Area: 105117024
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 6293990
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 08:44:48
Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386173/2-A

Matrix: Solid | Lab File ID: T1332071.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 14:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*375*		*67*	*8.9*
11096-82-5	*Aroclor 1260*	*379*		*67*	*9.2*
1336-36-3	*Polychlorinated biphenyls, Total*	*754*		*67*	*9.2*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332071.D
Lims ID: LCS 460-386173/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 14:52:20 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-004
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 15:07:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.516	1.516	0.000	41834153	20.0	20.0	
2	1.346	1.347	-0.001	43220484	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.401	2.401	0.000	99264984	50.0	53.8	
2	1.968	1.969	-0.001	114211735	50.0	58.9	
						RPD = 8.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.967	2.968	-0.001	19453727	500.0	565.7	
1	3.434	3.434	0.000	38077656	500.0	562.8	
1	3.704	3.704	0.000	16003450	500.0	543.2	
1	3.951	3.952	-0.001	76833396	500.0	556.5	
1	4.107	4.108	-0.001	32403385	500.0	556.7	
1	4.348	4.349	-0.001	17230916	500.0	575.8	
1	4.646	4.646	0.000	25716760	500.0	553.4	
1	4.785	4.785	0.000	29813425	500.0	580.1	
		Average of Peak Amounts =				561.8	
2	2.325	2.325	0.000	21997657	500.0	613.4	
2	2.678	2.679	-0.001	45827772	500.0	654.3	
2	2.879	2.880	-0.001	29835133	500.0	638.0	
2	3.151	3.154	-0.003	96616096	500.0	620.8	
2	3.291	3.292	-0.001	39974346	500.0	621.8	
2	3.355	3.355	0.000	24121637	500.0	607.5	
2	3.727	3.726	0.001	37678680	500.0	578.2	
2	3.817	3.818	-0.001	23519357	500.0	646.7	M
		Average of Peak Amounts =				622.6	
						RPD = 10.27	
8 PCB-1260							
1	5.951	5.951	0.000	25890030	500.0	585.2	
1	6.162	6.163	-0.001	53742556	500.0	577.6	
1	6.471	6.471	0.000	61920813	500.0	569.5	
1	7.168	7.169	-0.001	50186503	500.0	574.0	
1	7.671	7.670	0.001	54472861	500.0	565.0	
1	8.161	8.160	0.001	112727812	500.0	556.9	
1	8.890	8.889	0.001	83563977	500.0	551.3	
1	9.944	9.939	0.005	32163308	500.0	573.5	
		Average of Peak Amounts =				569.1	
2	5.043	5.042	0.001	57505928	500.0	613.2	
2	5.656	5.657	-0.001	99523404	500.0	614.3	
2	5.801	5.801	0.000	57133355	500.0	578.5	
2	6.106	6.105	0.001	58248304	500.0	580.8	
2	6.540	6.539	0.001	145882014	500.0	656.2	
2	6.955	6.953	0.002	64331459	500.0	562.2	
2	7.094	7.093	0.001	43274811	500.0	663.4	
2	8.047	8.045	0.002	43620511	500.0	679.4	
		Average of Peak Amounts =				618.5	
						RPD = 8.31	
$ 11 DCB Decachlorobiphenyl							
1	10.529	10.514	0.015	80201281	50.0	53.6	
2	8.984	8.983	0.001	122766884	50.0	59.0	
						RPD = 9.62	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332071.D

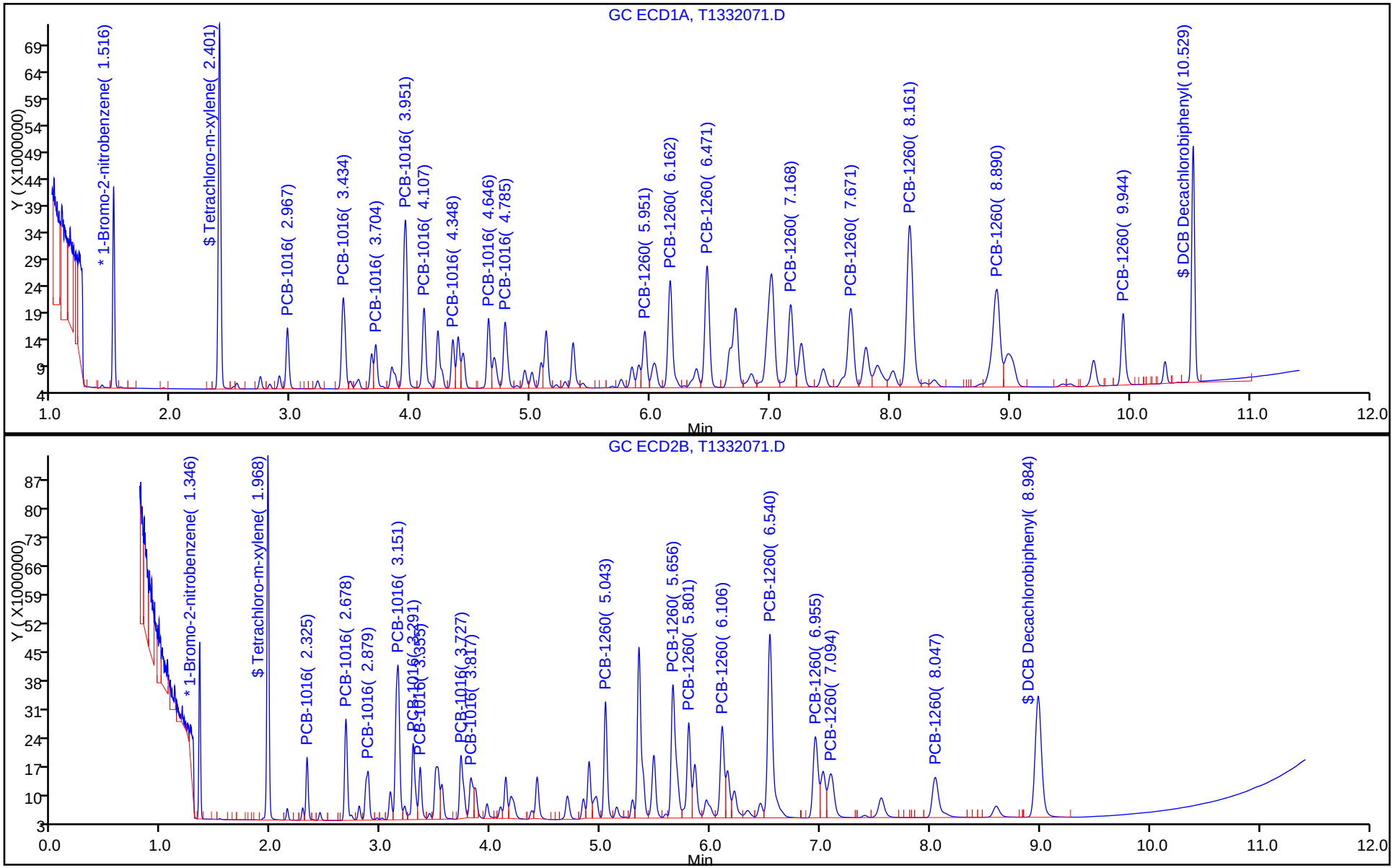
Injection Date: 23-Aug-2016 14:52:20 Instrument ID: CPESTGC11 Operator ID:

Lims ID: LCS 460-386173/2-A Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386173/2-A

Matrix: Solid | Lab File ID: T1332071.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 14:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	415		67	8.9
11096-82-5	Aroclor 1260	412		67	9.2
1336-36-3	Polychlorinated biphenyls, Total	827		67	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332071.D
Lims ID: LCS 460-386173/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 14:52:20 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-004
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 15:07:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.516	1.516	0.000	41834153	20.0	20.0	
2	1.346	1.347	-0.001	43220484	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.401	2.401	0.000	99264984	50.0	53.8	
2	1.968	1.969	-0.001	114211735	50.0	58.9	
						RPD = 8.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.967	2.968	-0.001	19453727	500.0	565.7	
1	3.434	3.434	0.000	38077656	500.0	562.8	
1	3.704	3.704	0.000	16003450	500.0	543.2	
1	3.951	3.952	-0.001	76833396	500.0	556.5	
1	4.107	4.108	-0.001	32403385	500.0	556.7	
1	4.348	4.349	-0.001	17230916	500.0	575.8	
1	4.646	4.646	0.000	25716760	500.0	553.4	
1	4.785	4.785	0.000	29813425	500.0	580.1	
		Average of Peak Amounts =				561.8	
2	2.325	2.325	0.000	21997657	500.0	613.4	
2	2.678	2.679	-0.001	45827772	500.0	654.3	
2	2.879	2.880	-0.001	29835133	500.0	638.0	
2	3.151	3.154	-0.003	96616096	500.0	620.8	
2	3.291	3.292	-0.001	39974346	500.0	621.8	
2	3.355	3.355	0.000	24121637	500.0	607.5	
2	3.727	3.726	0.001	37678680	500.0	578.2	
2	3.817	3.818	-0.001	23519357	500.0	646.7	M
		Average of Peak Amounts =				622.6	
						RPD = 10.27	
8 PCB-1260							
1	5.951	5.951	0.000	25890030	500.0	585.2	
1	6.162	6.163	-0.001	53742556	500.0	577.6	
1	6.471	6.471	0.000	61920813	500.0	569.5	
1	7.168	7.169	-0.001	50186503	500.0	574.0	
1	7.671	7.670	0.001	54472861	500.0	565.0	
1	8.161	8.160	0.001	112727812	500.0	556.9	
1	8.890	8.889	0.001	83563977	500.0	551.3	
1	9.944	9.939	0.005	32163308	500.0	573.5	
		Average of Peak Amounts =				569.1	
2	5.043	5.042	0.001	57505928	500.0	613.2	
2	5.656	5.657	-0.001	99523404	500.0	614.3	
2	5.801	5.801	0.000	57133355	500.0	578.5	
2	6.106	6.105	0.001	58248304	500.0	580.8	
2	6.540	6.539	0.001	145882014	500.0	656.2	
2	6.955	6.953	0.002	64331459	500.0	562.2	
2	7.094	7.093	0.001	43274811	500.0	663.4	
2	8.047	8.045	0.002	43620511	500.0	679.4	
		Average of Peak Amounts =				618.5	
						RPD = 8.31	
$ 11 DCB Decachlorobiphenyl							
1	10.529	10.514	0.015	80201281	50.0	53.6	
2	8.984	8.983	0.001	122766884	50.0	59.0	
						RPD = 9.62	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

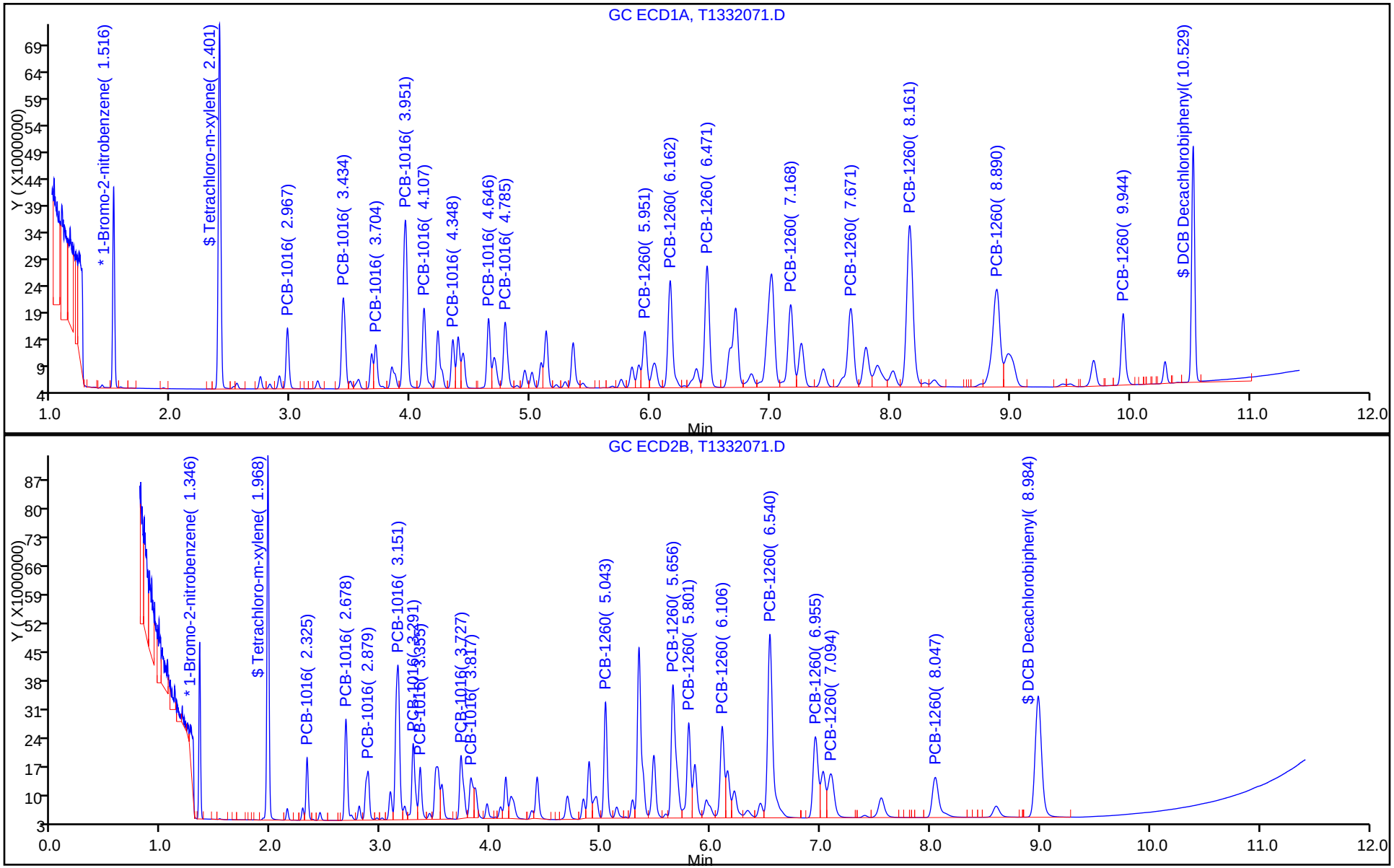
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332071.D

Injection Date:	23-Aug-2016 14:52:20	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCS 460-386173/2-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 24-Aug-2016 11:37:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332071.D

Injection Date: 23-Aug-2016 14:52:20 Instrument ID: CPESTGC11

Lims ID: LCS 460-386173/2-A

Client ID:

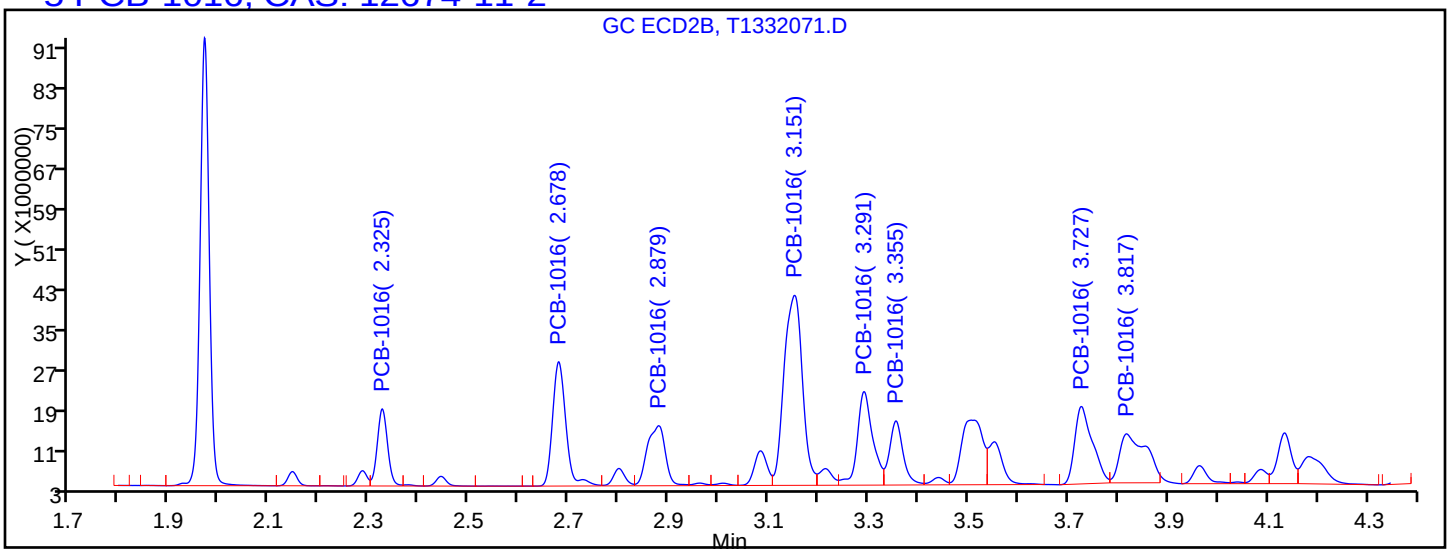
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

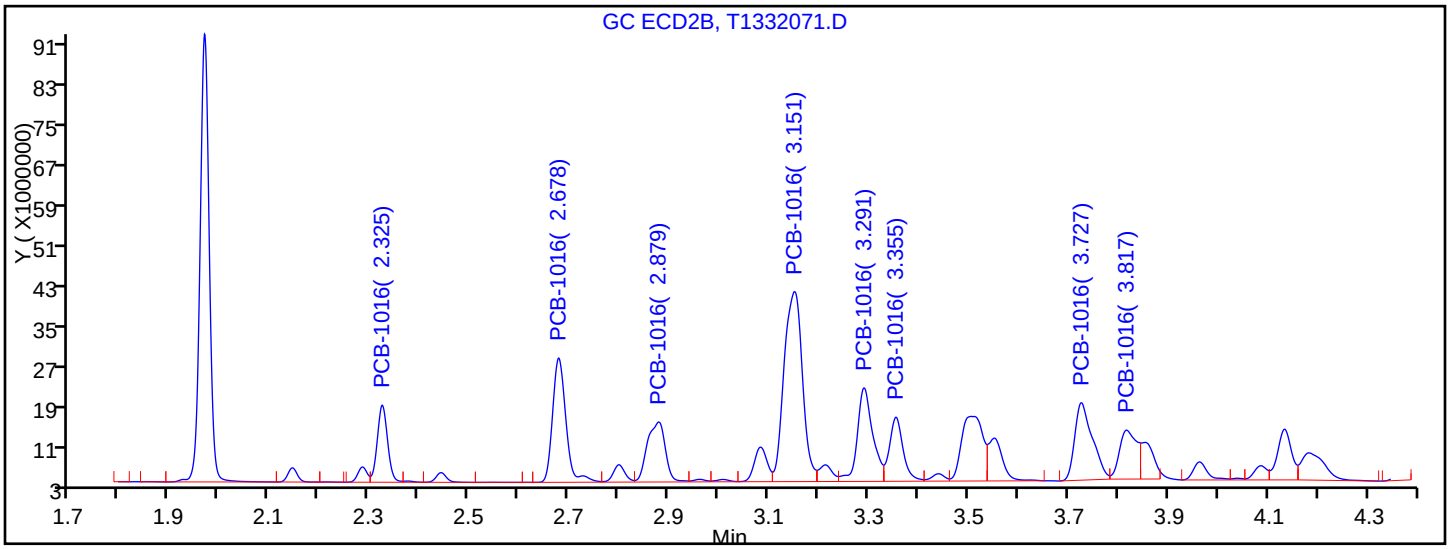
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.325 Response = 21997657
RT = 2.678 Response = 45827772
RT = 2.879 Response = 29835133
RT = 3.151 Response = 96616096
RT = 3.291 Response = 39974346
RT = 3.355 Response = 24121637
RT = 3.727 Response = 37678680
RT = 3.817 Response = 36161910 M



Manual Integration Results

RT = 2.325 Response = 21997657
RT = 2.678 Response = 45827772
RT = 2.879 Response = 29835133
RT = 3.151 Response = 96616096
RT = 3.291 Response = 39974346
RT = 3.355 Response = 24121637

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386175/2-A

Matrix: Solid | Lab File ID: 8F013540.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 13:51

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	432		67	8.9
11096-82-5	Aroclor 1260	440		67	9.2
1336-36-3	Polychlorinated biphenyls, Total	872		67	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	119		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D
Lims ID: LCS 460-386175/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 13:51:51 ALS Bottle#: 25 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-025
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:11:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.623	1.625	-0.002	5953099	20.0	20.0	M
2	1.361	1.358	0.003	7727327	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.588	2.593	-0.005	13831996	50.0	55.6	M
2	2.013	2.007	0.006	13047792	50.0	43.0	
						RPD = 25.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.206	3.212	-0.006	3441575	500.0	607.2	M
1	3.720	3.725	-0.005	7392758	500.0	638.2	M
1	4.011	4.017	-0.006	3757100	500.0	619.6	M
1	4.285	4.290	-0.005	13949162	500.0	662.6	M
1	4.455	4.460	-0.005	6297450	500.0	678.9	M
1	5.044	5.050	-0.006	4189253	500.0	636.2	M
1	5.197	5.203	-0.006	5627112	500.0	642.4	M
1	5.577	5.583	-0.006	4749439	500.0	699.0	M
		Average of Peak Amounts =				648.0	
2	2.391	2.386	0.005	3324781	500.0	525.0	
2	2.771	2.766	0.005	6865948	500.0	562.7	
2	2.985	2.978	0.007	4582866	500.0	557.3	
2	3.278	3.273	0.005	14196064	500.0	566.4	
2	3.429	3.424	0.005	5342386	500.0	570.3	
2	3.495	3.490	0.005	4100505	500.0	590.6	
2	3.901	3.898	0.003	6160590	500.0	596.1	
2	4.341	4.338	0.003	3350994	500.0	644.1	
		Average of Peak Amounts =				576.6	
						RPD = 11.67	
8 PCB-1260							M
1	6.571	6.579	-0.008	4904655	500.0	641.7	
1	6.830	6.837	-0.007	10205178	500.0	658.7	
1	7.202	7.210	-0.008	12149709	500.0	654.7	
1	8.099	8.106	-0.007	8725988	500.0	699.4	M
1	8.525	8.533	-0.008	8079473	500.0	666.4	M
1	8.842	8.849	-0.007	20330494	500.0	672.4	M
1	9.220	9.228	-0.008	20072114	500.0	656.3	
1	9.750	9.758	-0.008	5874011	500.0	635.8	
		Average of Peak Amounts =				660.7	
2	5.330	5.328	0.002	11263929	500.0	630.3	
2	6.039	6.037	0.002	16614846	500.0	561.6	
2	6.206	6.203	0.003	8841557	500.0	552.5	
2	6.563	6.561	0.002	9153915	500.0	531.7	
2	7.069	7.067	0.002	24171287	500.0	596.3	
2	7.578	7.576	0.002	11401802	500.0	586.5	
2	7.754	7.753	0.001	8792219	500.0	677.3	
2	8.630	8.631	-0.001	6442252	500.0	633.8	
		Average of Peak Amounts =				596.3	
						RPD = 10.25	
$ 11 DCB Decachlorobiphenyl							M
1	10.215	10.227	-0.012	16462061	50.0	59.6	
2	9.132	9.134	-0.002	18282251	50.0	58.6	M
						RPD = 1.76	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

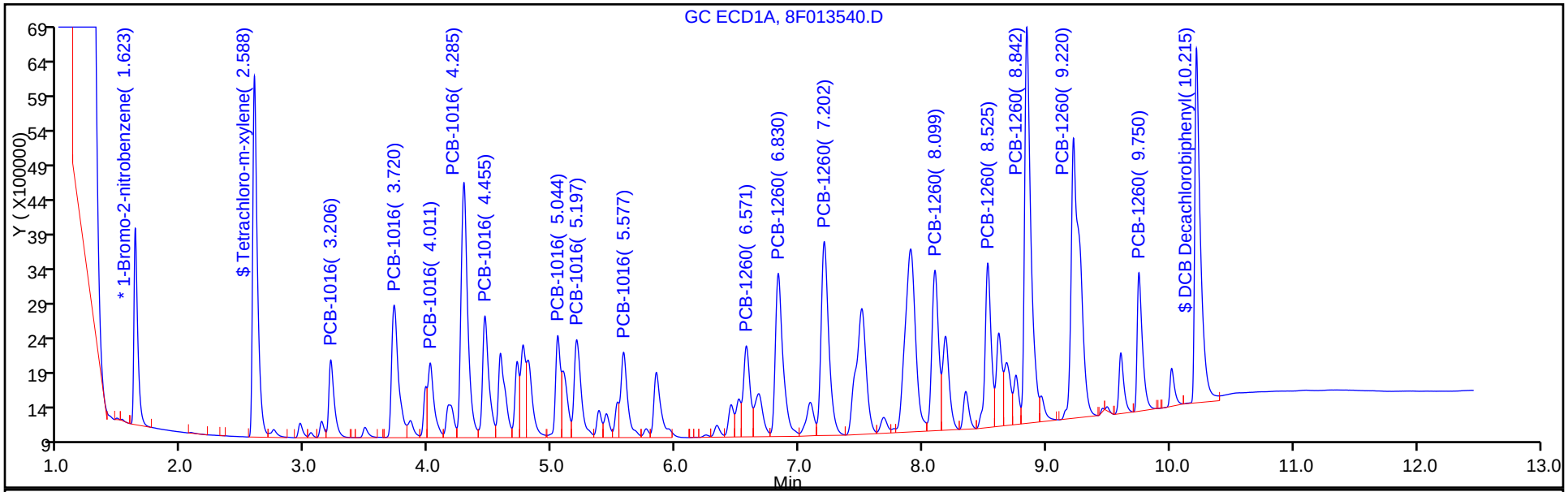
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

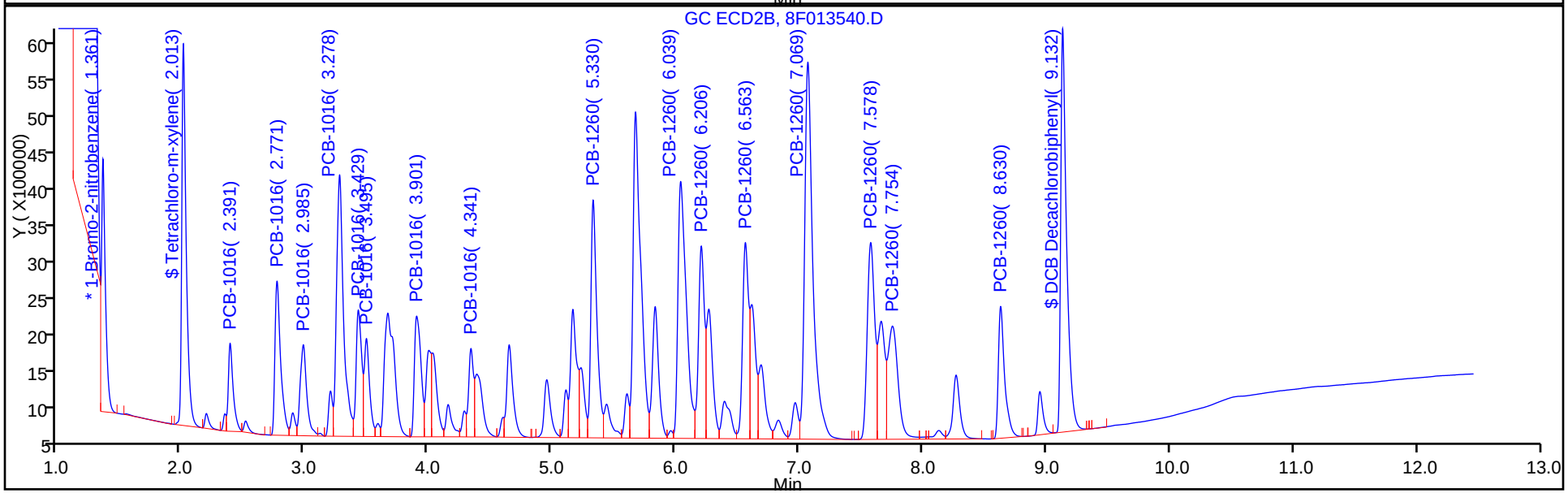
Report Date: 24-Aug-2016 11:23:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D

Injection Date:	23-Aug-2016 13:51:51	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	LCS 460-386175/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 24-Aug-2016 11:23:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D

Injection Date: 23-Aug-2016 13:51:51 Instrument ID: CPESTGC8

Lims ID: LCS 460-386175/2-A

Client ID:

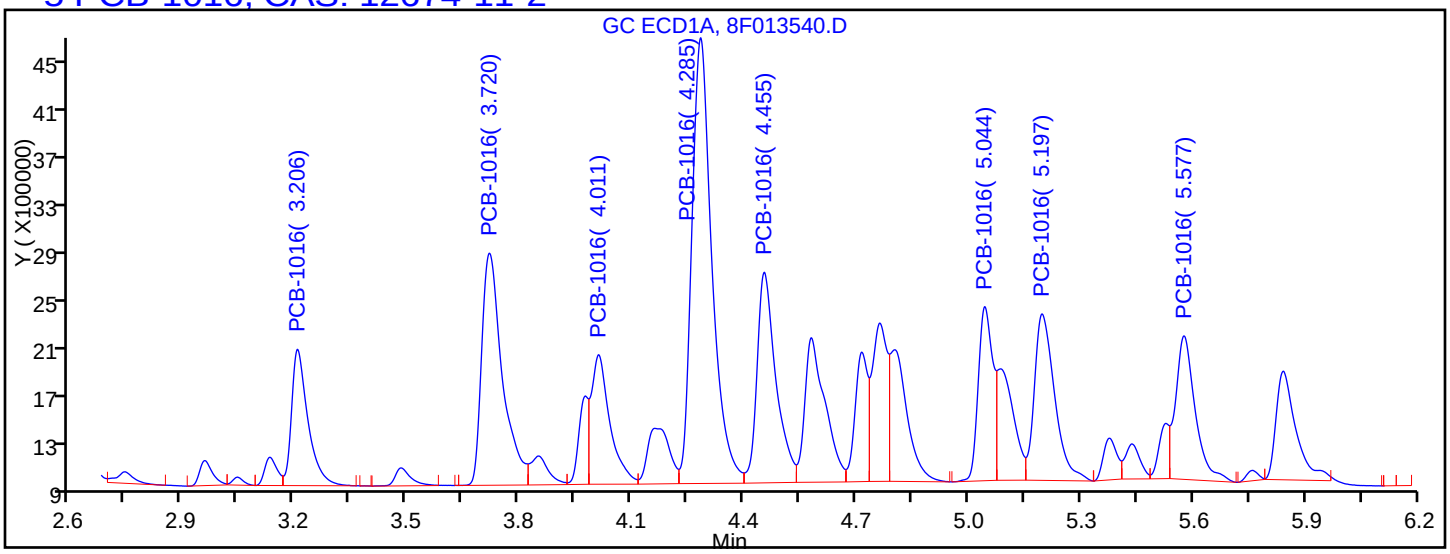
Operator ID: ALS Bottle#: 25 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

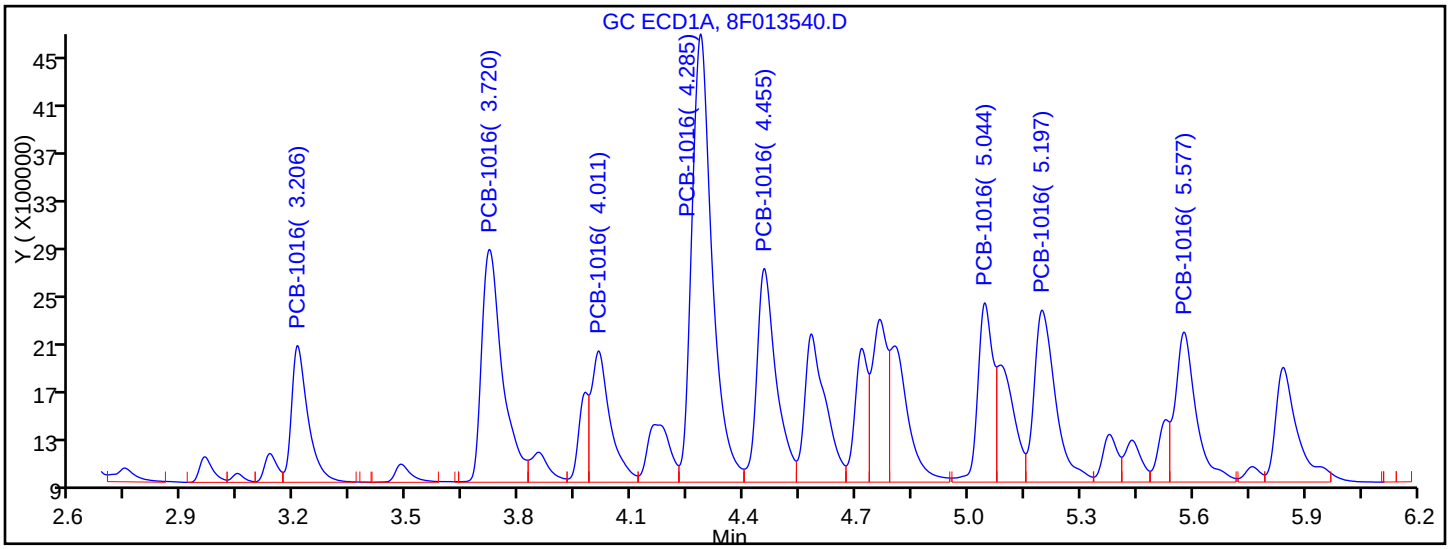
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.206	Response = 3410308	M
RT = 3.720	Response = 7322920	M
RT = 4.011	Response = 3641989	M
RT = 4.285	Response = 13733020	M
RT = 4.455	Response = 6080810	M
RT = 5.044	Response = 3907726	M
RT = 5.197	Response = 5160872	M
RT = 5.577	Response = 4282468	M



Manual Integration Results

RT = 3.206	Response = 3441575	M
RT = 3.720	Response = 7392758	M
RT = 4.011	Response = 3757100	M
RT = 4.285	Response = 13949162	M
RT = 4.455	Response = 6297450	M
RT = 5.044	Response = 4189253	M

Report Date: 24-Aug-2016 11:23:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D

Injection Date: 23-Aug-2016 13:51:51 Instrument ID: CPESTGC8

Lims ID: LCS 460-386175/2-A

Client ID:

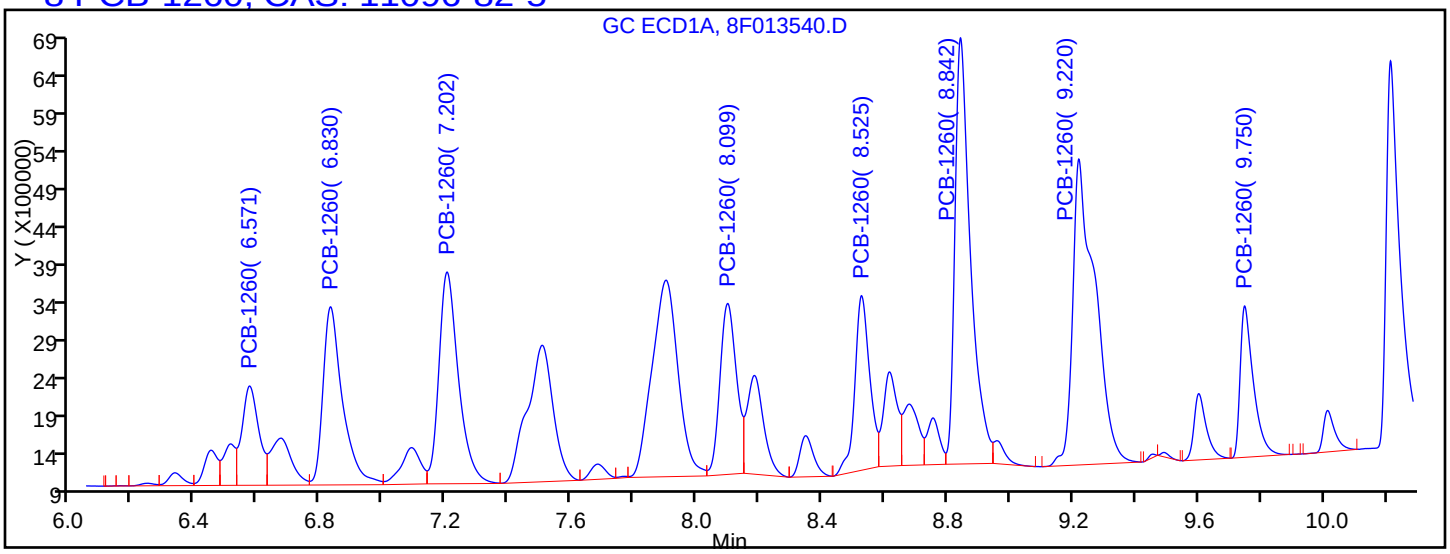
Operator ID: ALS Bottle#: 25 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

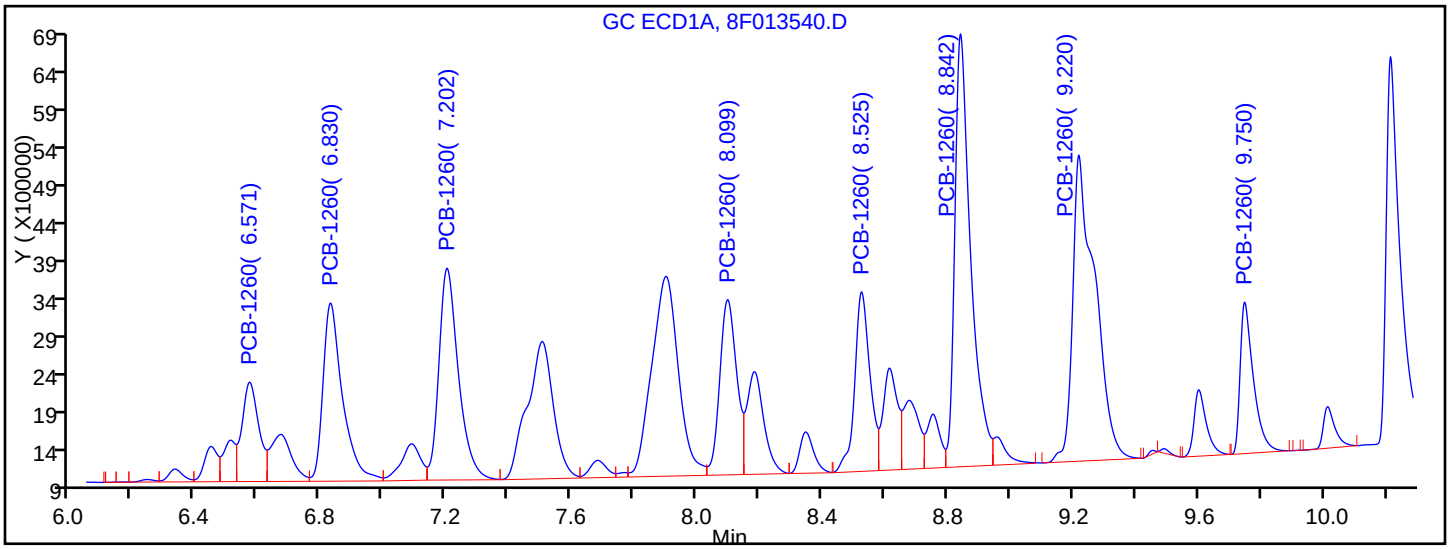
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.571	Response = 4904655	
RT = 6.830	Response = 10205178	
RT = 7.202	Response = 12149709	
RT = 8.099	Response = 8345286	M
RT = 8.525	Response = 7624666	M
RT = 8.842	Response = 19582783	M
RT = 9.220	Response = 20072114	
RT = 9.750	Response = 5874011	



Manual Integration Results

RT = 6.571	Response = 4904655	
RT = 6.830	Response = 10205178	
RT = 7.202	Response = 12149709	
RT = 8.099	Response = 8725988	M
RT = 8.525	Response = 8079473	M
RT = 8.842	Response = 20330494	M

Manual Integration/User Assign Peak Report

TestAmerica Edison

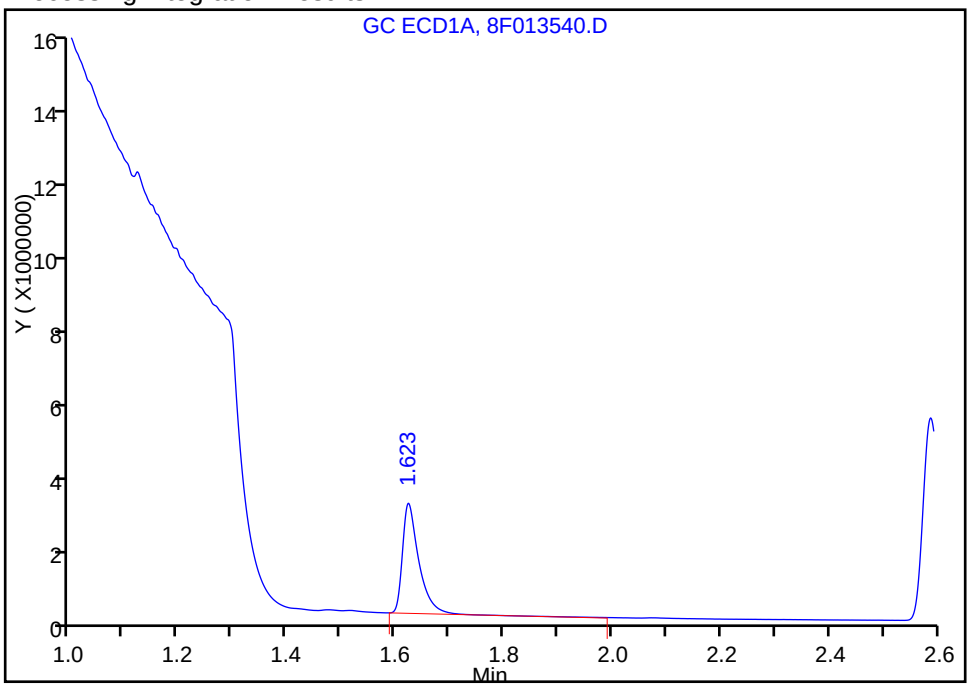
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D				
Injection Date:	23-Aug-2016 13:51:51	Instrument ID:	CPESTGC8		
Lims ID:	LCS 460-386175/2-A				
Client ID:					
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

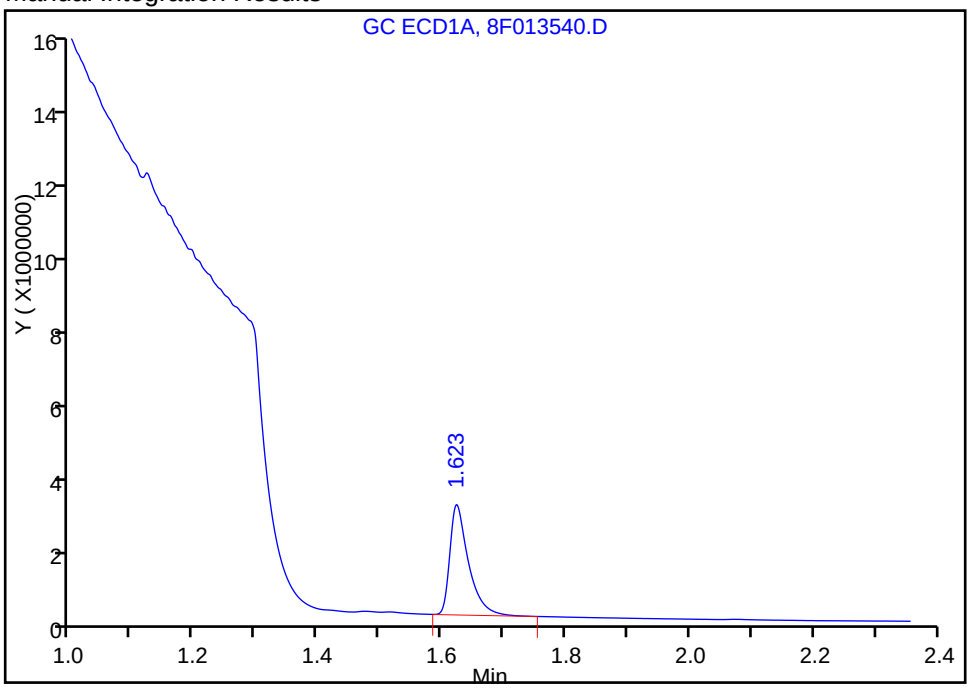
Processing Integration Results

RT: 1.62
Area: 5995811
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.62
Area: 5953099
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:11:33

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-386175/2-A

Matrix: Solid | Lab File ID: 8F013540.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0000(g) | Date Analyzed: 08/23/2016 13:51

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*384*		*67*	*8.9*
11096-82-5	*Aroclor 1260*	*398*		*67*	*9.2*
1336-36-3	*Polychlorinated biphenyls, Total*	*782*		*67*	*9.2*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D
Lims ID: LCS 460-386175/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2016 13:51:51 ALS Bottle#: 25 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-025
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 23-Aug-2016 14:11:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.623	1.625	-0.002	5953099	20.0	20.0	M
2	1.361	1.358	0.003	7727327	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.588	2.593	-0.005	13831996	50.0	55.6	M
2	2.013	2.007	0.006	13047792	50.0	43.0	
						RPD = 25.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.206	3.212	-0.006	3441575	500.0	607.2	M
1	3.720	3.725	-0.005	7392758	500.0	638.2	M
1	4.011	4.017	-0.006	3757100	500.0	619.6	M
1	4.285	4.290	-0.005	13949162	500.0	662.6	M
1	4.455	4.460	-0.005	6297450	500.0	678.9	M
1	5.044	5.050	-0.006	4189253	500.0	636.2	M
1	5.197	5.203	-0.006	5627112	500.0	642.4	M
1	5.577	5.583	-0.006	4749439	500.0	699.0	M
		Average of Peak Amounts =				648.0	
2	2.391	2.386	0.005	3324781	500.0	525.0	
2	2.771	2.766	0.005	6865948	500.0	562.7	
2	2.985	2.978	0.007	4582866	500.0	557.3	
2	3.278	3.273	0.005	14196064	500.0	566.4	
2	3.429	3.424	0.005	5342386	500.0	570.3	
2	3.495	3.490	0.005	4100505	500.0	590.6	
2	3.901	3.898	0.003	6160590	500.0	596.1	
2	4.341	4.338	0.003	3350994	500.0	644.1	
		Average of Peak Amounts =				576.6	
						RPD = 11.67	
8 PCB-1260							M
1	6.571	6.579	-0.008	4904655	500.0	641.7	
1	6.830	6.837	-0.007	10205178	500.0	658.7	
1	7.202	7.210	-0.008	12149709	500.0	654.7	
1	8.099	8.106	-0.007	8725988	500.0	699.4	M
1	8.525	8.533	-0.008	8079473	500.0	666.4	M
1	8.842	8.849	-0.007	20330494	500.0	672.4	M
1	9.220	9.228	-0.008	20072114	500.0	656.3	
1	9.750	9.758	-0.008	5874011	500.0	635.8	
		Average of Peak Amounts =				660.7	
2	5.330	5.328	0.002	11263929	500.0	630.3	
2	6.039	6.037	0.002	16614846	500.0	561.6	
2	6.206	6.203	0.003	8841557	500.0	552.5	
2	6.563	6.561	0.002	9153915	500.0	531.7	
2	7.069	7.067	0.002	24171287	500.0	596.3	
2	7.578	7.576	0.002	11401802	500.0	586.5	
2	7.754	7.753	0.001	8792219	500.0	677.3	
2	8.630	8.631	-0.001	6442252	500.0	633.8	
		Average of Peak Amounts =				596.3	
						RPD = 10.25	
$ 11 DCB Decachlorobiphenyl							M
1	10.215	10.227	-0.012	16462061	50.0	59.6	
2	9.132	9.134	-0.002	18282251	50.0	58.6	M
						RPD = 1.76	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

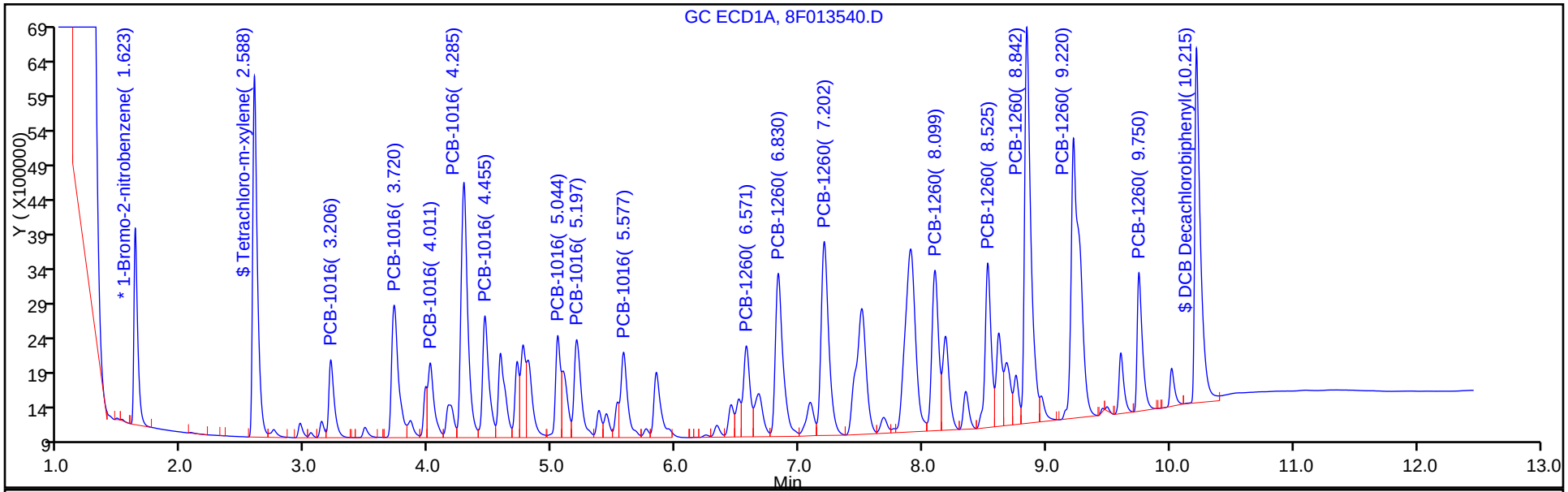
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

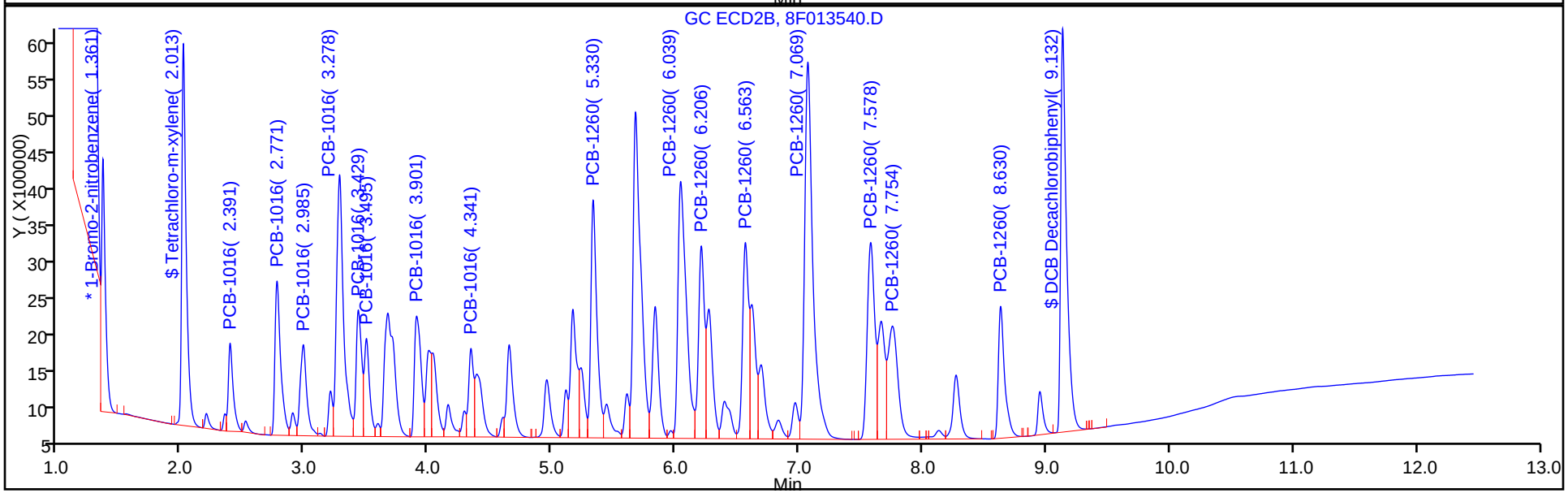
Report Date: 24-Aug-2016 11:23:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D

Injection Date:	23-Aug-2016 13:51:51	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	LCS 460-386175/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

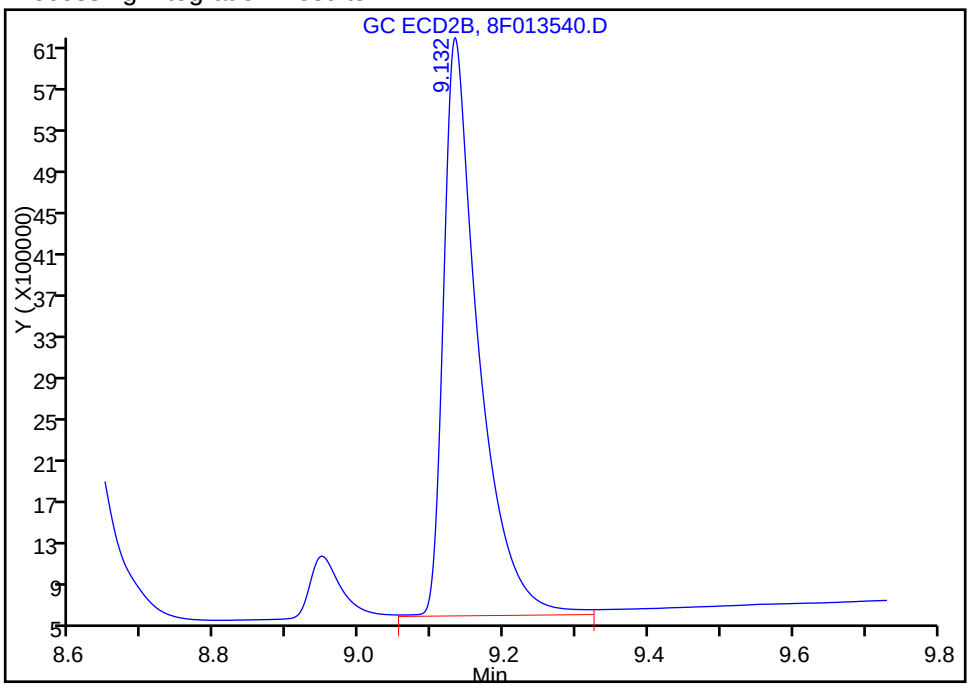
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D				
Injection Date:	23-Aug-2016 13:51:51	Instrument ID:	CPESTGC8		
Lims ID:	LCS 460-386175/2-A				
Client ID:					
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

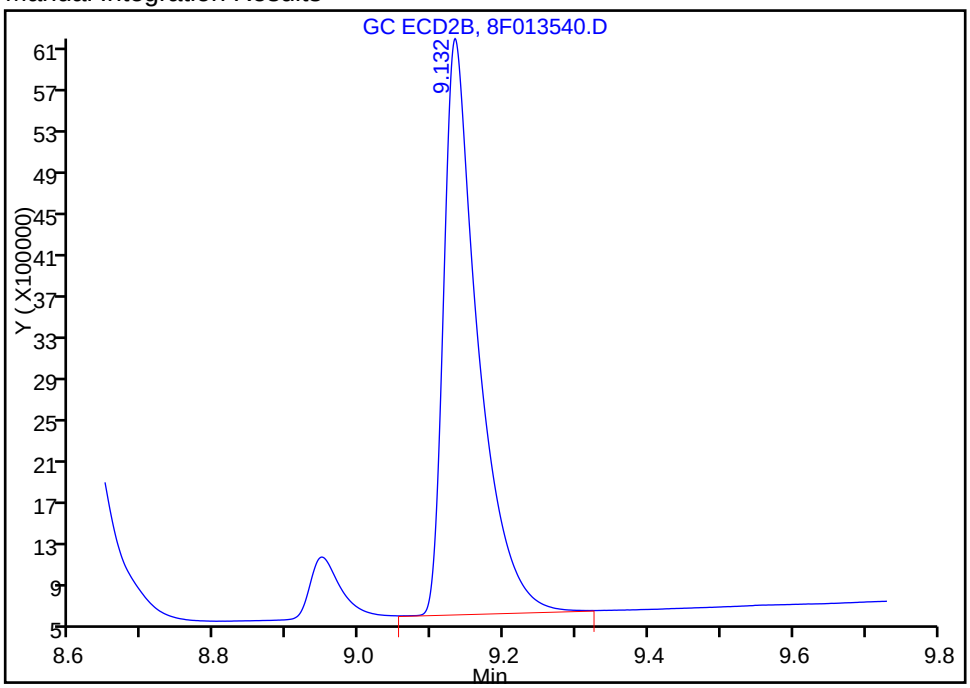
Processing Integration Results

RT: 9.13
Area: 18682513
Amount: 59.876738
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 18282251
Amount: 58.593914
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:11:33

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

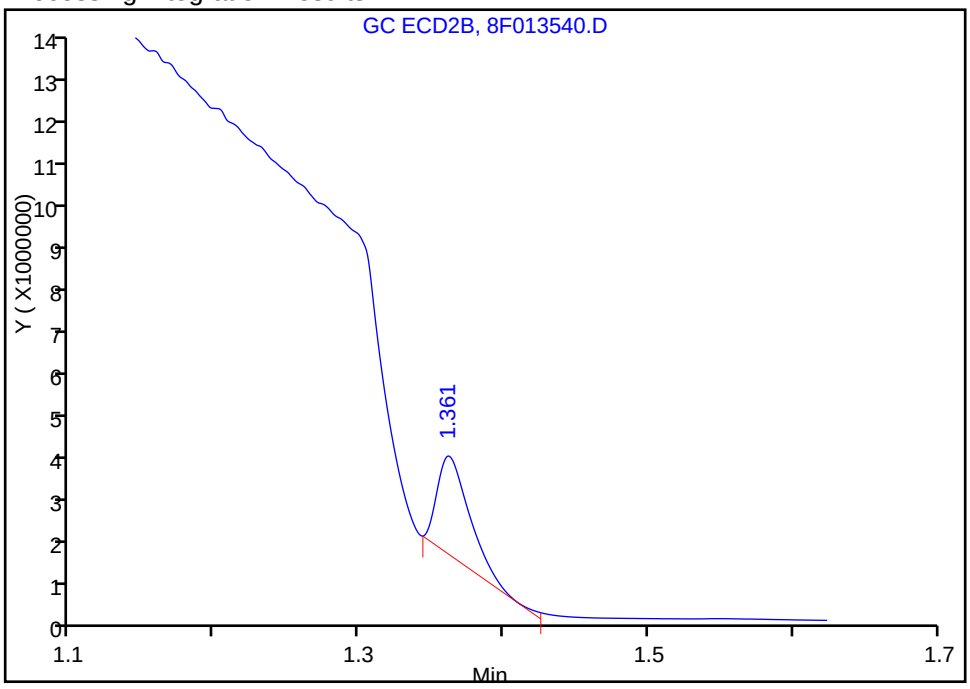
Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013540.D
Injection Date: 23-Aug-2016 13:51:51 Instrument ID: CPESTGC8
Lims ID: LCS 460-386175/2-A
Client ID:
Operator ID: ALS Bottle#: 25 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

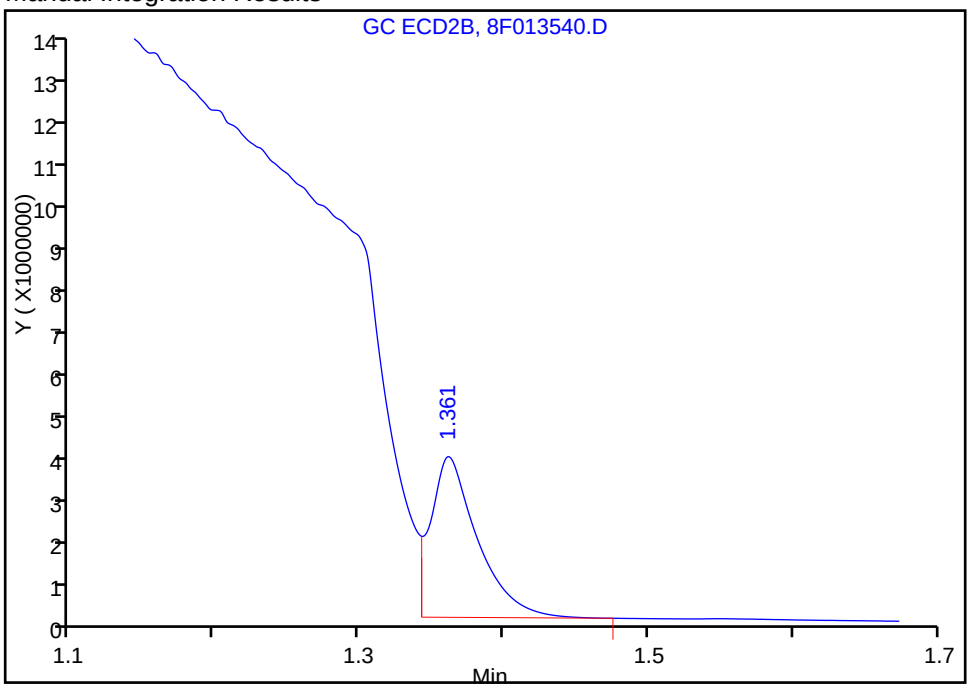
Processing Integration Results

RT: 1.36
Area: 3370551
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 7727327
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 14:11:33
Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MS | Lab Sample ID: 460-118857-5 MS

Matrix: Solid | Lab File ID: T1332074.D

Analysis Method: 8082A | Date Collected: 08/18/2016 11:55

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0088(g) | Date Analyzed: 08/23/2016 15:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*421*		*71*	*9.4*
11104-28-2	*Aroclor 1221*	*71*	*U*	*71*	*9.4*
11141-16-5	*Aroclor 1232*	*71*	*U*	*71*	*9.4*
53469-21-9	*Aroclor 1242*	*71*	*U*	*71*	*9.4*
12672-29-6	*Aroclor 1248*	*71*	*U*	*71*	*9.4*
11097-69-1	*Aroclor 1254*	*71*	*U*	*71*	*9.7*
11096-82-5	*Aroclor 1260*	*427*		*71*	*9.7*
11100-14-4	*Aroclor 1268*	*71*	*U*	*71*	*9.7*
37324-23-5	*Aroclor-1262*	*71*	*U*	*71*	*9.7*
1336-36-3	*Polychlorinated biphenyls, Total*	*848*		*71*	*9.7*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332074.D
Lims ID: 460-118857-F-5-D MS
Client ID: SB-8 (2-4) 08182016
Sample Type: MS
Inject. Date: 23-Aug-2016 15:38:52 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-007
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:23:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.516	1.516	0.000	40368172	20.0	20.0	
2	1.347	1.347	0.000	41556287	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.400	2.401	-0.001	99650965	50.0	56.0	
2	1.969	1.969	0.000	115641002	50.0	62.0	
						RPD = 10.14	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.967	2.968	-0.001	20850176	500.0	628.3	
1	3.434	3.434	0.000	38404858	500.0	588.2	
1	3.705	3.704	0.001	16398241	500.0	576.8	
1	3.952	3.952	0.000	78745251	500.0	591.1	
1	4.108	4.108	0.000	33370882	500.0	594.1	
1	4.348	4.349	-0.001	17626974	500.0	610.5	
1	4.646	4.646	0.000	27035054	500.0	602.9	
1	4.785	4.785	0.000	30225217	500.0	609.5	
		Average of Peak Amounts =				600.2	
2	2.325	2.325	0.000	22496373	500.0	652.5	
2	2.679	2.679	0.000	47580628	500.0	706.5	
2	2.879	2.880	-0.001	29905109	500.0	665.1	
2	3.152	3.154	-0.002	98454935	500.0	657.9	
2	3.291	3.292	-0.001	40878769	500.0	661.3	
2	3.355	3.355	0.000	24642789	500.0	645.5	
2	3.727	3.726	0.001	41125900	500.0	656.3	
2	3.817	3.818	-0.001	24908744	500.0	712.3	
		Average of Peak Amounts =				669.7	
						RPD = 10.95	
8 PCB-1260							
1	5.950	5.951	-0.001	26320681	500.0	616.6	
1	6.162	6.163	-0.001	54691872	500.0	609.2	
1	6.470	6.471	-0.001	63729583	500.0	607.4	
1	7.168	7.169	-0.001	51625390	500.0	611.9	
1	7.668	7.670	-0.002	56443502	500.0	606.8	
1	8.160	8.160	0.000	116668107	500.0	597.3	
1	8.886	8.889	-0.003	87893493	500.0	600.9	
1	9.939	9.939	0.000	33296801	500.0	615.2	
		Average of Peak Amounts =				608.2	
2	5.042	5.042	0.000	60859170	500.0	674.9	
2	5.656	5.657	-0.001	105771441	500.0	679.1	
2	5.800	5.801	-0.001	61164411	500.0	644.1	
2	6.105	6.105	0.000	62540217	500.0	648.6	
2	6.540	6.539	0.001	150054131	500.0	702.0	
2	6.952	6.953	-0.001	71703518	500.0	651.7	
2	7.093	7.093	0.000	42760545	500.0	681.7	
2	8.042	8.045	-0.003	42085640	500.0	681.7	
		Average of Peak Amounts =				670.5	
						RPD = 9.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.516	10.514	0.002	85228613	50.0	59.0	
2	8.979	8.983	-0.004	129155011	50.0	64.6	
						RPD = 8.97	
S 12 Polychlorinated biphenyls, Total							
1						1208.3	
16 1260 Res 1							
2	7.024	7.019	0.004	33888981		NR	
14 1260 Res 2							
2	7.093	7.093	0.000	42760545		NR	
15 1260 Res 3							
2	7.253	7.160	0.093	108381		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

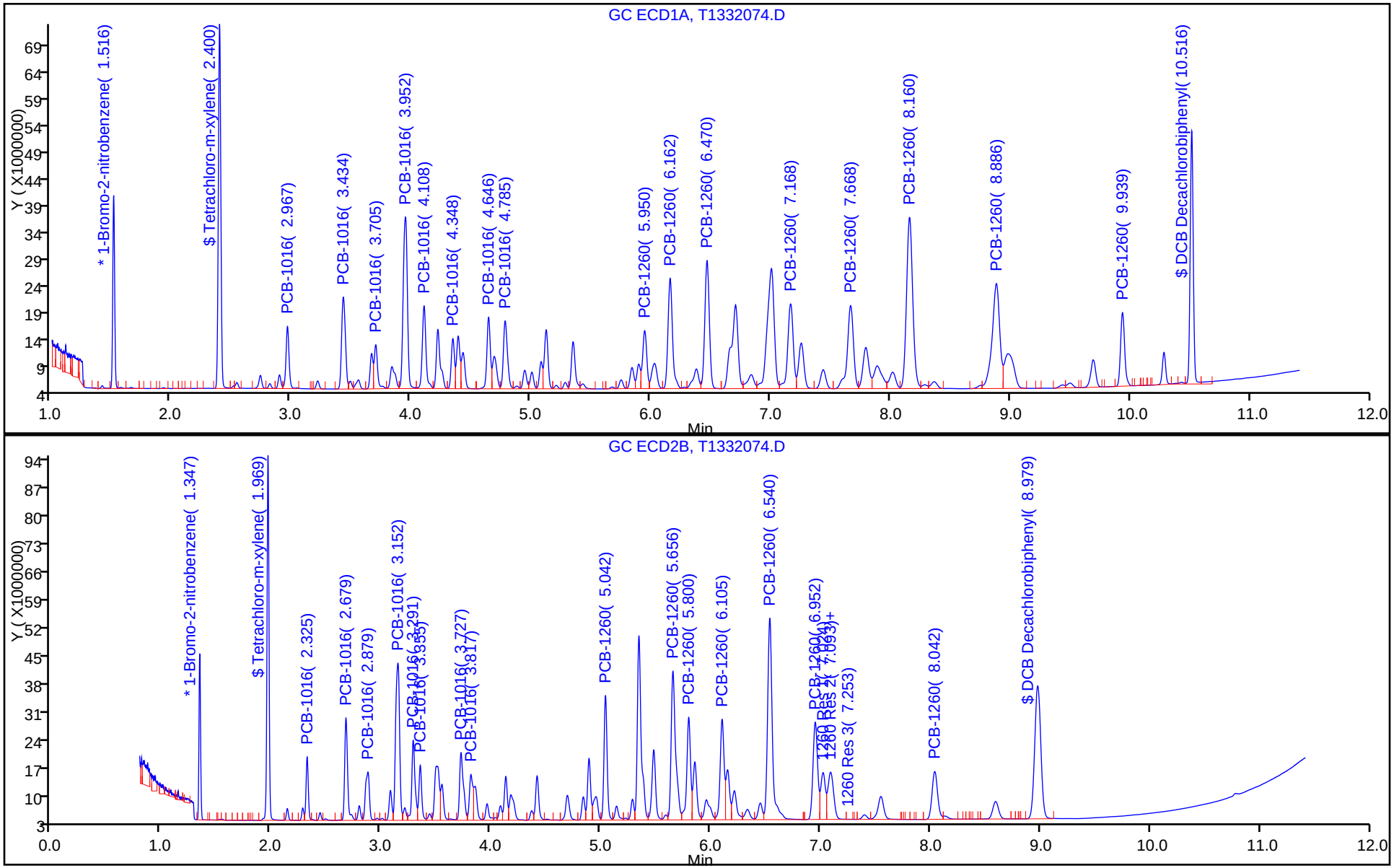
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332074.D

Injection Date:	23-Aug-2016 15:38:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-5-D MS			Worklist Smp#:	7
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MS | Lab Sample ID: 460-118857-5 MS

Matrix: Solid | Lab File ID: T1332074.D

Analysis Method: 8082A | Date Collected: 08/18/2016 11:55

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0088(g) | Date Analyzed: 08/23/2016 15:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	470		71	9.4
11104-28-2	Aroclor 1221	71	U	71	9.4
11141-16-5	Aroclor 1232	71	U	71	9.4
53469-21-9	Aroclor 1242	71	U	71	9.4
12672-29-6	Aroclor 1248	71	U	71	9.4
11097-69-1	Aroclor 1254	71	U	71	9.7
11096-82-5	Aroclor 1260	470		71	9.7
11100-14-4	Aroclor 1268	71	U	71	9.7
37324-23-5	Aroclor-1262	71	U	71	9.7
1336-36-3	Polychlorinated biphenyls, Total	940		71	9.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	129		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332074.D
Lims ID: 460-118857-F-5-D MS
Client ID: SB-8 (2-4) 08182016
Sample Type: MS
Inject. Date: 23-Aug-2016 15:38:52 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-007
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:23:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.516	1.516	0.000	40368172	20.0	20.0	
2	1.347	1.347	0.000	41556287	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.400	2.401	-0.001	99650965	50.0	56.0	
2	1.969	1.969	0.000	115641002	50.0	62.0	
						RPD = 10.14	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.967	2.968	-0.001	20850176	500.0	628.3	
1	3.434	3.434	0.000	38404858	500.0	588.2	
1	3.705	3.704	0.001	16398241	500.0	576.8	
1	3.952	3.952	0.000	78745251	500.0	591.1	
1	4.108	4.108	0.000	33370882	500.0	594.1	
1	4.348	4.349	-0.001	17626974	500.0	610.5	
1	4.646	4.646	0.000	27035054	500.0	602.9	
1	4.785	4.785	0.000	30225217	500.0	609.5	
		Average of Peak Amounts =				600.2	
2	2.325	2.325	0.000	22496373	500.0	652.5	
2	2.679	2.679	0.000	47580628	500.0	706.5	
2	2.879	2.880	-0.001	29905109	500.0	665.1	
2	3.152	3.154	-0.002	98454935	500.0	657.9	
2	3.291	3.292	-0.001	40878769	500.0	661.3	
2	3.355	3.355	0.000	24642789	500.0	645.5	
2	3.727	3.726	0.001	41125900	500.0	656.3	
2	3.817	3.818	-0.001	24908744	500.0	712.3	
		Average of Peak Amounts =				669.7	
						RPD = 10.95	
8 PCB-1260							
1	5.950	5.951	-0.001	26320681	500.0	616.6	
1	6.162	6.163	-0.001	54691872	500.0	609.2	
1	6.470	6.471	-0.001	63729583	500.0	607.4	
1	7.168	7.169	-0.001	51625390	500.0	611.9	
1	7.668	7.670	-0.002	56443502	500.0	606.8	
1	8.160	8.160	0.000	116668107	500.0	597.3	
1	8.886	8.889	-0.003	87893493	500.0	600.9	
1	9.939	9.939	0.000	33296801	500.0	615.2	
		Average of Peak Amounts =				608.2	
2	5.042	5.042	0.000	60859170	500.0	674.9	
2	5.656	5.657	-0.001	105771441	500.0	679.1	
2	5.800	5.801	-0.001	61164411	500.0	644.1	
2	6.105	6.105	0.000	62540217	500.0	648.6	
2	6.540	6.539	0.001	150054131	500.0	702.0	
2	6.952	6.953	-0.001	71703518	500.0	651.7	
2	7.093	7.093	0.000	42760545	500.0	681.7	
2	8.042	8.045	-0.003	42085640	500.0	681.7	
		Average of Peak Amounts =				670.5	
						RPD = 9.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.516	10.514	0.002	85228613	50.0	59.0	
2	8.979	8.983	-0.004	129155011	50.0	64.6	
						RPD = 8.97	
S 12 Polychlorinated biphenyls, Total							
1						1208.3	
16 1260 Res 1							
2	7.024	7.019	0.004	33888981		NR	
14 1260 Res 2							
2	7.093	7.093	0.000	42760545		NR	
15 1260 Res 3							
2	7.253	7.160	0.093	108381		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

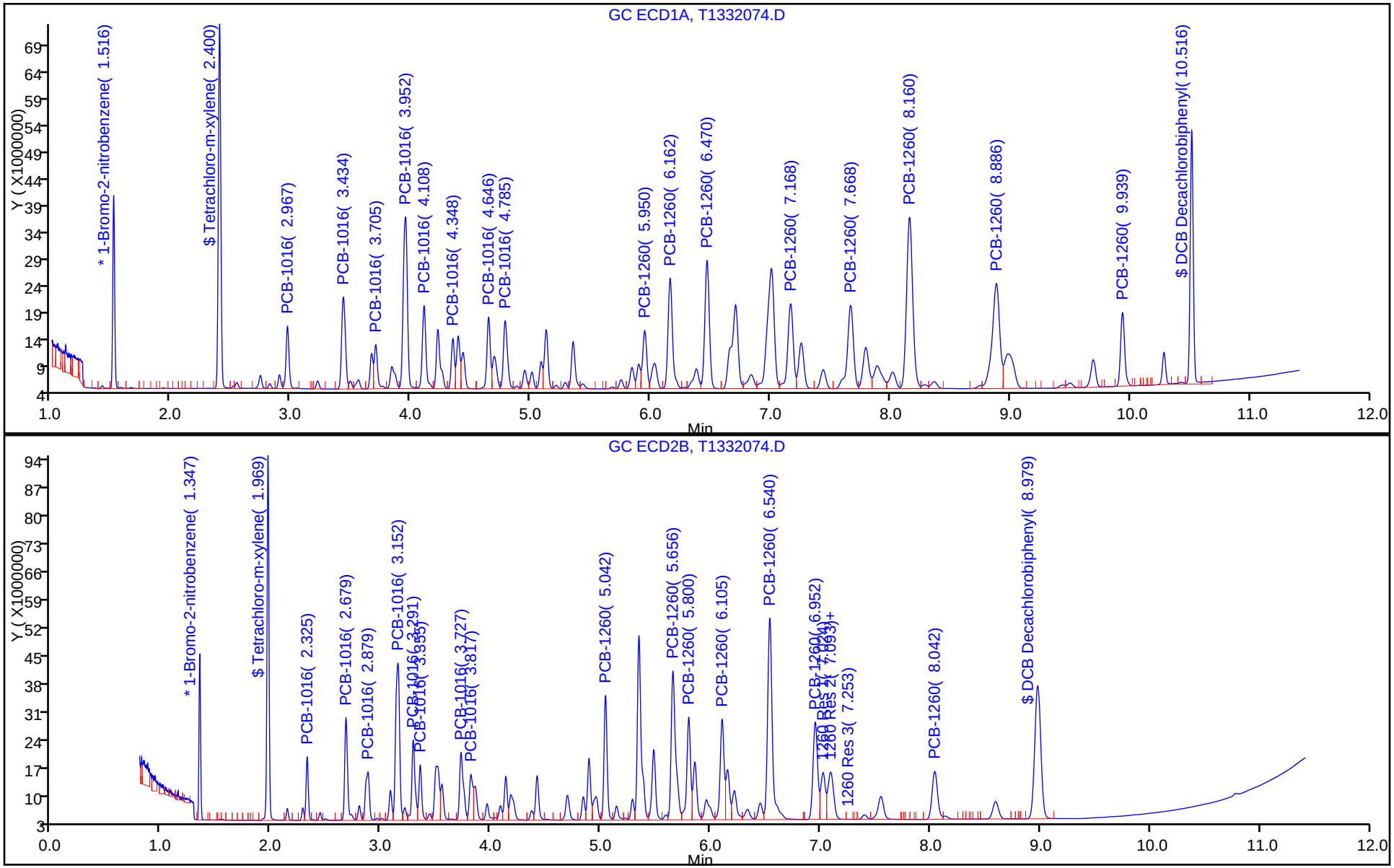
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332074.D

Injection Date:	23-Aug-2016 15:38:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-5-D MS			Worklist Smp#:	7
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118778-K-10-A MS

Matrix: Water | Lab File ID: 8F013522.D

Analysis Method: 8082A | Date Collected: 08/16/2016 14:00

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 08:46

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	5.35		0.40	0.098
11104-28-2	*Aroclor 1221*	*0.40*	*U*	*0.40*	*0.098*
11141-16-5	*Aroclor 1232*	*0.40*	*U*	*0.40*	*0.098*
53469-21-9	*Aroclor 1242*	*0.40*	*U*	*0.40*	*0.098*
12672-29-6	*Aroclor 1248*	*0.40*	*U*	*0.40*	*0.098*
11097-69-1	*Aroclor 1254*	*0.40*	*U*	*0.40*	*0.084*
11096-82-5	Aroclor 1260	5.98		0.40	0.084
11100-14-4	*Aroclor 1268*	*0.40*	*U*	*0.40*	*0.084*
37324-23-5	*Aroclor-1262*	*0.40*	*U*	*0.40*	*0.084*
1336-36-3	Polychlorinated biphenyls, Total	11.3		0.40	0.098

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	138		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013522.D
Lims ID: 460-118778-K-10-A MS
Client ID: OB-13-081616
Sample Type: MS
Inject. Date: 23-Aug-2016 08:46:52 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-007
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 10:36:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.622	1.622	0.000	4548838	20.0	20.0	
2	1.361	1.357	0.004	7465246	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.587	2.588	-0.001	19657198	100.0	103.4	
2	2.012	2.006	0.006	18951242	100.0	64.6	
						RPD = 46.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.204	3.206	-0.002	5081929	1000.0	1173.3	
1	3.718	3.720	-0.002	11038806	1000.0	1247.2	
1	4.009	4.013	-0.004	5773115	1000.0	1245.9	
1	4.283	4.285	-0.002	22055665	1000.0	1371.0	
1	4.453	4.455	-0.002	9877963	1000.0	1393.7	
1	5.043	5.044	-0.001	6529361	1000.0	1297.6	M
1	5.195	5.198	-0.003	9318429	1000.0	1392.2	M
1	5.575	5.578	-0.003	8245782	1000.0	1588.3	M
		Average of Peak Amounts =				1338.7	
2	2.390	2.384	0.006	5164866	1000.0	844.1	
2	2.770	2.764	0.006	10606435	1000.0	899.8	
2	2.983	2.977	0.006	7502010	1000.0	944.4	
2	3.277	3.272	0.005	23332652	1000.0	963.7	M
2	3.428	3.423	0.005	9026574	1000.0	997.3	M
2	3.493	3.489	0.004	7128413	1000.0	1062.8	M
2	3.899	3.895	0.004	10823007	1000.0	1084.0	
2	4.339	4.335	0.004	5787097	1000.0	1151.4	
		Average of Peak Amounts =				993.4	
						RPD = 29.61	
8 PCB-1260							
1	6.568	6.572	-0.004	8531453	1000.0	1460.7	
1	6.826	6.829	-0.003	17747401	1000.0	1499.1	
1	7.198	7.203	-0.005	21483471	1000.0	1515.1	
1	8.094	8.098	-0.004	14808986	1000.0	1553.5	
1	8.523	8.525	-0.002	13942584	1000.0	1505.0	
1	8.838	8.840	-0.002	34609904	1000.0	1498.0	
1	9.218	9.219	-0.001	34559406	1000.0	1478.8	
1	9.747	9.746	0.001	10260273	1000.0	1453.4	
		Average of Peak Amounts =				1495.5	
2	5.328	5.324	0.004	19387297	1000.0	1123.0	
2	6.036	6.033	0.003	32224852	1000.0	1127.5	
2	6.203	6.199	0.004	15977450	1000.0	1033.5	
2	6.560	6.557	0.003	16441966	1000.0	988.6	
2	7.066	7.061	0.005	42136501	1000.0	1076.0	
2	7.573	7.569	0.004	20979792	1000.0	1117.1	
2	7.749	7.746	0.003	14751138	1000.0	1176.2	
2	8.627	8.625	0.002	11336493	1000.0	1154.4	
		Average of Peak Amounts =				1099.5	
						RPD = 30.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.213	10.210	0.003	29212428	100.0	138.5	
2	9.128	9.127	0.001	32688516	100.0	108.4	M
						RPD = 24.33	
S 12 Polychlorinated biphenyls, Total							
1						2834.1	
16 1260 Res 1							
2	7.749	7.784	-0.035	14751138		NR	
15 1260 Res 3							
2	8.017	7.972	0.045	49954		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

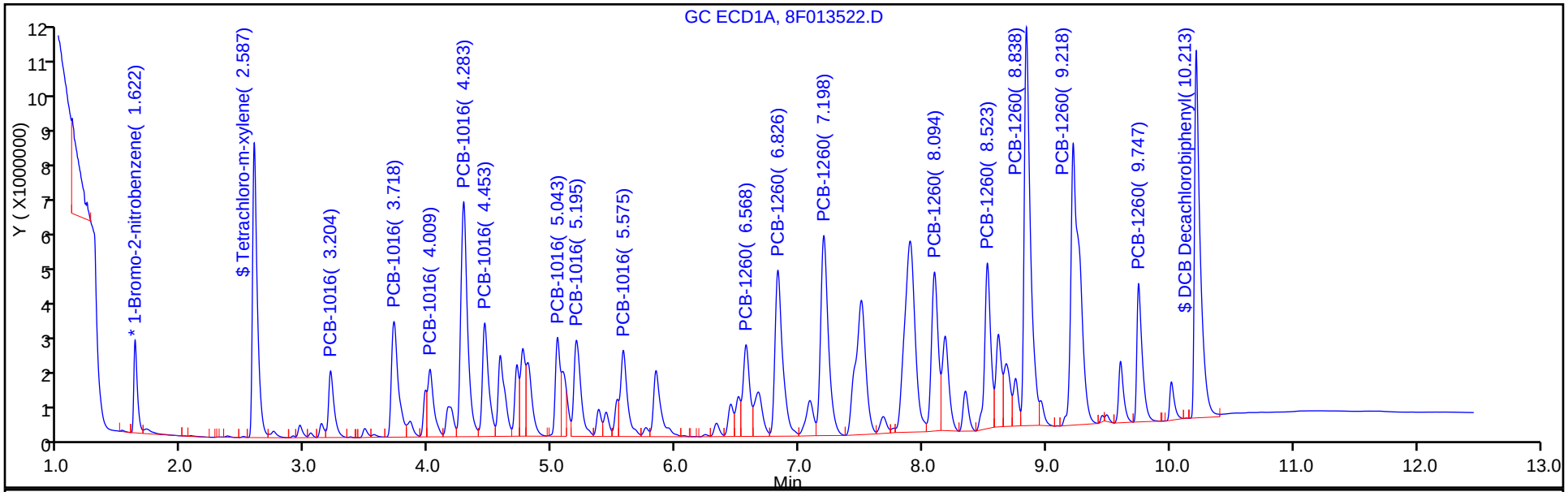
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

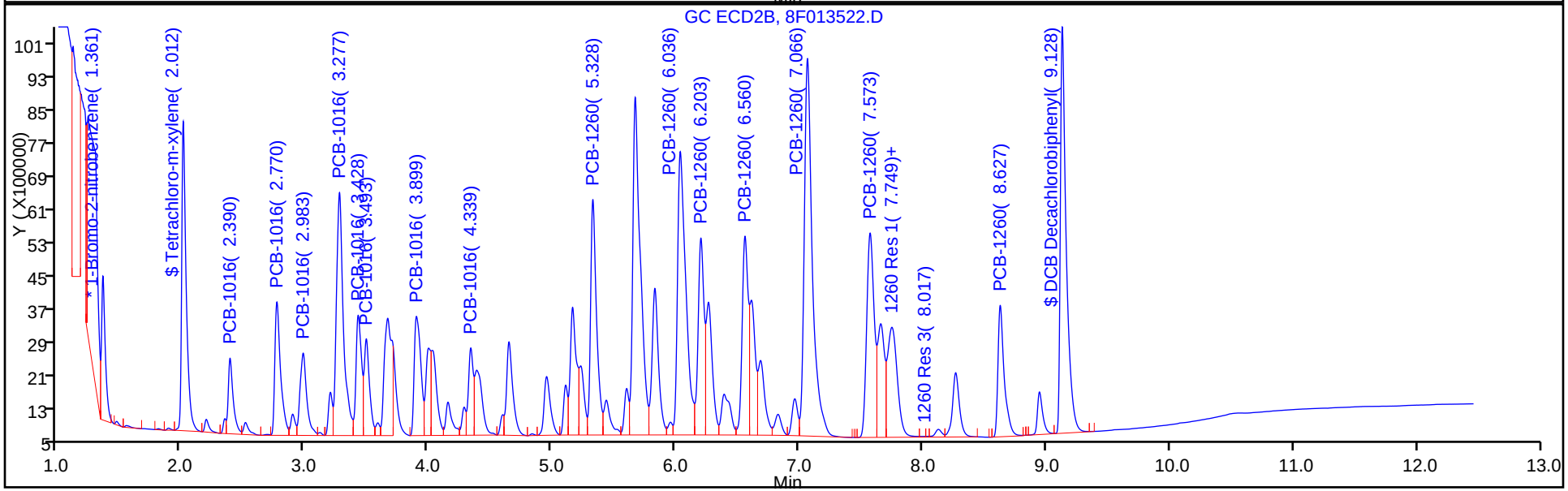
Report Date: 23-Aug-2016 14:53:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013522.D

Injection Date:	23-Aug-2016 08:46:52	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118778-K-10-A MS			Worklist Smp#:	7
Client ID:	OB-13-081616				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 23-Aug-2016 14:53:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013522.D

Injection Date: 23-Aug-2016 08:46:52 Instrument ID: CPESTGC8

Lims ID: 460-118778-K-10-A MS

Client ID: OB-13-081616

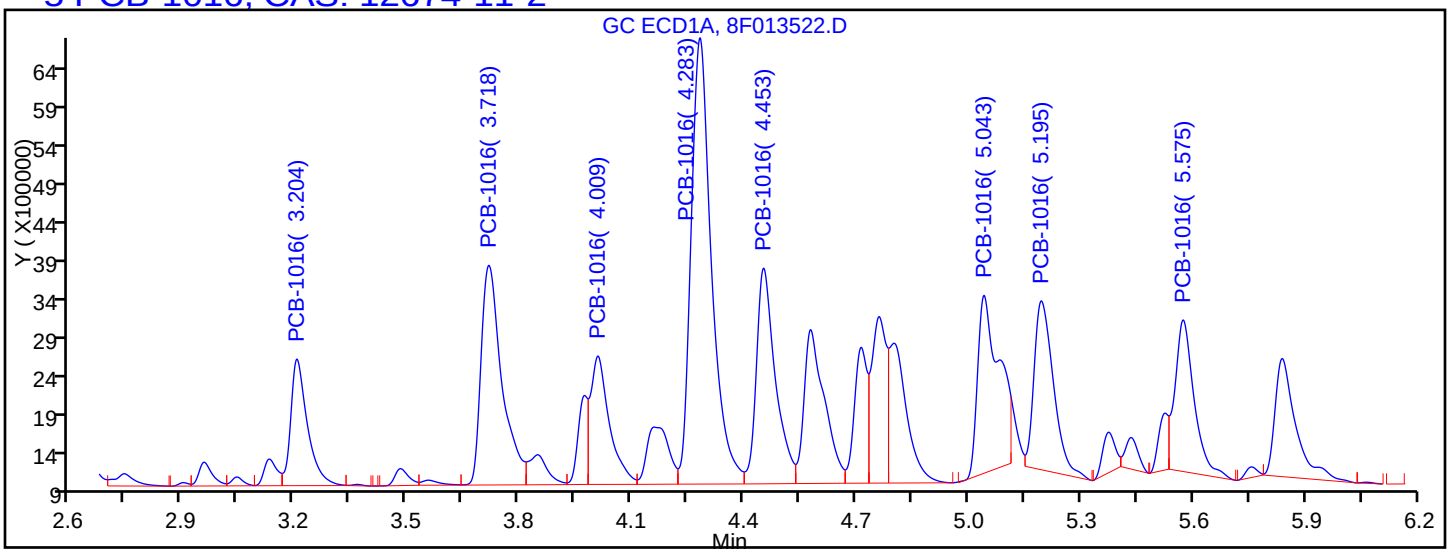
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

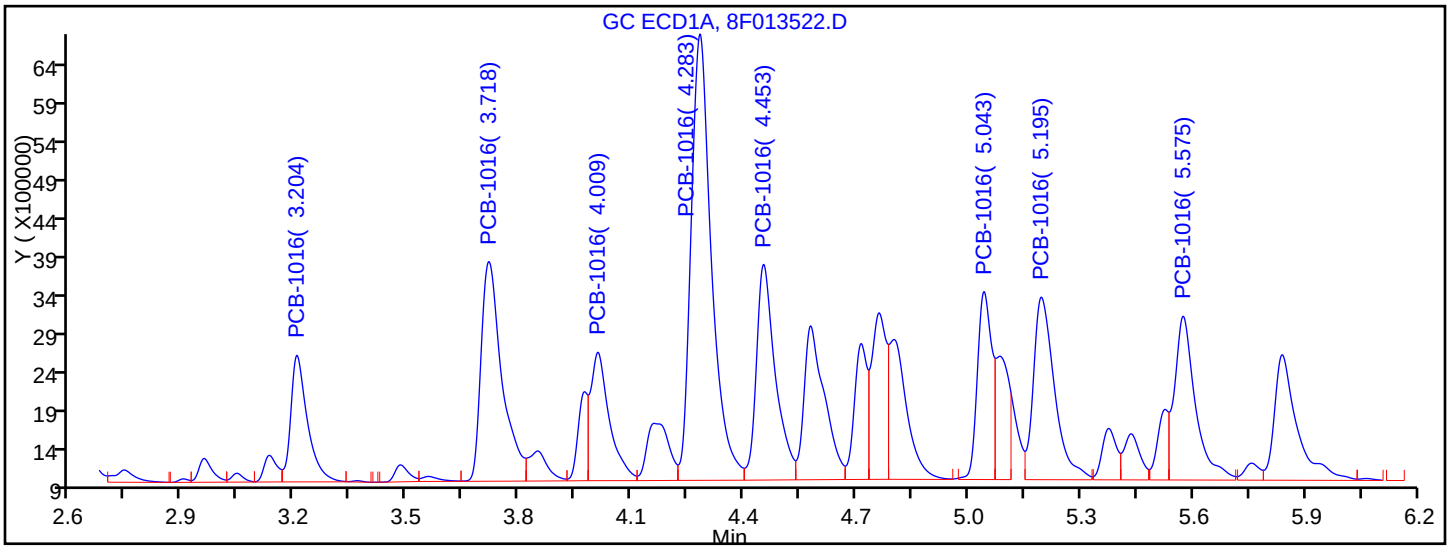
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.204	Response = 5081929	
RT = 3.718	Response = 11038806	
RT = 4.009	Response = 5773115	
RT = 4.283	Response = 22055665	
RT = 4.453	Response = 9877963	
RT = 5.043	Response = 9165529	M
RT = 5.195	Response = 7923310	M
RT = 5.575	Response = 6993631	M



Manual Integration Results

RT = 3.204	Response = 5081929	
RT = 3.718	Response = 11038806	
RT = 4.009	Response = 5773115	
RT = 4.283	Response = 22055665	
RT = 4.453	Response = 9877963	
RT = 5.043	Response = 6529361	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118778-K-10-A MS

Matrix: Water | Lab File ID: 8F013522.D

Analysis Method: 8082A | Date Collected: 08/16/2016 14:00

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 08:46

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*3.97*		*0.40*	*0.098*
11104-28-2	Aroclor 1221	0.40	U	0.40	0.098
11141-16-5	Aroclor 1232	0.40	U	0.40	0.098
53469-21-9	Aroclor 1242	0.40	U	0.40	0.098
12672-29-6	Aroclor 1248	0.40	U	0.40	0.098
11097-69-1	Aroclor 1254	0.40	U	0.40	0.084
11096-82-5	*Aroclor 1260*	*4.40*		*0.40*	*0.084*
11100-14-4	Aroclor 1268	0.40	U	0.40	0.084
37324-23-5	Aroclor-1262	0.40	U	0.40	0.084
1336-36-3	*Polychlorinated biphenyls, Total*	*8.37*		*0.40*	*0.098*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013522.D
Lims ID: 460-118778-K-10-A MS
Client ID: OB-13-081616
Sample Type: MS
Inject. Date: 23-Aug-2016 08:46:52 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-007
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 10:36:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.622	1.622	0.000	4548838	20.0	20.0	
2	1.361	1.357	0.004	7465246	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.587	2.588	-0.001	19657198	100.0	103.4	
2	2.012	2.006	0.006	18951242	100.0	64.6	
						RPD = 46.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.204	3.206	-0.002	5081929	1000.0	1173.3	
1	3.718	3.720	-0.002	11038806	1000.0	1247.2	
1	4.009	4.013	-0.004	5773115	1000.0	1245.9	
1	4.283	4.285	-0.002	22055665	1000.0	1371.0	
1	4.453	4.455	-0.002	9877963	1000.0	1393.7	
1	5.043	5.044	-0.001	6529361	1000.0	1297.6	M
1	5.195	5.198	-0.003	9318429	1000.0	1392.2	M
1	5.575	5.578	-0.003	8245782	1000.0	1588.3	M
		Average of Peak Amounts =				1338.7	
2	2.390	2.384	0.006	5164866	1000.0	844.1	
2	2.770	2.764	0.006	10606435	1000.0	899.8	
2	2.983	2.977	0.006	7502010	1000.0	944.4	
2	3.277	3.272	0.005	23332652	1000.0	963.7	M
2	3.428	3.423	0.005	9026574	1000.0	997.3	M
2	3.493	3.489	0.004	7128413	1000.0	1062.8	M
2	3.899	3.895	0.004	10823007	1000.0	1084.0	
2	4.339	4.335	0.004	5787097	1000.0	1151.4	
		Average of Peak Amounts =				993.4	
						RPD = 29.61	
8 PCB-1260							
1	6.568	6.572	-0.004	8531453	1000.0	1460.7	
1	6.826	6.829	-0.003	17747401	1000.0	1499.1	
1	7.198	7.203	-0.005	21483471	1000.0	1515.1	
1	8.094	8.098	-0.004	14808986	1000.0	1553.5	
1	8.523	8.525	-0.002	13942584	1000.0	1505.0	
1	8.838	8.840	-0.002	34609904	1000.0	1498.0	
1	9.218	9.219	-0.001	34559406	1000.0	1478.8	
1	9.747	9.746	0.001	10260273	1000.0	1453.4	
		Average of Peak Amounts =				1495.5	
2	5.328	5.324	0.004	19387297	1000.0	1123.0	
2	6.036	6.033	0.003	32224852	1000.0	1127.5	
2	6.203	6.199	0.004	15977450	1000.0	1033.5	
2	6.560	6.557	0.003	16441966	1000.0	988.6	
2	7.066	7.061	0.005	42136501	1000.0	1076.0	
2	7.573	7.569	0.004	20979792	1000.0	1117.1	
2	7.749	7.746	0.003	14751138	1000.0	1176.2	
2	8.627	8.625	0.002	11336493	1000.0	1154.4	
		Average of Peak Amounts =				1099.5	
						RPD = 30.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.213	10.210	0.003	29212428	100.0	138.5	
2	9.128	9.127	0.001	32688516	100.0	108.4	M
						RPD = 24.33	
S 12 Polychlorinated biphenyls, Total							
1						2834.1	
16 1260 Res 1							
2	7.749	7.784	-0.035	14751138		NR	
15 1260 Res 3							
2	8.017	7.972	0.045	49954		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

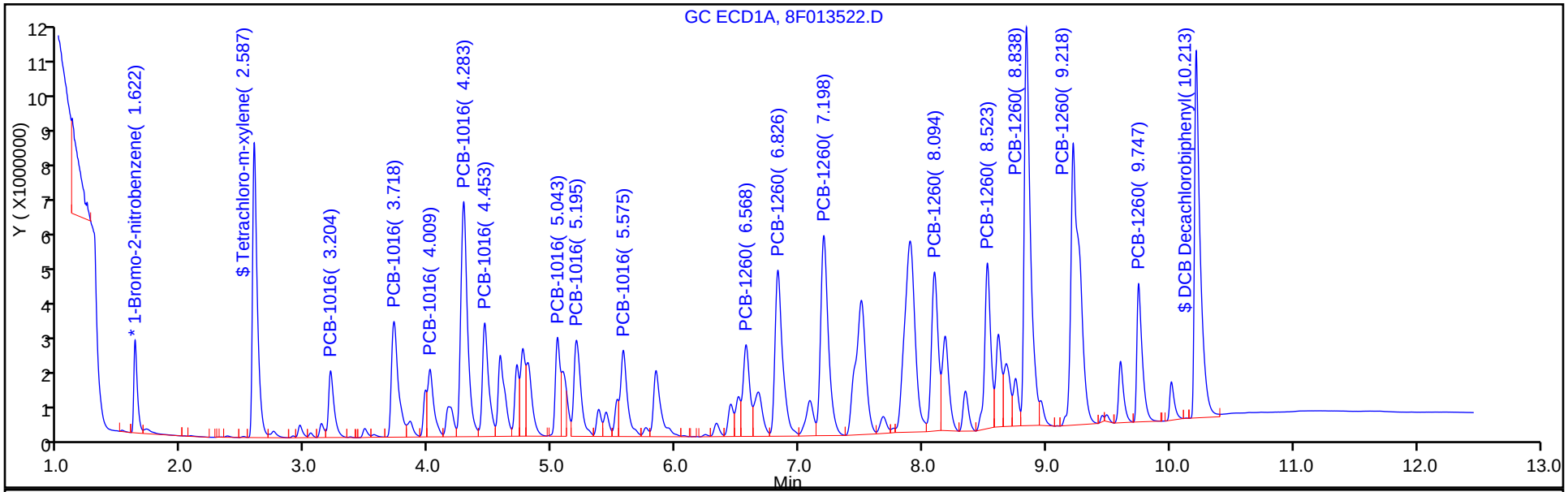
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

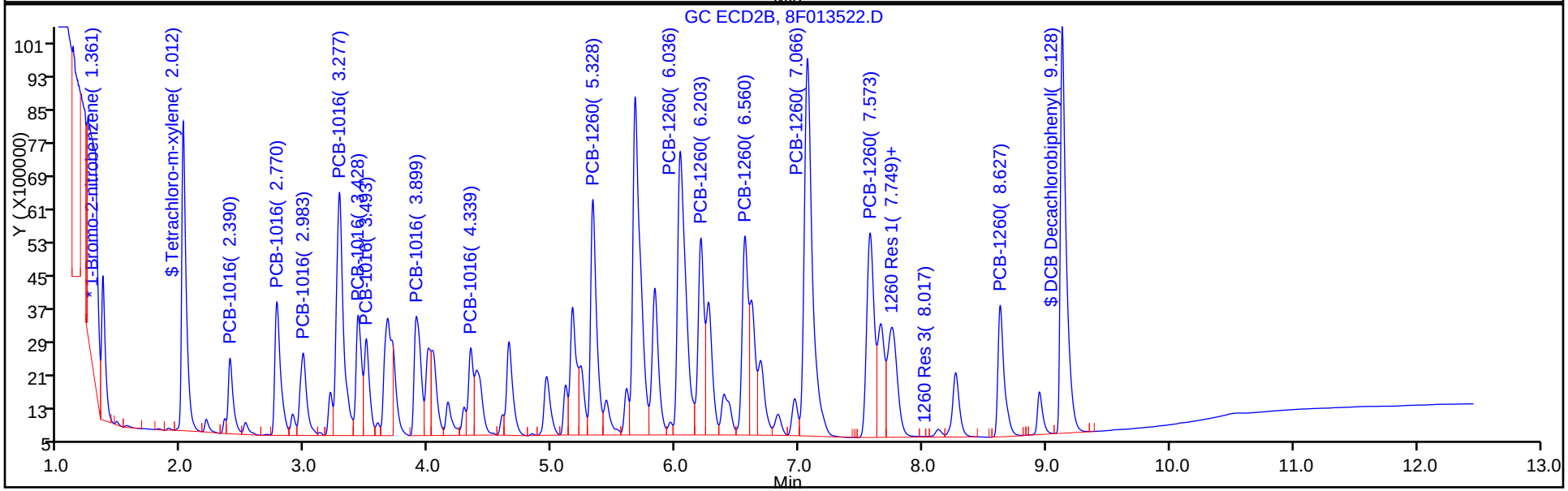
Report Date: 23-Aug-2016 14:53:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013522.D

Injection Date:	23-Aug-2016 08:46:52	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118778-K-10-A MS			Worklist Smp#:	7
Client ID:	OB-13-081616				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 23-Aug-2016 14:53:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013522.D

Injection Date: 23-Aug-2016 08:46:52 Instrument ID: CPESTGC8

Lims ID: 460-118778-K-10-A MS

Client ID: OB-13-081616

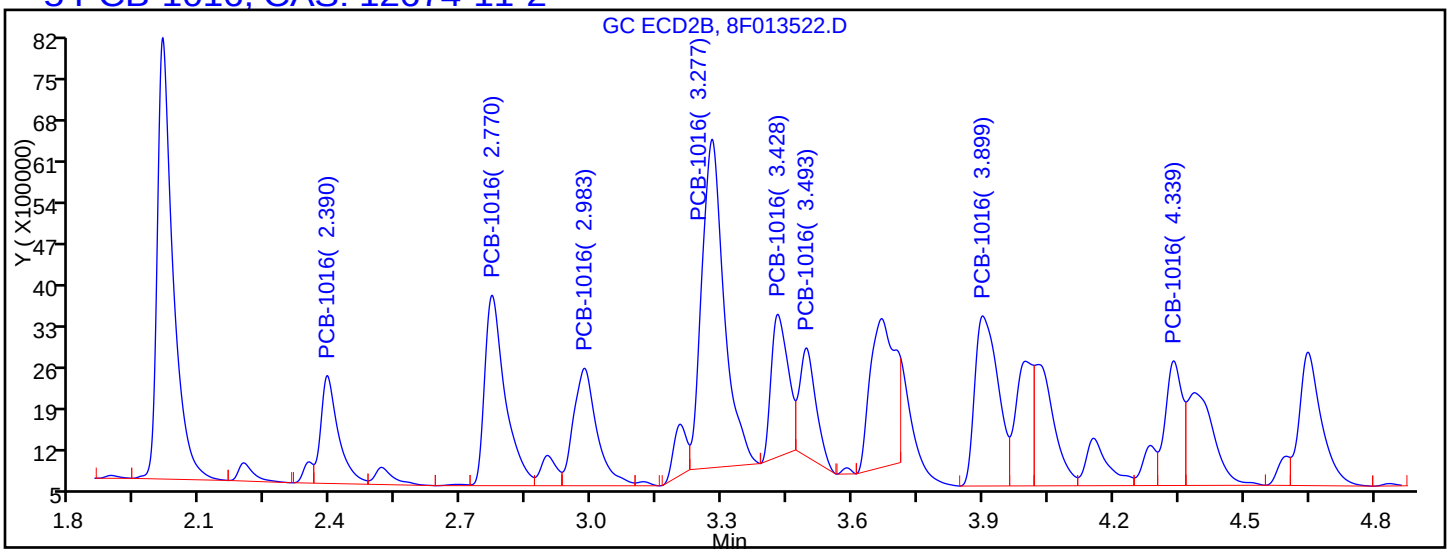
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

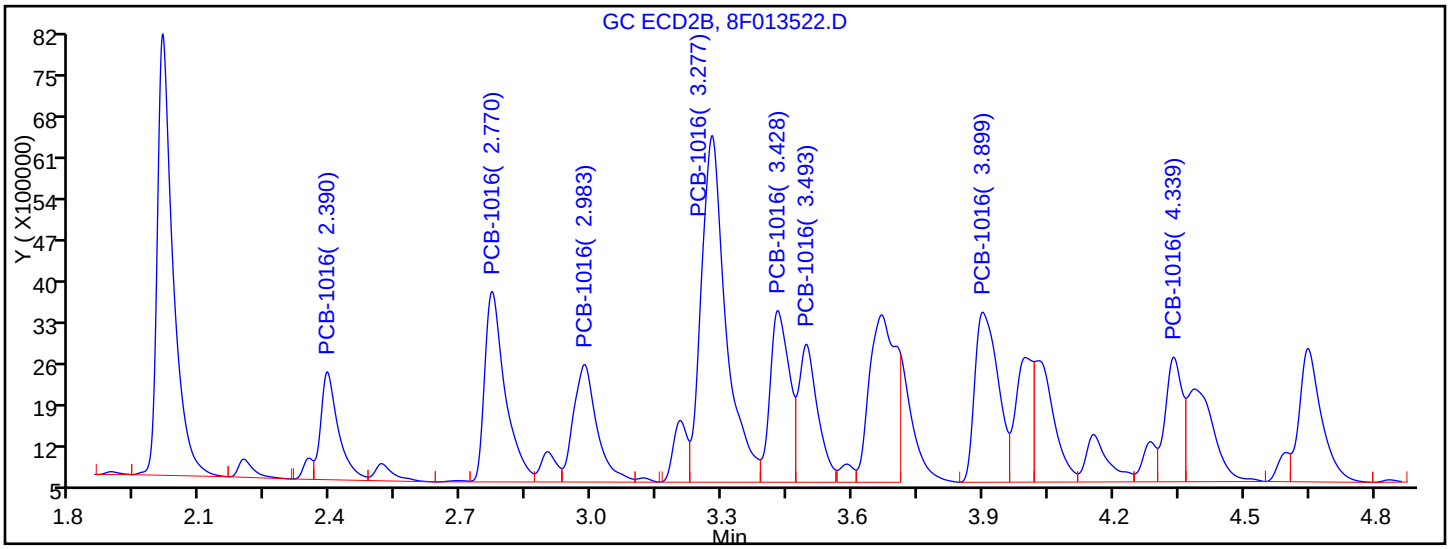
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.390	Response = 5164866	
RT = 2.770	Response = 10606435	
RT = 2.983	Response = 7502010	
RT = 3.277	Response = 20126457	M
RT = 3.428	Response = 6615333	M
RT = 3.493	Response = 4866555	M
RT = 3.899	Response = 10823007	
RT = 4.339	Response = 5787097	



Manual Integration Results

RT = 2.390	Response = 5164866	
RT = 2.770	Response = 10606435	
RT = 2.983	Response = 7502010	
RT = 3.277	Response = 23332652	M
RT = 3.428	Response = 9026574	M
RT = 3.493	Response = 7128413	M

Manual Integration/User Assign Peak Report

TestAmerica Edison

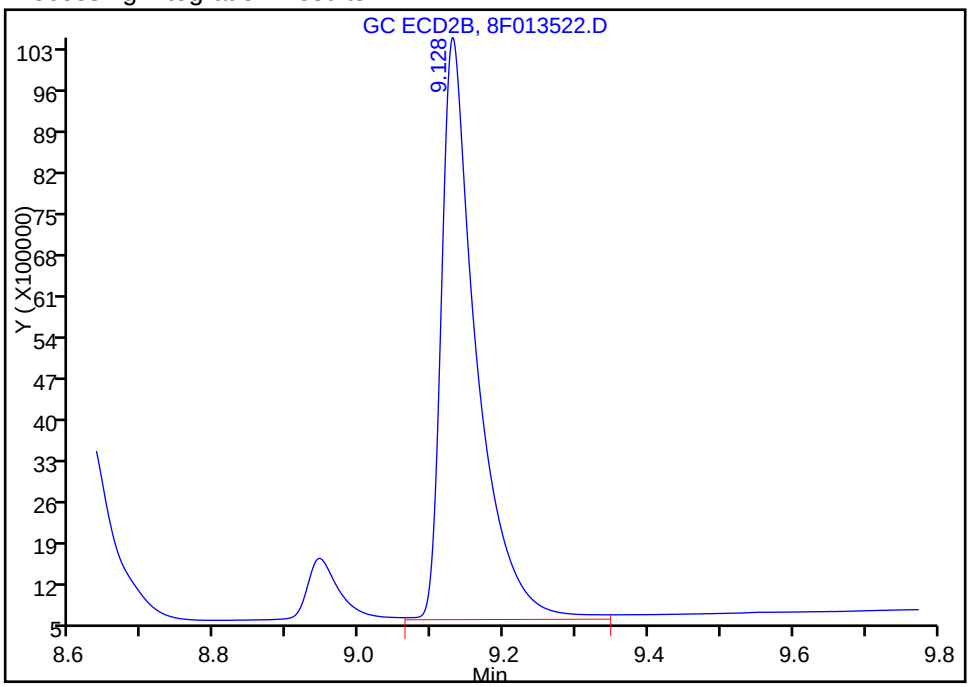
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013522.D				
Injection Date:	23-Aug-2016 08:46:52	Instrument ID:	CPESTGC8		
Lims ID:	460-118778-K-10-A MS				
Client ID:	OB-13-081616				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

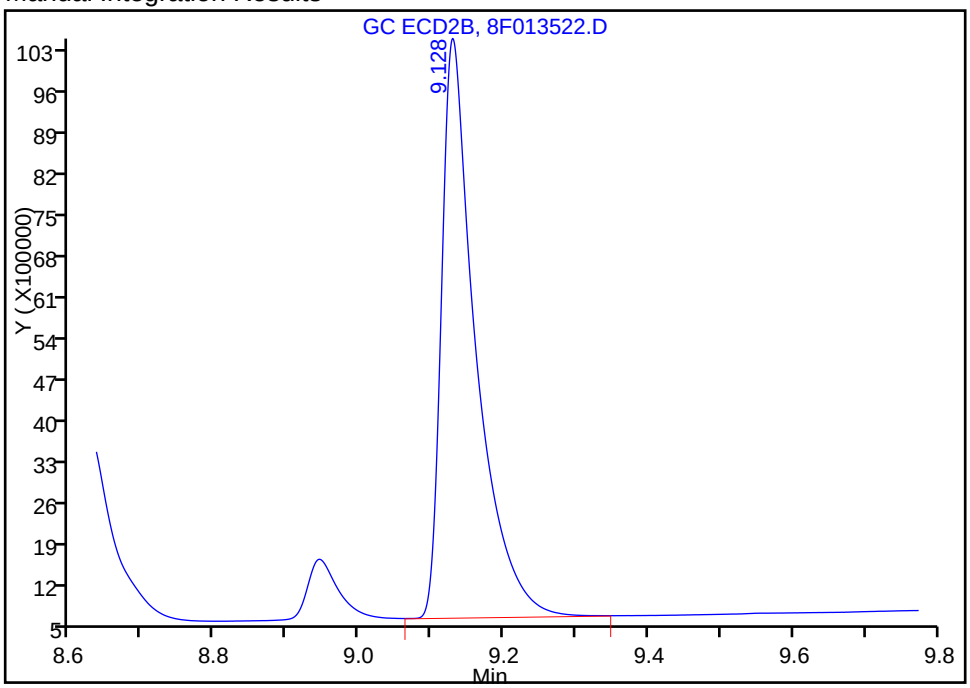
Processing Integration Results

RT: 9.13
Area: 33525244
Amount: 213.2321
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 32688516
Amount: 108.4434
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 10:36:18

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

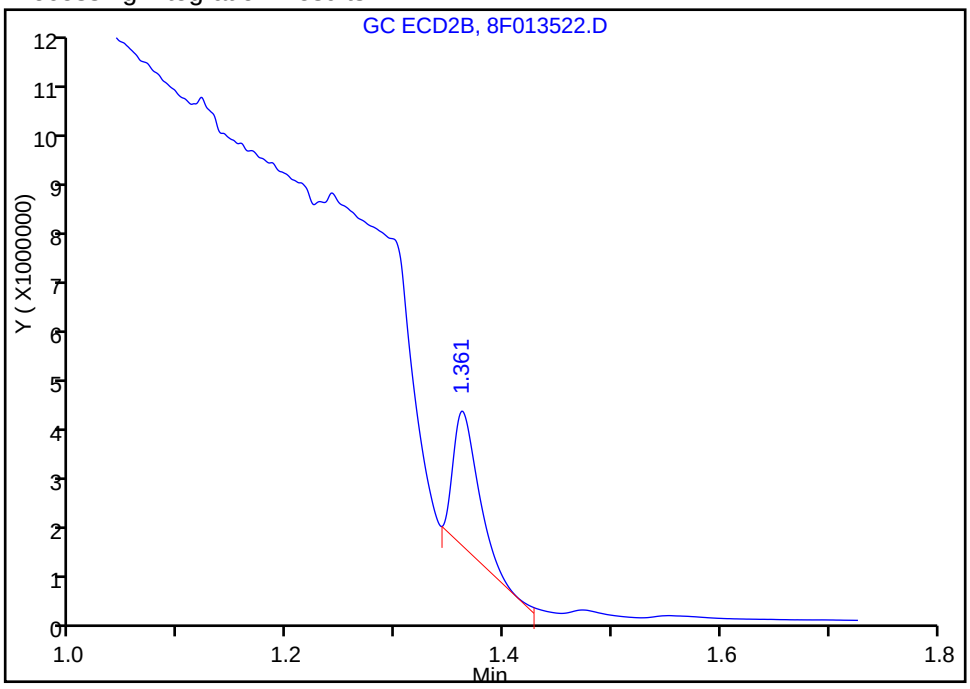
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013522.D				
Injection Date:	23-Aug-2016 08:46:52	Instrument ID:	CPESTGC8		
Lims ID:	460-118778-K-10-A MS				
Client ID:	OB-13-081616				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

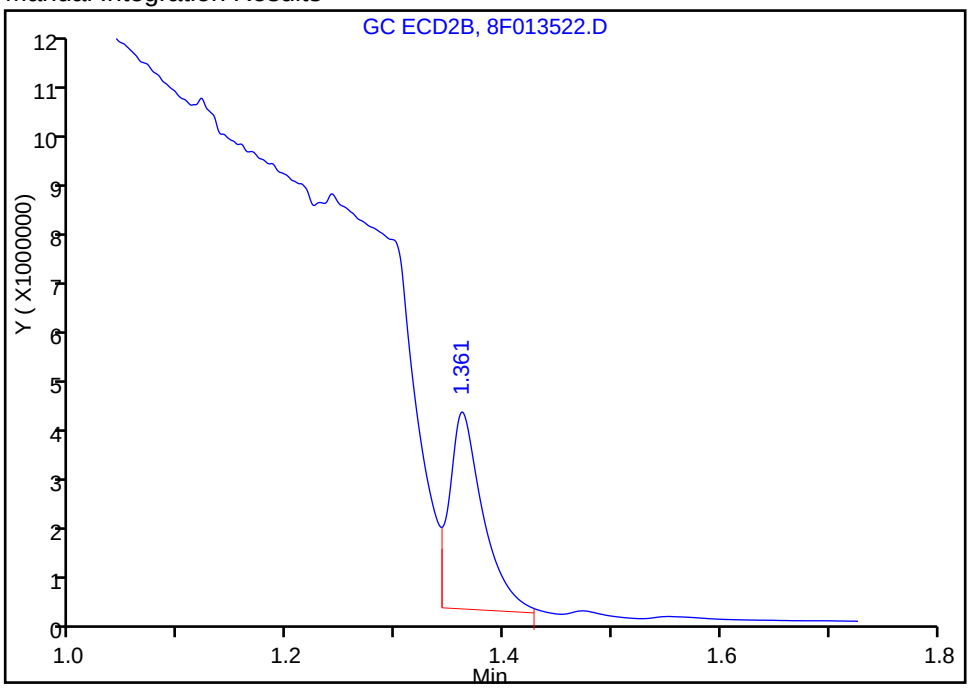
Processing Integration Results

RT: 1.36
Area: 3893780
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 7465246
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 10:36:18

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118952-E-5-A MS

Matrix: Solid | Lab File ID: 8F013542.D

Analysis Method: 8082A | Date Collected: 08/17/2016 14:20

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0073(g) | Date Analyzed: 08/23/2016 14:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 1.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	517		68	9.1
11104-28-2	*Aroclor 1221*	*68*	*U*	*68*	*9.1*
11141-16-5	*Aroclor 1232*	*68*	*U*	*68*	*9.1*
53469-21-9	*Aroclor 1242*	*68*	*U*	*68*	*9.1*
12672-29-6	*Aroclor 1248*	*68*	*U*	*68*	*9.1*
11097-69-1	*Aroclor 1254*	*68*	*U*	*68*	*9.4*
11096-82-5	*Aroclor 1260*	*483*		*68*	*9.4*
11100-14-4	*Aroclor 1268*	*68*	*U*	*68*	*9.4*
37324-23-5	*Aroclor-1262*	*68*	*U*	*68*	*9.4*
1336-36-3	*Polychlorinated biphenyls, Total*	*1000*		*68*	*9.4*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013542.D
Lims ID: 460-118952-E-5-A MS
Client ID: CFMW-053a-SO-10-12
Sample Type: MS
Inject. Date: 23-Aug-2016 14:31:01 ALS Bottle#: 27 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-027
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:47:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.624	1.625	-0.001	4929207	20.0	20.0	
2	1.363	1.358	0.005	5414550	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.588	2.593	-0.005	12327414	50.0	59.8	
2	2.012	2.007	0.005	11637145	50.0	54.7	
						RPD = 8.92	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5	PCB-1016						M
1	3.204	3.212	-0.008	5311842	500.0	1131.8	
1	3.720	3.725	-0.005	6616981	500.0	689.9	
1	4.012	4.017	-0.005	3379526	500.0	673.1	
1	4.284	4.290	-0.006	12605572	500.0	723.1	
1	4.454	4.460	-0.006	5795197	500.0	754.6	M
1	5.044	5.050	-0.006	3922912	500.0	719.5	M
1	5.198	5.203	-0.005	4771151	500.0	657.8	M
1	5.577	5.583	-0.006	4143878	500.0	736.6	M
		Average of Peak Amounts =				760.8	
2	2.391	2.386	0.005	3018509	500.0	680.2	
2	2.772	2.766	0.006	7103328	500.0	830.9	
2	2.984	2.978	0.006	4031674	500.0	699.7	
2	3.278	3.273	0.005	12608402	500.0	718.0	
2	3.429	3.424	0.005	4804093	500.0	731.8	
2	3.494	3.490	0.004	3560236	500.0	731.8	
2	3.901	3.898	0.003	5494793	500.0	758.7	
2	4.339	4.338	0.001	3048705	500.0	836.3	
		Average of Peak Amounts =				748.4	
						RPD = 1.64	
8	PCB-1260						M
1	6.571	6.579	-0.008	4331082	500.0	684.3	M
1	6.829	6.837	-0.008	9213367	500.0	718.2	M
1	7.202	7.210	-0.008	11075823	500.0	720.8	M
1	8.098	8.106	-0.008	7807874	500.0	755.9	M
1	8.528	8.533	-0.005	7175011	500.0	714.7	M
1	8.846	8.849	-0.003	17950288	500.0	717.0	M
1	9.228	9.228	0.000	17796599	500.0	702.8	
1	9.763	9.758	0.005	5154848	500.0	673.9	
		Average of Peak Amounts =				711.0	
2	5.329	5.328	0.001	9823282	500.0	784.5	
2	6.039	6.037	0.002	14275874	500.0	688.7	
2	6.205	6.203	0.002	7685264	500.0	685.4	
2	6.563	6.561	0.002	7936111	500.0	657.9	
2	7.069	7.067	0.002	21039535	500.0	740.7	
2	7.576	7.576	0.000	10070938	500.0	739.3	
2	7.753	7.753	0.000	7620335	500.0	837.8	
2	8.631	8.631	0.000	5700095	500.0	800.3	
		Average of Peak Amounts =				741.8	
						RPD = 4.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.235	10.227	0.008	14408576	50.0	63.0	
2	9.139	9.134	0.005	16272184	50.0	74.4	M
						RPD = 16.57	
S 12 Polychlorinated biphenyls, Total							
1						1471.7	
16 1260 Res 1							
2	7.753	7.784	-0.031	7620335		NR	
15 1260 Res 3							
2	7.989	7.972	0.016	49948		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

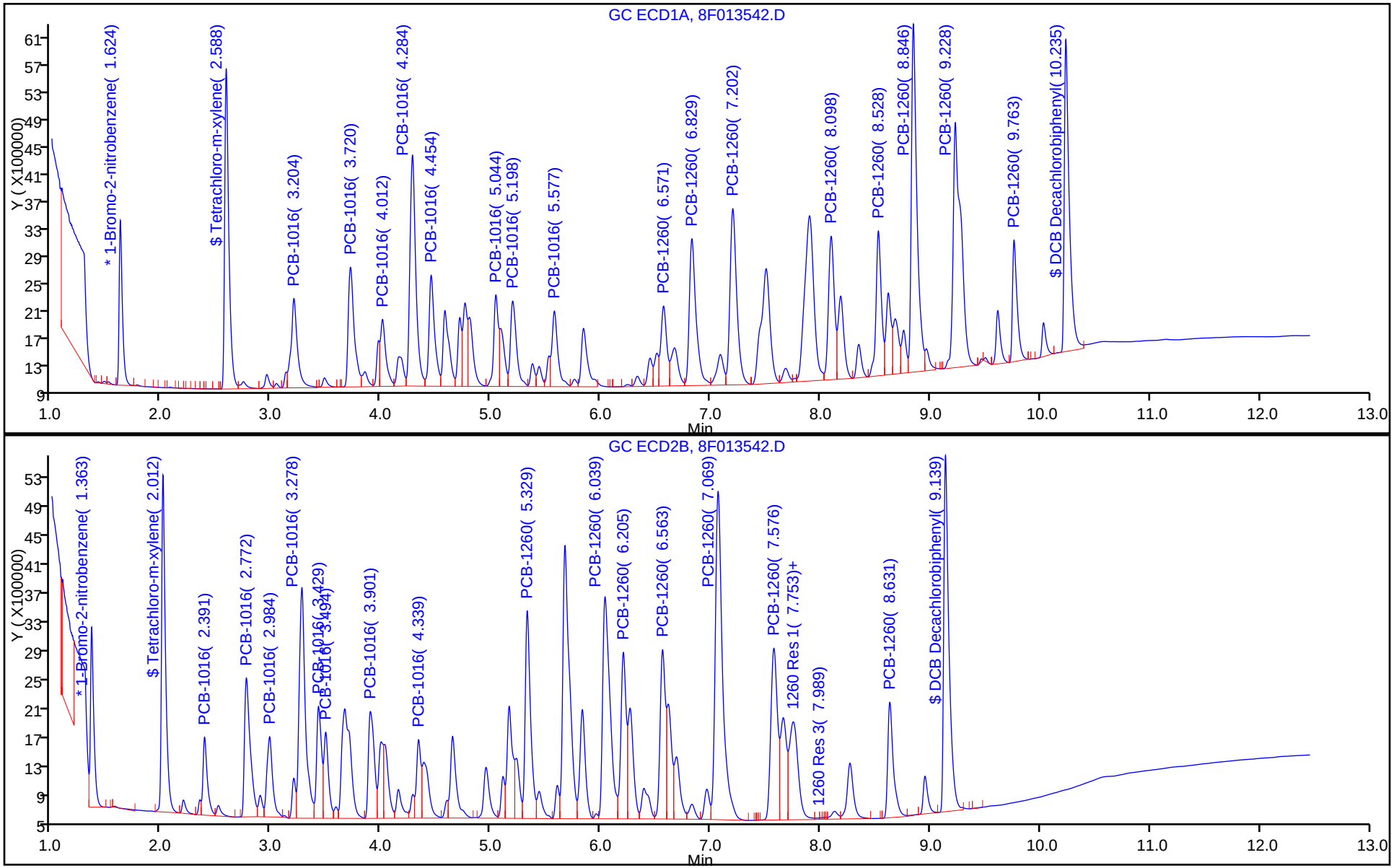
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:23:08 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013542.D

Injection Date:	23-Aug-2016 14:31:01	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118952-E-5-A MS			Worklist Smp#:	7
Client ID:	CFMW-053a-SO-10-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 24-Aug-2016 11:23:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013542.D

Injection Date: 23-Aug-2016 14:31:01 Instrument ID: CPESTGC8

Lims ID: 460-118952-E-5-A MS

Client ID: CFMW-053a-SO-10-12

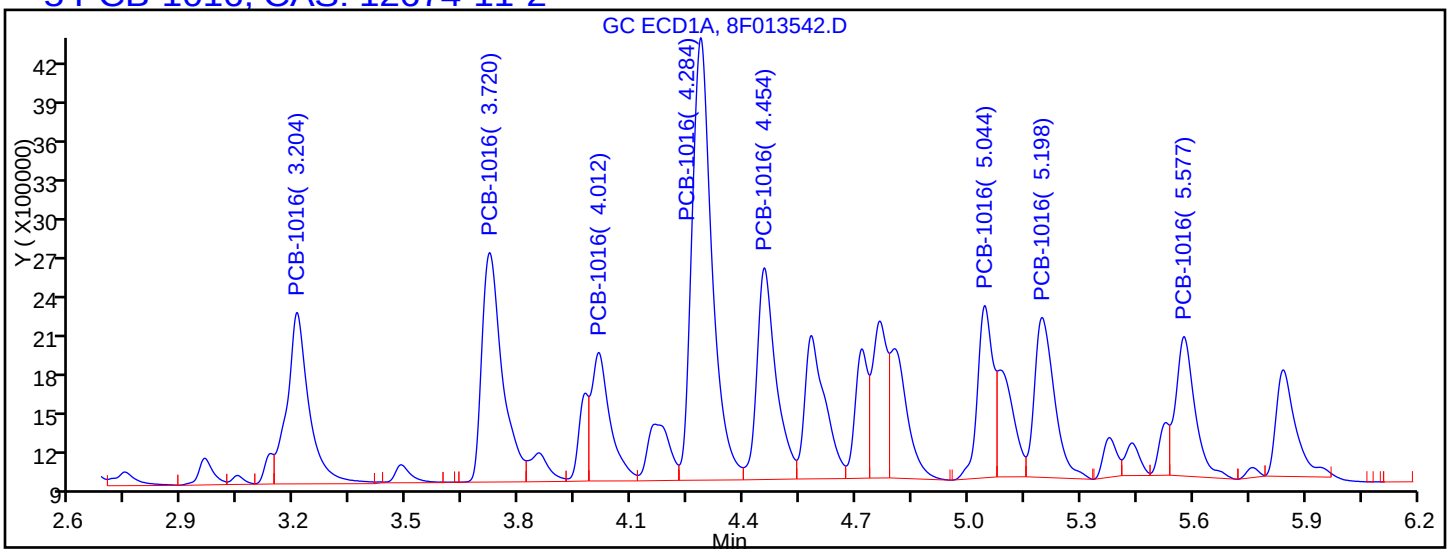
Operator ID: ALS Bottle#: 27 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

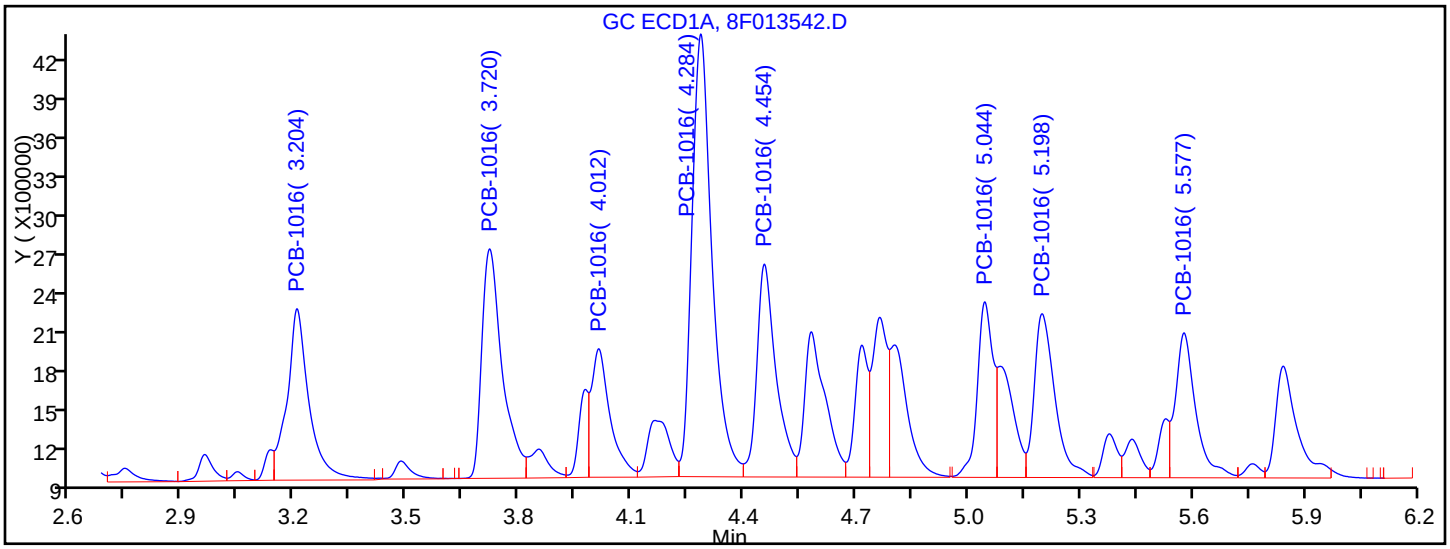
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.204	Response = 5311842	
RT = 3.720	Response = 6616981	
RT = 4.012	Response = 3379526	
RT = 4.284	Response = 12605572	
RT = 4.454	Response = 5711420	M
RT = 5.044	Response = 3782134	M
RT = 5.198	Response = 4509606	M
RT = 5.577	Response = 3787840	M



Manual Integration Results

RT = 3.204	Response = 5311842	
RT = 3.720	Response = 6616981	
RT = 4.012	Response = 3379526	
RT = 4.284	Response = 12605572	
RT = 4.454	Response = 5795197	M
RT = 5.044	Response = 3922912	M

Report Date: 24-Aug-2016 11:23:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013542.D

Injection Date: 23-Aug-2016 14:31:01 Instrument ID: CPESTGC8

Lims ID: 460-118952-E-5-A MS

Client ID: CFMW-053a-SO-10-12

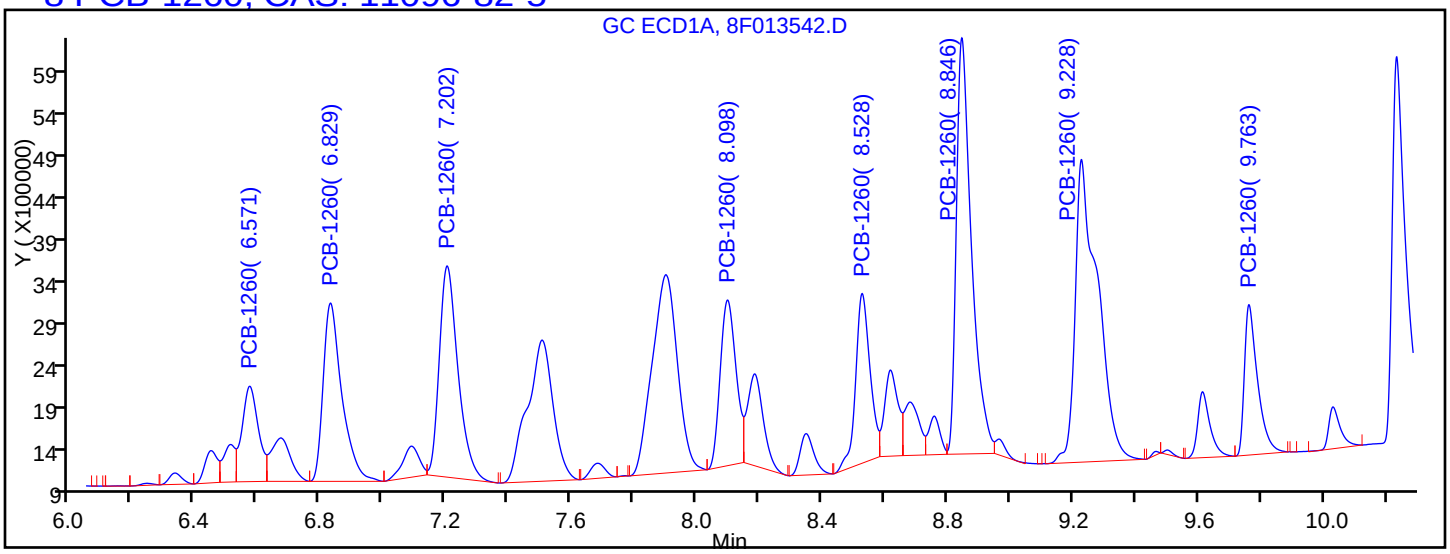
Operator ID: ALS Bottle#: 27 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

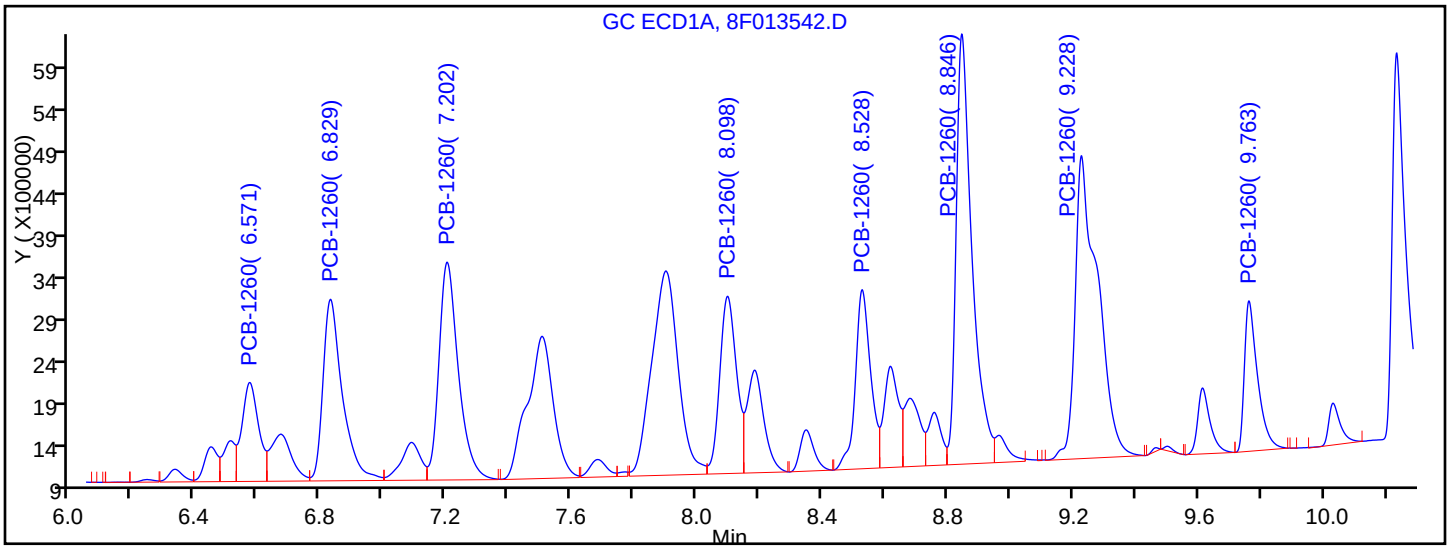
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.571	Response = 4088331	M
RT = 6.829	Response = 8697176	M
RT = 7.202	Response = 10325605	M
RT = 8.098	Response = 6883584	M
RT = 8.528	Response = 6402648	M
RT = 8.846	Response = 16488600	M
RT = 9.228	Response = 17796599	
RT = 9.763	Response = 5154848	



Manual Integration Results

RT = 6.571	Response = 4331082	M
RT = 6.829	Response = 9213367	M
RT = 7.202	Response = 11075823	M
RT = 8.098	Response = 7807874	M
RT = 8.528	Response = 7175011	M
RT = 8.846	Response = 17950288	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118952-E-5-A MS

Matrix: Solid | Lab File ID: 8F013542.D

Analysis Method: 8082A | Date Collected: 08/17/2016 14:20

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0073(g) | Date Analyzed: 08/23/2016 14:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 1.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*508*		*68*	*9.1*
11104-28-2	Aroclor 1221	68	U	68	9.1
11141-16-5	Aroclor 1232	68	U	68	9.1
53469-21-9	Aroclor 1242	68	U	68	9.1
12672-29-6	Aroclor 1248	68	U	68	9.1
11097-69-1	Aroclor 1254	68	U	68	9.4
11096-82-5	Aroclor 1260	504		68	9.4
11100-14-4	Aroclor 1268	68	U	68	9.4
37324-23-5	Aroclor-1262	68	U	68	9.4
1336-36-3	Polychlorinated biphenyls, Total	1010		68	9.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	149		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013542.D
Lims ID: 460-118952-E-5-A MS
Client ID: CFMW-053a-SO-10-12
Sample Type: MS
Inject. Date: 23-Aug-2016 14:31:01 ALS Bottle#: 27 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-027
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:47:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.624	1.625	-0.001	4929207	20.0	20.0	
2	1.363	1.358	0.005	5414550	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.588	2.593	-0.005	12327414	50.0	59.8	
2	2.012	2.007	0.005	11637145	50.0	54.7	
						RPD = 8.92	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.204	3.212	-0.008	5311842	500.0	1131.8	
1	3.720	3.725	-0.005	6616981	500.0	689.9	
1	4.012	4.017	-0.005	3379526	500.0	673.1	
1	4.284	4.290	-0.006	12605572	500.0	723.1	
1	4.454	4.460	-0.006	5795197	500.0	754.6	M
1	5.044	5.050	-0.006	3922912	500.0	719.5	M
1	5.198	5.203	-0.005	4771151	500.0	657.8	M
1	5.577	5.583	-0.006	4143878	500.0	736.6	M
		Average of Peak Amounts =				760.8	
2	2.391	2.386	0.005	3018509	500.0	680.2	
2	2.772	2.766	0.006	7103328	500.0	830.9	
2	2.984	2.978	0.006	4031674	500.0	699.7	
2	3.278	3.273	0.005	12608402	500.0	718.0	
2	3.429	3.424	0.005	4804093	500.0	731.8	
2	3.494	3.490	0.004	3560236	500.0	731.8	
2	3.901	3.898	0.003	5494793	500.0	758.7	
2	4.339	4.338	0.001	3048705	500.0	836.3	
		Average of Peak Amounts =				748.4	
						RPD = 1.64	
8 PCB-1260							M
1	6.571	6.579	-0.008	4331082	500.0	684.3	M
1	6.829	6.837	-0.008	9213367	500.0	718.2	M
1	7.202	7.210	-0.008	11075823	500.0	720.8	M
1	8.098	8.106	-0.008	7807874	500.0	755.9	M
1	8.528	8.533	-0.005	7175011	500.0	714.7	M
1	8.846	8.849	-0.003	17950288	500.0	717.0	M
1	9.228	9.228	0.000	17796599	500.0	702.8	
1	9.763	9.758	0.005	5154848	500.0	673.9	
		Average of Peak Amounts =				711.0	
2	5.329	5.328	0.001	9823282	500.0	784.5	
2	6.039	6.037	0.002	14275874	500.0	688.7	
2	6.205	6.203	0.002	7685264	500.0	685.4	
2	6.563	6.561	0.002	7936111	500.0	657.9	
2	7.069	7.067	0.002	21039535	500.0	740.7	
2	7.576	7.576	0.000	10070938	500.0	739.3	
2	7.753	7.753	0.000	7620335	500.0	837.8	
2	8.631	8.631	0.000	5700095	500.0	800.3	
		Average of Peak Amounts =				741.8	
						RPD = 4.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.235	10.227	0.008	14408576	50.0	63.0	
2	9.139	9.134	0.005	16272184	50.0	74.4	M
						RPD = 16.57	
S 12 Polychlorinated biphenyls, Total							
1						1471.7	
16 1260 Res 1							
2	7.753	7.784	-0.031	7620335		NR	
15 1260 Res 3							
2	7.989	7.972	0.016	49948		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

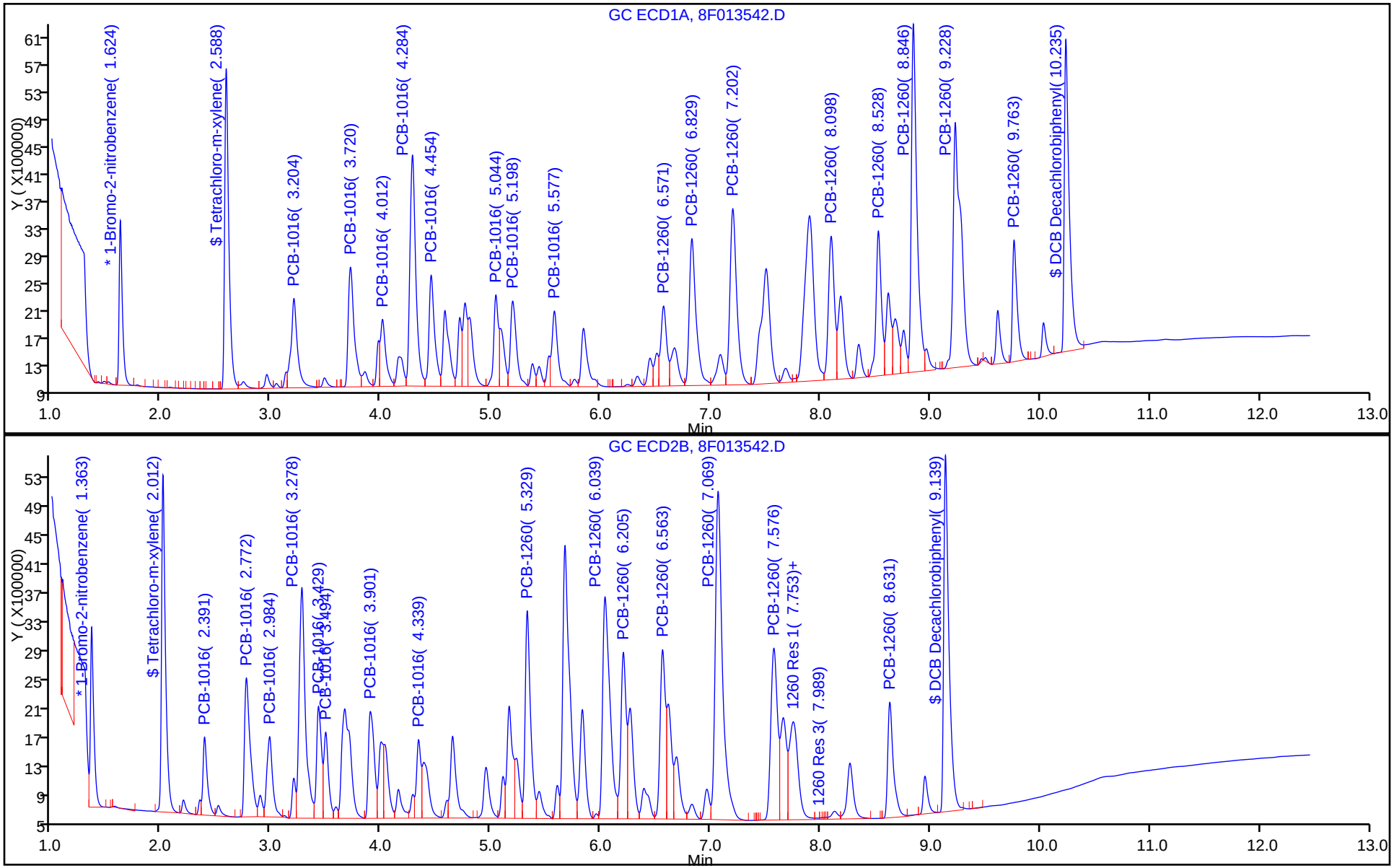
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:23:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013542.D

Injection Date:	23-Aug-2016 14:31:01	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118952-E-5-A MS			Worklist Smp#:	7
Client ID:	CFMW-053a-SO-10-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

TestAmerica Edison

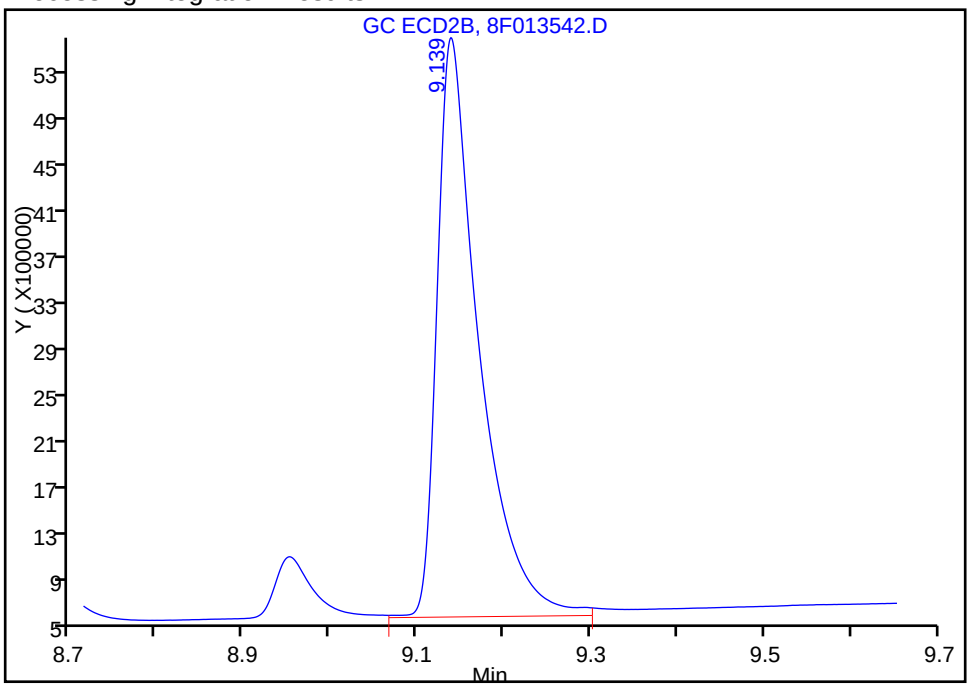
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013542.D				
Injection Date:	23-Aug-2016 14:31:01	Instrument ID:	CPESTGC8		
Lims ID:	460-118952-E-5-A MS				
Client ID:	CFMW-053a-SO-10-12				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

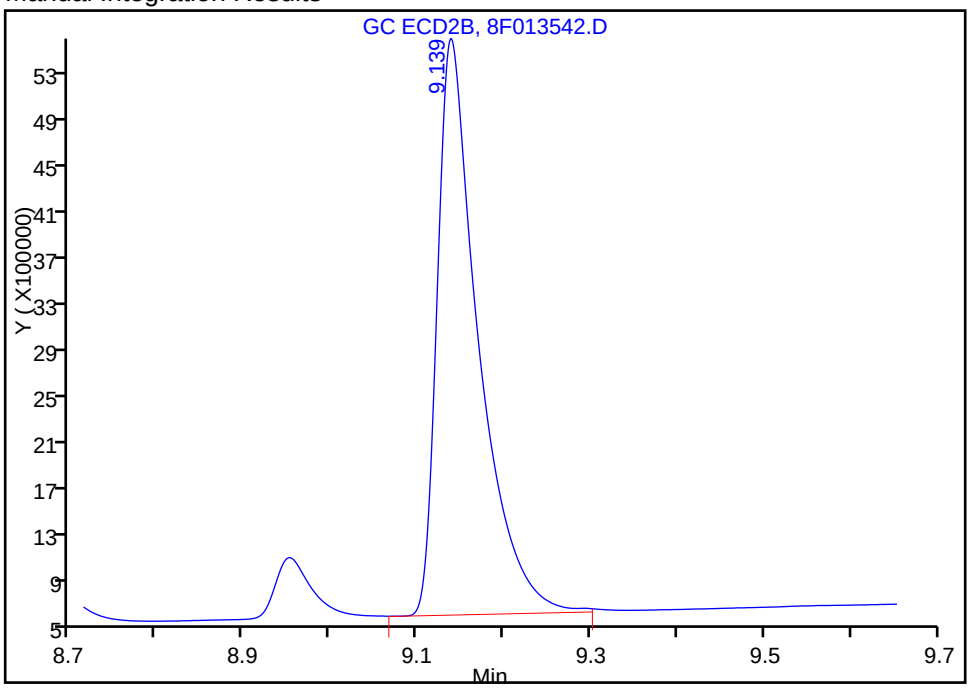
Processing Integration Results

RT: 9.14
Area: 16658249
Amount: 104.4643
Amount Units: ug/l



Manual Integration Results

RT: 9.14
Area: 16272184
Amount: 74.427873
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:47:50

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

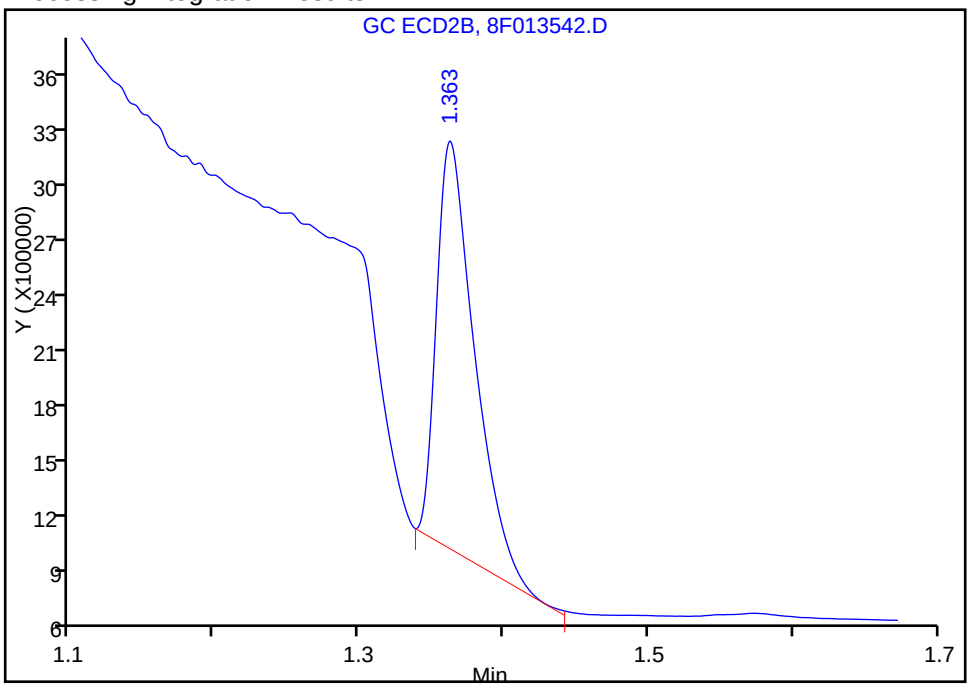
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013542.D				
Injection Date:	23-Aug-2016 14:31:01	Instrument ID:	CPESTGC8		
Lims ID:	460-118952-E-5-A MS				
Client ID:	CFMW-053a-SO-10-12				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

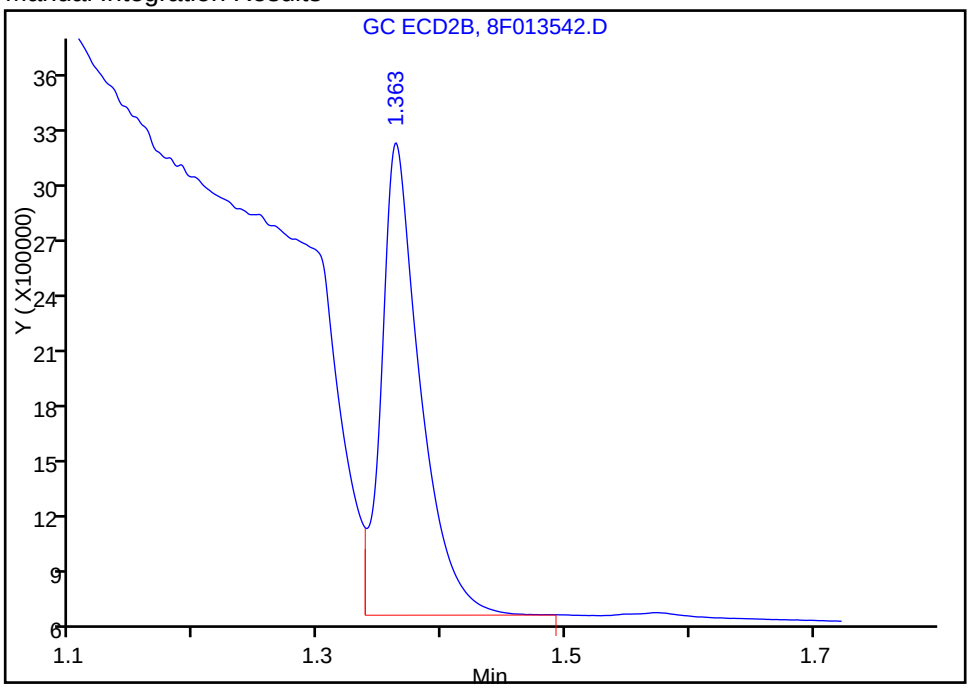
Processing Integration Results

RT: 1.36
Area: 3949239
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 5414550
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:47:50

Audit Action: Manually Integrated Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MSD | Lab Sample ID: 460-118857-5 MSD

Matrix: Solid | Lab File ID: T1332075.D

Analysis Method: 8082A | Date Collected: 08/18/2016 10:55

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0139(g) | Date Analyzed: 08/23/2016 15:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*377*		*70*	*9.4*
11104-28-2	*Aroclor 1221*	*70*	*U*	*70*	*9.4*
11141-16-5	*Aroclor 1232*	*70*	*U*	*70*	*9.4*
53469-21-9	*Aroclor 1242*	*70*	*U*	*70*	*9.4*
12672-29-6	*Aroclor 1248*	*70*	*U*	*70*	*9.4*
11097-69-1	*Aroclor 1254*	*70*	*U*	*70*	*9.7*
11096-82-5	*Aroclor 1260*	*379*		*70*	*9.7*
11100-14-4	*Aroclor 1268*	*70*	*U*	*70*	*9.7*
37324-23-5	*Aroclor-1262*	*70*	*U*	*70*	*9.7*
1336-36-3	*Polychlorinated biphenyls, Total*	*756*		*70*	*9.7*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	103		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332075.D
Lims ID: 460-118857-F-5-E MSD
Client ID: SB-8 (2-4) 08182016
Sample Type: MSD
Inject. Date: 23-Aug-2016 15:53:46 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-008
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:23:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.517	1.516	0.001	41245029	20.0	20.0	
2	1.347	1.347	0.000	42435874	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.401	2.401	0.000	89714517	50.0	49.4	
2	1.969	1.969	0.000	101928569	50.0	53.5	
						RPD = 8.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.968	2.968	0.000	19280964	500.0	568.7	
1	3.433	3.434	-0.001	34945077	500.0	523.9	
1	3.704	3.704	0.000	14892708	500.0	512.7	
1	3.952	3.952	0.000	71550749	500.0	525.6	
1	4.107	4.108	-0.001	30319411	500.0	528.3	
1	4.348	4.349	-0.001	16245988	500.0	550.7	
1	4.646	4.646	0.000	24624123	500.0	537.5	
1	4.784	4.785	-0.001	27736877	500.0	547.5	
		Average of Peak Amounts =				536.9	
2	2.325	2.325	0.000	20018336	500.0	568.6	
2	2.679	2.679	0.000	42312792	500.0	615.2	
2	2.879	2.880	-0.001	25646597	500.0	558.6	
2	3.153	3.154	-0.001	89123580	500.0	583.2	M
2	3.292	3.292	0.000	36395475	500.0	576.6	M
2	3.355	3.355	0.000	21625156	500.0	554.7	M
2	3.726	3.726	0.000	36367278	500.0	568.4	M
2	3.818	3.818	0.000	21980865	500.0	615.6	M
		Average of Peak Amounts =				580.1	
						RPD = 7.74	
8 PCB-1260							
1	5.949	5.951	-0.002	24278994	500.0	556.7	
1	6.161	6.163	-0.002	50042115	500.0	545.6	
1	6.469	6.471	-0.002	58004242	500.0	541.1	
1	7.165	7.169	-0.004	46618111	500.0	540.8	
1	7.667	7.670	-0.003	51129940	500.0	537.9	
1	8.159	8.160	-0.001	104870492	500.0	525.5	
1	8.883	8.889	-0.006	78865824	500.0	527.7	
1	9.937	9.939	-0.002	30044600	500.0	543.3	
		Average of Peak Amounts =				539.8	
2	5.042	5.042	0.000	54727824	500.0	594.4	
2	5.656	5.657	-0.001	95386665	500.0	599.7	
2	5.799	5.801	-0.002	55316618	500.0	570.4	
2	6.103	6.105	-0.002	56278255	500.0	571.6	
2	6.538	6.539	-0.001	133180556	500.0	610.2	
2	6.950	6.953	-0.003	63935585	500.0	569.0	
2	7.090	7.093	-0.003	38369268	500.0	599.0	
2	8.039	8.045	-0.006	37114865	500.0	588.7	
		Average of Peak Amounts =				587.9	
						RPD = 8.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.517	10.514	0.003	75752162	50.0	51.4	
2	8.980	8.983	-0.003	115510916	50.0	56.6	
						RPD = 9.65	
S 12 Polychlorinated biphenyls, Total							
1						1076.7	
16 1260 Res 1							
2	7.023	7.019	0.003	30504962		NR	
14 1260 Res 2							
2	7.090	7.093	-0.003	38369268		NR	
15 1260 Res 3							
2	7.243	7.160	0.083	194053		NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated

Reagents:

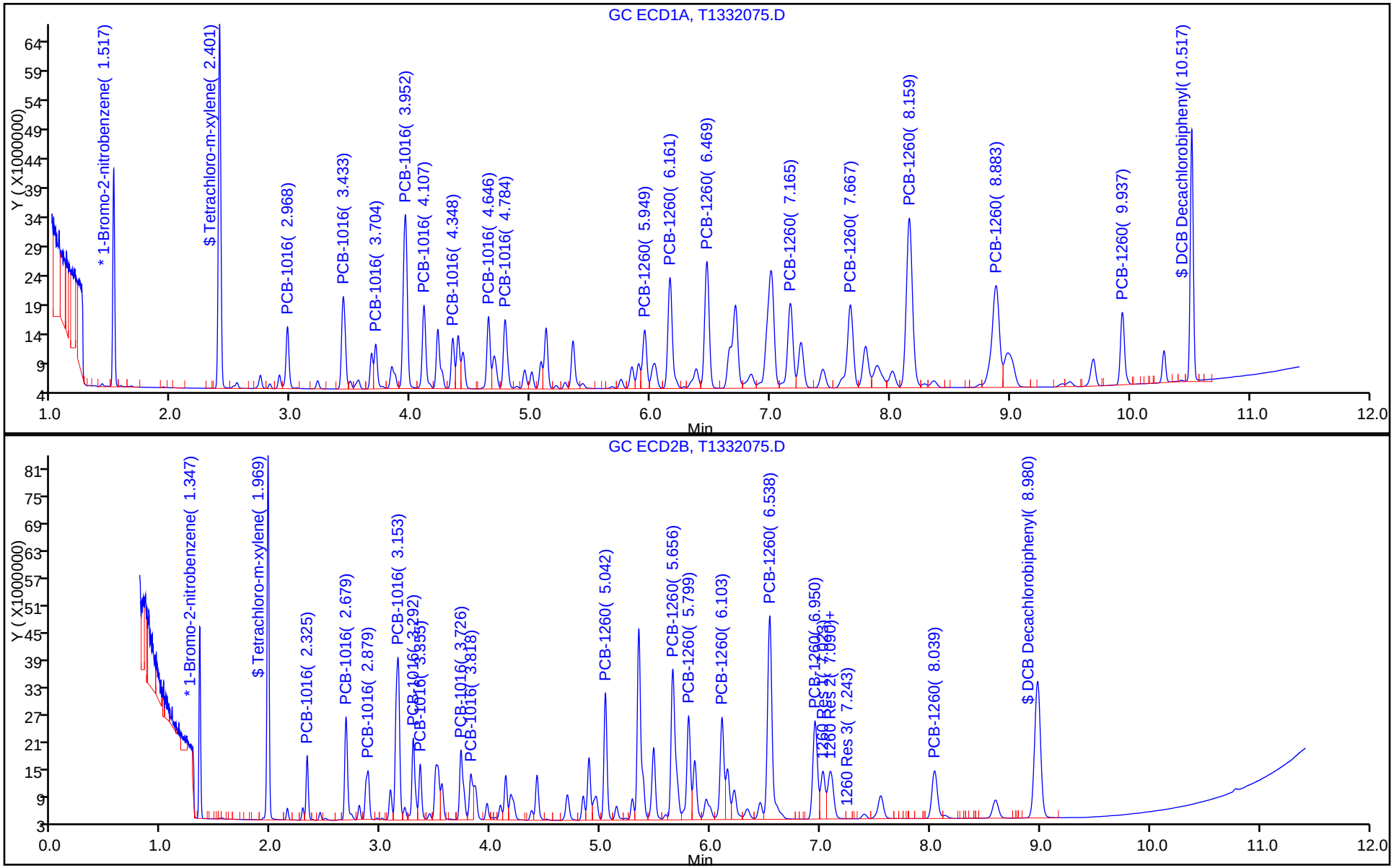
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332075.D

Injection Date:	23-Aug-2016 15:53:46	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-5-E MSD			Worklist Smp#:	8
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: SB-8 (2-4) 08182016 MSD | Lab Sample ID: 460-118857-5 MSD

Matrix: Solid | Lab File ID: T1332075.D

Analysis Method: 8082A | Date Collected: 08/18/2016 10:55

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:48

Sample wt/vol: 15.0139(g) | Date Analyzed: 08/23/2016 15:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386327 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	407		70	9.4
11104-28-2	Aroclor 1221	70	U	70	9.4
11141-16-5	Aroclor 1232	70	U	70	9.4
53469-21-9	Aroclor 1242	70	U	70	9.4
12672-29-6	Aroclor 1248	70	U	70	9.4
11097-69-1	Aroclor 1254	70	U	70	9.7
11096-82-5	Aroclor 1260	412		70	9.7
11100-14-4	Aroclor 1268	70	U	70	9.7
37324-23-5	Aroclor-1262	70	U	70	9.7
1336-36-3	Polychlorinated biphenyls, Total	819		70	9.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	113		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332075.D
Lims ID: 460-118857-F-5-E MSD
Client ID: SB-8 (2-4) 08182016
Sample Type: MSD
Inject. Date: 23-Aug-2016 15:53:46 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044766-008
Operator ID: Instrument ID: CPESTGC11

Method: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:36:50 Calib Date: 17-Jun-2016 19:43:54
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20160617-42300.b\T1329669.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 11:23:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.517	1.516	0.001	41245029	20.0	20.0	
2	1.347	1.347	0.000	42435874	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.401	2.401	0.000	89714517	50.0	49.4	
2	1.969	1.969	0.000	101928569	50.0	53.5	
						RPD = 8.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.968	2.968	0.000	19280964	500.0	568.7	
1	3.433	3.434	-0.001	34945077	500.0	523.9	
1	3.704	3.704	0.000	14892708	500.0	512.7	
1	3.952	3.952	0.000	71550749	500.0	525.6	
1	4.107	4.108	-0.001	30319411	500.0	528.3	
1	4.348	4.349	-0.001	16245988	500.0	550.7	
1	4.646	4.646	0.000	24624123	500.0	537.5	
1	4.784	4.785	-0.001	27736877	500.0	547.5	
		Average of Peak Amounts =				536.9	
2	2.325	2.325	0.000	20018336	500.0	568.6	
2	2.679	2.679	0.000	42312792	500.0	615.2	
2	2.879	2.880	-0.001	25646597	500.0	558.6	
2	3.153	3.154	-0.001	89123580	500.0	583.2	M
2	3.292	3.292	0.000	36395475	500.0	576.6	M
2	3.355	3.355	0.000	21625156	500.0	554.7	M
2	3.726	3.726	0.000	36367278	500.0	568.4	M
2	3.818	3.818	0.000	21980865	500.0	615.6	M
		Average of Peak Amounts =				580.1	
						RPD = 7.74	
8 PCB-1260							
1	5.949	5.951	-0.002	24278994	500.0	556.7	
1	6.161	6.163	-0.002	50042115	500.0	545.6	
1	6.469	6.471	-0.002	58004242	500.0	541.1	
1	7.165	7.169	-0.004	46618111	500.0	540.8	
1	7.667	7.670	-0.003	51129940	500.0	537.9	
1	8.159	8.160	-0.001	104870492	500.0	525.5	
1	8.883	8.889	-0.006	78865824	500.0	527.7	
1	9.937	9.939	-0.002	30044600	500.0	543.3	
		Average of Peak Amounts =				539.8	
2	5.042	5.042	0.000	54727824	500.0	594.4	
2	5.656	5.657	-0.001	95386665	500.0	599.7	
2	5.799	5.801	-0.002	55316618	500.0	570.4	
2	6.103	6.105	-0.002	56278255	500.0	571.6	
2	6.538	6.539	-0.001	133180556	500.0	610.2	
2	6.950	6.953	-0.003	63935585	500.0	569.0	
2	7.090	7.093	-0.003	38369268	500.0	599.0	
2	8.039	8.045	-0.006	37114865	500.0	588.7	
		Average of Peak Amounts =				587.9	
						RPD = 8.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.517	10.514	0.003	75752162	50.0	51.4	
2	8.980	8.983	-0.003	115510916	50.0	56.6	
						RPD = 9.65	
S 12 Polychlorinated biphenyls, Total							
1						1076.7	
16 1260 Res 1							
2	7.023	7.019	0.003	30504962		NR	
14 1260 Res 2							
2	7.090	7.093	-0.003	38369268		NR	
15 1260 Res 3							
2	7.243	7.160	0.083	194053		NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated

Reagents:

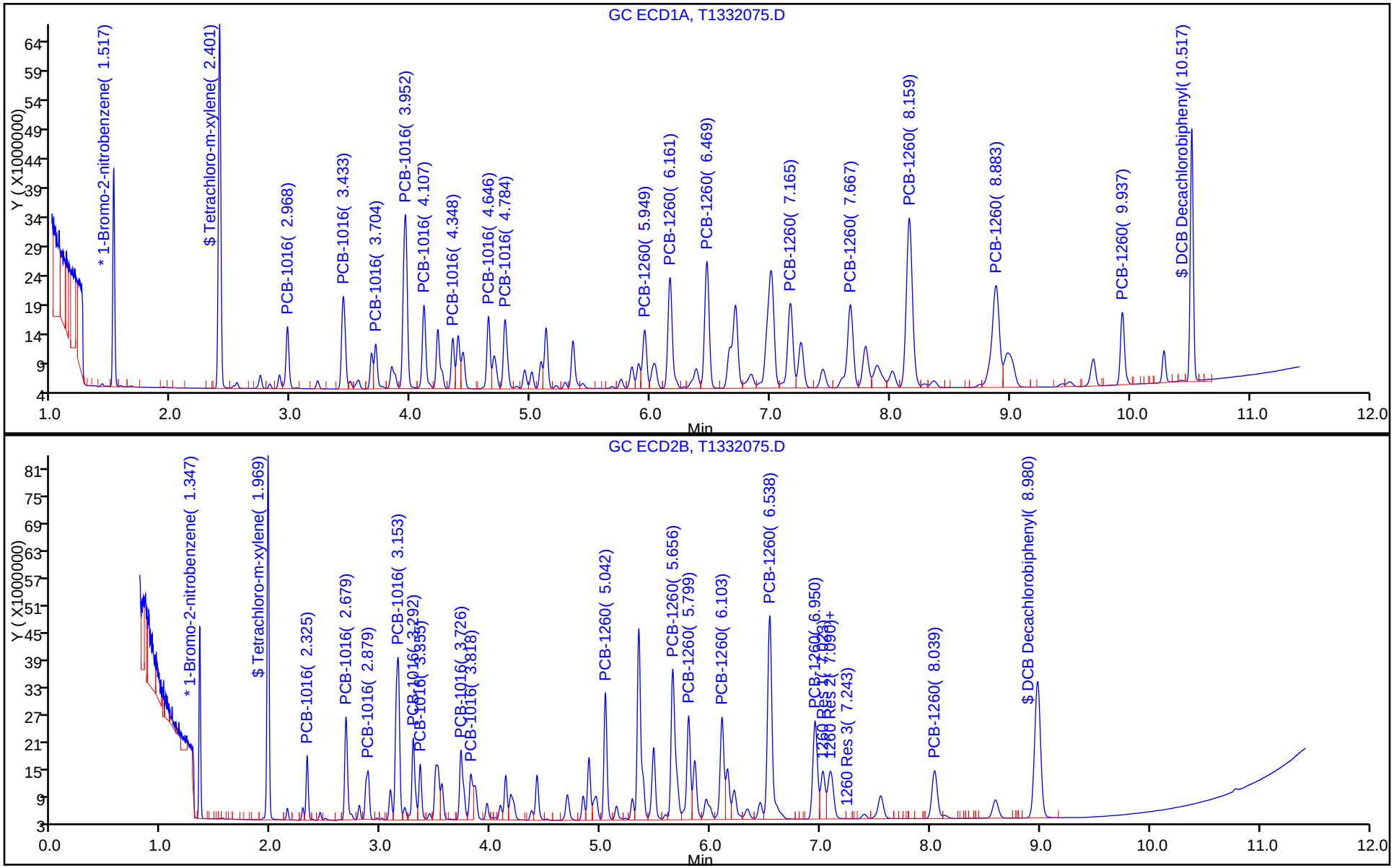
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:37:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332075.D

Injection Date:	23-Aug-2016 15:53:46	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-118857-F-5-E MSD			Worklist Smp#:	8
Client ID:	SB-8 (2-4) 08182016				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 24-Aug-2016 11:37:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20160823-44766.b\T1332075.D

Injection Date: 23-Aug-2016 15:53:46 Instrument ID: CPESTGC11

Lims ID: 460-118857-F-5-E MSD

Client ID: SB-8 (2-4) 08182016

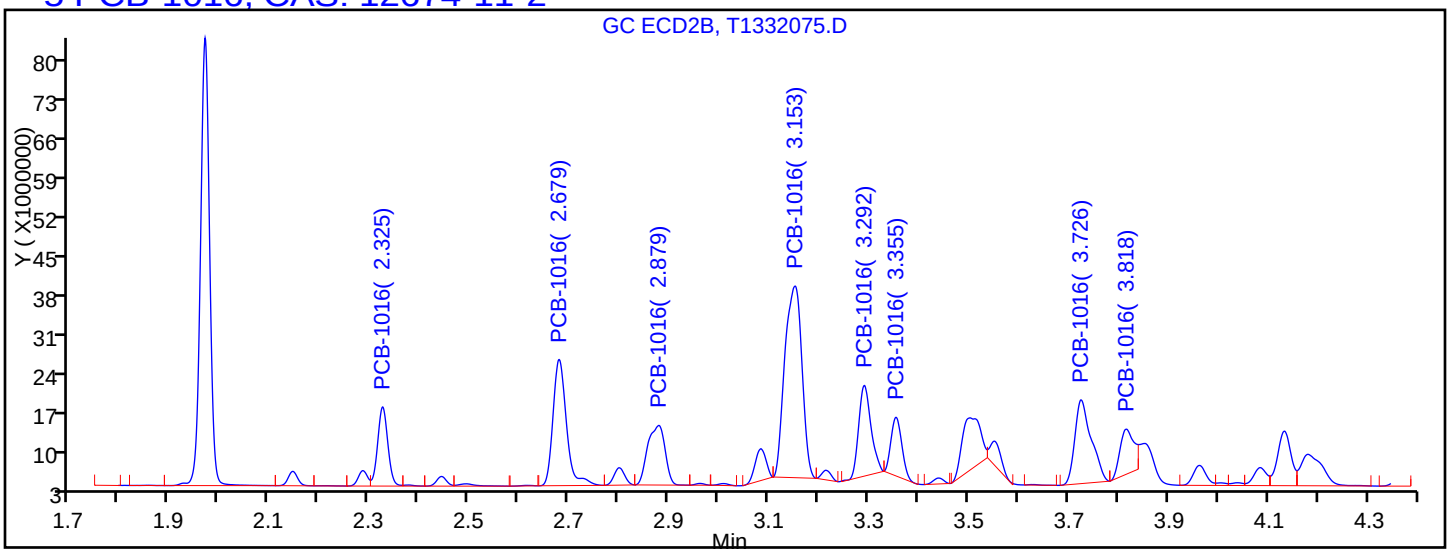
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

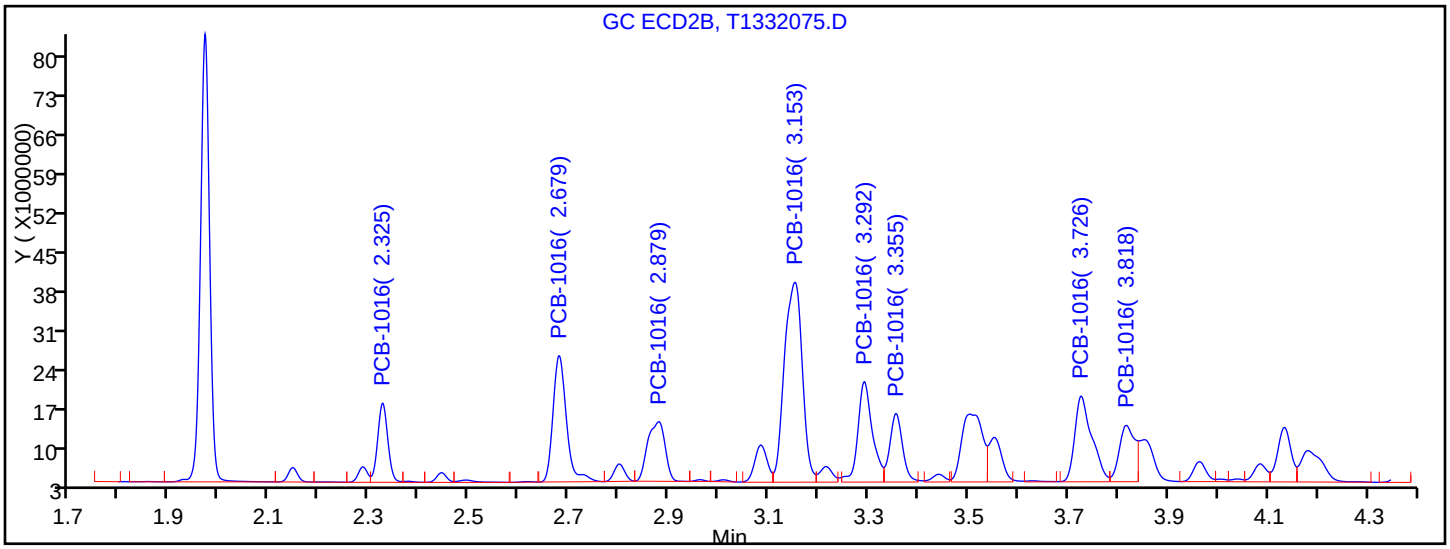
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.325	Response = 20018336	
RT = 2.679	Response = 42312792	
RT = 2.879	Response = 25646597	
RT = 3.153	Response = 81486816	M
RT = 3.292	Response = 27910521	M
RT = 3.355	Response = 15878955	M
RT = 3.726	Response = 33988426	M
RT = 3.818	Response = 15738096	M



Manual Integration Results

RT = 2.325	Response = 20018336	
RT = 2.679	Response = 42312792	
RT = 2.879	Response = 25646597	
RT = 3.153	Response = 89123580	M
RT = 3.292	Response = 36395475	M
RT = 3.355	Response = 21625156	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118778-J-10-C MSD

Matrix: Water | Lab File ID: 8F013523.D

Analysis Method: 8082A | Date Collected: 08/16/2016 14:00

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 09:02

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	5.88		0.40	0.098
11104-28-2	*Aroclor 1221*	*0.40*	*U*	*0.40*	*0.098*
11141-16-5	*Aroclor 1232*	*0.40*	*U*	*0.40*	*0.098*
53469-21-9	*Aroclor 1242*	*0.40*	*U*	*0.40*	*0.098*
12672-29-6	*Aroclor 1248*	*0.40*	*U*	*0.40*	*0.098*
11097-69-1	*Aroclor 1254*	*0.40*	*U*	*0.40*	*0.084*
11096-82-5	Aroclor 1260	6.95		0.40	0.084
11100-14-4	*Aroclor 1268*	*0.40*	*U*	*0.40*	*0.084*
37324-23-5	*Aroclor-1262*	*0.40*	*U*	*0.40*	*0.084*
1336-36-3	Polychlorinated biphenyls, Total	12.8		0.40	0.098

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	158	*	10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013523.D
Lims ID: 460-118778-J-10-C MSD
Client ID: OB-13-081616
Sample Type: MSD
Inject. Date: 23-Aug-2016 09:02:45 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-008
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 10:35:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.624	1.622	0.002	4043667	20.0	20.0	M
2	1.357	1.357	0.000	6988720	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.588	2.588	0.000	18823325	100.0	111.3	
2	2.014	2.006	0.008	17164512	100.0	62.5	
						RPD = 56.16	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	3.206	3.206	0.000	4760657	1000.0	1236.5	
1	3.719	3.720	-0.001	10718610	1000.0	1362.3	
1	4.011	4.013	-0.002	5592698	1000.0	1357.8	
1	4.284	4.285	-0.001	22072032	1000.0	1543.4	
1	4.454	4.455	-0.001	9809629	1000.0	1557.0	
1	5.043	5.044	-0.001	6740394	1000.0	1506.9	
1	5.196	5.198	-0.002	9062007	1000.0	1523.1	
1	5.575	5.578	-0.003	7759619	1000.0	1681.3	
		Average of Peak Amounts =				1471.0	
2	2.392	2.384	0.008	4477064	1000.0	781.6	
2	2.771	2.764	0.007	10071869	1000.0	912.7	
2	2.984	2.977	0.007	6856123	1000.0	921.9	
2	3.278	3.272	0.006	23115541	1000.0	1019.8	
2	3.429	3.423	0.006	8884813	1000.0	1048.6	
2	3.494	3.489	0.005	7092231	1000.0	1129.5	
2	3.901	3.895	0.006	10753929	1000.0	1150.5	
2	4.341	4.335	0.006	5767703	1000.0	1225.8	
		Average of Peak Amounts =				1023.8	
						RPD = 35.85	
8 PCB-1260							M
1	6.569	6.572	-0.003	8516626	1000.0	1640.4	
1	6.827	6.829	-0.002	17592080	1000.0	1671.7	
1	7.199	7.203	-0.004	21210343	1000.0	1682.7	
1	8.095	8.098	-0.003	15368947	1000.0	1813.6	M
1	8.521	8.525	-0.004	14618668	1000.0	1775.2	M
1	8.835	8.840	-0.005	38163111	1000.0	1858.2	M
1	9.211	9.219	-0.008	36196705	1000.0	1742.4	
1	9.737	9.746	-0.009	10734226	1000.0	1710.5	
		Average of Peak Amounts =				1736.8	
2	5.329	5.324	0.005	19646252	1000.0	1215.6	
2	6.037	6.033	0.004	31887678	1000.0	1191.8	
2	6.204	6.199	0.005	15876155	1000.0	1096.9	
2	6.562	6.557	0.005	16615166	1000.0	1067.1	
2	7.067	7.061	0.006	43436057	1000.0	1184.8	
2	7.574	7.569	0.005	21629102	1000.0	1230.2	
2	7.751	7.746	0.005	15329248	1000.0	1305.7	
2	8.624	8.625	-0.001	11666361	1000.0	1269.0	
		Average of Peak Amounts =				1195.1	
						RPD = 36.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.199	10.210	-0.011	29684641	100.0	158.3	
2	9.124	9.127	-0.003	33519237	100.0	118.8	
						RPD = 28.53	
S 12 Polychlorinated biphenyls, Total							
1						3207.9	
16 1260 Res 1							
2	7.751	7.784	-0.033	15329248		NR	
15 1260 Res 3							
2	8.002	7.972	0.030	13867		NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated

Reagents:

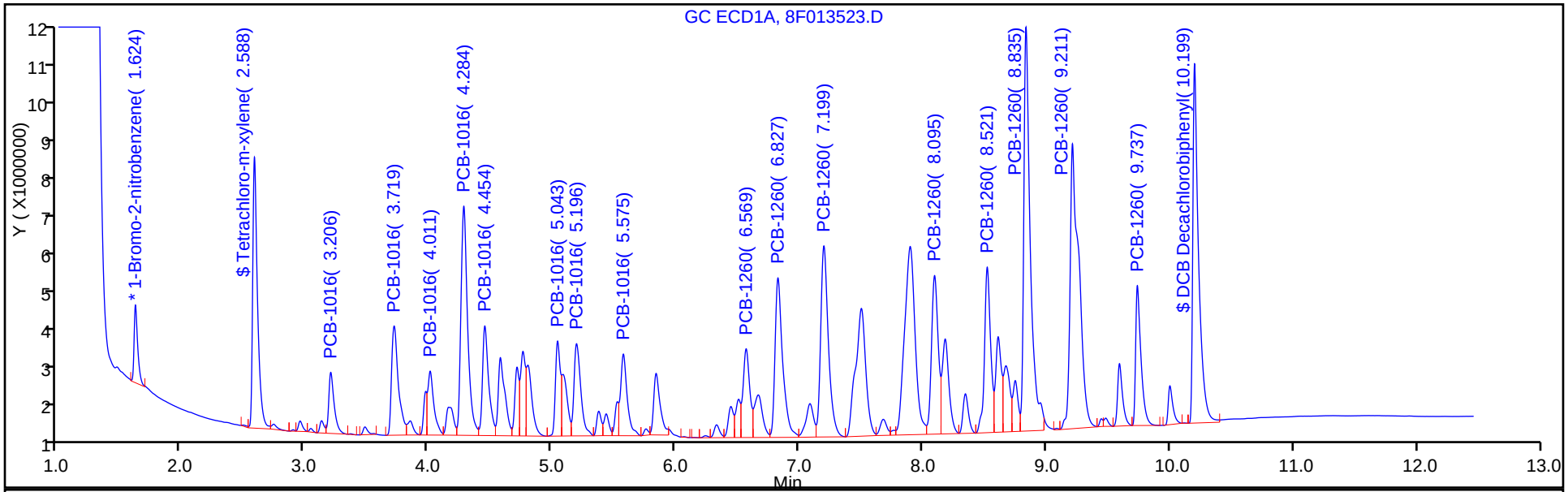
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

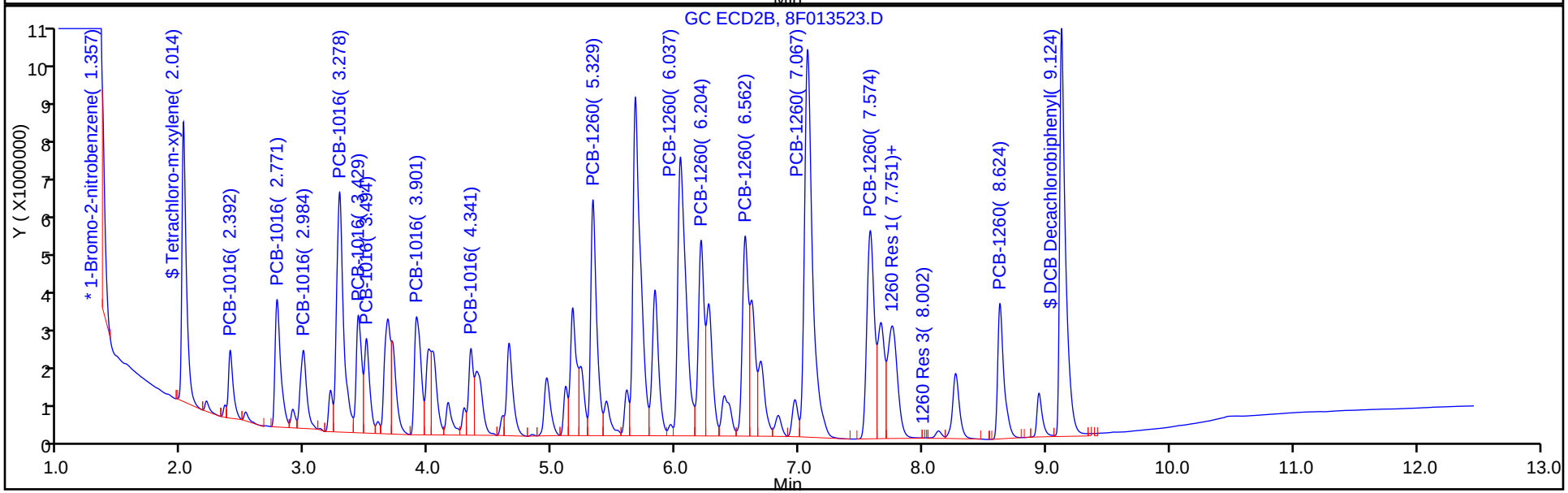
Report Date: 23-Aug-2016 14:53:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013523.D

Injection Date:	23-Aug-2016 09:02:45	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118778-J-10-C MSD			Worklist Smp#:	8
Client ID:	OB-13-081616				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Report Date: 23-Aug-2016 14:53:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013523.D

Injection Date: 23-Aug-2016 09:02:45 Instrument ID: CPESTGC8

Lims ID: 460-118778-J-10-C MSD

Client ID: OB-13-081616

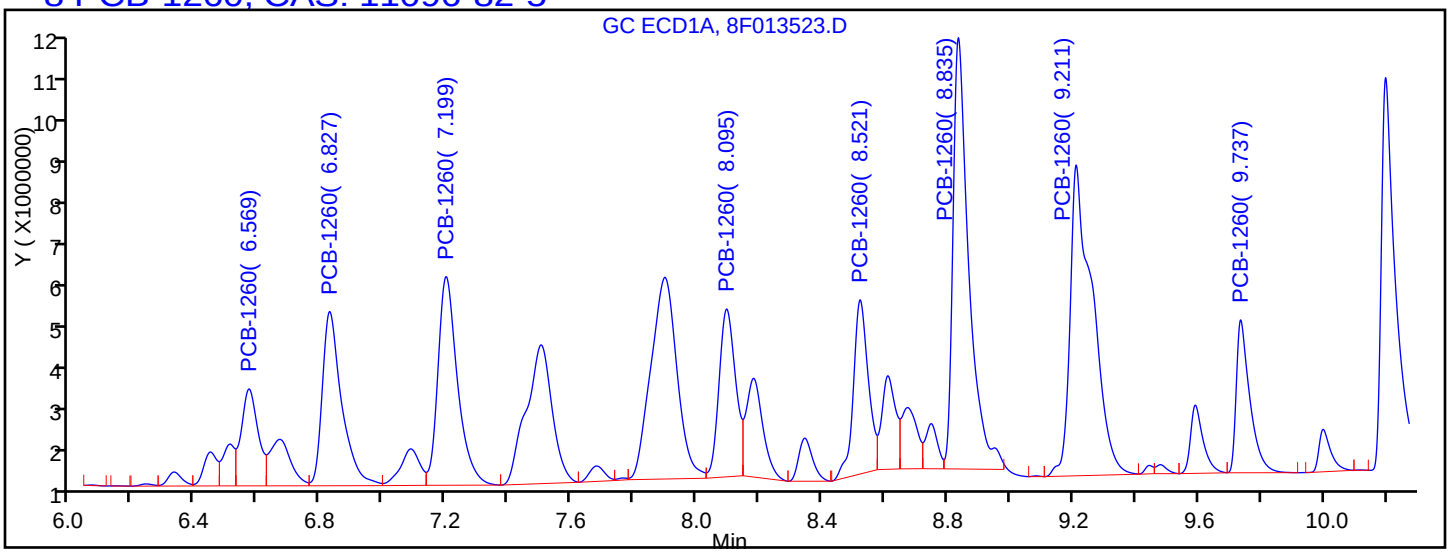
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

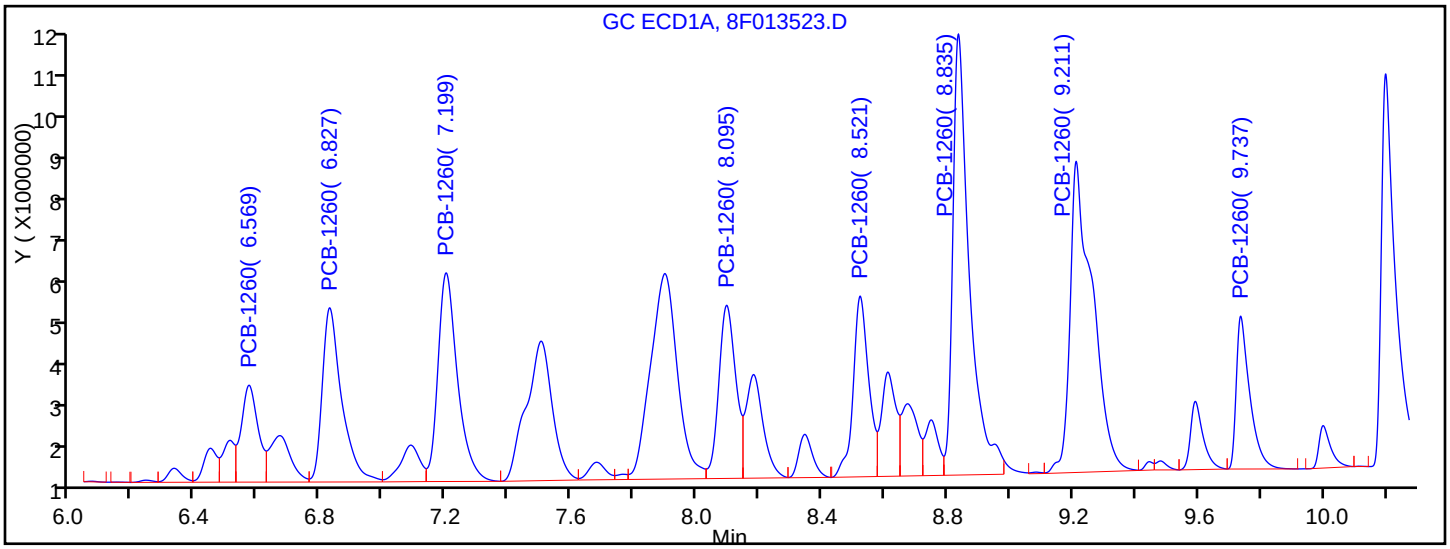
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.569	Response = 8516626	
RT = 6.827	Response = 17592080	
RT = 7.199	Response = 21210343	
RT = 8.095	Response = 14509870	M
RT = 8.521	Response = 13550053	M
RT = 8.835	Response = 35645985	M
RT = 9.211	Response = 36196705	
RT = 9.737	Response = 10734226	



Manual Integration Results

RT = 6.569	Response = 8516626	
RT = 6.827	Response = 17592080	
RT = 7.199	Response = 21210343	
RT = 8.095	Response = 15368947	M
RT = 8.521	Response = 14618668	M
RT = 8.835	Response = 38163111	M

Manual Integration/User Assign Peak Report

TestAmerica Edison

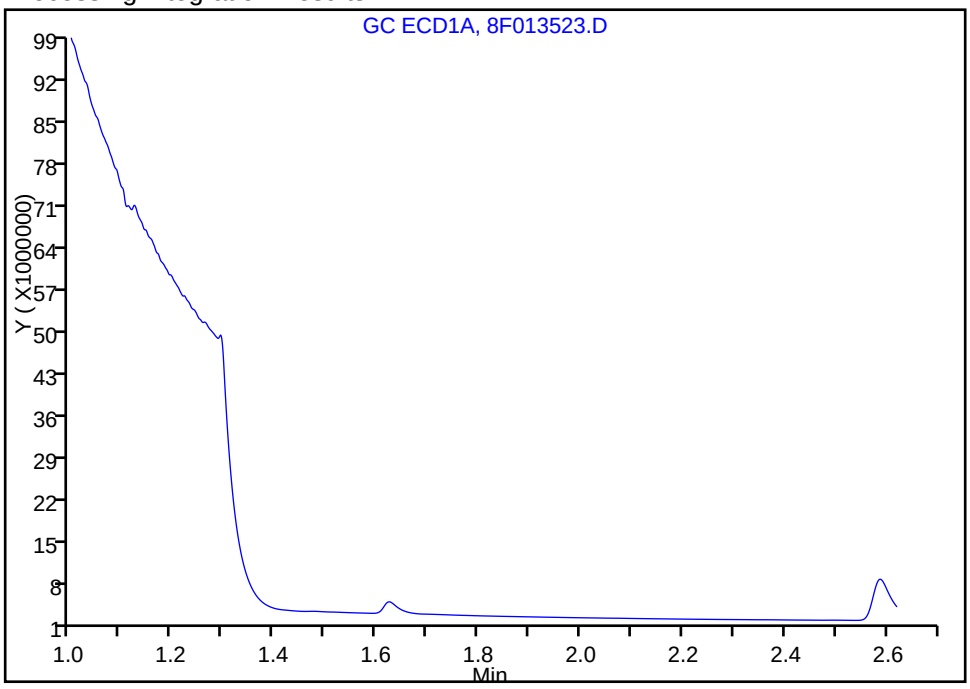
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013523.D				
Injection Date:	23-Aug-2016 09:02:45	Instrument ID:	CPESTGC8		
Lims ID:	460-118778-J-10-C MSD				
Client ID:	OB-13-081616				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

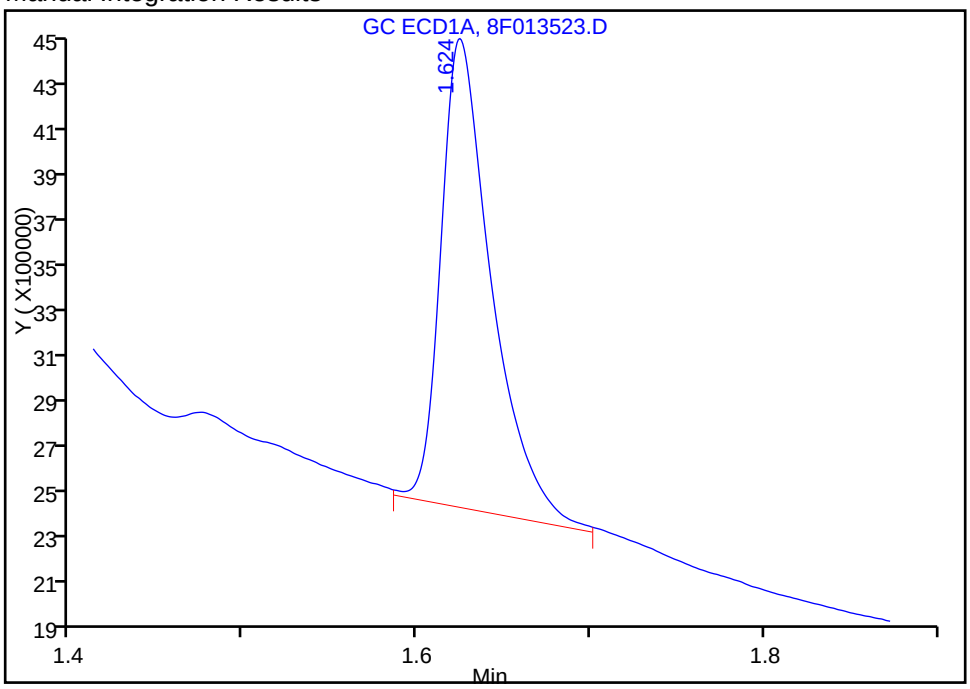
Processing Integration Results

RT: 1.62
Area: 0
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.62
Area: 4043667
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 10:35:17

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118778-J-10-C MSD

Matrix: Water | Lab File ID: 8F013523.D

Analysis Method: 8082A | Date Collected: 08/16/2016 14:00

Extraction Method: 3510C | Date Extracted: 08/22/2016 19:33

Sample wt/vol: 250(mL) | Date Analyzed: 08/23/2016 09:02

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

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

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386237 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*4.10*		*0.40*	*0.098*
11104-28-2	Aroclor 1221	0.40	U	0.40	0.098
11141-16-5	Aroclor 1232	0.40	U	0.40	0.098
53469-21-9	Aroclor 1242	0.40	U	0.40	0.098
12672-29-6	Aroclor 1248	0.40	U	0.40	0.098
11097-69-1	Aroclor 1254	0.40	U	0.40	0.084
11096-82-5	*Aroclor 1260*	*4.78*		*0.40*	*0.084*
11100-14-4	Aroclor 1268	0.40	U	0.40	0.084
37324-23-5	Aroclor-1262	0.40	U	0.40	0.084
1336-36-3	*Polychlorinated biphenyls, Total*	*8.88*		*0.40*	*0.098*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	119		10-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013523.D
Lims ID: 460-118778-J-10-C MSD
Client ID: OB-13-081616
Sample Type: MSD
Inject. Date: 23-Aug-2016 09:02:45 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044749-008
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 23-Aug-2016 14:53:04 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK029

First Level Reviewer: patelji Date: 23-Aug-2016 10:35:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.624	1.622	0.002	4043667	20.0	20.0	M
2	1.357	1.357	0.000	6988720	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.588	2.588	0.000	18823325	100.0	111.3	
2	2.014	2.006	0.008	17164512	100.0	62.5	
						RPD = 56.16	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	3.206	3.206	0.000	4760657	1000.0	1236.5	
1	3.719	3.720	-0.001	10718610	1000.0	1362.3	
1	4.011	4.013	-0.002	5592698	1000.0	1357.8	
1	4.284	4.285	-0.001	22072032	1000.0	1543.4	
1	4.454	4.455	-0.001	9809629	1000.0	1557.0	
1	5.043	5.044	-0.001	6740394	1000.0	1506.9	
1	5.196	5.198	-0.002	9062007	1000.0	1523.1	
1	5.575	5.578	-0.003	7759619	1000.0	1681.3	
		Average of Peak Amounts =				1471.0	
2	2.392	2.384	0.008	4477064	1000.0	781.6	
2	2.771	2.764	0.007	10071869	1000.0	912.7	
2	2.984	2.977	0.007	6856123	1000.0	921.9	
2	3.278	3.272	0.006	23115541	1000.0	1019.8	
2	3.429	3.423	0.006	8884813	1000.0	1048.6	
2	3.494	3.489	0.005	7092231	1000.0	1129.5	
2	3.901	3.895	0.006	10753929	1000.0	1150.5	
2	4.341	4.335	0.006	5767703	1000.0	1225.8	
		Average of Peak Amounts =				1023.8	
						RPD = 35.85	
8 PCB-1260							M
1	6.569	6.572	-0.003	8516626	1000.0	1640.4	
1	6.827	6.829	-0.002	17592080	1000.0	1671.7	
1	7.199	7.203	-0.004	21210343	1000.0	1682.7	
1	8.095	8.098	-0.003	15368947	1000.0	1813.6	M
1	8.521	8.525	-0.004	14618668	1000.0	1775.2	M
1	8.835	8.840	-0.005	38163111	1000.0	1858.2	M
1	9.211	9.219	-0.008	36196705	1000.0	1742.4	
1	9.737	9.746	-0.009	10734226	1000.0	1710.5	
		Average of Peak Amounts =				1736.8	
2	5.329	5.324	0.005	19646252	1000.0	1215.6	
2	6.037	6.033	0.004	31887678	1000.0	1191.8	
2	6.204	6.199	0.005	15876155	1000.0	1096.9	
2	6.562	6.557	0.005	16615166	1000.0	1067.1	
2	7.067	7.061	0.006	43436057	1000.0	1184.8	
2	7.574	7.569	0.005	21629102	1000.0	1230.2	
2	7.751	7.746	0.005	15329248	1000.0	1305.7	
2	8.624	8.625	-0.001	11666361	1000.0	1269.0	
		Average of Peak Amounts =				1195.1	
						RPD = 36.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.199	10.210	-0.011	29684641	100.0	158.3	
2	9.124	9.127	-0.003	33519237	100.0	118.8	
						RPD = 28.53	
S 12 Polychlorinated biphenyls, Total							
1						3207.9	
16 1260 Res 1							
2	7.751	7.784	-0.033	15329248		NR	
15 1260 Res 3							
2	8.002	7.972	0.030	13867		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

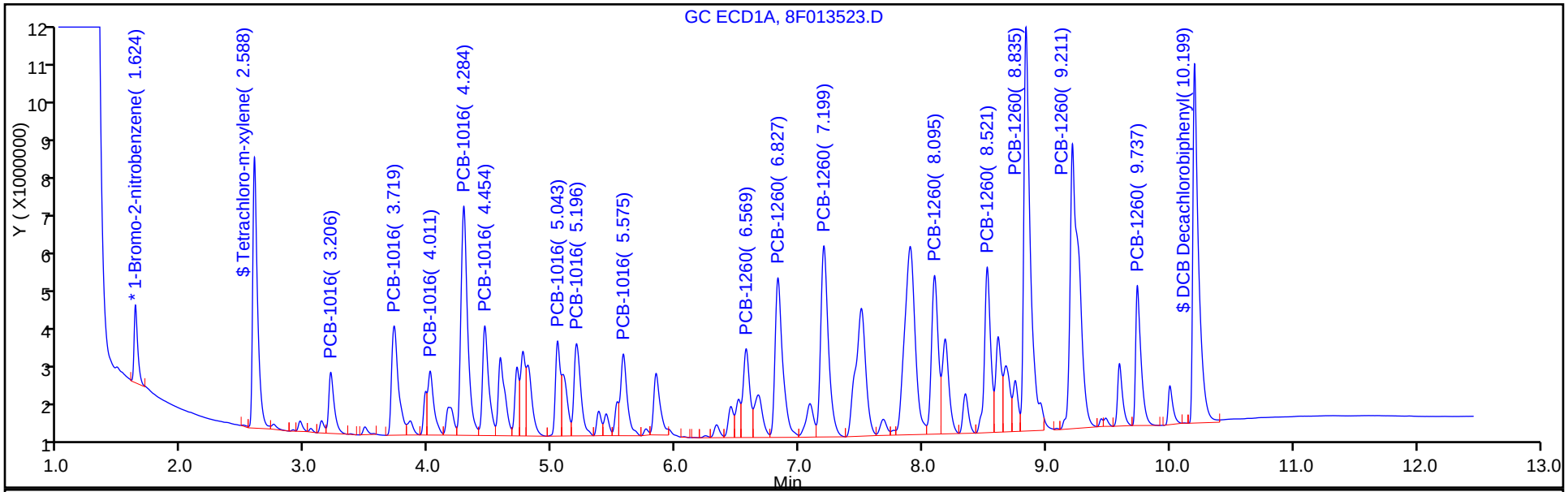
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

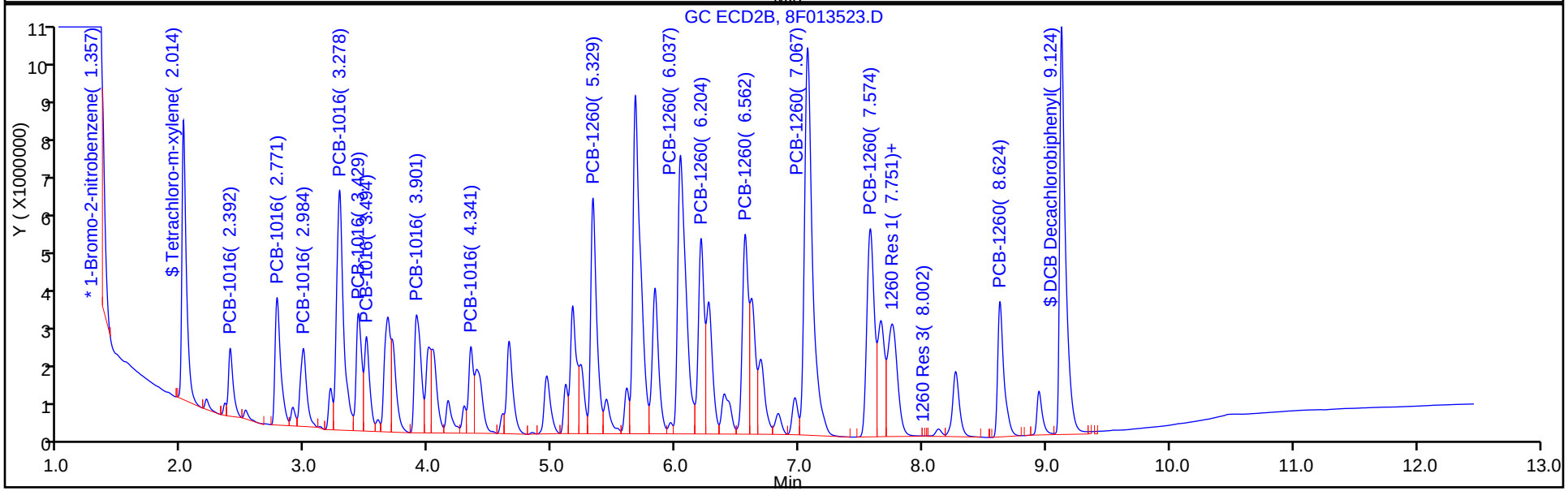
Report Date: 23-Aug-2016 14:53:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013523.D

Injection Date:	23-Aug-2016 09:02:45	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118778-J-10-C MSD			Worklist Smp#:	8
Client ID:	OB-13-081616				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

TestAmerica Edison

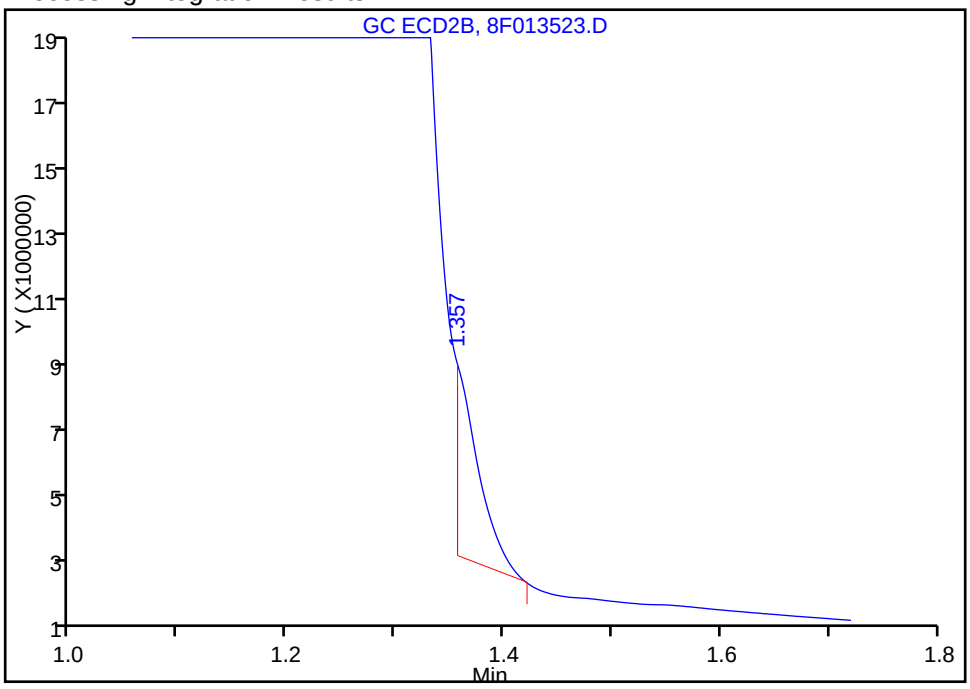
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44749.b\8F013523.D				
Injection Date:	23-Aug-2016 09:02:45	Instrument ID:	CPESTGC8		
Lims ID:	460-118778-J-10-C MSD				
Client ID:	OB-13-081616				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

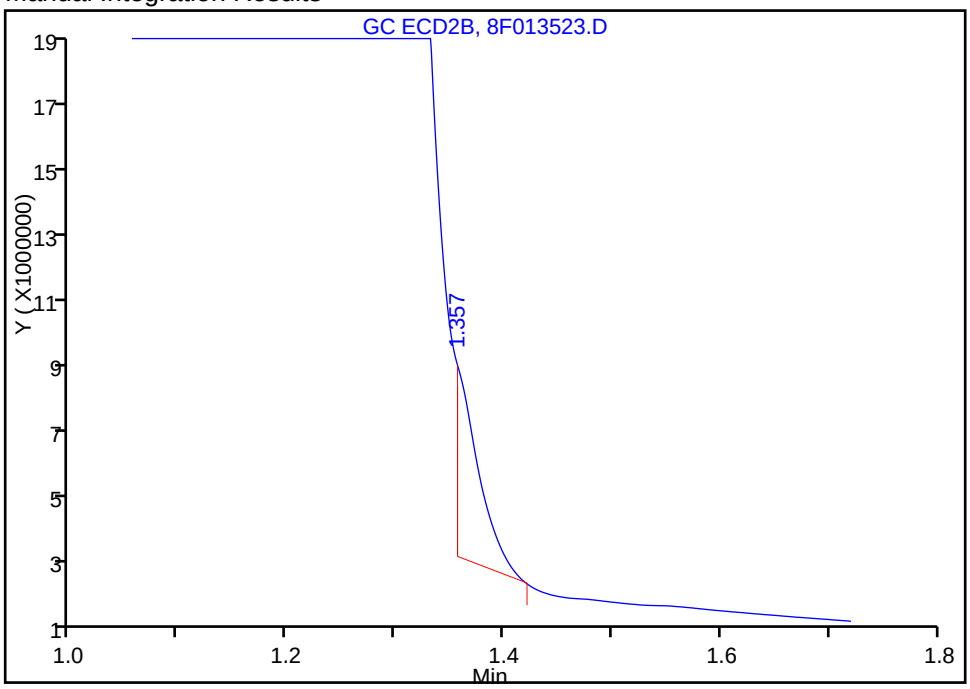
Processing Integration Results

RT: 1.36
Area: 6988720
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 6988720
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 23-Aug-2016 10:35:17

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118952-D-5-C MSD

Matrix: Solid | Lab File ID: 8F013543.D

Analysis Method: 8082A | Date Collected: 08/17/2016 14:20

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0081(g) | Date Analyzed: 08/23/2016 14:46

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 1.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	562		68	9.1
11104-28-2	*Aroclor 1221*	*68*	*U*	*68*	*9.1*
11141-16-5	*Aroclor 1232*	*68*	*U*	*68*	*9.1*
53469-21-9	*Aroclor 1242*	*68*	*U*	*68*	*9.1*
12672-29-6	*Aroclor 1248*	*68*	*U*	*68*	*9.1*
11097-69-1	*Aroclor 1254*	*68*	*U*	*68*	*9.4*
11096-82-5	Aroclor 1260	495		68	9.4
11100-14-4	*Aroclor 1268*	*68*	*U*	*68*	*9.4*
37324-23-5	*Aroclor-1262*	*68*	*U*	*68*	*9.4*
1336-36-3	Polychlorinated biphenyls, Total	1060		68	9.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	131		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D
Lims ID: 460-118952-D-5-C MSD
Client ID: CFMW-053a-SO-10-12
Sample Type: MSD
Inject. Date: 23-Aug-2016 14:46:56 ALS Bottle#: 28 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-008
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:47:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.622	1.625	-0.003	4899619	20.0	20.0	
2	1.361	1.358	0.003	6162258	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.587	2.593	-0.006	12809738	50.0	62.5	
2	2.012	2.007	0.005	11937237	50.0	49.3	
						RPD = 23.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.204	3.212	-0.008	5137188	500.0	1101.2	
1	3.718	3.725	-0.007	6856940	500.0	719.3	M
1	4.010	4.017	-0.007	3499850	500.0	701.2	M
1	4.283	4.290	-0.007	12951867	500.0	747.5	M
1	4.453	4.460	-0.007	5870401	500.0	769.0	M
1	5.043	5.050	-0.007	6044817	500.0	1115.3	M
1	5.195	5.203	-0.008	5093566	500.0	706.5	M
1	5.575	5.583	-0.008	4258910	500.0	761.6	M
		Average of Peak Amounts =				827.7	
2	2.390	2.386	0.004	3050328	500.0	604.0	
2	2.771	2.766	0.005	7140423	500.0	733.9	M
2	2.983	2.978	0.005	4212521	500.0	642.4	M
2	3.277	3.273	0.004	12801477	500.0	640.5	M
2	3.429	3.424	0.005	4829977	500.0	646.5	M
2	3.495	3.490	0.005	3625236	500.0	654.8	M
2	3.901	3.898	0.003	5608259	500.0	680.4	M
2	4.340	4.338	0.002	3072557	500.0	740.6	M
		Average of Peak Amounts =				667.9	
						RPD = 21.37	
8 PCB-1260							M
1	6.570	6.579	-0.009	4423294	500.0	703.1	M
1	6.828	6.837	-0.009	9390755	500.0	736.5	M
1	7.200	7.210	-0.010	11397851	500.0	746.3	M
1	8.095	8.106	-0.011	7823887	500.0	762.0	M
1	8.525	8.533	-0.008	7274065	500.0	729.0	M
1	8.842	8.849	-0.007	18247954	500.0	733.3	M
1	9.223	9.228	-0.005	18231840	500.0	724.3	M
1	9.755	9.758	-0.003	5305690	500.0	697.8	
		Average of Peak Amounts =				729.0	
2	5.330	5.328	0.002	10092763	500.0	708.2	
2	6.038	6.037	0.001	16387494	500.0	694.6	
2	6.205	6.203	0.002	8520202	500.0	667.6	
2	6.562	6.561	0.001	8392257	500.0	611.3	
2	7.068	7.067	0.001	21817820	500.0	674.9	
2	7.575	7.576	-0.001	10457525	500.0	674.6	
2	7.752	7.753	-0.001	7881973	500.0	761.4	
2	8.630	8.631	-0.001	5817670	500.0	717.7	
		Average of Peak Amounts =				688.8	
						RPD = 5.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.225	10.227	-0.002	14911587	50.0	65.6	
2	9.135	9.134	0.001	16887930	50.0	67.9	M
						RPD = 3.36	
S 12 Polychlorinated biphenyls, Total							
1						1556.7	
16 1260 Res 1							
2	7.752	7.784	-0.032	7881973		NR	
15 1260 Res 3							
2	8.024	7.972	0.051	64406		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

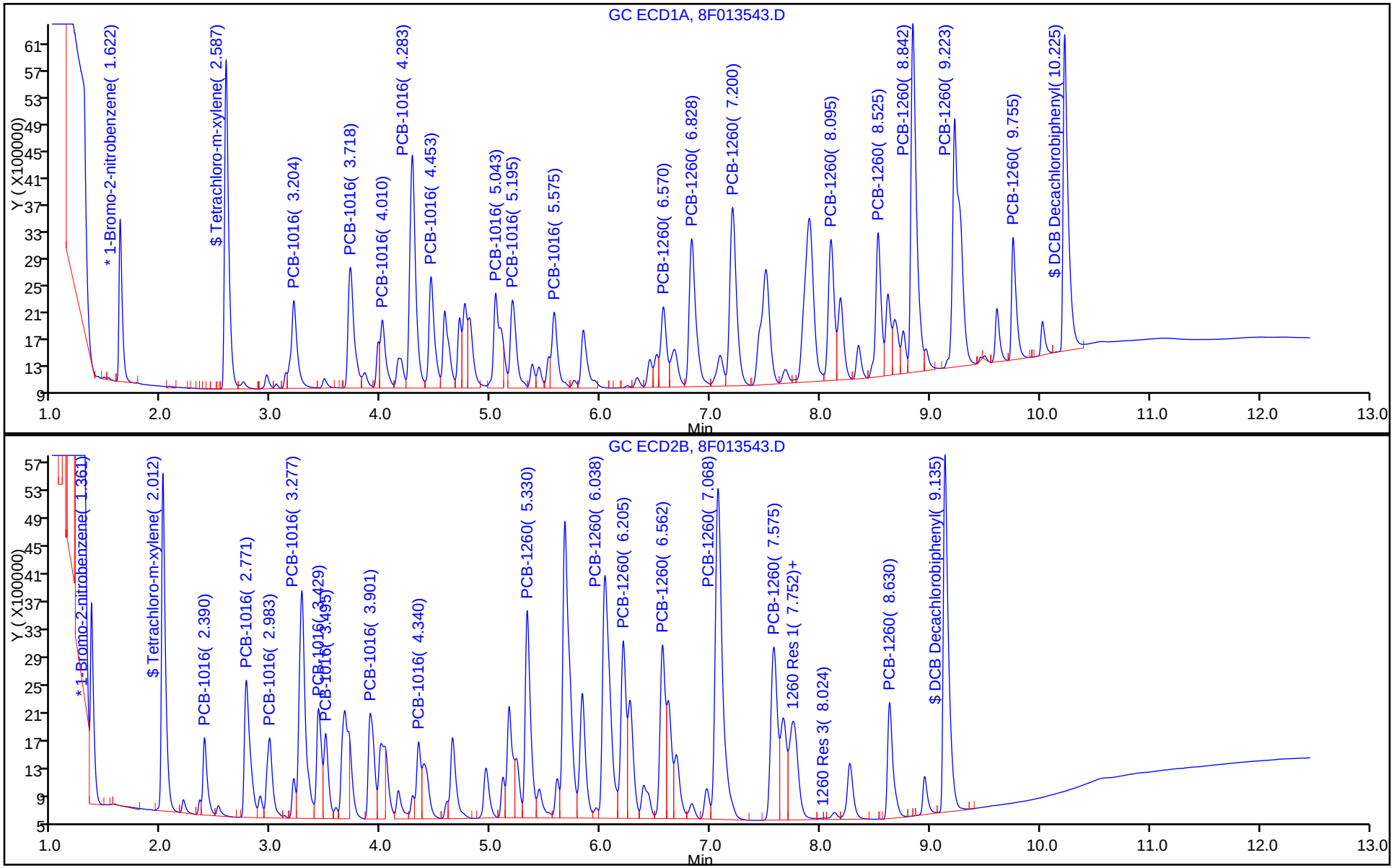
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:23:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D

Injection Date:	23-Aug-2016 14:46:56	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118952-D-5-C MSD			Worklist Smp#:	8
Client ID:	CFMW-053a-SO-10-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



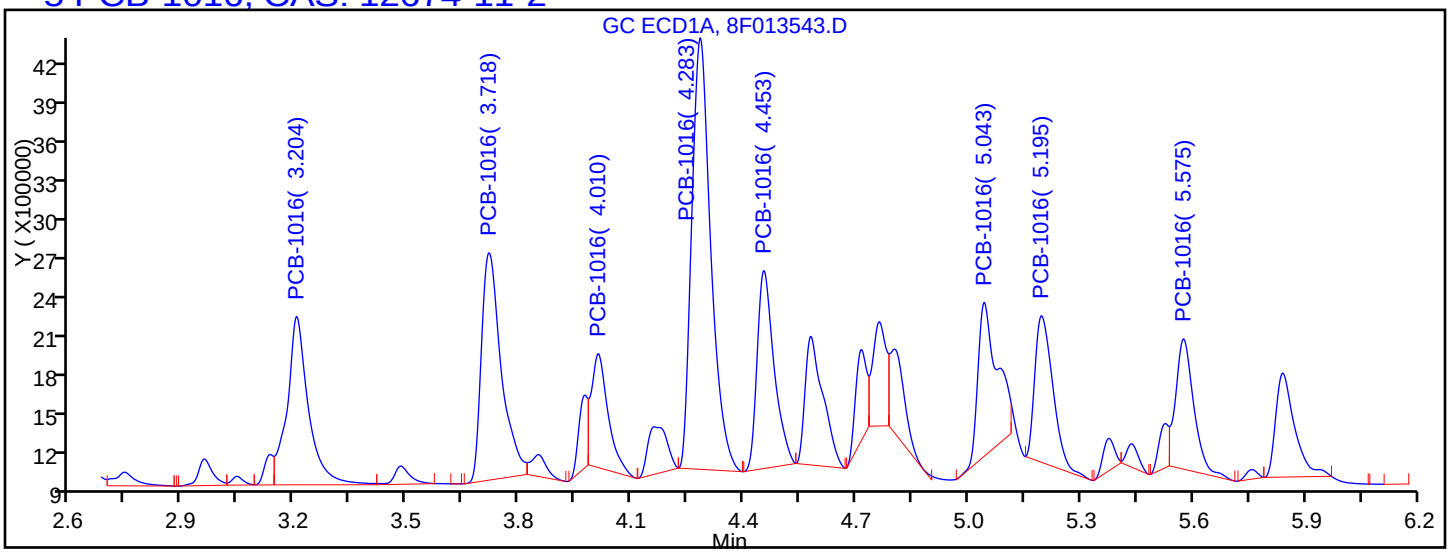
Report Date: 24-Aug-2016 11:23:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D

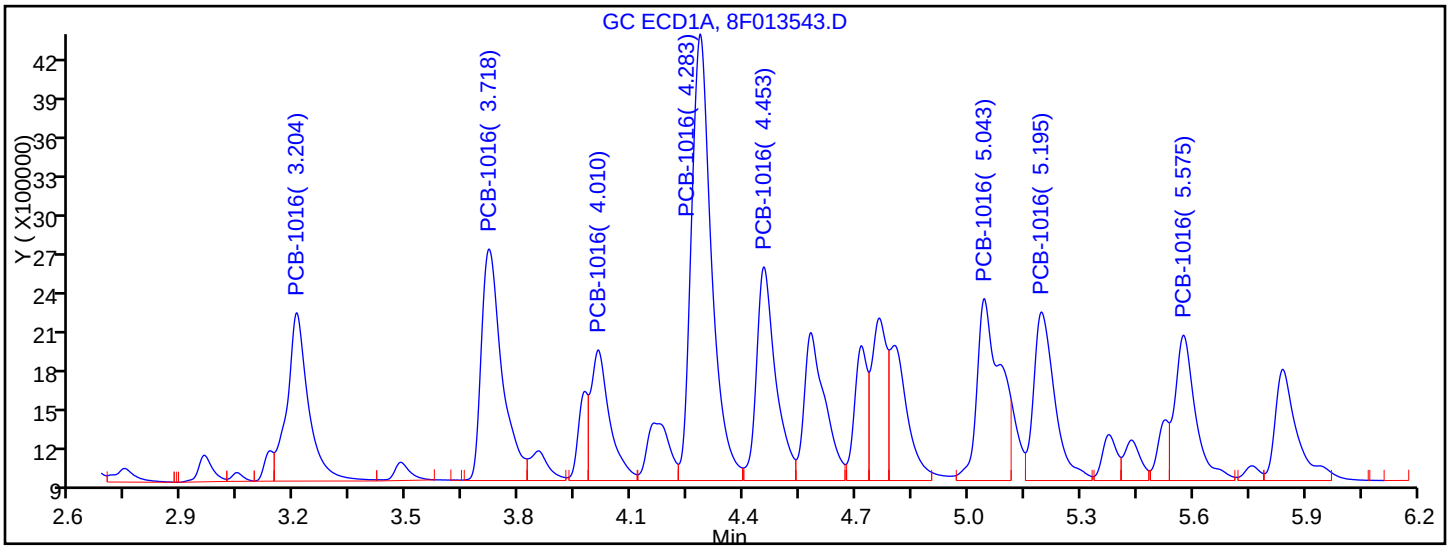
Injection Date:	23-Aug-2016 14:46:56	Instrument ID:	CPESTGC8		
Lims ID:	460-118952-D-5-C MSD				
Client ID:	CFMW-053a-SO-10-12				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 3.204	Response = 5137188	
RT = 3.718	Response = 6457369	M
RT = 4.010	Response = 2738631	M
RT = 4.283	Response = 11813120	M
RT = 4.453	Response = 4798386	M
RT = 5.043	Response = 4180563	M
RT = 5.195	Response = 3798251	M
RT = 5.575	Response = 3386685	M



Manual Integration Results

RT = 3.204	Response = 5137188	
RT = 3.718	Response = 6856940	M
RT = 4.010	Response = 3499850	M
RT = 4.283	Response = 12951867	M
RT = 4.453	Response = 5870401	M
RT = 5.043	Response = 6044817	M

Report Date: 24-Aug-2016 11:23:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D

Injection Date: 23-Aug-2016 14:46:56 Instrument ID: CPESTGC8

Lims ID: 460-118952-D-5-C MSD

Client ID: CFMW-053a-SO-10-12

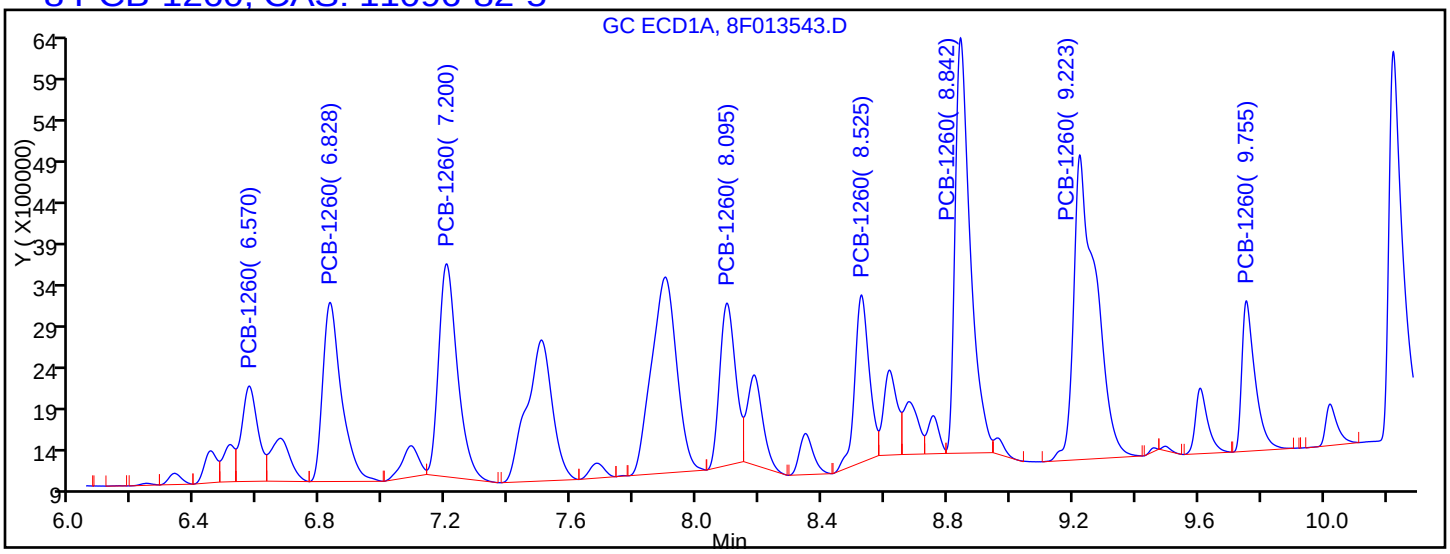
Operator ID: ALS Bottle#: 28 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

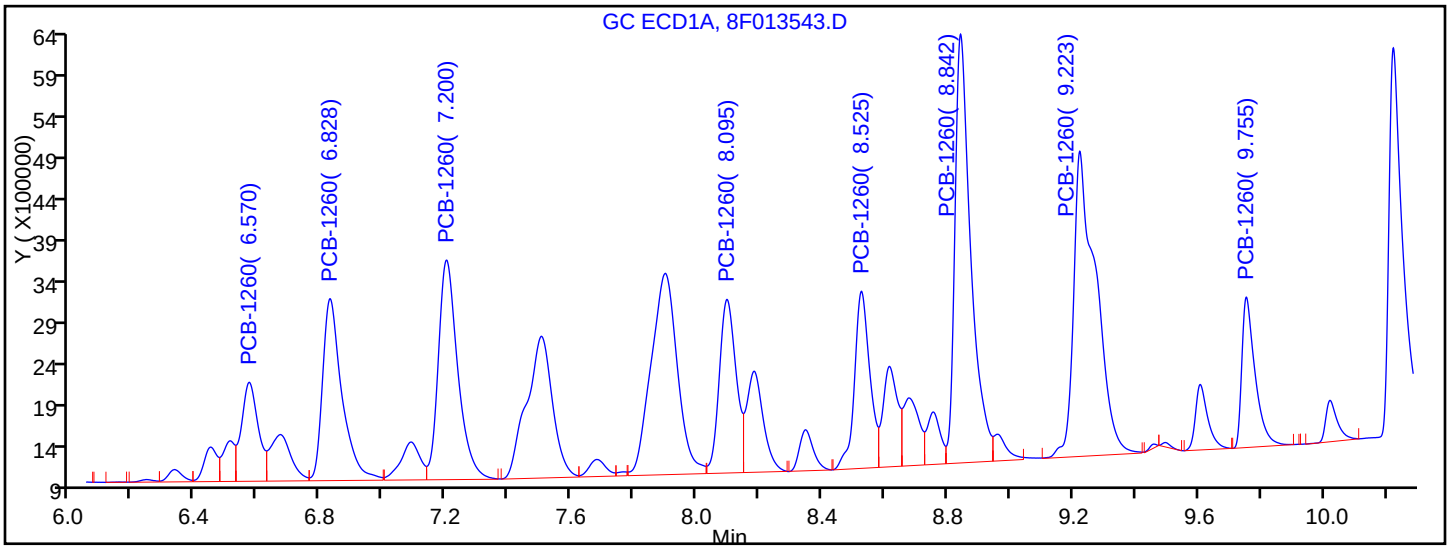
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 6.570	Response = 4166390	M
RT = 6.828	Response = 8919734	M
RT = 7.200	Response = 10629904	M
RT = 8.095	Response = 6895134	M
RT = 8.525	Response = 6455231	M
RT = 8.842	Response = 16827880	M
RT = 9.223	Response = 18093194	M
RT = 9.755	Response = 5305690	



Manual Integration Results

RT = 6.570	Response = 4423294	M
RT = 6.828	Response = 9390755	M
RT = 7.200	Response = 11397851	M
RT = 8.095	Response = 7823887	M
RT = 8.525	Response = 7274065	M
RT = 8.842	Response = 18247954	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-118952-D-5-C MSD

Matrix: Solid | Lab File ID: 8F013543.D

Analysis Method: 8082A | Date Collected: 08/17/2016 14:20

Extraction Method: 3546 | Date Extracted: 08/22/2016 22:55

Sample wt/vol: 15.0081(g) | Date Analyzed: 08/23/2016 14:46

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

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

% Moisture: 1.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 386320 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*454*		*68*	*9.1*
11104-28-2	Aroclor 1221	68	U	68	9.1
11141-16-5	Aroclor 1232	68	U	68	9.1
53469-21-9	Aroclor 1242	68	U	68	9.1
12672-29-6	Aroclor 1248	68	U	68	9.1
11097-69-1	Aroclor 1254	68	U	68	9.4
11096-82-5	*Aroclor 1260*	*468*		*68*	*9.4*
11100-14-4	Aroclor 1268	68	U	68	9.4
37324-23-5	Aroclor-1262	68	U	68	9.4
1336-36-3	*Polychlorinated biphenyls, Total*	*922*		*68*	*9.4*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	136		35-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D
Lims ID: 460-118952-D-5-C MSD
Client ID: CFMW-053a-SO-10-12
Sample Type: MSD
Inject. Date: 23-Aug-2016 14:46:56 ALS Bottle#: 28 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0044764-008
Operator ID: Instrument ID: CPESTGC8

Method: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8082ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2016 11:22:47 Calib Date: 14-Jun-2016 13:12:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC8\20160614-42137.b\8F012089.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: patelji Date: 24-Aug-2016 07:47:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.622	1.625	-0.003	4899619	20.0	20.0	
2	1.361	1.358	0.003	6162258	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.587	2.593	-0.006	12809738	50.0	62.5	
2	2.012	2.007	0.005	11937237	50.0	49.3	
						RPD = 23.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	3.204	3.212	-0.008	5137188	500.0	1101.2	
1	3.718	3.725	-0.007	6856940	500.0	719.3	M
1	4.010	4.017	-0.007	3499850	500.0	701.2	M
1	4.283	4.290	-0.007	12951867	500.0	747.5	M
1	4.453	4.460	-0.007	5870401	500.0	769.0	M
1	5.043	5.050	-0.007	6044817	500.0	1115.3	M
1	5.195	5.203	-0.008	5093566	500.0	706.5	M
1	5.575	5.583	-0.008	4258910	500.0	761.6	M
		Average of Peak Amounts =				827.7	
2	2.390	2.386	0.004	3050328	500.0	604.0	
2	2.771	2.766	0.005	7140423	500.0	733.9	M
2	2.983	2.978	0.005	4212521	500.0	642.4	M
2	3.277	3.273	0.004	12801477	500.0	640.5	M
2	3.429	3.424	0.005	4829977	500.0	646.5	M
2	3.495	3.490	0.005	3625236	500.0	654.8	M
2	3.901	3.898	0.003	5608259	500.0	680.4	M
2	4.340	4.338	0.002	3072557	500.0	740.6	M
		Average of Peak Amounts =				667.9	
						RPD = 21.37	
8 PCB-1260							M
1	6.570	6.579	-0.009	4423294	500.0	703.1	M
1	6.828	6.837	-0.009	9390755	500.0	736.5	M
1	7.200	7.210	-0.010	11397851	500.0	746.3	M
1	8.095	8.106	-0.011	7823887	500.0	762.0	M
1	8.525	8.533	-0.008	7274065	500.0	729.0	M
1	8.842	8.849	-0.007	18247954	500.0	733.3	M
1	9.223	9.228	-0.005	18231840	500.0	724.3	M
1	9.755	9.758	-0.003	5305690	500.0	697.8	
		Average of Peak Amounts =				729.0	
2	5.330	5.328	0.002	10092763	500.0	708.2	
2	6.038	6.037	0.001	16387494	500.0	694.6	
2	6.205	6.203	0.002	8520202	500.0	667.6	
2	6.562	6.561	0.001	8392257	500.0	611.3	
2	7.068	7.067	0.001	21817820	500.0	674.9	
2	7.575	7.576	-0.001	10457525	500.0	674.6	
2	7.752	7.753	-0.001	7881973	500.0	761.4	
2	8.630	8.631	-0.001	5817670	500.0	717.7	
		Average of Peak Amounts =				688.8	
						RPD = 5.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							M
1	10.225	10.227	-0.002	14911587	50.0	65.6	
2	9.135	9.134	0.001	16887930	50.0	67.9	M
						RPD = 3.36	
S 12 Polychlorinated biphenyls, Total							
1						1556.7	
16 1260 Res 1							
2	7.752	7.784	-0.032	7881973		NR	
15 1260 Res 3							
2	8.024	7.972	0.051	64406		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

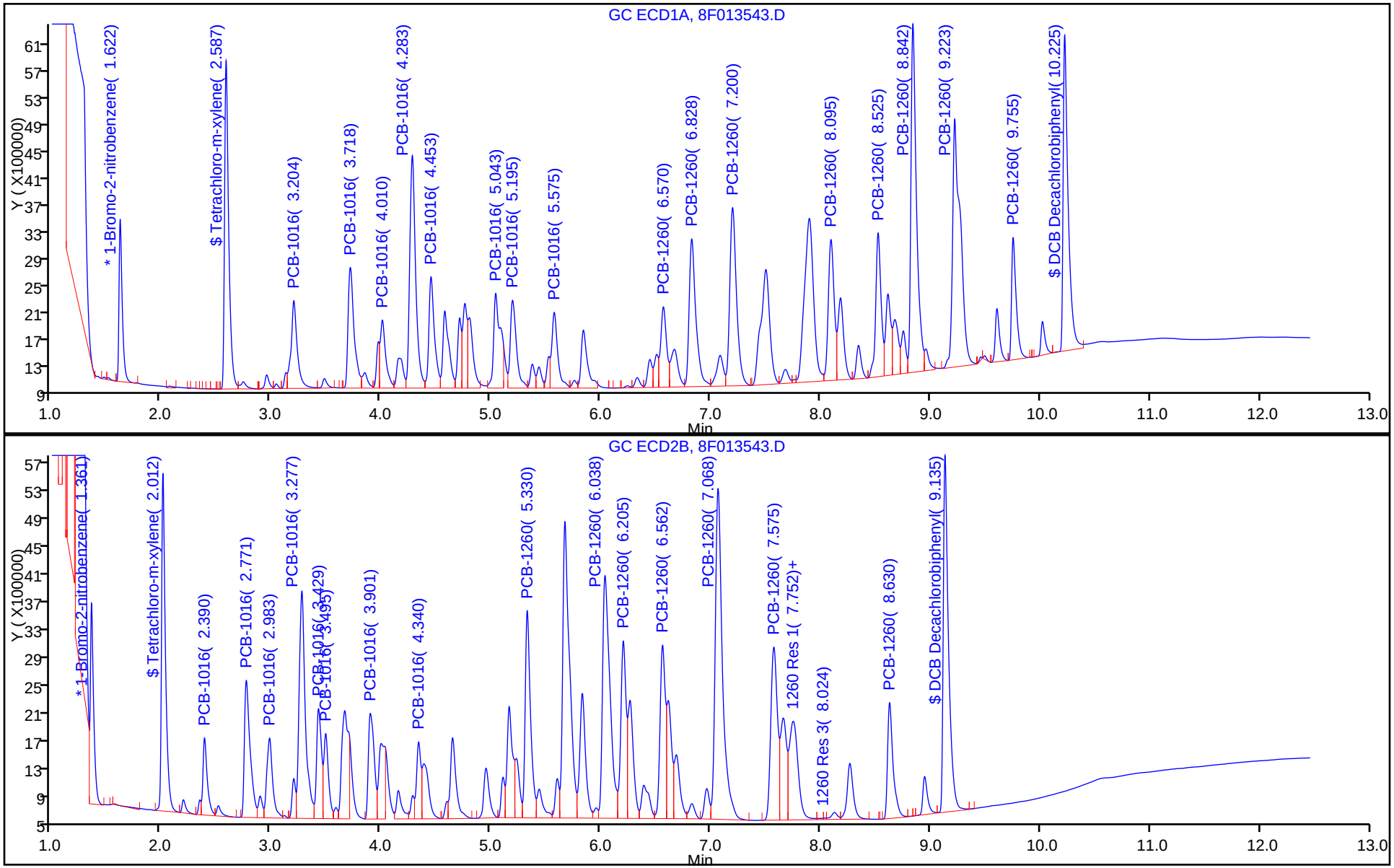
SGPCBISTD_00006 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 24-Aug-2016 11:23:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D

Injection Date:	23-Aug-2016 14:46:56	Instrument ID:	CPESTGC8	Operator ID:	
Lims ID:	460-118952-D-5-C MSD			Worklist Smp#:	8
Client ID:	CFMW-053a-SO-10-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		



Report Date: 24-Aug-2016 11:23:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D

Injection Date: 23-Aug-2016 14:46:56 Instrument ID: CPESTGC8

Lims ID: 460-118952-D-5-C MSD

Client ID: CFMW-053a-SO-10-12

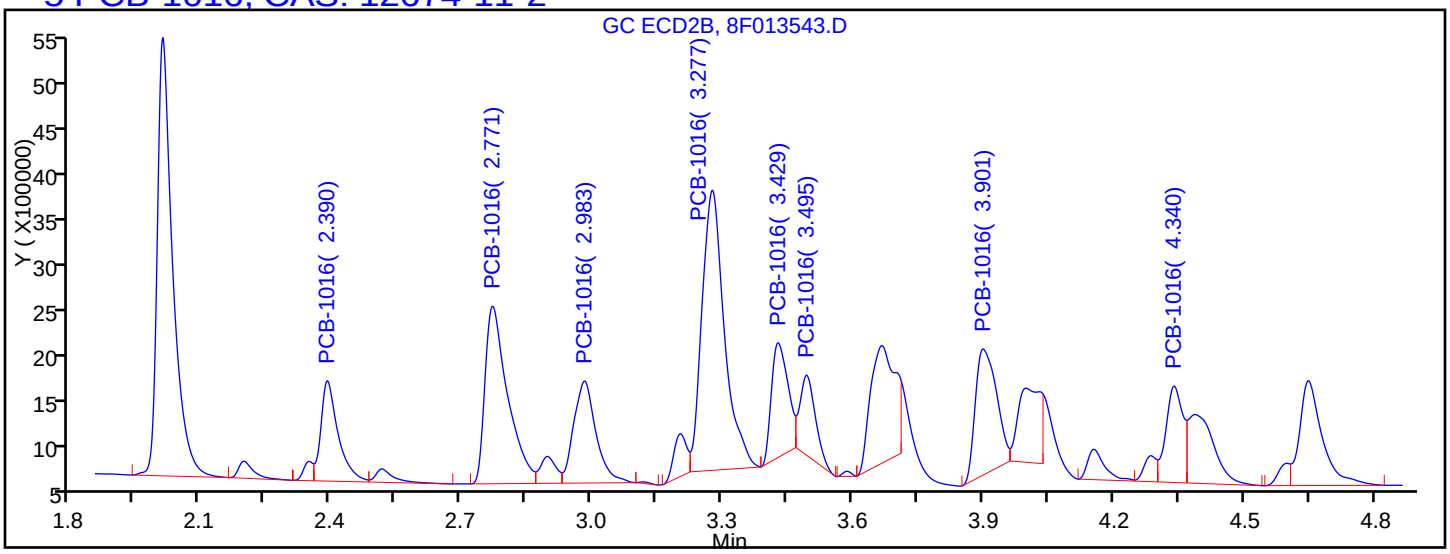
Operator ID: ALS Bottle#: 28 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082ISTD Limit Group: GC 8082A PCB ISTD

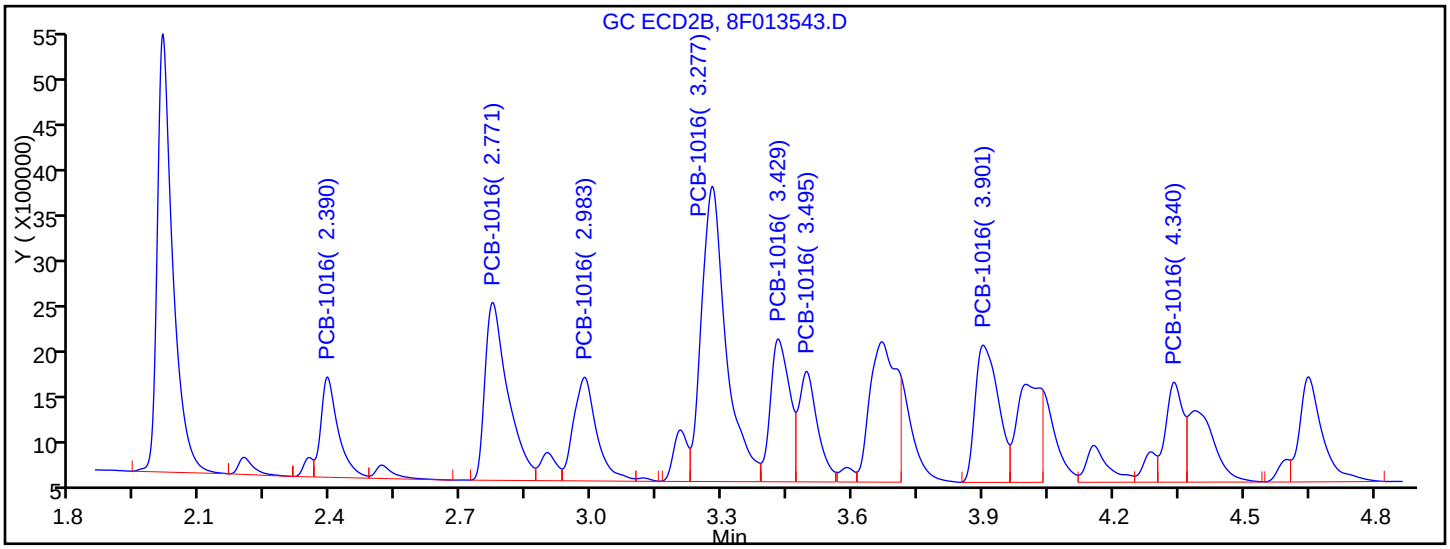
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.390	Response = 3050328	
RT = 2.771	Response = 7087161	M
RT = 2.983	Response = 3996266	M
RT = 3.277	Response = 11100674	M
RT = 3.429	Response = 3335886	M
RT = 3.495	Response = 2192348	M
RT = 3.901	Response = 4686219	M
RT = 4.340	Response = 2914780	M



Manual Integration Results

RT = 2.390	Response = 3050328	
RT = 2.771	Response = 7140423	M
RT = 2.983	Response = 4212521	M
RT = 3.277	Response = 12801477	M
RT = 3.429	Response = 4829977	M
RT = 3.495	Response = 3625236	M

Manual Integration/User Assign Peak Report

TestAmerica Edison

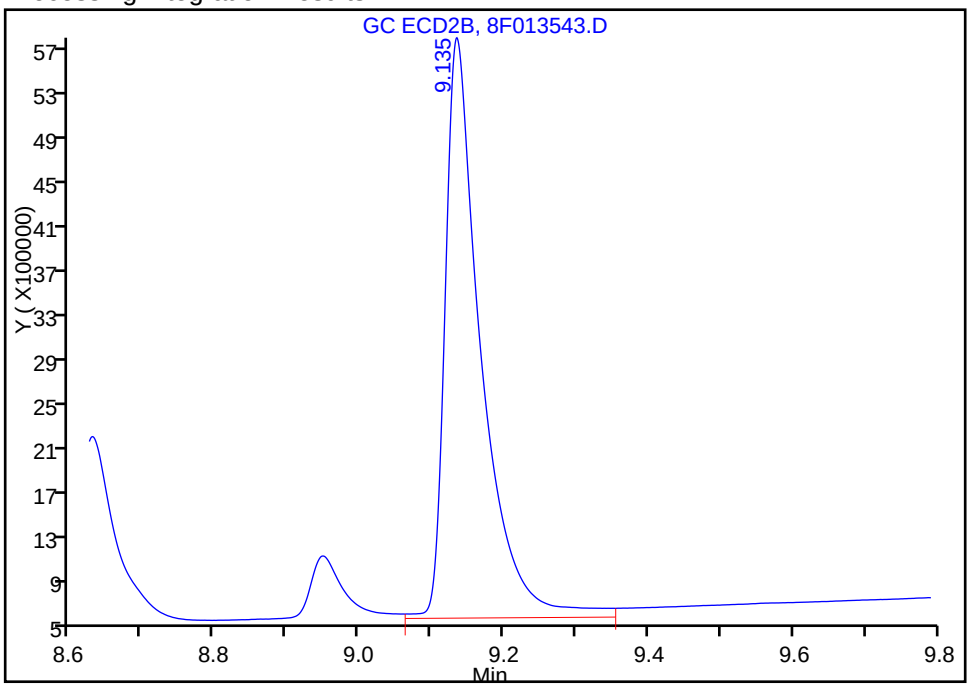
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D				
Injection Date:	23-Aug-2016 14:46:56	Instrument ID:	CPESTGC8		
Lims ID:	460-118952-D-5-C MSD				
Client ID:	CFMW-053a-SO-10-12				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

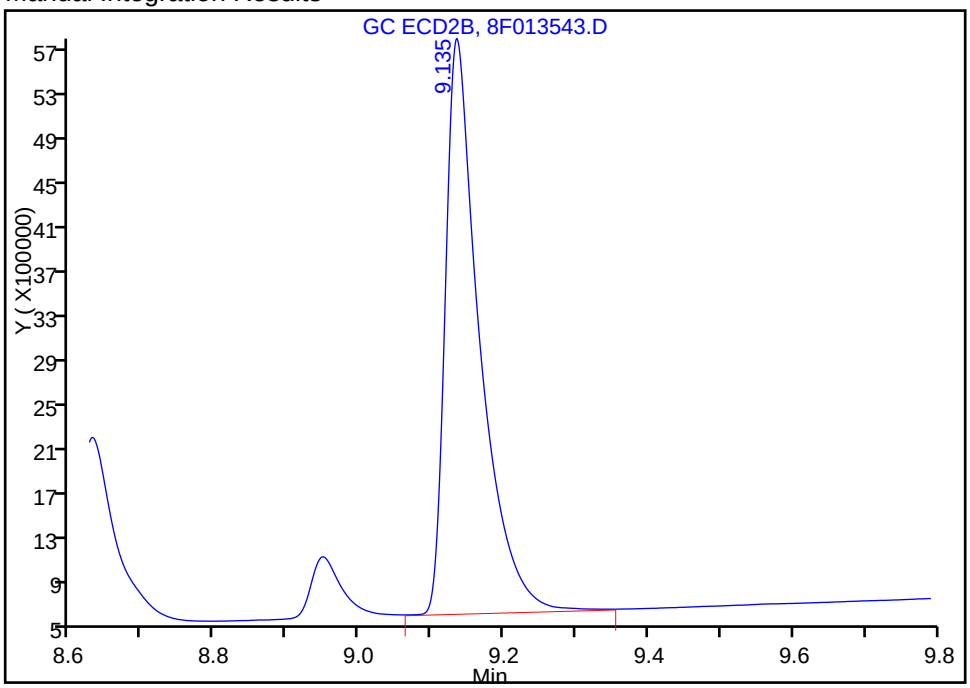
Processing Integration Results

RT: 9.13
Area: 17780937
Amount: 130.0637
Amount Units: ug/l



Manual Integration Results

RT: 9.13
Area: 16887930
Amount: 67.871692
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:47:00

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

TestAmerica Edison

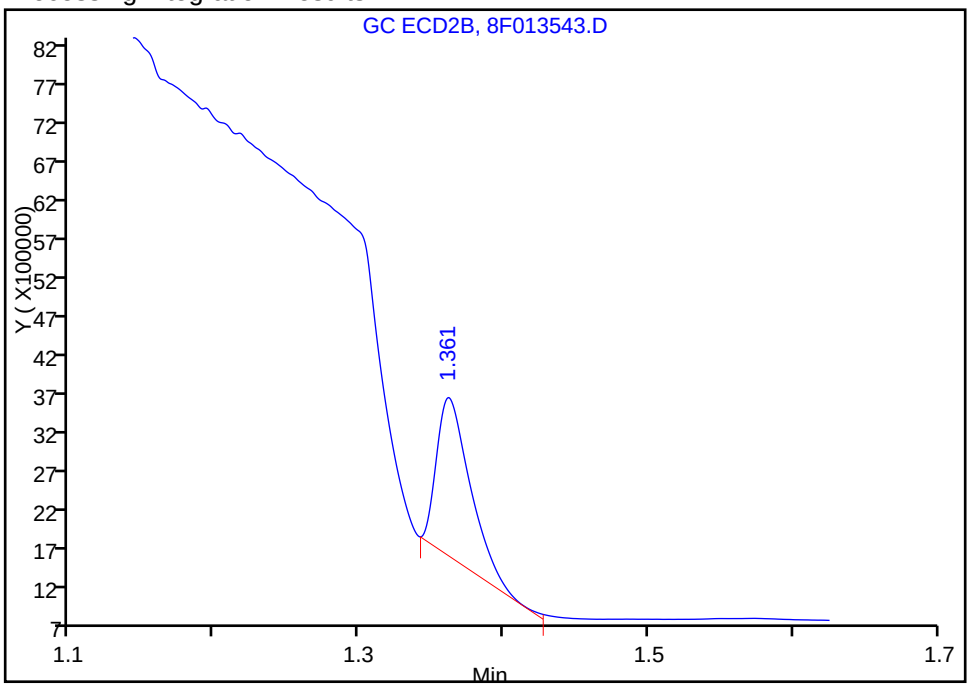
Data File:	\\ChromNA\Edison\ChromData\CPESTGC8\20160823-44764.b\8F013543.D				
Injection Date:	23-Aug-2016 14:46:56	Instrument ID:	CPESTGC8		
Lims ID:	460-118952-D-5-C MSD				
Client ID:	CFMW-053a-SO-10-12				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

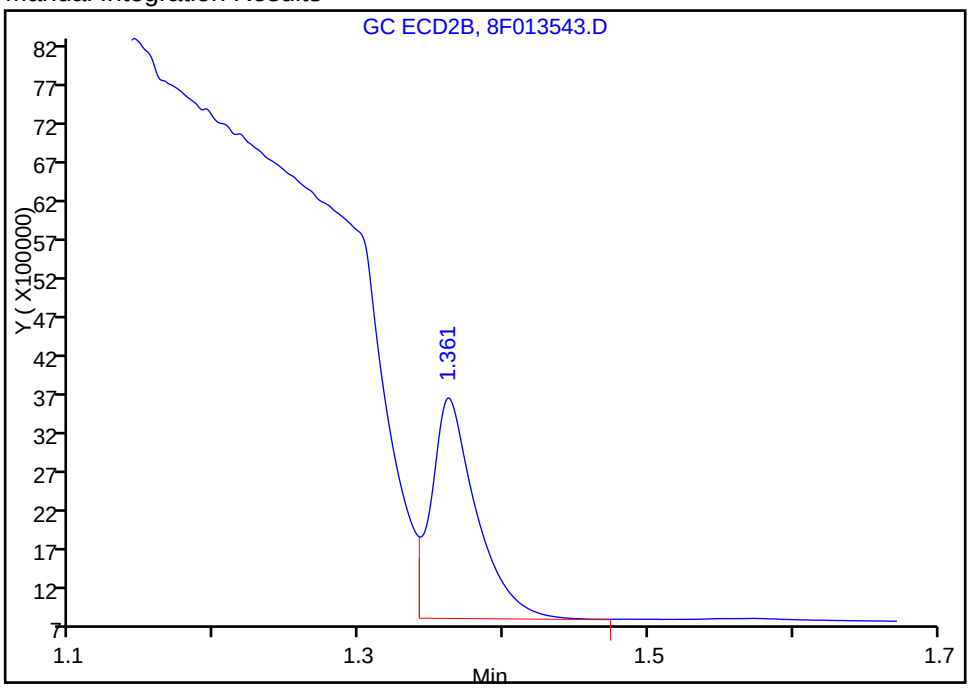
Processing Integration Results

RT: 1.36
Area: 3385718
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 6162258
Amount: 20.000000
Amount Units: ug/l



Reviewer: patelji, 24-Aug-2016 07:47:00

Audit Action: Manually Integrated Audit Reason: Peak not integrated

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 06/17/2016 16:35

Analysis Batch Number: 374290 End Date: 06/17/2016 19:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/17/2016 16:35	1		CLP-2 0.53(mm)
ZZZZZ		06/17/2016 16:35	1		CLP-1 0.53(mm)
IC 460-374290/2		06/17/2016 16:49	1	T1329657.D	CLP-2 0.53(mm)
IC 460-374290/2		06/17/2016 16:49	1	T1329657.D	CLP-1 0.53(mm)
IC 460-374290/3		06/17/2016 17:04	1	T1329658.D	CLP-2 0.53(mm)
IC 460-374290/3		06/17/2016 17:04	1	T1329658.D	CLP-1 0.53(mm)
IC 460-374290/4 ICRT		06/17/2016 17:18	1	T1329659.D	CLP-2 0.53(mm)
IC 460-374290/4 ICRT		06/17/2016 17:18	1	T1329659.D	CLP-1 0.53(mm)
IC 460-374290/5		06/17/2016 17:33	1	T1329660.D	CLP-2 0.53(mm)
IC 460-374290/5		06/17/2016 17:33	1	T1329660.D	CLP-1 0.53(mm)
IC 460-374290/6		06/17/2016 17:47	1	T1329661.D	CLP-2 0.53(mm)
IC 460-374290/6		06/17/2016 17:47	1	T1329661.D	CLP-1 0.53(mm)
ICV 460-374290/7		06/17/2016 18:02	1	T1329662.D	CLP-2 0.53(mm)
ICV 460-374290/7		06/17/2016 18:02	1	T1329662.D	CLP-1 0.53(mm)
IC 460-374290/8		06/17/2016 18:16	1	T1329663.D	CLP-2 0.53(mm)
IC 460-374290/8		06/17/2016 18:16	1	T1329663.D	CLP-1 0.53(mm)
IC 460-374290/9		06/17/2016 18:31	1	T1329664.D	CLP-2 0.53(mm)
IC 460-374290/9		06/17/2016 18:31	1	T1329664.D	CLP-1 0.53(mm)
IC 460-374290/10		06/17/2016 18:45	1	T1329665.D	CLP-2 0.53(mm)
IC 460-374290/10		06/17/2016 18:45	1	T1329665.D	CLP-1 0.53(mm)
IC 460-374290/11		06/17/2016 19:00	1	T1329666.D	CLP-2 0.53(mm)
IC 460-374290/11		06/17/2016 19:00	1	T1329666.D	CLP-1 0.53(mm)
IC 460-374290/12		06/17/2016 19:14	1	T1329667.D	CLP-2 0.53(mm)
IC 460-374290/12		06/17/2016 19:14	1	T1329667.D	CLP-1 0.53(mm)
IC 460-374290/13		06/17/2016 19:29	1	T1329668.D	CLP-2 0.53(mm)
IC 460-374290/13		06/17/2016 19:29	1	T1329668.D	CLP-1 0.53(mm)
IC 460-374290/14		06/17/2016 19:43	1	T1329669.D	CLP-2 0.53(mm)
IC 460-374290/14		06/17/2016 19:43	1	T1329669.D	CLP-1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 08/23/2016 14:00

Analysis Batch Number: 386327 End Date: 08/24/2016 04:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/23/2016 14:00	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 14:00	1		Rtx-CLP 0.53(mm)
CCVIS 460-386327/2		08/23/2016 14:15	1	T1332069.D	CLP-2 0.53(mm)
CCVIS 460-386327/2		08/23/2016 14:15	1	T1332069.D	Rtx-CLP 0.53(mm)
MB 460-386173/1-A		08/23/2016 14:37	1	T1332070.D	CLP-2 0.53(mm)
MB 460-386173/1-A		08/23/2016 14:37	1	T1332070.D	Rtx-CLP 0.53(mm)
LCS 460-386173/2-A		08/23/2016 14:52	1	T1332071.D	CLP-2 0.53(mm)
LCS 460-386173/2-A		08/23/2016 14:52	1	T1332071.D	Rtx-CLP 0.53(mm)
460-118857-5		08/23/2016 15:07	1	T1332072.D	CLP-2 0.53(mm)
460-118857-5		08/23/2016 15:07	1	T1332072.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 15:23	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 15:23	1		Rtx-CLP 0.53(mm)
460-118857-5 MS		08/23/2016 15:38	1	T1332074.D	CLP-2 0.53(mm)
460-118857-5 MS		08/23/2016 15:38	1	T1332074.D	Rtx-CLP 0.53(mm)
460-118857-5 MSD		08/23/2016 15:53	1	T1332075.D	CLP-2 0.53(mm)
460-118857-5 MSD		08/23/2016 15:53	1	T1332075.D	Rtx-CLP 0.53(mm)
460-118857-1		08/23/2016 16:08	1	T1332076.D	CLP-2 0.53(mm)
460-118857-1		08/23/2016 16:08	1	T1332076.D	Rtx-CLP 0.53(mm)
460-118857-2		08/23/2016 16:23	1	T1332077.D	CLP-2 0.53(mm)
460-118857-2		08/23/2016 16:23	1	T1332077.D	Rtx-CLP 0.53(mm)
460-118857-3		08/23/2016 16:38	1	T1332078.D	CLP-2 0.53(mm)
460-118857-3		08/23/2016 16:38	1	T1332078.D	Rtx-CLP 0.53(mm)
460-118857-4		08/23/2016 16:53	1	T1332079.D	CLP-2 0.53(mm)
460-118857-4		08/23/2016 16:53	1	T1332079.D	Rtx-CLP 0.53(mm)
460-118857-6		08/23/2016 17:08	1	T1332080.D	CLP-2 0.53(mm)
460-118857-6		08/23/2016 17:08	1	T1332080.D	Rtx-CLP 0.53(mm)
460-118857-7		08/23/2016 17:23	1	T1332081.D	CLP-2 0.53(mm)
460-118857-7		08/23/2016 17:23	1	T1332081.D	Rtx-CLP 0.53(mm)
460-118857-8		08/23/2016 17:38	1	T1332082.D	CLP-2 0.53(mm)
460-118857-8		08/23/2016 17:38	1	T1332082.D	Rtx-CLP 0.53(mm)
460-118857-9		08/23/2016 17:52	1	T1332083.D	CLP-2 0.53(mm)
460-118857-9		08/23/2016 17:52	1	T1332083.D	Rtx-CLP 0.53(mm)
460-118857-10		08/23/2016 18:07	1	T1332084.D	CLP-2 0.53(mm)
460-118857-10		08/23/2016 18:07	1	T1332084.D	Rtx-CLP 0.53(mm)
460-118857-11		08/23/2016 18:22	1	T1332085.D	CLP-2 0.53(mm)
460-118857-11		08/23/2016 18:22	1	T1332085.D	Rtx-CLP 0.53(mm)
460-118857-12		08/23/2016 18:37	1	T1332086.D	CLP-2 0.53(mm)
460-118857-12		08/23/2016 18:37	1	T1332086.D	Rtx-CLP 0.53(mm)
460-118857-13		08/23/2016 18:52	1	T1332087.D	CLP-2 0.53(mm)
460-118857-13		08/23/2016 18:52	1	T1332087.D	Rtx-CLP 0.53(mm)
460-118857-14		08/23/2016 19:07	1	T1332088.D	CLP-2 0.53(mm)
460-118857-14		08/23/2016 19:07	1	T1332088.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 19:22	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 19:22	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 19:37	1		CLP-2 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 08/23/2016 14:00

Analysis Batch Number: 386327 End Date: 08/24/2016 04:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/23/2016 19:37	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 19:52	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 19:52	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 20:06	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 20:06	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 20:21	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 20:21	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 20:36	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 20:36	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 20:51	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 20:51	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 21:06	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 21:06	1		Rtx-CLP 0.53(mm)
CCV 460-386327/30		08/23/2016 21:21	1	T1332097.D	CLP-2 0.53(mm)
CCV 460-386327/30		08/23/2016 21:21	1	T1332097.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 21:36	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 21:36	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 21:51	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 21:51	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 22:06	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 22:06	1		Rtx-CLP 0.53(mm)
CCVIS 460-386327/34		08/23/2016 22:21	1		CLP-2 0.53(mm)
CCVIS 460-386327/34		08/23/2016 22:21	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 22:41	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 22:41	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 22:56	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 22:56	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 23:11	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 23:11	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 23:26	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 23:26	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 23:41	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 23:41	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 23:55	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 23:55	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 00:10	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 00:10	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 00:25	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 00:25	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 00:40	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 00:40	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 00:55	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 00:55	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 01:10	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 01:25	1		CLP-2 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 08/23/2016 14:00

Analysis Batch Number: 386327 End Date: 08/24/2016 04:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/24/2016 01:25	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 01:40	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 01:40	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 01:55	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 01:55	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 02:09	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 02:09	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 02:24	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 02:24	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 02:39	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 02:39	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 02:54	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 02:54	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 03:09	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 03:09	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 03:24	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 03:24	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 03:39	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 03:39	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 03:54	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 03:54	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 04:08	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 04:08	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/24/2016 04:23	1		CLP-2 0.53(mm)
ZZZZZ		08/24/2016 04:23	1		Rtx-CLP 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CPESTGC8 Start Date: 06/14/2016 09:40

Analysis Batch Number: 373506 End Date: 06/14/2016 13:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/14/2016 09:40	1		CLP-2 0.53(mm)
ZZZZZ		06/14/2016 09:40	1		CLP-1 0.53(mm)
IC 460-373506/2		06/14/2016 10:01	1	8F012077.D	CLP-2 0.53(mm)
IC 460-373506/2		06/14/2016 10:01	1	8F012077.D	CLP-1 0.53(mm)
IC 460-373506/3		06/14/2016 10:17	1	8F012078.D	CLP-2 0.53(mm)
IC 460-373506/3		06/14/2016 10:17	1	8F012078.D	CLP-1 0.53(mm)
IC 460-373506/4 ICIS		06/14/2016 10:32	1	8F012079.D	CLP-2 0.53(mm)
IC 460-373506/4 ICIS		06/14/2016 10:32	1	8F012079.D	CLP-1 0.53(mm)
IC 460-373506/5		06/14/2016 10:48	1	8F012080.D	CLP-2 0.53(mm)
IC 460-373506/5		06/14/2016 10:48	1	8F012080.D	CLP-1 0.53(mm)
IC 460-373506/6		06/14/2016 11:04	1	8F012081.D	CLP-2 0.53(mm)
IC 460-373506/6		06/14/2016 11:04	1	8F012081.D	CLP-1 0.53(mm)
ICV 460-373506/7		06/14/2016 11:20	1	8F012082.D	CLP-2 0.53(mm)
ICV 460-373506/7		06/14/2016 11:20	1	8F012082.D	CLP-1 0.53(mm)
IC 460-373506/8		06/14/2016 11:36	1	8F012083.D	CLP-2 0.53(mm)
IC 460-373506/8		06/14/2016 11:36	1	8F012083.D	CLP-1 0.53(mm)
IC 460-373506/9		06/14/2016 11:52	1	8F012084.D	CLP-2 0.53(mm)
IC 460-373506/9		06/14/2016 11:52	1	8F012084.D	CLP-1 0.53(mm)
IC 460-373506/10		06/14/2016 12:08	1	8F012085.D	CLP-2 0.53(mm)
IC 460-373506/10		06/14/2016 12:08	1	8F012085.D	CLP-1 0.53(mm)
IC 460-373506/11		06/14/2016 12:24	1	8F012086.D	CLP-2 0.53(mm)
IC 460-373506/11		06/14/2016 12:24	1	8F012086.D	CLP-1 0.53(mm)
IC 460-373506/12		06/14/2016 12:40	1	8F012087.D	CLP-2 0.53(mm)
IC 460-373506/12		06/14/2016 12:40	1	8F012087.D	CLP-1 0.53(mm)
IC 460-373506/13		06/14/2016 12:56	1	8F012088.D	CLP-2 0.53(mm)
IC 460-373506/13		06/14/2016 12:56	1	8F012088.D	CLP-1 0.53(mm)
IC 460-373506/14		06/14/2016 13:12	1	8F012089.D	CLP-2 0.53(mm)
IC 460-373506/14		06/14/2016 13:12	1	8F012089.D	CLP-1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CPESTGC8 Start Date: 08/23/2016 07:00

Analysis Batch Number: 386237 End Date: 08/23/2016 12:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/23/2016 07:00	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 07:00	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 07:16	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 07:16	1		Rtx-CLP 0.53(mm)
CCVIS 460-386237/3		08/23/2016 07:35	1	8F013518.D	CLP-2 0.53(mm)
CCVIS 460-386237/3		08/23/2016 07:35	1	8F013518.D	Rtx-CLP 0.53(mm)
MB 460-386152/1-A		08/23/2016 07:59	1	8F013519.D	CLP-2 0.53(mm)
MB 460-386152/1-A		08/23/2016 07:59	1	8F013519.D	Rtx-CLP 0.53(mm)
LCS 460-386152/2-A		08/23/2016 08:15	1	8F013520.D	CLP-2 0.53(mm)
LCS 460-386152/2-A		08/23/2016 08:15	1	8F013520.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 08:31	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 08:31	1		Rtx-CLP 0.53(mm)
460-118778-K-10-A MS		08/23/2016 08:46	1	8F013522.D	CLP-2 0.53(mm)
460-118778-K-10-A MS		08/23/2016 08:46	1	8F013522.D	Rtx-CLP 0.53(mm)
460-118778-J-10-C MSD		08/23/2016 09:02	1	8F013523.D	CLP-2 0.53(mm)
460-118778-J-10-C MSD		08/23/2016 09:02	1	8F013523.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 09:18	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 09:18	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 09:34	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 09:34	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 09:50	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 09:50	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 10:06	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 10:06	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 10:22	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 10:22	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 10:38	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 10:38	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 10:54	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 10:54	1		Rtx-CLP 0.53(mm)
460-118926-8		08/23/2016 11:09	1	8F013531.D	CLP-2 0.53(mm)
460-118926-8		08/23/2016 11:09	1	8F013531.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 11:25	5		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 11:25	5		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 11:41	10		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 11:41	10		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 11:57	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 11:57	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 12:13	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 12:13	1		Rtx-CLP 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CPESTGC8 Start Date: 08/23/2016 12:38

Analysis Batch Number: 386320 End Date: 08/23/2016 21:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/23/2016 12:38	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 12:38	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 12:54	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 12:54	1		Rtx-CLP 0.53(mm)
CCVIS 460-386320/3		08/23/2016 13:16	1	8F013538.D	CLP-2 0.53(mm)
CCVIS 460-386320/3		08/23/2016 13:16	1	8F013538.D	Rtx-CLP 0.53(mm)
MB 460-386175/1-A		08/23/2016 13:35	1	8F013539.D	CLP-2 0.53(mm)
MB 460-386175/1-A		08/23/2016 13:35	1	8F013539.D	Rtx-CLP 0.53(mm)
LCS 460-386175/2-A		08/23/2016 13:51	1	8F013540.D	CLP-2 0.53(mm)
LCS 460-386175/2-A		08/23/2016 13:51	1	8F013540.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 14:15	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 14:15	1		Rtx-CLP 0.53(mm)
460-118952-E-5-A MS		08/23/2016 14:31	1	8F013542.D	CLP-2 0.53(mm)
460-118952-E-5-A MS		08/23/2016 14:31	1	8F013542.D	Rtx-CLP 0.53(mm)
460-118952-D-5-C MSD		08/23/2016 14:46	1	8F013543.D	CLP-2 0.53(mm)
460-118952-D-5-C MSD		08/23/2016 14:46	1	8F013543.D	Rtx-CLP 0.53(mm)
460-118926-1		08/23/2016 15:02	1	8F013544.D	CLP-2 0.53(mm)
460-118926-1		08/23/2016 15:02	1	8F013544.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 15:18	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 15:18	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 15:34	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 15:34	1		Rtx-CLP 0.53(mm)
460-118926-2		08/23/2016 15:50	1	8F013547.D	CLP-2 0.53(mm)
460-118926-2		08/23/2016 15:50	1	8F013547.D	Rtx-CLP 0.53(mm)
460-118926-3		08/23/2016 16:06	1	8F013548.D	CLP-2 0.53(mm)
460-118926-3		08/23/2016 16:06	1	8F013548.D	Rtx-CLP 0.53(mm)
460-118926-4		08/23/2016 16:22	1	8F013549.D	CLP-2 0.53(mm)
460-118926-4		08/23/2016 16:22	1	8F013549.D	Rtx-CLP 0.53(mm)
460-118926-5		08/23/2016 16:38	1	8F013550.D	CLP-2 0.53(mm)
460-118926-5		08/23/2016 16:38	1	8F013550.D	Rtx-CLP 0.53(mm)
460-118926-6		08/23/2016 16:54	1	8F013551.D	CLP-2 0.53(mm)
460-118926-6		08/23/2016 16:54	1	8F013551.D	Rtx-CLP 0.53(mm)
460-118926-7		08/23/2016 17:10	1	8F013552.D	CLP-2 0.53(mm)
460-118926-7		08/23/2016 17:10	1	8F013552.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 17:26	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 17:26	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 17:41	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 17:41	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 17:57	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 17:57	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 18:13	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 18:13	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 18:29	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 18:29	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 18:45	1		CLP-2 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: CPESTGC8 Start Date: 08/23/2016 12:38

Analysis Batch Number: 386320 End Date: 08/23/2016 21:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/23/2016 18:45	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 19:01	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 19:01	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 19:17	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 19:17	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 19:33	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 19:33	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 19:49	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 19:49	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 20:05	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 20:05	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 20:21	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 20:21	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 20:36	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 20:36	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 20:52	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 20:52	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 21:08	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 21:08	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/23/2016 21:24	1		CLP-2 0.53(mm)
ZZZZZ		08/23/2016 21:24	1		Rtx-CLP 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386152 Batch Start Date: 08/22/16 19:33 Batch Analyst: Rivera, Rene A

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	OP_PCB SP_LVI 00009	OPPSPCBSU_LVI 00011	
MB 460-386152/1		3510C, 8082A		7 SU	250 mL	1 mL		50 uL	
LCS 460-386152/2		3510C, 8082A		7 SU	250 mL	1 mL	50 uL	50 uL	
460-118778-K-10 MS		3510C, 8082A	T	7 SU	250 mL	1 mL	50 uL	50 uL	
460-118778-J-10 MSD		3510C, 8082A	T	7 SU	250 mL	1 mL	50 uL	50 uL	
460-118926-H-8	FB08192016	3510C, 8082A	T	5 SU	250 mL	1 mL		50 uL	

Batch Notes	
Batch Comment	8082 PCB LVI
Analyst ID - Concentration	RAR
Exchange Solvent ID	143600
Exchange Solvent Name	Hexane
N-evap ID	222299
N-evap Temperature	35 Celsius
Na2SO4 ID	523501
Prep Solvent ID	148004
Prep Solvent Name	MECL2
Prep Solvent Volume Used	60 mL
Person's name who did the prep	RAR
Analyst ID - Spike Analyst	RAR
Sufficient volume for MS/MSD?	Yes
Uncorrected N-evap Temperature	35 Celsius

Basis	Basis Description
T	Total/NA

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

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386173 Batch Start Date: 08/22/16 22:48 Batch Analyst: Alinea, Archilles R

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_PCBSP 00032	OPPSTPCBSURR 00008		
MB 460-386173/1		3546, 8082A		15.0000 g	10 mL		50 uL		
LCS 460-386173/2		3546, 8082A		15.0000 g	10 mL	50 uL	50 uL		
460-118857-F-5 MS	SB-8 (2-4) 08182016	3546, 8082A	T	15.0088 g	10 mL	50 uL	50 uL		
460-118857-F-5 MSD	SB-8 (2-4) 08182016	3546, 8082A	T	15.0139 g	10 mL	50 uL	50 uL		
460-118857-F-1	SB-10 (2-4) 08182016	3546, 8082A	T	15.0078 g	10 mL		50 uL		
460-118857-F-2	SB-10 (13-15) 08182016	3546, 8082A	T	15.0117 g	10 mL		50 uL		
460-118857-E-3	SB-9 (2-4) 08182016	3546, 8082A	T	15.0033 g	10 mL		50 uL		
460-118857-F-4	SB-9 (12-14) 08182016	3546, 8082A	T	15.0071 g	10 mL		50 uL		
460-118857-F-5	SB-8 (2-4) 08182016	3546, 8082A	T	15.0099 g	10 mL		50 uL		
460-118857-F-6	SB-8 (13-15) 08182016	3546, 8082A	T	15.0067 g	10 mL		50 uL		
460-118857-E-7	SB-4 (3-5) 08182016	3546, 8082A	T	15.0050 g	10 mL		50 uL		
460-118857-F-8	SB-4 (11-13) 08182016	3546, 8082A	T	15.0028 g	10 mL		50 uL		
460-118857-E-9	SB-6 (2-4) 08182016	3546, 8082A	T	15.0119 g	10 mL		50 uL		
460-118857-E-10	SB-6 (13-15) 08182016	3546, 8082A	T	15.0447 g	10 mL		50 uL		
460-118857-E-11	SB-5 (2-4) 08182016	3546, 8082A	T	15.0103 g	10 mL		50 uL		
460-118857-F-12	SB-5 (13-15) 08182016	3546, 8082A	T	15.0043 g	10 mL		50 uL		
460-118857-E-13	SB-7 (2-4) 08182016	3546, 8082A	T	15.0133 g	10 mL		50 uL		
460-118857-E-14	SB-7 (13-15) 08182016	3546, 8082A	T	15.0041 g	10 mL		50 uL		

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

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386173 Batch Start Date: 08/22/16 22:48 Batch Analyst: Alinea, Archilles R

Batch Method: 3546 Batch End Date:

Batch Notes	
Acid used for Clean Up ID	143508
Balance ID	A1
Batch Comment	PCB-SOIL
Analyst ID - Concentration	archie
Exchange Solvent ID	143600
Exchange Solvent Name	hexane
Final Concentrator Volume	10 mL
Hexane ID	143600
MeCl2 / Acetone ID	140899
Microwave Start Time	4am
Microwave Stop Time	4:30am
Na2SO4 ID	433101 (Silica Sand Lot #523501)
Person's name who did the prep	archie
Analyst ID - Spike Analyst	archie
TBA ID	(SW3665) LOT# 1826
Water Bath Temperature	n-evap temp. uncorrected 37c

Basis	Basis Description
T	Total/NA

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

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386175 Batch Start Date: 08/22/16 22:55 Batch Analyst: Alinea, Archilles R

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_PCBSP 00032	OPPSTPCBSURR 00008		
MB 460-386175/1		3546, 8082A		15.0000 g	10 mL		50 uL		
LCS 460-386175/2		3546, 8082A		15.0000 g	10 mL	50 uL	50 uL		
460-118952-E-5 MS		3546, 8082A	T	15.0073 g	10 mL	50 uL	50 uL		
460-118952-D-5 MSD		3546, 8082A	T	15.0081 g	10 mL	50 uL	50 uL		
460-118926-F-1	SB-1(2-4) -08192016	3546, 8082A	T	15.0311 g	10 mL		50 uL		
460-118926-F-2	SB-1(12-14) -08192016	3546, 8082A	T	15.0043 g	10 mL		50 uL		
460-118926-E-3	SB-2(2-4)08192016	3546, 8082A	T	15.0414 g	10 mL		50 uL		
460-118926-E-4	SB-2(10-12)08192016	3546, 8082A	T	15.0059 g	10 mL		50 uL		
460-118926-E-5	SB-3(2-4)08192016	3546, 8082A	T	15.0093 g	10 mL		50 uL		
460-118926-E-6	SB-3(13-15)08192016	3546, 8082A	T	15.0077 g	10 mL		50 uL		
460-118926-E-7	SB-X08192016	3546, 8082A	T	15.0080 g	10 mL		50 uL		

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

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386175 Batch Start Date: 08/22/16 22:55 Batch Analyst: Alinea, Archilles R

Batch Method: 3546 Batch End Date:

Batch Notes	
Acid used for Clean Up ID	143508
Balance ID	A1
Batch Comment	PCB-SOIL
Analyst ID - Concentration	archie
Exchange Solvent ID	143600
Exchange Solvent Name	hexane
Final Concentrator Volume	10 mL
Hexane ID	143600
MeCl2 / Acetone ID	140899
Microwave Start Time	4am
Microwave Stop Time	4:30am
Na2SO4 ID	433101 (Silica Sand Lot #523501)
Person's name who did the prep	archie
Analyst ID - Spike Analyst	archie
TBA ID	(SW3665) LOT# 1826
Water Bath Temperature	n-evap temp. uncorrected 37c

Basis	Basis Description
T	Total/NA

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

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG No.:

Project: 85 Jay Street

Client Sample ID	Lab Sample ID
SB-10 (2-4) 08182016	460-118857-1
SB-10 (13-15) 08182016	460-118857-2
SB-9 (2-4) 08182016	460-118857-3
SB-9 (12-14) 08182016	460-118857-4
SB-8 (2-4) 08182016	460-118857-5
SB-8 (13-15) 08182016	460-118857-6
SB-4 (3-5) 08182016	460-118857-7
SB-4 (11-13) 08182016	460-118857-8
SB-6 (2-4) 08182016	460-118857-9
SB-6 (13-15) 08182016	460-118857-10
SB-5 (2-4) 08182016	460-118857-11
SB-5 (13-15) 08182016	460-118857-12
SB-7 (2-4) 08182016	460-118857-13
SB-7 (13-15) 08182016	460-118857-14
SB-1(2-4)-08192016	460-118926-1
SB-1(12-14)-08192016	460-118926-2
SB-2(2-4)08192016	460-118926-3
SB-2(10-12)08192016	460-118926-4
SB-3(2-4)08192016	460-118926-5
SB-3(13-15)08192016	460-118926-6
SB-X08192016	460-118926-7
FB08192016	460-118926-8

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-10 (2-4) 08182016 Lab Sample ID: 460-118857-1

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 08:30

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 88.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8230	36.9	19.0	mg/Kg			4	6010C
7440-36-0	Antimony	3.7	3.7	1.5	mg/Kg	U		4	6010C
7440-38-2	Arsenic	3.0	2.8	0.91	mg/Kg			4	6010C
7440-39-3	Barium	187	36.9	1.3	mg/Kg			4	6010C
7440-41-7	Beryllium	0.37	0.37	0.31	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.74	0.74	0.38	mg/Kg	U		4	6010C
7440-70-2	Calcium	65100	2310	137	mg/Kg			10	6010C
7440-47-3	Chromium	18.6	1.8	0.89	mg/Kg			4	6010C
7440-48-4	Cobalt	3.6	9.2	1.1	mg/Kg	J		4	6010C
7440-50-8	Copper	15.7	4.6	1.2	mg/Kg			4	6010C
7439-89-6	Iron	11700	27.7	20.8	mg/Kg			4	6010C
7439-92-1	Lead	105	1.8	0.72	mg/Kg			4	6010C
7439-95-4	Magnesium	4450	922	46.0	mg/Kg			4	6010C
7439-96-5	Manganese	190	2.8	0.97	mg/Kg			4	6010C
7440-02-0	Nickel	13.1	7.4	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	1230	922	27.9	mg/Kg			4	6010C
7782-49-2	Selenium	3.7	3.7	1.3	mg/Kg	U		4	6010C
7440-22-4	Silver	0.41	1.8	0.33	mg/Kg	J		4	6010C
7440-23-5	Sodium	298	922	62.4	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.7	3.7	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	18.9	9.2	0.92	mg/Kg			4	6010C
7440-66-6	Zinc	171	5.5	1.3	mg/Kg			4	6010C
7439-97-6	Mercury	0.25	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-10 (13-15) 08182016 Lab Sample ID: 460-118857-2

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 08:56

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 97.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3560	31.4	16.2	mg/Kg			4	6010C
7440-36-0	Antimony	3.1	3.1	1.2	mg/Kg	U		4	6010C
7440-38-2	Arsenic	2.4	2.4	0.77	mg/Kg	U		4	6010C
7440-39-3	Barium	69.3	31.4	1.1	mg/Kg			4	6010C
7440-41-7	Beryllium	0.31	0.31	0.27	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.63	0.63	0.33	mg/Kg	U		4	6010C
7440-70-2	Calcium	4340	784	46.4	mg/Kg			4	6010C
7440-47-3	Chromium	14.4	1.6	0.76	mg/Kg			4	6010C
7440-48-4	Cobalt	7.6	7.8	0.90	mg/Kg	J		4	6010C
7440-50-8	Copper	15.6	3.9	1.0	mg/Kg			4	6010C
7439-89-6	Iron	11100	23.5	17.7	mg/Kg			4	6010C
7439-92-1	Lead	1.6	1.6	0.62	mg/Kg	U		4	6010C
7439-95-4	Magnesium	4930	784	39.1	mg/Kg			4	6010C
7439-96-5	Manganese	392	2.4	0.82	mg/Kg			4	6010C
7440-02-0	Nickel	47.3	6.3	1.1	mg/Kg			4	6010C
7440-09-7	Potassium	742	784	23.8	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.1	3.1	1.1	mg/Kg	U		4	6010C
7440-22-4	Silver	1.6	1.6	0.28	mg/Kg	U		4	6010C
7440-23-5	Sodium	73.4	784	53.1	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.1	3.1	1.4	mg/Kg	U		4	6010C
7440-62-2	Vanadium	17.9	7.8	0.78	mg/Kg			4	6010C
7440-66-6	Zinc	46.5	4.7	1.1	mg/Kg			4	6010C
7439-97-6	Mercury	0.017	0.017	0.012	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-9 (2-4) 08182016 Lab Sample ID: 460-118857-3

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 09:31

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 86.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5760	37.5	19.3	mg/Kg			4	6010C
7440-36-0	Antimony	3.7	3.7	1.5	mg/Kg	U		4	6010C
7440-38-2	Arsenic	4.1	2.8	0.92	mg/Kg			4	6010C
7440-39-3	Barium	91.3	37.5	1.3	mg/Kg			4	6010C
7440-41-7	Beryllium	0.37	0.37	0.32	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.75	0.75	0.39	mg/Kg	U		4	6010C
7440-70-2	Calcium	78900	2340	139	mg/Kg			10	6010C
7440-47-3	Chromium	12.1	1.9	0.91	mg/Kg			4	6010C
7440-48-4	Cobalt	3.1	9.4	1.1	mg/Kg	J		4	6010C
7440-50-8	Copper	31.0	4.7	1.2	mg/Kg			4	6010C
7439-89-6	Iron	10500	28.1	21.2	mg/Kg			4	6010C
7439-92-1	Lead	99.8	1.9	0.74	mg/Kg			4	6010C
7439-95-4	Magnesium	15600	936	46.7	mg/Kg			4	6010C
7439-96-5	Manganese	166	2.8	0.98	mg/Kg			4	6010C
7440-02-0	Nickel	11.4	7.5	1.4	mg/Kg			4	6010C
7440-09-7	Potassium	913	936	28.4	mg/Kg	J		4	6010C
7782-49-2	Selenium	1.5	3.7	1.3	mg/Kg	J		4	6010C
7440-22-4	Silver	1.9	1.9	0.33	mg/Kg	U		4	6010C
7440-23-5	Sodium	200	936	63.4	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.7	3.7	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	23.3	9.4	0.94	mg/Kg			4	6010C
7440-66-6	Zinc	141	5.6	1.4	mg/Kg			4	6010C
7439-97-6	Mercury	0.12	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-9 (12-14) 08182016 Lab Sample ID: 460-118857-4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 09:43

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 96.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5800	30.9	15.9	mg/Kg			4	6010C
7440-36-0	Antimony	3.1	3.1	1.2	mg/Kg	U		4	6010C
7440-38-2	Arsenic	1.0	2.3	0.76	mg/Kg	J		4	6010C
7440-39-3	Barium	55.0	30.9	1.1	mg/Kg			4	6010C
7440-41-7	Beryllium	0.31	0.31	0.26	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.62	0.62	0.32	mg/Kg	U		4	6010C
7440-70-2	Calcium	3220	771	45.7	mg/Kg			4	6010C
7440-47-3	Chromium	15.9	1.5	0.75	mg/Kg			4	6010C
7440-48-4	Cobalt	5.7	7.7	0.89	mg/Kg	J		4	6010C
7440-50-8	Copper	9.5	3.9	1.0	mg/Kg			4	6010C
7439-89-6	Iron	11100	23.1	17.4	mg/Kg			4	6010C
7439-92-1	Lead	0.72	1.5	0.61	mg/Kg	J		4	6010C
7439-95-4	Magnesium	5000	771	38.5	mg/Kg			4	6010C
7439-96-5	Manganese	441	2.3	0.81	mg/Kg			4	6010C
7440-02-0	Nickel	34.2	6.2	1.1	mg/Kg			4	6010C
7440-09-7	Potassium	829	771	23.4	mg/Kg			4	6010C
7782-49-2	Selenium	3.1	3.1	1.1	mg/Kg	U		4	6010C
7440-22-4	Silver	1.5	1.5	0.27	mg/Kg	U		4	6010C
7440-23-5	Sodium	183	771	52.2	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.1	3.1	1.4	mg/Kg	U		4	6010C
7440-62-2	Vanadium	24.8	7.7	0.77	mg/Kg			4	6010C
7440-66-6	Zinc	53.3	4.6	1.1	mg/Kg			4	6010C
7439-97-6	Mercury	0.016	0.016	0.011	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-8 (2-4) 08182016 Lab Sample ID: 460-118857-5

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 10:44

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 95.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7470	36.0	18.5	mg/Kg			4	6010C
7440-36-0	Antimony	3.6	3.6	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	4.2	2.7	0.88	mg/Kg			4	6010C
7440-39-3	Barium	200	36.0	1.3	mg/Kg			4	6010C
7440-41-7	Beryllium	0.36	0.36	0.31	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.72	0.72	0.38	mg/Kg	U		4	6010C
7440-70-2	Calcium	52600	2250	133	mg/Kg			10	6010C
7440-47-3	Chromium	17.2	1.8	0.87	mg/Kg			4	6010C
7440-48-4	Cobalt	4.5	9.0	1.0	mg/Kg	J		4	6010C
7440-50-8	Copper	20.0	4.5	1.2	mg/Kg			4	6010C
7439-89-6	Iron	11300	27.0	20.3	mg/Kg			4	6010C
7439-92-1	Lead	363	4.5	1.8	mg/Kg			10	6010C
7439-95-4	Magnesium	4930	900	44.9	mg/Kg			4	6010C
7439-96-5	Manganese	256	2.7	0.95	mg/Kg			4	6010C
7440-02-0	Nickel	12.7	7.2	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	1330	900	27.3	mg/Kg			4	6010C
7782-49-2	Selenium	3.6	3.6	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.8	1.8	0.32	mg/Kg	U		4	6010C
7440-23-5	Sodium	276	900	60.9	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.6	3.6	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	19.2	9.0	0.90	mg/Kg			4	6010C
7440-66-6	Zinc	208	5.4	1.3	mg/Kg			4	6010C
7439-97-6	Mercury	0.14	0.017	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-8 (13-15) 08182016 Lab Sample ID: 460-118857-6

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 10:50

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 88.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7390	35.0	18.0	mg/Kg			4	6010C
7440-36-0	Antimony	3.5	3.5	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	4.0	2.6	0.86	mg/Kg			4	6010C
7440-39-3	Barium	80.6	35.0	1.3	mg/Kg			4	6010C
7440-41-7	Beryllium	0.35	0.35	0.30	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.70	0.70	0.36	mg/Kg	U		4	6010C
7440-70-2	Calcium	13700	875	51.8	mg/Kg			4	6010C
7440-47-3	Chromium	15.3	1.7	0.85	mg/Kg			4	6010C
7440-48-4	Cobalt	6.5	8.7	1.0	mg/Kg	J		4	6010C
7440-50-8	Copper	24.7	4.4	1.1	mg/Kg			4	6010C
7439-89-6	Iron	16800	26.2	19.8	mg/Kg			4	6010C
7439-92-1	Lead	2840	4.4	1.7	mg/Kg			10	6010C
7439-95-4	Magnesium	4630	875	43.7	mg/Kg			4	6010C
7439-96-5	Manganese	329	2.6	0.92	mg/Kg			4	6010C
7440-02-0	Nickel	18.4	7.0	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	1670	875	26.5	mg/Kg			4	6010C
7782-49-2	Selenium	3.5	3.5	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	0.48	1.7	0.31	mg/Kg	J		4	6010C
7440-23-5	Sodium	192	875	59.2	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.5	3.5	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	22.9	8.7	0.87	mg/Kg			4	6010C
7440-66-6	Zinc	93.5	5.2	1.3	mg/Kg			4	6010C
7439-97-6	Mercury	0.15	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-4 (3-5) 08182016 Lab Sample ID: 460-118857-7

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 11:38

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 92.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6560	33.4	17.2	mg/Kg			4	6010C
7440-36-0	Antimony	3.3	3.3	1.3	mg/Kg	U		4	6010C
7440-38-2	Arsenic	6.7	2.5	0.82	mg/Kg			4	6010C
7440-39-3	Barium	117	33.4	1.2	mg/Kg			4	6010C
7440-41-7	Beryllium	0.33	0.33	0.28	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.67	0.67	0.35	mg/Kg	U		4	6010C
7440-70-2	Calcium	10400	835	49.5	mg/Kg			4	6010C
7440-47-3	Chromium	25.6	1.7	0.81	mg/Kg			4	6010C
7440-48-4	Cobalt	7.9	8.4	0.96	mg/Kg	J		4	6010C
7440-50-8	Copper	36.2	4.2	1.1	mg/Kg			4	6010C
7439-89-6	Iron	18600	25.1	18.9	mg/Kg			4	6010C
7439-92-1	Lead	774	1.7	0.66	mg/Kg			4	6010C
7439-95-4	Magnesium	5560	835	41.7	mg/Kg			4	6010C
7439-96-5	Manganese	282	2.5	0.88	mg/Kg			4	6010C
7440-02-0	Nickel	32.5	6.7	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	1700	835	25.3	mg/Kg			4	6010C
7782-49-2	Selenium	3.3	3.3	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	0.51	1.7	0.29	mg/Kg	J		4	6010C
7440-23-5	Sodium	219	835	56.6	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.3	3.3	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	22.2	8.4	0.84	mg/Kg			4	6010C
7440-66-6	Zinc	134	5.0	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.76	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-4 (11-13) 08182016 Lab Sample ID: 460-118857-8

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 11:52

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 80.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9350	38.5	19.8	mg/Kg			4	6010C
7440-36-0	Antimony	3.8	3.8	1.5	mg/Kg	U		4	6010C
7440-38-2	Arsenic	1.9	2.9	0.95	mg/Kg	J		4	6010C
7440-39-3	Barium	98.1	38.5	1.4	mg/Kg			4	6010C
7440-41-7	Beryllium	0.38	0.38	0.33	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.77	0.77	0.40	mg/Kg	U		4	6010C
7440-70-2	Calcium	4800	962	57.0	mg/Kg			4	6010C
7440-47-3	Chromium	23.9	1.9	0.93	mg/Kg			4	6010C
7440-48-4	Cobalt	10.3	9.6	1.1	mg/Kg			4	6010C
7440-50-8	Copper	28.7	4.8	1.3	mg/Kg			4	6010C
7439-89-6	Iron	21800	28.9	21.7	mg/Kg			4	6010C
7439-92-1	Lead	684	1.9	0.76	mg/Kg			4	6010C
7439-95-4	Magnesium	5730	962	48.0	mg/Kg			4	6010C
7439-96-5	Manganese	400	2.9	1.0	mg/Kg			4	6010C
7440-02-0	Nickel	24.9	7.7	1.4	mg/Kg			4	6010C
7440-09-7	Potassium	3570	962	29.2	mg/Kg			4	6010C
7782-49-2	Selenium	3.8	3.8	1.3	mg/Kg	U		4	6010C
7440-22-4	Silver	0.61	1.9	0.34	mg/Kg	J		4	6010C
7440-23-5	Sodium	200	962	65.1	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.8	3.8	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	34.1	9.6	0.96	mg/Kg			4	6010C
7440-66-6	Zinc	90.8	5.8	1.4	mg/Kg			4	6010C
7439-97-6	Mercury	0.43	0.019	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-6 (2-4) 08182016 Lab Sample ID: 460-118857-9

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 12:33

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 93.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6830	35.0	18.0	mg/Kg			4	6010C
7440-36-0	Antimony	3.5	3.5	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	3.0	2.6	0.86	mg/Kg			4	6010C
7440-39-3	Barium	78.1	35.0	1.3	mg/Kg			4	6010C
7440-41-7	Beryllium	0.35	0.35	0.30	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.43	0.70	0.36	mg/Kg	J		4	6010C
7440-70-2	Calcium	13200	874	51.8	mg/Kg			4	6010C
7440-47-3	Chromium	16.4	1.7	0.85	mg/Kg			4	6010C
7440-48-4	Cobalt	6.0	8.7	1.0	mg/Kg	J		4	6010C
7440-50-8	Copper	21.6	4.4	1.1	mg/Kg			4	6010C
7439-89-6	Iron	14900	26.2	19.8	mg/Kg			4	6010C
7439-92-1	Lead	10600	17.5	6.9	mg/Kg			40	6010C
7439-95-4	Magnesium	4310	874	43.6	mg/Kg			4	6010C
7439-96-5	Manganese	344	2.6	0.92	mg/Kg			4	6010C
7440-02-0	Nickel	19.0	7.0	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	1580	874	26.5	mg/Kg			4	6010C
7782-49-2	Selenium	3.5	3.5	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	0.49	1.7	0.31	mg/Kg	J		4	6010C
7440-23-5	Sodium	215	874	59.2	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.5	3.5	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	19.3	8.7	0.87	mg/Kg			4	6010C
7440-66-6	Zinc	224	5.2	1.3	mg/Kg			4	6010C
7439-97-6	Mercury	0.29	0.017	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-6 (13-15) 08182016 Lab Sample ID: 460-118857-10

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 12:55

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 95.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3800	34.2	17.6	mg/Kg			4	6010C
7440-36-0	Antimony	3.4	3.4	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	1.3	2.6	0.84	mg/Kg	J		4	6010C
7440-39-3	Barium	35.4	34.2	1.2	mg/Kg			4	6010C
7440-41-7	Beryllium	0.34	0.34	0.29	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.68	0.68	0.36	mg/Kg	U		4	6010C
7440-70-2	Calcium	2720	855	50.6	mg/Kg			4	6010C
7440-47-3	Chromium	21.8	1.7	0.83	mg/Kg			4	6010C
7440-48-4	Cobalt	5.7	8.5	0.98	mg/Kg	J		4	6010C
7440-50-8	Copper	16.1	4.3	1.1	mg/Kg			4	6010C
7439-89-6	Iron	9500	25.6	19.3	mg/Kg			4	6010C
7439-92-1	Lead	4.1	1.7	0.67	mg/Kg			4	6010C
7439-95-4	Magnesium	2320	855	42.6	mg/Kg			4	6010C
7439-96-5	Manganese	263	2.6	0.90	mg/Kg			4	6010C
7440-02-0	Nickel	9.5	6.8	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	857	855	25.9	mg/Kg			4	6010C
7782-49-2	Selenium	3.4	3.4	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.7	1.7	0.30	mg/Kg	U		4	6010C
7440-23-5	Sodium	178	855	57.9	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.4	3.4	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	14.5	8.5	0.85	mg/Kg			4	6010C
7440-66-6	Zinc	25.8	5.1	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.016	0.016	0.012	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-5 (2-4) 08182016 Lab Sample ID: 460-118857-11

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 13:58

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 97.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2750	32.1	16.5	mg/Kg			4	6010C
7440-36-0	Antimony	3.2	3.2	1.3	mg/Kg	U		4	6010C
7440-38-2	Arsenic	0.83	2.4	0.79	mg/Kg	J		4	6010C
7440-39-3	Barium	21.9	32.1	1.1	mg/Kg	J		4	6010C
7440-41-7	Beryllium	0.32	0.32	0.27	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.64	0.64	0.33	mg/Kg	U		4	6010C
7440-70-2	Calcium	1940	802	47.5	mg/Kg			4	6010C
7440-47-3	Chromium	5.5	1.6	0.78	mg/Kg			4	6010C
7440-48-4	Cobalt	2.5	8.0	0.92	mg/Kg	J		4	6010C
7440-50-8	Copper	5.7	4.0	1.0	mg/Kg			4	6010C
7439-89-6	Iron	6370	24.1	18.1	mg/Kg			4	6010C
7439-92-1	Lead	15.6	1.6	0.63	mg/Kg			4	6010C
7439-95-4	Magnesium	1880	802	40.0	mg/Kg			4	6010C
7439-96-5	Manganese	229	2.4	0.84	mg/Kg			4	6010C
7440-02-0	Nickel	9.3	6.4	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	630	802	24.3	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.2	3.2	1.1	mg/Kg	U		4	6010C
7440-22-4	Silver	1.6	1.6	0.28	mg/Kg	U		4	6010C
7440-23-5	Sodium	82.2	802	54.3	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.2	3.2	1.4	mg/Kg	U		4	6010C
7440-62-2	Vanadium	6.5	8.0	0.80	mg/Kg	J		4	6010C
7440-66-6	Zinc	14.6	4.8	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.016	0.016	0.011	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-5 (13-15) 08182016 Lab Sample ID: 460-118857-12

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 14:10

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 96.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4050	33.8	17.4	mg/Kg			4	6010C
7440-36-0	Antimony	3.4	3.4	1.3	mg/Kg	U		4	6010C
7440-38-2	Arsenic	0.95	2.5	0.83	mg/Kg	J		4	6010C
7440-39-3	Barium	33.3	33.8	1.2	mg/Kg	J		4	6010C
7440-41-7	Beryllium	0.34	0.34	0.29	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.68	0.68	0.35	mg/Kg	U		4	6010C
7440-70-2	Calcium	1970	844	50.0	mg/Kg			4	6010C
7440-47-3	Chromium	11.7	1.7	0.82	mg/Kg			4	6010C
7440-48-4	Cobalt	3.8	8.4	0.97	mg/Kg	J		4	6010C
7440-50-8	Copper	10.5	4.2	1.1	mg/Kg			4	6010C
7439-89-6	Iron	10900	25.3	19.1	mg/Kg			4	6010C
7439-92-1	Lead	1.7	1.7	0.66	mg/Kg	U		4	6010C
7439-95-4	Magnesium	2070	844	42.1	mg/Kg			4	6010C
7439-96-5	Manganese	244	2.5	0.89	mg/Kg			4	6010C
7440-02-0	Nickel	14.2	6.8	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	892	844	25.6	mg/Kg			4	6010C
7782-49-2	Selenium	3.4	3.4	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.7	1.7	0.30	mg/Kg	U		4	6010C
7440-23-5	Sodium	139	844	57.2	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.4	3.4	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	13.8	8.4	0.84	mg/Kg			4	6010C
7440-66-6	Zinc	27.9	5.1	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.016	0.016	0.011	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-7 (2-4) 08182016 Lab Sample ID: 460-118857-13

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 14:42

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 90.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6000	35.2	18.1	mg/Kg			4	6010C
7440-36-0	Antimony	3.5	3.5	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	2.8	2.6	0.86	mg/Kg			4	6010C
7440-39-3	Barium	62.2	35.2	1.3	mg/Kg			4	6010C
7440-41-7	Beryllium	0.35	0.35	0.30	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.70	0.70	0.37	mg/Kg	U		4	6010C
7440-70-2	Calcium	13000	879	52.1	mg/Kg			4	6010C
7440-47-3	Chromium	13.4	1.8	0.85	mg/Kg			4	6010C
7440-48-4	Cobalt	5.8	8.8	1.0	mg/Kg	J		4	6010C
7440-50-8	Copper	18.3	4.4	1.1	mg/Kg			4	6010C
7439-89-6	Iron	13500	26.4	19.9	mg/Kg			4	6010C
7439-92-1	Lead	1760	1.8	0.69	mg/Kg			4	6010C
7439-95-4	Magnesium	4420	879	43.9	mg/Kg			4	6010C
7439-96-5	Manganese	339	2.6	0.92	mg/Kg			4	6010C
7440-02-0	Nickel	16.1	7.0	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	1500	879	26.6	mg/Kg			4	6010C
7782-49-2	Selenium	3.5	3.5	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	0.38	1.8	0.31	mg/Kg	J		4	6010C
7440-23-5	Sodium	98.7	879	59.5	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.5	3.5	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	18.1	8.8	0.88	mg/Kg			4	6010C
7440-66-6	Zinc	102	5.3	1.3	mg/Kg			4	6010C
7439-97-6	Mercury	0.21	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-7 (13-15) 08182016 Lab Sample ID: 460-118857-14

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2016 14:50

Reporting Basis: DRY Date Received: 08/18/2016 17:00

% Solids: 95.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3190	34.2	17.6	mg/Kg			4	6010C
7440-36-0	Antimony	3.4	3.4	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	2.6	2.6	0.84	mg/Kg	U		4	6010C
7440-39-3	Barium	21.0	34.2	1.2	mg/Kg	J		4	6010C
7440-41-7	Beryllium	0.34	0.34	0.29	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.68	0.68	0.36	mg/Kg	U		4	6010C
7440-70-2	Calcium	889	856	50.6	mg/Kg			4	6010C
7440-47-3	Chromium	7.2	1.7	0.83	mg/Kg			4	6010C
7440-48-4	Cobalt	3.2	8.6	0.98	mg/Kg	J		4	6010C
7440-50-8	Copper	6.9	4.3	1.1	mg/Kg			4	6010C
7439-89-6	Iron	9220	25.7	19.3	mg/Kg			4	6010C
7439-92-1	Lead	1.7	1.7	0.67	mg/Kg	U		4	6010C
7439-95-4	Magnesium	1910	856	42.7	mg/Kg			4	6010C
7439-96-5	Manganese	214	2.6	0.90	mg/Kg			4	6010C
7440-02-0	Nickel	10.2	6.8	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	479	856	25.9	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.4	3.4	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.7	1.7	0.30	mg/Kg	U		4	6010C
7440-23-5	Sodium	856	856	57.9	mg/Kg	U		4	6010C
7440-28-0	Thallium	3.4	3.4	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	10	8.6	0.86	mg/Kg			4	6010C
7440-66-6	Zinc	21.5	5.1	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.017	0.017	0.012	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-1(2-4)-08192016 Lab Sample ID: 460-118926-1

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2016 08:14

Reporting Basis: DRY Date Received: 08/19/2016 16:10

% Solids: 92.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8800	32.0	16.5	mg/Kg			4	6010C
7440-36-0	Antimony	4.5	3.2	1.3	mg/Kg			4	6010C
7440-38-2	Arsenic	6.1	2.4	0.79	mg/Kg			4	6010C
7440-39-3	Barium	102	32.0	1.1	mg/Kg			4	6010C
7440-41-7	Beryllium	0.39	0.32	0.27	mg/Kg			4	6010C
7440-43-9	Cadmium	0.64	0.64	0.33	mg/Kg	U		4	6010C
7440-70-2	Calcium	12700	800	47.4	mg/Kg			4	6010C
7440-47-3	Chromium	15.8	1.6	0.77	mg/Kg			4	6010C
7440-48-4	Cobalt	6.8	8.0	0.92	mg/Kg	J		4	6010C
7440-50-8	Copper	22.3	4.0	1.0	mg/Kg			4	6010C
7439-89-6	Iron	15000	24.0	18.1	mg/Kg			4	6010C
7439-92-1	Lead	3910	8.0	3.1	mg/Kg			20	6010C
7439-95-4	Magnesium	4590	800	39.9	mg/Kg			4	6010C
7439-96-5	Manganese	425	2.4	0.84	mg/Kg			4	6010C
7440-02-0	Nickel	17.5	6.4	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	1530	800	24.3	mg/Kg			4	6010C
7782-49-2	Selenium	3.2	3.2	1.1	mg/Kg	U		4	6010C
7440-22-4	Silver	1.6	1.6	0.28	mg/Kg	U		4	6010C
7440-23-5	Sodium	381	800	54.2	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.2	3.2	1.4	mg/Kg	U		4	6010C
7440-62-2	Vanadium	22.1	8.0	0.80	mg/Kg			4	6010C
7440-66-6	Zinc	83.3	4.8	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.21	0.017	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-1(12-14)-08192016 Lab Sample ID: 460-118926-2

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2016 08:40

Reporting Basis: DRY Date Received: 08/19/2016 16:10

% Solids: 94.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4250	32.4	16.7	mg/Kg			4	6010C
7440-36-0	Antimony	3.2	3.2	1.3	mg/Kg	U		4	6010C
7440-38-2	Arsenic	1.5	2.4	0.80	mg/Kg	J		4	6010C
7440-39-3	Barium	29.8	32.4	1.2	mg/Kg	J		4	6010C
7440-41-7	Beryllium	0.32	0.32	0.28	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.65	0.65	0.34	mg/Kg	U		4	6010C
7440-70-2	Calcium	3950	811	48.0	mg/Kg			4	6010C
7440-47-3	Chromium	12.4	1.6	0.78	mg/Kg			4	6010C
7440-48-4	Cobalt	5.3	8.1	0.93	mg/Kg	J		4	6010C
7440-50-8	Copper	11.8	4.1	1.1	mg/Kg			4	6010C
7439-89-6	Iron	10800	24.3	18.3	mg/Kg			4	6010C
7439-92-1	Lead	194	1.6	0.64	mg/Kg			4	6010C
7439-95-4	Magnesium	2710	811	40.5	mg/Kg			4	6010C
7439-96-5	Manganese	308	2.4	0.85	mg/Kg			4	6010C
7440-02-0	Nickel	14.2	6.5	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	873	811	24.6	mg/Kg			4	6010C
7782-49-2	Selenium	3.2	3.2	1.1	mg/Kg	U		4	6010C
7440-22-4	Silver	1.6	1.6	0.29	mg/Kg	U		4	6010C
7440-23-5	Sodium	106	811	54.9	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.2	3.2	1.4	mg/Kg	U		4	6010C
7440-62-2	Vanadium	15.9	8.1	0.81	mg/Kg			4	6010C
7440-66-6	Zinc	25.7	4.9	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.018	0.018	0.012	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-2(2-4)08192016 Lab Sample ID: 460-118926-3

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2016 09:02

Reporting Basis: DRY Date Received: 08/19/2016 16:10

% Solids: 89.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7610	34.9	17.9	mg/Kg			4	6010C
7440-36-0	Antimony	3.5	3.5	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	6.0	2.6	0.86	mg/Kg			4	6010C
7440-39-3	Barium	139	34.9	1.2	mg/Kg			4	6010C
7440-41-7	Beryllium	0.43	0.35	0.30	mg/Kg			4	6010C
7440-43-9	Cadmium	0.70	0.70	0.36	mg/Kg	U		4	6010C
7440-70-2	Calcium	39700	871	51.6	mg/Kg			4	6010C
7440-47-3	Chromium	13.2	1.7	0.84	mg/Kg			4	6010C
7440-48-4	Cobalt	5.3	8.7	1.0	mg/Kg	J		4	6010C
7440-50-8	Copper	31.5	4.4	1.1	mg/Kg			4	6010C
7439-89-6	Iron	12900	26.1	19.7	mg/Kg			4	6010C
7439-92-1	Lead	2880	4.4	1.7	mg/Kg			10	6010C
7439-95-4	Magnesium	3100	871	43.5	mg/Kg			4	6010C
7439-96-5	Manganese	235	2.6	0.91	mg/Kg			4	6010C
7440-02-0	Nickel	13.4	7.0	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	1260	871	26.4	mg/Kg			4	6010C
7782-49-2	Selenium	3.5	3.5	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.7	1.7	0.31	mg/Kg	U		4	6010C
7440-23-5	Sodium	247	871	59.0	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.5	3.5	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	22.3	8.7	0.87	mg/Kg			4	6010C
7440-66-6	Zinc	218	5.2	1.3	mg/Kg			4	6010C
7439-97-6	Mercury	0.24	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-2(10-12)08192016 Lab Sample ID: 460-118926-4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2016 09:20

Reporting Basis: DRY Date Received: 08/19/2016 16:10

% Solids: 91.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6220	34.7	17.9	mg/Kg			4	6010C
7440-36-0	Antimony	3.5	3.5	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	7.4	2.6	0.85	mg/Kg			4	6010C
7440-39-3	Barium	109	34.7	1.2	mg/Kg			4	6010C
7440-41-7	Beryllium	0.31	0.35	0.29	mg/Kg	J		4	6010C
7440-43-9	Cadmium	0.69	0.69	0.36	mg/Kg	U		4	6010C
7440-70-2	Calcium	38800	869	51.4	mg/Kg			4	6010C
7440-47-3	Chromium	17.8	1.7	0.84	mg/Kg			4	6010C
7440-48-4	Cobalt	4.0	8.7	1.0	mg/Kg	J		4	6010C
7440-50-8	Copper	25.8	4.3	1.1	mg/Kg			4	6010C
7439-89-6	Iron	14000	26.1	19.6	mg/Kg			4	6010C
7439-92-1	Lead	2080	1.7	0.68	mg/Kg			4	6010C
7439-95-4	Magnesium	5320	869	43.3	mg/Kg			4	6010C
7439-96-5	Manganese	250	2.6	0.91	mg/Kg			4	6010C
7440-02-0	Nickel	11.7	6.9	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	812	869	26.3	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.5	3.5	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.7	1.7	0.31	mg/Kg	U		4	6010C
7440-23-5	Sodium	240	869	58.8	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.5	3.5	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	16.8	8.7	0.87	mg/Kg			4	6010C
7440-66-6	Zinc	153	5.2	1.3	mg/Kg			4	6010C
7439-97-6	Mercury	0.22	0.017	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-3(2-4)08192016 Lab Sample ID: 460-118926-5

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2016 09:42

Reporting Basis: DRY Date Received: 08/19/2016 16:10

% Solids: 91.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8570	34.6	17.8	mg/Kg			4	6010C
7440-36-0	Antimony	3.5	3.5	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	4.5	2.6	0.85	mg/Kg			4	6010C
7440-39-3	Barium	103	34.6	1.2	mg/Kg			4	6010C
7440-41-7	Beryllium	0.34	0.35	0.29	mg/Kg	J		4	6010C
7440-43-9	Cadmium	0.69	0.69	0.36	mg/Kg	U		4	6010C
7440-70-2	Calcium	22000	864	51.2	mg/Kg			4	6010C
7440-47-3	Chromium	19.6	1.7	0.84	mg/Kg			4	6010C
7440-48-4	Cobalt	5.4	8.6	0.99	mg/Kg	J		4	6010C
7440-50-8	Copper	24.4	4.3	1.1	mg/Kg			4	6010C
7439-89-6	Iron	16000	25.9	19.5	mg/Kg			4	6010C
7439-92-1	Lead	257	1.7	0.68	mg/Kg			4	6010C
7439-95-4	Magnesium	3530	864	43.1	mg/Kg			4	6010C
7439-96-5	Manganese	343	2.6	0.91	mg/Kg			4	6010C
7440-02-0	Nickel	14.3	6.9	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	951	864	26.2	mg/Kg			4	6010C
7782-49-2	Selenium	3.5	3.5	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.7	1.7	0.31	mg/Kg	U		4	6010C
7440-23-5	Sodium	219	864	58.5	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.5	3.5	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	22.9	8.6	0.86	mg/Kg			4	6010C
7440-66-6	Zinc	116	5.2	1.3	mg/Kg			4	6010C
7439-97-6	Mercury	0.39	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-3(13-15)08192016 Lab Sample ID: 460-118926-6

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2016 09:55

Reporting Basis: DRY Date Received: 08/19/2016 16:10

% Solids: 94.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4700	33.5	17.3	mg/Kg			4	6010C
7440-36-0	Antimony	3.4	3.4	1.3	mg/Kg	U		4	6010C
7440-38-2	Arsenic	1.2	2.5	0.82	mg/Kg	J		4	6010C
7440-39-3	Barium	36.0	33.5	1.2	mg/Kg			4	6010C
7440-41-7	Beryllium	0.34	0.34	0.28	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.67	0.67	0.35	mg/Kg	U		4	6010C
7440-70-2	Calcium	1380	838	49.6	mg/Kg			4	6010C
7440-47-3	Chromium	10.9	1.7	0.81	mg/Kg			4	6010C
7440-48-4	Cobalt	4.8	8.4	0.96	mg/Kg	J		4	6010C
7440-50-8	Copper	10.3	4.2	1.1	mg/Kg			4	6010C
7439-89-6	Iron	10700	25.1	18.9	mg/Kg			4	6010C
7439-92-1	Lead	1.7	1.7	0.66	mg/Kg	U		4	6010C
7439-95-4	Magnesium	2420	838	41.8	mg/Kg			4	6010C
7439-96-5	Manganese	219	2.5	0.88	mg/Kg			4	6010C
7440-02-0	Nickel	14.0	6.7	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	928	838	25.4	mg/Kg			4	6010C
7782-49-2	Selenium	3.4	3.4	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.7	1.7	0.30	mg/Kg	U		4	6010C
7440-23-5	Sodium	79.7	838	56.7	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.4	3.4	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	15.2	8.4	0.84	mg/Kg			4	6010C
7440-66-6	Zinc	29.4	5.0	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.017	0.017	0.012	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-X08192016 Lab Sample ID: 460-118926-7

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2016 00:00

Reporting Basis: DRY Date Received: 08/19/2016 16:10

% Solids: 94.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9140	31.9	16.5	mg/Kg			4	6010C
7440-36-0	Antimony	3.2	3.2	1.3	mg/Kg	U		4	6010C
7440-38-2	Arsenic	3.8	2.4	0.79	mg/Kg			4	6010C
7440-39-3	Barium	78.9	31.9	1.1	mg/Kg			4	6010C
7440-41-7	Beryllium	0.38	0.32	0.27	mg/Kg			4	6010C
7440-43-9	Cadmium	0.64	0.64	0.33	mg/Kg	U		4	6010C
7440-70-2	Calcium	7260	799	47.3	mg/Kg			4	6010C
7440-47-3	Chromium	22.7	1.6	0.77	mg/Kg			4	6010C
7440-48-4	Cobalt	9.2	8.0	0.92	mg/Kg			4	6010C
7440-50-8	Copper	22.9	4.0	1.0	mg/Kg			4	6010C
7439-89-6	Iron	19200	24.0	18.1	mg/Kg			4	6010C
7439-92-1	Lead	1350	1.6	0.63	mg/Kg			4	6010C
7439-95-4	Magnesium	4790	799	39.9	mg/Kg			4	6010C
7439-96-5	Manganese	487	2.4	0.84	mg/Kg			4	6010C
7440-02-0	Nickel	21.8	6.4	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	2150	799	24.2	mg/Kg			4	6010C
7782-49-2	Selenium	3.2	3.2	1.1	mg/Kg	U		4	6010C
7440-22-4	Silver	1.6	1.6	0.28	mg/Kg	U		4	6010C
7440-23-5	Sodium	130	799	54.1	mg/Kg	J		4	6010C
7440-28-0	Thallium	3.2	3.2	1.4	mg/Kg	U		4	6010C
7440-62-2	Vanadium	26.1	8.0	0.80	mg/Kg			4	6010C
7440-66-6	Zinc	74.4	4.8	1.2	mg/Kg			4	6010C
7439-97-6	Mercury	0.25	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FB08192016 Lab Sample ID: 460-118926-8

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG ID.:

Matrix: Water Date Sampled: 08/19/2016 10:15

Reporting Basis: WET Date Received: 08/19/2016 16:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	200	200	69.5	ug/L	U		1	6010C
7440-36-0	Antimony	20.0	20.0	4.7	ug/L	U		1	6010C
7440-38-2	Arsenic	15.0	15.0	4.4	ug/L	U		1	6010C
7440-39-3	Barium	200	200	5.5	ug/L	U		1	6010C
7440-41-7	Beryllium	2.0	2.0	1.8	ug/L	U		1	6010C
7440-43-9	Cadmium	4.0	4.0	2.3	ug/L	U		1	6010C
7440-70-2	Calcium	5000	5000	317	ug/L	U		1	6010C
7440-47-3	Chromium	10.0	10.0	4.5	ug/L	U		1	6010C
7440-48-4	Cobalt	50.0	50.0	5.1	ug/L	U		1	6010C
7440-50-8	Copper	25.0	25.0	5.0	ug/L	U		1	6010C
7439-89-6	Iron	150	150	65.4	ug/L	U		1	6010C
7439-92-1	Lead	10.0	10.0	4.2	ug/L	U		1	6010C
7439-95-4	Magnesium	5000	5000	260	ug/L	U		1	6010C
7439-96-5	Manganese	15.0	15.0	4.9	ug/L	U		1	6010C
7440-02-0	Nickel	40.0	40.0	5.4	ug/L	U		1	6010C
7440-09-7	Potassium	5000	5000	122	ug/L	U		1	6010C
7782-49-2	Selenium	20.0	20.0	6.8	ug/L	U		1	6010C
7440-22-4	Silver	10.0	10.0	1.9	ug/L	U		1	6010C
7440-23-5	Sodium	5000	5000	315	ug/L	U		1	6010C
7440-28-0	Thallium	20.0	20.0	4.5	ug/L	U		1	6010C
7440-62-2	Vanadium	50.0	50.0	4.4	ug/L	U		1	6010C
7440-66-6	Zinc	30.0	30.0	5.9	ug/L	U		1	6010C
7439-97-6	Mercury	0.20	0.20	0.14	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	ICV 460-385958/7 08/21/2016 10:34				CCV 460-385958/20 08/21/2016 11:24				CCV 460-385958/24 08/21/2016 11:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	125300		125000	100	124800		125000	100	122600		125000	98
Antimony	994.4		1000	99	995.8		1000	100	968.2		1000	97
Arsenic	2500		2500	100	2518		2500	101	2440		2500	98
Barium	10210		10000	102	10210		10000	102	9992		10000	100
Beryllium	1025		1000	103	1021		1000	102	1004		1000	100
Cadmium	1264		1250	101	1269		1250	102	1241		1250	99
Calcium	124600		125000	100	124700		125000	100	123800		125000	99
Chromium	5100		5000	102	5077		5000	102	5049		5000	101
Cobalt	2515		2500	101	2517		2500	101	2455		2500	98
Copper	12470		12500	100	12460		12500	100	12080		12500	97
Iron	100900		100000	101	100800		100000	101	99700		100000	100
Lead	7623		7500	102	7627		7500	102	7481		7500	100
Magnesium	125300		125000	100	125100		125000	100	123700		125000	99
Manganese	5127		5000	103	5120		5000	102	5073		5000	101
Nickel	2543		2500	102	2543		2500	102	2488		2500	100
Potassium	49520		50000	99	49490		50000	99	48470		50000	97
Selenium	2486		2500	99	2485		2500	99	2427		2500	97
Silver	1242		1250	99	1244		1250	100	1221		1250	98
Sodium	125400		125000	100	125800		125000	101	123100		125000	98
Thallium	2526		2500	101	2552		2500	102	2486		2500	99
Vanadium	2493		2500	100	2502		2500	100	2456		2500	98
Zinc	2532		2500	101	2540		2500	102	2512		2500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	CCV 460-385958/37 08/21/2016 12:32				CCV 460-385958/79 08/21/2016 15:17				CCV 460-385958/92 08/21/2016 16:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122800		125000	98	126300		125000	101	127400		125000	102
Antimony	975.0		1000	98	963.9		1000	96	933.4		1000	93
Arsenic	2474		2500	99	2476		2500	99	2416		2500	97
Barium	10060		10000	101	10270		10000	103	10090		10000	101
Beryllium	1007		1000	101	1035		1000	104	1042		1000	104
Cadmium	1250		1250	100	1285		1250	103	1263		1250	101
Calcium	123400		125000	99	129600		125000	104	132200		125000	106
Chromium	5043		5000	101	5232		5000	105	5305		5000	106
Cobalt	2483		2500	99	2538		2500	102	2490		2500	100
Copper	12230		12500	98	11790		12500	94	11790		12500	94
Iron	99910		100000	100	103200		100000	103	104400		100000	104
Lead	7527		7500	100	7737		7500	103	7600		7500	101
Magnesium	123800		125000	99	127600		125000	102	129500		125000	104
Manganese	5084		5000	102	5241		5000	105	5303		5000	106
Nickel	2520		2500	101	2592		2500	104	2543		2500	102
Potassium	48850		50000	98	50040		50000	100	50460		50000	101
Selenium	2442		2500	98	2393		2500	96	2338		2500	94
Silver	1229		1250	98	1231		1250	98	1241		1250	99
Sodium	123800		125000	99	123500		125000	99	125700		125000	101
Thallium	2501		2500	100	2555		2500	102	2519		2500	101
Vanadium	2470		2500	99	2492		2500	100	2520		2500	101
Zinc	2529		2500	101	2709		2500	108	2694		2500	108

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	CCV 460-385958/95 08/21/2016 16:20				CCV 460-385958/108 08/21/2016 17:10				CCV 460-385958/121 08/21/2016 18:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	127400		125000	102	123500		125000	99	125100		125000	100
Antimony	939.8		1000	94	913.5		1000	91	923.2		1000	92
Arsenic	2417		2500	97	2357		2500	94	2385		2500	95
Barium	10110		10000	101	9811		10000	98	9917		10000	99
Beryllium	1041		1000	104	1015		1000	102	1025		1000	103
Cadmium	1267		1250	101	1226		1250	98	1238		1250	99
Calcium	131300		125000	105	127300		125000	102	129300		125000	103
Chromium	5280		5000	106	5119		5000	102	5190		5000	104
Cobalt	2495		2500	100	2428		2500	97	2459		2500	98
Copper	11760		12500	94	11460		12500	92	11640		12500	93
Iron	104000		100000	104	101000		100000	101	102500		100000	103
Lead	7612		7500	101	7379		7500	98	7462		7500	99
Magnesium	128800		125000	103	125200		125000	100	127400		125000	102
Manganese	5283		5000	106	5130		5000	103	5208		5000	104
Nickel	2550		2500	102	2487		2500	99	2520		2500	101
Potassium	50630		50000	101	49090		50000	98	49720		50000	99
Selenium	2344		2500	94	2257		2500	90	2286		2500	91
Silver	1237		1250	99	1202		1250	96	1219		1250	98
Sodium	125800		125000	101	122700		125000	98	124100		125000	99
Thallium	2521		2500	101	2449		2500	98	2496		2500	100
Vanadium	2510		2500	100	2436		2500	97	2479		2500	99
Zinc	2699		2500	108	2612		2500	104	2651		2500	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	CCV 460-385958/134 08/21/2016 18:50				CCV 460-385958/177 08/21/2016 21:40				CCV 460-385958/190 08/21/2016 22:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123700		125000	99	122600		125000	98	124300		125000	99
Antimony	930.7		1000	93	958.9		1000	96	956.2		1000	96
Arsenic	2397		2500	96	2438		2500	98	2435		2500	97
Barium	9874		10000	99	9929		10000	99	9956		10000	100
Beryllium	1015		1000	102	1004		1000	100	1022		1000	102
Cadmium	1232		1250	99	1230		1250	98	1231		1250	98
Calcium	127500		125000	102	122400		125000	98	123500		125000	99
Chromium	5119		5000	102	4984		5000	100	5042		5000	101
Cobalt	2452		2500	98	2462		2500	98	2465		2500	99
Copper	11670		12500	93	12050		12500	96	12020		12500	96
Iron	101400		100000	101	98740		100000	99	99440		100000	99
Lead	7404		7500	99	7421		7500	99	7424		7500	99
Magnesium	125900		125000	101	123100		125000	98	124000		125000	99
Manganese	5155		5000	103	5039		5000	101	5074		5000	101
Nickel	2507		2500	100	2508		2500	100	2518		2500	101
Potassium	49280		50000	99	49090		50000	98	49810		50000	100
Selenium	2293		2500	92	2365		2500	95	2360		2500	94
Silver	1212		1250	97	1217		1250	97	1228		1250	98
Sodium	121700		125000	97	122200		125000	98	124300		125000	99
Thallium	2461		2500	98	2500		2500	100	2486		2500	99
Vanadium	2466		2500	99	2441		2500	98	2438		2500	98
Zinc	2609		2500	104	2531		2500	101	2533		2500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	CCV 460-385958/203 08/21/2016 23:20											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123700		125000	99								
Antimony	956.5		1000	96								
Arsenic	2450		2500	98								
Barium	9980		10000	100								
Beryllium	1016		1000	102								
Cadmium	1233		1250	99								
Calcium	123500		125000	99								
Chromium	5036		5000	101								
Cobalt	2471		2500	99								
Copper	12030		12500	96								
Iron	99150		100000	99								
Lead	7430		7500	99								
Magnesium	123700		125000	99								
Manganese	5065		5000	101								
Nickel	2521		2500	101								
Potassium	49440		50000	99								
Selenium	2363		2500	95								
Silver	1223		1250	98								
Sodium	123600		125000	99								
Thallium	2492		2500	100								
Vanadium	2440		2500	98								
Zinc	2539		2500	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	ICVL 460-385958/9 08/21/2016 10:42				CCVL 460-385958/22 08/21/2016 11:32				CCVL 460-385958/26 08/21/2016 11:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	185.7	J	200	93	198.3	J	200	99	172.6	J	200	86
Antimony	17.17	J	20.0	86	17.22	J	20.0	86	16.84	J	20.0	84
Arsenic	14.98	J	15.0	100	13.20	J	15.0	88	14.37	J	15.0	96
Barium	196.0	J	200	98	195.4	J	200	98	190.1	J	200	95
Beryllium	1.98	J	2.00	99	1.93	J	2.00	97	2.0	U	2.00	85
Cadmium	3.89	J	4.00	97	3.85	J	4.00	96	3.81	J	4.00	95
Calcium	4538	J	5000	91	4582	J	5000	92	4403	J	5000	88
Chromium	9.31	J	10.0	93	9.69	J	10.0	97	8.87	J	10.0	89
Cobalt	48.93	J	50.0	98	49.01	J	50.0	98	47.17	J	50.0	94
Copper	23.16	J	25.0	93	22.50	J	25.0	90	21.34	J	25.0	85
Iron	147.7	J	150	98	139.8	J	150	93	134.7	J	150	90
Lead	11.67		10.0	117					11.54		10.0	115
Magnesium	4500	J	5000	90	4510	J	5000	90	4353	J	5000	87
Manganese	15.12		15.0	101	15.01		15.0	100	14.35	J	15.0	96
Nickel	40.22		40.0	101	39.68	J	40.0	99	38.23	J	40.0	96
Potassium	4286	J	5000	86	4263	J	5000	85	4163	J	5000	83
Selenium	17.71	J	20.0	89	14.70	J	20.0	74	17.21	J	20.0	86
Silver	9.34	J	10.0	93	9.38	J	10.0	94	8.98	J	10.0	90
Sodium	4368	J	5000	87	4396	J	5000	88	4254	J	5000	85
Thallium	21.22		20.0	106	20.19		20.0	101	18.65	J	20.0	93
Vanadium	47.04	J	50.0	94	47.09	J	50.0	94	45.63	J	50.0	91
Zinc	30.28		30.0	101	30.68		30.0	102	29.80	J	30.0	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	CCVL 460-385958/39 08/21/2016 12:39				CCVL 460-385958/81 08/21/2016 15:25				CCVL 460-385958/94 08/21/2016 16:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	191.6	J	200	96	194.6	J	200	97	175.8	J	200	88
Antimony	16.53	J	20.0	83	17.10	J	20.0	86	16.72	J	20.0	84
Arsenic	14.66	J	15.0	98	16.28		15.0	109	14.20	J	15.0	95
Barium	195.0	J	200	98	200.3		200	100	202.2		200	101
Beryllium	1.85	J	2.00	92	2.00		2.00	100	2.10		2.00	105
Cadmium	4.01		4.00	100	3.97	J	4.00	99	4.31		4.00	108
Calcium	4563	J	5000	91	4982	J	5000	100	5084		5000	102
Chromium	9.96	J	10.0	100	10.05		10.0	101	10.04		10.0	100
Cobalt	49.11	J	50.0	98	50.73		50.0	101	51.23		50.0	102
Copper	22.87	J	25.0	91	21.73	J	25.0	87	22.31	J	25.0	89
Iron	136.5	J	150	91	159.0		150	106	164.0		150	109
Lead	10.70		10.0	107	11.95		10.0	120	9.97	J	10.0	100
Magnesium	4537	J	5000	91	4854	J	5000	97	4911	J	5000	98
Manganese	15.18		15.0	101	16.02		15.0	107	16.32		15.0	109
Nickel	40.59		40.0	101	41.34		40.0	103	42.95		40.0	107
Potassium	4319	J	5000	86	4523	J	5000	90	4591	J	5000	92
Selenium	15.99	J	20.0	80	14.23	J	20.0	71				
Silver	9.42	J	10.0	94	9.65	J	10.0	97	9.59	J	10.0	96
Sodium	4388	J	5000	88	4633	J	5000	93	4598	J	5000	92
Thallium	19.11	J	20.0	96	20.62		20.0	103	19.75	J	20.0	99
Vanadium	47.07	J	50.0	94	50.46		50.0	101	50.64		50.0	101
Zinc	30.93		30.0	103	33.35		30.0	111	34.53		30.0	115

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	CCVL 460-385958/97 08/21/2016 16:27				CCVL 460-385958/110 08/21/2016 17:17				CCVL 460-385958/123 08/21/2016 18:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	193.3	J	200	97	193.9	J	200	97	186.5	J	200	93
Antimony	16.50	J	20.0	83	17.56	J	20.0	88	16.96	J	20.0	85
Arsenic	15.85		15.0	106	13.61	J	15.0	91	14.88	J	15.0	99
Barium	203.5		200	102	202.4		200	101	203.0		200	102
Beryllium	2.05		2.00	103	1.91	J	2.00	96	2.02		2.00	101
Cadmium	4.21		4.00	105	4.18		4.00	105	4.15		4.00	104
Calcium	5040		5000	101	5027		5000	101	5069		5000	101
Chromium	10.34		10.0	103	10.39		10.0	104	9.43	J	10.0	94
Cobalt	51.71		50.0	103	51.01		50.0	102	51.51		50.0	103
Copper	22.65	J	25.0	91	21.18	J	25.0	85	20.75	J	25.0	83
Iron	155.1		150	103	166.0		150	111	169.0		150	113
Lead	11.45		10.0	115	10.81		10.0	108	10.52		10.0	105
Magnesium	4953	J	5000	99	4867	J	5000	97	4885	J	5000	98
Manganese	16.34		15.0	109	15.85		15.0	106	16.00		15.0	107
Nickel	42.15		40.0	105	41.63		40.0	104	42.06		40.0	105
Potassium	4694	J	5000	94	4688	J	5000	94	4665	J	5000	93
Selenium	17.63	J	20.0	88	15.29	J	20.0	76	16.04	J	20.0	80
Silver	9.39	J	10.0	94	9.53	J	10.0	95	9.32	J	10.0	93
Sodium	4657	J	5000	93	4625	J	5000	93	4675	J	5000	94
Thallium	21.69		20.0	108	22.11		20.0	111	20.46		20.0	102
Vanadium	50.91		50.0	102	50.03		50.0	100	50.06		50.0	100
Zinc	33.87		30.0	113	34.35		30.0	115	34.57		30.0	115

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	CCVL 460-385958/136 08/21/2016 18:58				CCVL 460-385958/179 08/21/2016 21:47				CCVL 460-385958/192 08/21/2016 22:38			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	185.6	J	200	93	197.8	J	200	99	180.3	J	200	90
Antimony	18.64	J	20.0	93	16.86	J	20.0	84	17.07	J	20.0	85
Arsenic	15.82		15.0	105	14.37	J	15.0	96	14.86	J	15.0	99
Barium	203.4		200	102	195.6	J	200	98	195.7	J	200	98
Beryllium	1.93	J	2.00	97	1.99	J	2.00	99	1.83	J	2.00	92
Cadmium	4.22		4.00	106	4.22		4.00	105	4.04		4.00	101
Calcium	5017		5000	100	4676	J	5000	94	4651	J	5000	93
Chromium	10.70		10.0	107	10.93		10.0	109	9.64	J	10.0	96
Cobalt	51.52		50.0	103	49.02	J	50.0	98	49.79	J	50.0	100
Copper	22.55	J	25.0	90	23.29	J	25.0	93	21.28	J	25.0	85
Iron	177.6		150	118	166.0		150	111	155.0		150	103
Lead					12.97		10.0	130	10.89		10.0	109
Magnesium	4955	J	5000	99	4642	J	5000	93	4603	J	5000	92
Manganese	16.56		15.0	110	15.97		15.0	106	15.21		15.0	101
Nickel	42.56		40.0	106	41.26		40.0	103	40.96		40.0	102
Potassium	4613	J	5000	92	4415	J	5000	88	4446	J	5000	89
Selenium	16.35	J	20.0	82	15.15	J	20.0	76	16.38	J	20.0	82
Silver	9.24	J	10.0	92	9.42	J	10.0	94	9.12	J	10.0	91
Sodium	4625	J	5000	93	4446	J	5000	89	4439	J	5000	89
Thallium	21.23		20.0	106	22.35		20.0	112	19.75	J	20.0	99
Vanadium	51.20		50.0	102	48.80	J	50.0	98	47.80	J	50.0	96
Zinc	34.17		30.0	114	32.09		30.0	107	32.24		30.0	107

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	CCVL 460-385958/205 08/21/2016 23:28											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	189.1	J	200	95								
Antimony	16.86	J	20.0	84								
Arsenic	13.39	J	15.0	89								
Barium	196.3	J	200	98								
Beryllium	2.00		2.00	100								
Cadmium	3.96	J	4.00	99								
Calcium	4616	J	5000	92								
Chromium	9.51	J	10.0	95								
Cobalt	49.59	J	50.0	99								
Copper	21.79	J	25.0	87								
Iron	157.0		150	105								
Lead	12.35		10.0	124								
Magnesium	4584	J	5000	92								
Manganese	15.26		15.0	102								
Nickel	41.34		40.0	103								
Potassium	4424	J	5000	88								
Selenium	18.81	J	20.0	94								
Silver	9.46	J	10.0	95								
Sodium	4415	J	5000	88								
Thallium	21.09		20.0	105								
Vanadium	47.89	J	50.0	96								
Zinc	31.65		30.0	106								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	ICV 460-386100/7 08/22/2016 10:25				CCV 460-386100/20 08/22/2016 11:16				CCV 460-386100/33 08/22/2016 12:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122700		125000	98	125900		125000	101	125100		125000	100
Antimony	969.6		1000	97	951.0		1000	95	939.5		1000	94
Arsenic	2457		2500	98	2440		2500	98	2420		2500	97
Barium	10050		10000	101	10300		10000	103	10320		10000	103
Beryllium	1002		1000	100	1058		1000	106	1061		1000	106
Cadmium	1247		1250	100	1265		1250	101	1265		1250	101
Calcium	123600		125000	99	130600		125000	104	131500		125000	105
Chromium	5057		5000	101	5270		5000	105	5281		5000	106
Cobalt	2458		2500	98	2443		2500	98	2429		2500	97
Copper	12110		12500	97	12080		12500	97	12010		12500	96
Iron	99400		100000	99	104200		100000	104	104800		100000	105
Lead	7495		7500	100	7609		7500	101	7607		7500	101
Magnesium	123600		125000	99	127400		125000	102	127700		125000	102
Manganese	5102		5000	102	5288		5000	106	5307		5000	106
Nickel	2501		2500	100	2468		2500	99	2451		2500	98
Potassium	48360		50000	97	49420		50000	99	49250		50000	99
Selenium	2434		2500	97	2556		2500	102	2548		2500	102
Silver	1226		1250	98	1255		1250	100	1259		1250	101
Sodium	122700		125000	98	125300		125000	100	124100		125000	99
Thallium	2502		2500	100	2443		2500	98	2406		2500	96
Vanadium	2490		2500	100	2564		2500	103	2570		2500	103
Zinc	2551		2500	102	2709		2500	108	2741		2500	110

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	CCV 460-386100/46 08/22/2016 12:56				CCV 460-386100/59 08/22/2016 13:47				CCV 460-386100/72 08/22/2016 14:38			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124600		125000	100	119400		125000	96	118900		125000	95
Antimony	937.3		1000	94	895.8		1000	90				
Arsenic	2420		2500	97	2304		2500	92	2291		2500	92
Barium	10350		10000	104	10010		10000	100	9986		10000	100
Beryllium	1077		1000	108	1045		1000	105	1052		1000	105
Cadmium	1261		1250	101	1211		1250	97	1201		1250	96
Calcium	131600		125000	105	125800		125000	101	125900		125000	101
Chromium	5288		5000	106	5046		5000	101	5046		5000	101
Cobalt	2406		2500	96	2302		2500	92	2269		2500	91
Copper	12090		12500	97	11600		12500	93	11560		12500	92
Iron	105300		100000	105	100900		100000	101	100800		100000	101
Lead	7584		7500	101	7279		7500	97	7228		7500	96
Magnesium	126600		125000	101	120200		125000	96	119600		125000	96
Manganese	5294		5000	106	5064		5000	101	5056		5000	101
Nickel	2405		2500	96	2287		2500	91	2247		2500	90
Potassium	48950		50000	98	46880		50000	94	46470		50000	93
Selenium	2625		2500	105	2550		2500	102	2574		2500	103
Silver	1265		1250	101	1212		1250	97	1212		1250	97
Sodium	123800		125000	99	118400		125000	95	117800		125000	94
Thallium	2346		2500	94								
Vanadium	2582		2500	103	2479		2500	99	2476		2500	99
Zinc	2749		2500	110	2655		2500	106	2650		2500	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	CCV 460-386100/83 08/22/2016 15:21											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	119300		125000	95								
Antimony												
Arsenic	2308		2500	92								
Barium	10070		10000	101								
Beryllium	1055		1000	106								
Cadmium	1214		1250	97								
Calcium	126200		125000	101								
Chromium	5065		5000	101								
Cobalt	2300		2500	92								
Copper	11670		12500	93								
Iron	101100		100000	101								
Lead	7294		7500	97								
Magnesium	120500		125000	96								
Manganese	5082		5000	102								
Nickel	2279		2500	91								
Potassium	46730		50000	93								
Selenium	2567		2500	103								
Silver	1216		1250	97								
Sodium	118400		125000	95								
Thallium												
Vanadium	2486		2500	99								
Zinc	2674		2500	107								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	ICVL 460-386100/9 08/22/2016 10:33				CCVL 460-386100/22 08/22/2016 11:24				CCVL 460-386100/35 08/22/2016 12:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	187.5	J	200	94	201.9		200	101	194.1	J	200	97
Antimony	15.00	J	20.0	75	15.42	J	20.0	77	17.95	J	20.0	90
Arsenic	15.52		15.0	103	15.40		15.0	103	15.76		15.0	105
Barium	194.7	J	200	97	198.5	J	200	99	203.1		200	102
Beryllium	2.0	U	2.00	85	2.08		2.00	104	1.83	J	2.00	91
Cadmium	3.89	J	4.00	97	4.10		4.00	102	4.04		4.00	101
Calcium	4648	J	5000	93	4903	J	5000	98	5067		5000	101
Chromium	9.39	J	10.0	94	10.33		10.0	103	10.27		10.0	103
Cobalt	48.12	J	50.0	96	48.49	J	50.0	97	48.99	J	50.0	98
Copper	21.87	J	25.0	87	22.85	J	25.0	91	22.95	J	25.0	92
Iron	140.6	J	150	94	141.7	J	150	94	160.7		150	107
Lead	9.05	J	10.0	90	8.79	J	10.0	88	9.17	J	10.0	92
Magnesium	4607	J	5000	92	4806	J	5000	96	4859	J	5000	97
Manganese	15.04		15.0	100	15.77		15.0	105	15.95		15.0	106
Nickel	39.86	J	40.0	100	38.97	J	40.0	97	39.25	J	40.0	98
Potassium	4379	J	5000	88	4485	J	5000	90	4592	J	5000	92
Selenium	21.88		20.0	109	21.84		20.0	109	23.70		20.0	119
Silver	8.37	J	10.0	84	8.67	J	10.0	87	9.32	J	10.0	93
Sodium	4285	J	5000	86	4344	J	5000	87	4443	J	5000	89
Thallium	16.87	J	20.0	84	14.68	J	20.0	73	17.03	J	20.0	85
Vanadium	46.94	J	50.0	94	48.31	J	50.0	97	50.02		50.0	100
Zinc	29.80	J	30.0	99	32.11		30.0	107	32.99		30.0	110

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	CCVL 460-386100/48 08/22/2016 13:04				CCVL 460-386100/61 08/22/2016 13:54				CCVL 460-386100/74 08/22/2016 14:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	195.6	J	200	98	193.4	J	200	97	184.7	J	200	92
Antimony	16.16	J	20.0	81	15.30	J	20.0	77	15.85	J	20.0	79
Arsenic	16.06		15.0	107	14.43	J	15.0	96	15.97		15.0	106
Barium	203.5		200	102	204.2		200	102	197.1	J	200	99
Beryllium	1.87	J	2.00	93	2.09		2.00	104	2.07		2.00	103
Cadmium	3.97	J	4.00	99	3.88	J	4.00	97	3.88	J	4.00	97
Calcium	5024		5000	100	5096		5000	102	4870	J	5000	97
Chromium	10.69		10.0	107	10.30		10.0	103	10.09		10.0	101
Cobalt	48.35	J	50.0	97	48.54	J	50.0	97	45.97	J	50.0	92
Copper	22.72	J	25.0	91	23.20	J	25.0	93	22.77	J	25.0	91
Iron	156.0		150	104	155.5		150	104	158.3		150	106
Lead	10.02		10.0	100	9.97	J	10.0	100	8.65	J	10.0	87
Magnesium	4789	J	5000	96	4875	J	5000	98	4653	J	5000	93
Manganese	15.83		15.0	106	16.16		15.0	108	15.50		15.0	103
Nickel	38.63	J	40.0	97	39.55	J	40.0	99	37.49	J	40.0	94
Potassium	4514	J	5000	90	4611	J	5000	92	4325	J	5000	87
Selenium	22.49		20.0	112					22.59		20.0	113
Silver	9.14	J	10.0	91	8.76	J	10.0	88	8.84	J	10.0	88
Sodium	4388	J	5000	88	4478	J	5000	90	4248	J	5000	85
Thallium	16.15	J	20.0	81	15.82	J	20.0	79	15.63	J	20.0	78
Vanadium	49.10	J	50.0	98	50.57		50.0	101	48.92	J	50.0	98
Zinc	33.19		30.0	111	33.85		30.0	113	32.71		30.0	109

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	CCVL 460-386100/85 08/22/2016 15:28											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	186.5	J	200	93								
Antimony	16.64	J	20.0	83								
Arsenic	13.28	J	15.0	89								
Barium	196.4	J	200	98								
Beryllium	1.90	J	2.00	95								
Cadmium	3.99	J	4.00	100								
Calcium	4854	J	5000	97								
Chromium	10.03		10.0	100								
Cobalt	46.00	J	50.0	92								
Copper	22.42	J	25.0	90								
Iron	164.2		150	109								
Lead	11.61		10.0	116								
Magnesium	4605	J	5000	92								
Manganese	15.33		15.0	102								
Nickel	36.66	J	40.0	92								
Potassium	4339	J	5000	87								
Selenium	22.44		20.0	112								
Silver	8.72	J	10.0	87								
Sodium	4251	J	5000	85								
Thallium	15.27	J	20.0	76								
Vanadium	48.14	J	50.0	96								
Zinc	32.84		30.0	109								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	ICV 460-386317/7 08/23/2016 10:15				CCV 460-386317/20 08/23/2016 11:05							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Selenium	2451		2500	98	2506		2500	100				
Thallium	2515		2500	101	2533		2500	101				
Aluminum	123200		125000	99	121200		125000	97				
Antimony	980.6		1000	98	1007		1000	101				
Arsenic	2468		2500	99	2520		2500	101				
Barium	10100		10000	101	10070		10000	101				
Beryllium	1004		1000	100	991.8		1000	99				
Cadmium	1253		1250	100	1245		1250	100				
Calcium	122900		125000	98	120800		125000	97				
Chromium	4996		5000	100	4943		5000	99				
Cobalt	2483		2500	99	2520		2500	101				
Copper	12260		12500	98	12250		12500	98				
Iron	99960		100000	100	98270		100000	98				
Lead	7522		7500	100	7592		7500	101				
Magnesium	123400		125000	99	121600		125000	97				
Manganese	5064		5000	101	4947		5000	99				
Nickel	2519		2500	101	2540		2500	102				
Potassium	48250		50000	97	47820		50000	96				
Silver	1218		1250	97	1217		1250	97				
Sodium	123000		125000	98	122000		125000	98				
Vanadium	2470		2500	99	2451		2500	98				
Zinc	2514		2500	101	2518		2500	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	ICVL 460-386317/9 08/23/2016 10:22				CCVL 460-386317/22 08/23/2016 11:13							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Selenium	20.38		20.0	102	19.40	J	20.0	97				
Thallium	19.54	J	20.0	98	20.34		20.0	102				
Aluminum	201.9		200	101	192.3	J	200	96				
Antimony	20.41		20.0	102	19.65	J	20.0	98				
Arsenic	13.01	J	15.0	87	11.98	J	15.0	80				
Barium	206.3		200	103	204.4		200	102				
Beryllium	1.86	J	2.00	93	2.0	U	2.00	85				
Cadmium	4.06		4.00	102	3.99	J	4.00	100				
Calcium	4878	J	5000	98	4712	J	5000	94				
Chromium	10.64		10.0	106	9.83	J	10.0	98				
Cobalt	51.09		50.0	102	51.33		50.0	103				
Copper	23.42	J	25.0	94	23.55	J	25.0	94				
Iron	174.7		150	116	178.5		150	119				
Lead	12.75		10.0	128	11.64		10.0	116				
Magnesium	4891	J	5000	98	4767	J	5000	95				
Manganese	15.87		15.0	106	15.35		15.0	102				
Nickel	42.48		40.0	106	42.74		40.0	107				
Potassium	4415	J	5000	88	4411	J	5000	88				
Silver	8.75	J	10.0	87	9.56	J	10.0	96				
Sodium	4463	J	5000	89	4391	J	5000	88				
Vanadium	49.16	J	50.0	98	48.73	J	50.0	97				
Zinc	33.02		30.0	110	32.88		30.0	110				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	ICV 460-386580/7 08/24/2016 12:10				CCV 460-386580/59 08/24/2016 15:31				CCV 460-386580/72 08/24/2016 16:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122000		125000	98	120100		125000	96	119200		125000	95
Antimony	974.5		1000	97	967.6		1000	97	975.2		1000	98
Arsenic	2442		2500	98	2436		2500	97	2454		2500	98
Barium	9970		10000	100	9942		10000	99	9930		10000	99
Beryllium	996.4		1000	100	984.4		1000	98	974.3		1000	97
Cadmium	1232		1250	99	1232		1250	99	1234		1250	99
Calcium	121200		125000	97	121100		125000	97	121300		125000	97
Chromium	4950		5000	99	4938		5000	99	4954		5000	99
Cobalt	2444		2500	98	2440		2500	98	2445		2500	98
Copper	12100		12500	97	12050		12500	96	12080		12500	97
Iron	97750		100000	98	97740		100000	98	98000		100000	98
Lead	7404		7500	99	7401		7500	99	7416		7500	99
Magnesium	120900		125000	97	120900		125000	97	121100		125000	97
Manganese	5009		5000	100	4999		5000	100	5003		5000	100
Nickel	2486		2500	99	2484		2500	99	2486		2500	99
Potassium	48270		50000	97	48080		50000	96	47990		50000	96
Selenium	2426		2500	97	2404		2500	96	2420		2500	97
Silver	1213		1250	97	1208		1250	97	1214		1250	97
Sodium	122700		125000	98	120200		125000	96	120000		125000	96
Thallium	2473		2500	99	2463		2500	99	2460		2500	98
Vanadium	2440		2500	98	2433		2500	97	2452		2500	98
Zinc	2474		2500	99	2477		2500	99	2478		2500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	CCV 460-386580/85 08/24/2016 17:11											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	120600		125000	96								
Antimony	980.7		1000	98								
Arsenic	2460		2500	98								
Barium	9968		10000	100								
Beryllium	985.3		1000	99								
Cadmium	1235		1250	99								
Calcium	121200		125000	97								
Chromium	4949		5000	99								
Cobalt	2454		2500	98								
Copper	12160		12500	97								
Iron	98080		100000	98								
Lead	7435		7500	99								
Magnesium	121500		125000	97								
Manganese	5008		5000	100								
Nickel	2493		2500	100								
Potassium	48560		50000	97								
Selenium	2434		2500	97								
Silver	1218		1250	97								
Sodium	121600		125000	97								
Thallium	2470		2500	99								
Vanadium	2452		2500	98								
Zinc	2464		2500	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	ICVL 460-386580/9 08/24/2016 12:18				CCVL 460-386580/61 08/24/2016 15:38				CCVL 460-386580/74 08/24/2016 16:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	181.0	J	200	91	185.3	J	200	93	190.9	J	200	95
Antimony	16.91	J	20.0	85	16.61	J	20.0	83	16.68	J	20.0	83
Arsenic	11.88	J	15.0	79	13.11	J	15.0	87	13.67	J	15.0	91
Barium	191.2	J	200	96	191.6	J	200	96	190.1	J	200	95
Beryllium	1.95	J	2.00	98	1.80	J	2.00	90	2.0	U	2.00	88
Cadmium	3.90	J	4.00	98	4.04		4.00	101	3.82	J	4.00	96
Calcium	4507	J	5000	90	4494	J	5000	90	4515	J	5000	90
Chromium	9.30	J	10.0	93	8.85	J	10.0	88	9.60	J	10.0	96
Cobalt	47.41	J	50.0	95	47.74	J	50.0	95	47.53	J	50.0	95
Copper	21.49	J	25.0	86	21.66	J	25.0	87	22.37	J	25.0	89
Iron	159.7		150	106	155.9		150	104	154.7		150	103
Lead	11.73		10.0	117	12.16		10.0	122	11.05		10.0	111
Magnesium	4231	J	5000	85	4265	J	5000	85	4284	J	5000	86
Manganese	14.29	J	15.0	95	14.38	J	15.0	96	14.48	J	15.0	97
Nickel	39.01	J	40.0	98	39.30	J	40.0	98	39.40	J	40.0	99
Potassium	4391	J	5000	88	4391	J	5000	88	4383	J	5000	88
Selenium	19.06	J	20.0	95	18.69	J	20.0	93	17.81	J	20.0	89
Silver	8.70	J	10.0	87	8.47	J	10.0	85	8.37	J	10.0	84
Sodium	4540	J	5000	91	4557	J	5000	91	4551	J	5000	91
Thallium	22.38		20.0	112	23.03		20.0	115	21.17		20.0	106
Vanadium	44.77	J	50.0	90	45.54	J	50.0	91	45.28	J	50.0	91
Zinc	30.69		30.0	102	30.56		30.0	102	30.43		30.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	CCVL 460-386580/87 08/24/2016 17:18											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	190.0	J	200	95								
Antimony	16.84	J	20.0	84								
Arsenic	11.88	J	15.0	79								
Barium	190.5	J	200	95								
Beryllium	2.0	U	2.00	89								
Cadmium	3.93	J	4.00	98								
Calcium	4481	J	5000	90								
Chromium	9.65	J	10.0	96								
Cobalt	47.82	J	50.0	96								
Copper	22.39	J	25.0	90								
Iron	155.5		150	104								
Lead	11.40		10.0	114								
Magnesium	4274	J	5000	85								
Manganese	14.49	J	15.0	97								
Nickel	39.19	J	40.0	98								
Potassium	4386	J	5000	88								
Selenium	16.69	J	20.0	83								
Silver	8.20	J	10.0	82								
Sodium	4515	J	5000	90								
Thallium	20.68		20.0	103								
Vanadium	45.46	J	50.0	91								
Zinc	30.52		30.0	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_CCV_DUO_00158 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00158

Analyte	ICV 460-386754/7 08/25/2016 10:52				CCV 460-386754/20 08/25/2016 11:43							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122500		125000	98	122900		125000	98				
Antimony	982.3		1000	98	984.3		1000	98				
Arsenic	2458		2500	98	2466		2500	99				
Barium	9995		10000	100	10030		10000	100				
Beryllium	997.3		1000	100	1004		1000	100				
Cadmium	1244		1250	100	1248		1250	100				
Calcium	122500		125000	98	123700		125000	99				
Chromium	4981		5000	100	5018		5000	100				
Cobalt	2473		2500	99	2476		2500	99				
Copper	12290		12500	98	12320		12500	99				
Iron	98930		100000	99	99900		100000	100				
Lead	7461		7500	99	7491		7500	100				
Magnesium	122600		125000	98	123700		125000	99				
Manganese	5023		5000	100	5066		5000	101				
Nickel	2497		2500	100	2499		2500	100				
Potassium	48740		50000	97	49160		50000	98				
Selenium	2464		2500	99	2455		2500	98				
Silver	1223		1250	98	1227		1250	98				
Sodium	123300		125000	99	124500		125000	100				
Thallium	2502		2500	100	2514		2500	101				
Vanadium	2442		2500	98	2462		2500	98				
Zinc	2491		2500	100	2499		2500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_Cal2_BC_00017 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00017

Analyte	ICVL 460-386754/9 08/25/2016 11:00				CCVL 460-386754/22 08/25/2016 11:51							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	181.9	J	200	91	171.8	J	200	86				
Antimony	19.26	J	20.0	96	18.66	J	20.0	93				
Arsenic	13.10	J	15.0	87	13.38	J	15.0	89				
Barium	192.3	J	200	96	192.5	J	200	96				
Beryllium	1.95	J	2.00	98	1.97	J	2.00	98				
Cadmium	3.89	J	4.00	97	3.84	J	4.00	96				
Calcium	4581	J	5000	92	4582	J	5000	92				
Chromium	9.45	J	10.0	94	9.42	J	10.0	94				
Cobalt	47.48	J	50.0	95	47.81	J	50.0	96				
Copper	22.18	J	25.0	89	22.73	J	25.0	91				
Iron	161.2		150	107	152.2		150	101				
Lead	9.66	J	10.0	97	9.96	J	10.0	100				
Magnesium	4418	J	5000	88	4470	J	5000	89				
Manganese	15.00		15.0	100	15.03		15.0	100				
Nickel	39.78	J	40.0	99	39.80	J	40.0	100				
Potassium	4492	J	5000	90	4496	J	5000	90				
Selenium	17.74	J	20.0	89	19.51	J	20.0	98				
Silver	9.02	J	10.0	90	8.63	J	10.0	86				
Sodium	4539	J	5000	91	4536	J	5000	91				
Thallium	20.13		20.0	101	20.89		20.0	104				
Vanadium	44.92	J	50.0	90	45.81	J	50.0	92				
Zinc	30.87		30.0	103	31.04		30.0	103				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_DQCS-INT_02264 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_02264

Analyte	ICV 460-385856/9 08/19/2016 19:41				CCV 460-385856/21 08/19/2016 20:04				CCV 460-385856/28 08/19/2016 20:17			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.02		5.00	100	5.04		5.00	101	5.03		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_DQCS-INT_02265 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_02265

Analyte	ICV 460-386062/8 08/22/2016 08:06				CCV 460-386062/32 08/22/2016 08:52				CCV 460-386062/44 08/22/2016 09:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.95		5.00	99	5.05		5.00	101	5.21		5.00	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_DQCS-INT_02265 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_02265

Analyte	CCV 460-386062/56 08/22/2016 09:36				CCV 460-386062/68 08/22/2016 09:58				CCV 460-386062/80 08/22/2016 10:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.14		5.00	103	5.05		5.00	101	4.86		5.00	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_DQCS-INT_02265 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_02265

Analyte	CCV 460-386062/92 08/22/2016 10:44											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.04		5.00	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

ICV Source: ME_DQCS-INT_02267 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_02543

Analyte	ICV 460-386526/30-A 08/24/2016 13:45				CCV 460-386526/32-A 08/24/2016 14:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.06		5.00	101	5.12		5.00	102				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-385958/8 08/21/2016 10:38		CCB 460-385958/21 08/21/2016 11:28		CCB 460-385958/25 08/21/2016 11:45		CCB 460-385958/38 08/21/2016 12:35	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-385958/80 08/21/2016 15:21		CCB 460-385958/93 08/21/2016 16:11		CCB 460-385958/96 08/21/2016 16:23		CCB 460-385958/109 08/21/2016 17:13	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-385958/122 08/21/2016 18:04		CCB 460-385958/135 08/21/2016 18:54		CCB 460-385958/178 08/21/2016 21:43		CCB 460-385958/191 08/21/2016 22:34	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-385958/204 08/21/2016 23:24							
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U						
Antimony	20.0	20.0	U						
Arsenic	15.0	15.0	U						
Barium	200	200	U						
Beryllium	2.0	2.0	U						
Cadmium	4.0	4.0	U						
Calcium	5000	5000	U						
Chromium	10.0	10.0	U						
Cobalt	50.0	50.0	U						
Copper	25.0	25.0	U						
Iron	150	150	U						
Lead	10.0	10.0	U						
Magnesium	5000	5000	U						
Manganese	15.0	15.0	U						
Nickel	40.0	40.0	U						
Potassium	5000	5000	U						
Selenium	20.0	20.0	U						
Silver	10.0	10.0	U						
Sodium	5000	5000	U						
Thallium	20.0	20.0	U						
Vanadium	50.0	50.0	U						
Zinc	30.0	30.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-386100/8 08/22/2016 10:29		CCB 460-386100/21 08/22/2016 11:20		CCB 460-386100/34 08/22/2016 12:10		CCB 460-386100/47 08/22/2016 13:00	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	20.0	20.0	U	20.0	U	20.0	U	7.65	J
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-386100/60 08/22/2016 13:50		CCB 460-386100/73 08/22/2016 14:41		CCB 460-386100/84 08/22/2016 15:24			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U		
Antimony	20.0	20.0	U	20.0	U	20.0	U		
Arsenic	15.0	15.0	U	15.0	U	15.0	U		
Barium	200	200	U	200	U	200	U		
Beryllium	2.0	2.0	U	2.0	U	2.0	U		
Cadmium	4.0	4.0	U	4.0	U	4.0	U		
Calcium	5000	5000	U	5000	U	5000	U		
Chromium	10.0	10.0	U	10.0	U	10.0	U		
Cobalt	50.0	50.0	U	50.0	U	50.0	U		
Copper	25.0	25.0	U	25.0	U	25.0	U		
Iron	150	150	U	150	U	150	U		
Lead	10.0	10.0	U	10.0	U	10.0	U		
Magnesium	5000	5000	U	5000	U	5000	U		
Manganese	15.0	15.0	U	15.0	U	15.0	U		
Nickel	40.0	40.0	U	40.0	U	40.0	U		
Potassium	5000	5000	U	5000	U	5000	U		
Selenium	20.0	20.0	U	20.0	U	7.48	J		
Silver	10.0	10.0	U	10.0	U	10.0	U		
Sodium	5000	5000	U	5000	U	5000	U		
Thallium	20.0	20.0	U	20.0	U	20.0	U		
Vanadium	50.0	50.0	U	50.0	U	50.0	U		
Zinc	30.0	30.0	U	30.0	U	30.0	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-386317/8 08/23/2016 10:18		CCB 460-386317/21 08/23/2016 11:09					
		Found	C	Found	C	Found	C	Found	C
Selenium	20.0	20.0	U	20.0	U				
Thallium	20.0	20.0	U	20.0	U				
Aluminum	200	200	U	200	U				
Antimony	20.0	20.0	U	20.0	U				
Arsenic	15.0	15.0	U	15.0	U				
Barium	200	200	U	200	U				
Beryllium	2.0	2.0	U	2.0	U				
Cadmium	4.0	4.0	U	4.0	U				
Calcium	5000	5000	U	5000	U				
Chromium	10.0	10.0	U	10.0	U				
Cobalt	50.0	50.0	U	50.0	U				
Copper	25.0	25.0	U	25.0	U				
Iron	150	150	U	150	U				
Lead	10.0	10.0	U	10.0	U				
Magnesium	5000	5000	U	5000	U				
Manganese	15.0	15.0	U	15.0	U				
Nickel	40.0	40.0	U	40.0	U				
Potassium	5000	5000	U	5000	U				
Silver	10.0	10.0	U	10.0	U				
Sodium	5000	5000	U	5000	U				
Vanadium	50.0	50.0	U	50.0	U				
Zinc	30.0	30.0	U	30.0	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-386580/8 08/24/2016 12:14		CCB 460-386580/60 08/24/2016 15:34		CCB 460-386580/73 08/24/2016 16:25		CCB 460-386580/86 08/24/2016 17:15	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-386754/8 08/25/2016 10:56		CCB 460-386754/21 08/25/2016 11:47					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U				
Antimony	20.0	20.0	U	20.0	U				
Arsenic	15.0	15.0	U	15.0	U				
Barium	200	200	U	200	U				
Beryllium	2.0	2.0	U	2.0	U				
Cadmium	4.0	4.0	U	4.0	U				
Calcium	5000	5000	U	5000	U				
Chromium	10.0	10.0	U	10.0	U				
Cobalt	50.0	50.0	U	50.0	U				
Copper	25.0	25.0	U	25.0	U				
Iron	150	150	U	150	U				
Lead	10.0	10.0	U	10.0	U				
Magnesium	5000	5000	U	5000	U				
Manganese	15.0	15.0	U	15.0	U				
Nickel	40.0	40.0	U	40.0	U				
Potassium	5000	5000	U	5000	U				
Selenium	20.0	20.0	U	20.0	U				
Silver	10.0	10.0	U	10.0	U				
Sodium	5000	5000	U	5000	U				
Thallium	20.0	20.0	U	20.0	U				
Vanadium	50.0	50.0	U	50.0	U				
Zinc	30.0	30.0	U	30.0	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-385856/10 08/19/2016 19:43		CCB 460-385856/22 08/19/2016 20:06		CCB 460-385856/29 08/19/2016 20:19			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-386062/9 08/22/2016 08:08		CCB 460-386062/33 08/22/2016 08:54		CCB 460-386062/45 08/22/2016 09:16		CCB 460-386062/57 08/22/2016 09:38	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-386062/69 08/22/2016 10:00		CCB 460-386062/81 08/22/2016 10:23		CCB 460-386062/93 08/22/2016 10:45			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-386593/8 08/24/2016 13:47		CCB 460-386593/21 08/24/2016 14:11					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-385938/1-A ^2

Instrument Code: ICP5 Batch No.: 385958

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	20.0	U		6010C
7440-36-0	Antimony	2.0	U		6010C
7440-38-2	Arsenic	1.5	U		6010C
7440-39-3	Barium	20.0	U		6010C
7440-41-7	Beryllium	0.20	U		6010C
7440-43-9	Cadmium	0.40	U		6010C
7440-70-2	Calcium	500	U		6010C
7440-47-3	Chromium	1.0	U		6010C
7440-48-4	Cobalt	5.0	U		6010C
7440-50-8	Copper	2.5	U		6010C
7439-89-6	Iron	15.0	U		6010C
7439-92-1	Lead	1.0	U		6010C
7439-95-4	Magnesium	500	U		6010C
7439-96-5	Manganese	1.5	U		6010C
7440-02-0	Nickel	4.0	U		6010C
7440-09-7	Potassium	500	U		6010C
7782-49-2	Selenium	2.0	U		6010C
7440-22-4	Silver	1.0	U		6010C
7440-23-5	Sodium	500	U		6010C
7440-28-0	Thallium	2.0	U		6010C
7440-62-2	Vanadium	5.0	U		6010C
7440-66-6	Zinc	3.0	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-385942/1-A ^2

Instrument Code: ICP5 Batch No.: 385958

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	20.0	U		6010C
7440-36-0	Antimony	2.0	U		6010C
7440-38-2	Arsenic	1.5	U		6010C
7440-39-3	Barium	20.0	U		6010C
7440-41-7	Beryllium	0.20	U		6010C
7440-43-9	Cadmium	0.40	U		6010C
7440-70-2	Calcium	500	U		6010C
7440-47-3	Chromium	1.0	U		6010C
7440-48-4	Cobalt	5.0	U		6010C
7440-50-8	Copper	2.5	U		6010C
7439-89-6	Iron	15.0	U		6010C
7439-92-1	Lead	1.0	U		6010C
7439-95-4	Magnesium	500	U		6010C
7439-96-5	Manganese	1.5	U		6010C
7440-02-0	Nickel	4.0	U		6010C
7440-09-7	Potassium	500	U		6010C
7782-49-2	Selenium	2.0	U		6010C
7440-22-4	Silver	1.0	U		6010C
7440-23-5	Sodium	500	U		6010C
7440-28-0	Thallium	2.0	U		6010C
7440-62-2	Vanadium	5.0	U		6010C
7440-66-6	Zinc	3.0	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-385941/1-A ^2

Instrument Code: ICP5 Batch No.: 386100

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	20.0	U		6010C
7440-36-0	Antimony	2.0	U		6010C
7440-38-2	Arsenic	1.5	U		6010C
7440-39-3	Barium	20.0	U		6010C
7440-41-7	Beryllium	0.20	U		6010C
7440-43-9	Cadmium	0.40	U		6010C
7440-70-2	Calcium	500	U		6010C
7440-47-3	Chromium	1.0	U		6010C
7440-48-4	Cobalt	5.0	U		6010C
7440-50-8	Copper	2.5	U		6010C
7439-89-6	Iron	15.0	U		6010C
7439-92-1	Lead	1.0	U		6010C
7439-95-4	Magnesium	500	U		6010C
7439-96-5	Manganese	1.5	U		6010C
7440-02-0	Nickel	4.0	U		6010C
7440-09-7	Potassium	500	U		6010C
7782-49-2	Selenium	2.0	U		6010C
7440-22-4	Silver	1.0	U		6010C
7440-23-5	Sodium	500	U		6010C
7440-28-0	Thallium	2.0	U		6010C
7440-62-2	Vanadium	5.0	U		6010C
7440-66-6	Zinc	3.0	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-386232/1-A

Instrument Code: ICP5 Batch No.: 386754

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	200	U		6010C
7440-36-0	Antimony	20.0	U		6010C
7440-38-2	Arsenic	15.0	U		6010C
7440-39-3	Barium	200	U		6010C
7440-41-7	Beryllium	2.0	U		6010C
7440-43-9	Cadmium	4.0	U		6010C
7440-70-2	Calcium	5000	U		6010C
7440-47-3	Chromium	10.0	U		6010C
7440-48-4	Cobalt	50.0	U		6010C
7440-50-8	Copper	25.0	U		6010C
7439-89-6	Iron	150	U		6010C
7439-92-1	Lead	10.0	U		6010C
7439-95-4	Magnesium	5000	U		6010C
7439-96-5	Manganese	15.0	U		6010C
7440-02-0	Nickel	40.0	U		6010C
7440-09-7	Potassium	5000	U		6010C
7782-49-2	Selenium	20.0	U		6010C
7440-22-4	Silver	10.0	U		6010C
7440-23-5	Sodium	5000	U		6010C
7440-28-0	Thallium	20.0	U		6010C
7440-62-2	Vanadium	50.0	U		6010C
7440-66-6	Zinc	30.0	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-386526/1-A

Instrument Code: LEEMAN6 Batch No.: 386593

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-385761/1-A

Instrument Code: LEEMAN6 Batch No.: 385856

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.017	U		7471B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-385991/1-A

Instrument Code: LEEMAN6 Batch No.: 386062

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.017	U		7471B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-386003/1-A

Instrument Code: LEEMAN6 Batch No.: 386062

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.017	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSA 460-385958/10 Instrument ID: ICP5

Lab File ID: 385938D1.asc ICS Source: ME_ICSA_Duo_00071

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**498200**	**100**
Antimony		**-2.84**	
Arsenic		**-1.20**	
Barium		**0.278**	
Beryllium		**-0.0755**	
Cadmium		**0.579**	
Calcium	**500000**	**497000**	**99**
Chromium		**-1.16**	
Cobalt		**-3.83**	
Copper		**-2.21**	
Iron	**200000**	**193200**	**97**
Lead		**2.83**	
Magnesium	**500000**	**500200**	**100**
Manganese		**-1.42**	
Nickel		**-5.18**	
Potassium		**-40.6**	
Selenium		**0.744**	
Silver		**1.29**	
Sodium		**23.3**	
Thallium		**-7.41**	
Vanadium		**0.509**	
Zinc		**-1.70**	
Boron		*-4.39*	
Molybdenum		*0.962*	
Strontium		*-1.00*	
Tin		*-1.40*	
Titanium		*2.59*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSAB 460-385958/11 Instrument ID: ICP5

Lab File ID: 385938D1.asc ICS Source: ME_ICSAB_DUO_00085

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**505300**	**101**
Antimony	**100**	**94.4**	**94**
Arsenic	**100**	**98.4**	**98**
Barium	**100**	**106**	**106**
Beryllium	**100**	**102**	**102**
Cadmium	**100**	**97.6**	**98**
Calcium	**500000**	**506400**	**101**
Chromium	**100**	**100**	**100**
Cobalt	**100**	**94.5**	**94**
Copper	**100**	**106**	**106**
Iron	**200000**	**196900**	**98**
Lead	**100**	**97.3**	**97**
Magnesium	**500000**	**509500**	**102**
Manganese	**100**	**103**	**103**
Nickel	**100**	**91.3**	**91**
Potassium	**10000**	**9937**	**99**
Selenium	**100**	**94.7**	**95**
Silver	**100**	**107**	**107**
Sodium	**10000**	**9946**	**99**
Thallium	**100**	**92.8**	**93**
Vanadium	**100**	**103**	**103**
Zinc	**100**	**103**	**103**
Boron	*100*	*94.8*	*95*
Molybdenum	*100*	*97.5*	*98*
Strontium	*100*	*101*	*101*
Tin	*100*	*96.8*	*97*
Titanium	*100*	*108*	*108*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSA 460-386100/10 Instrument ID: ICP5

Lab File ID: 385974D1.asc ICS Source: ME_ICSA_Duo_00071

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**496400**	**99**
Antimony		**-5.51**	
Arsenic		**1.14**	
Barium		**-0.944**	
Beryllium		**0.0912**	
Cadmium		**1.34**	
Calcium	**500000**	**504800**	**101**
Chromium		**-1.51**	
Cobalt		**-6.69**	
Copper		**-6.82**	
Iron	**200000**	**195600**	**98**
Lead		**2.05**	
Magnesium	**500000**	**501500**	**100**
Manganese		**4.61**	
Nickel		**-4.75**	
Potassium		**32.1**	
Selenium		**-3.39**	
Silver		**4.67**	
Sodium		**-8.50**	
Thallium		**-6.27**	
Vanadium		**-2.78**	
Zinc		**-2.97**	
Boron		*-3.42*	
Molybdenum		*-0.131*	
Strontium		*-1.31*	
Tin		*-0.465*	
Titanium		*0.404*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSAB 460-386100/11 Instrument ID: ICP5

Lab File ID: 385974D1.asc ICS Source: ME_ICSAB_DUO_00085

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**497300**	**99**
Antimony	**100**	**87.5**	**88**
Arsenic	**100**	**92.7**	**93**
Barium	**100**	**105**	**105**
Beryllium	**100**	**102**	**102**
Cadmium	**100**	**98.5**	**99**
Calcium	**500000**	**508900**	**102**
Chromium	**100**	**101**	**101**
Cobalt	**100**	**89.7**	**90**
Copper	**100**	**98.9**	**99**
Iron	**200000**	**197500**	**99**
Lead	**100**	**102**	**102**
Magnesium	**500000**	**506600**	**101**
Manganese	**100**	**108**	**108**
Nickel	**100**	**91.5**	**91**
Potassium	**10000**	**9819**	**98**
Selenium	**100**	**106**	**106**
Silver	**100**	**110**	**110**
Sodium	**10000**	**9677**	**97**
Thallium	**100**	**88.6**	**89**
Vanadium	**100**	**99.5**	**99**
Zinc	**100**	**102**	**102**
Boron	*100*	*95.7*	*96*
Molybdenum	*100*	*95.1*	*95*
Strontium	*100*	*101*	*101*
Tin	*100*	*101*	*101*
Titanium	*100*	*108*	*108*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSA 460-386317/10 Instrument ID: ICP5

Lab File ID: 385969D1.asc ICS Source: ME_ICSA_Duo_00071

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Selenium		**-4.38**	
Thallium		**-6.25**	
Aluminum	*500000*	*503200*	*101*
Antimony		*-9.79*	
Arsenic		*-7.82*	
Barium		*2.07*	
Beryllium		*-0.120*	
Boron		*-2.95*	
Cadmium		*2.94*	
Calcium	*500000*	*496100*	*99*
Chromium		*-0.412*	
Cobalt		*0.628*	
Copper		*-2.56*	
Iron	*200000*	*192200*	*96*
Lead		*1.05*	
Magnesium	*500000*	*497200*	*99*
Manganese		*2.20*	
Molybdenum		*-0.559*	
Nickel		*0.284*	
Potassium		*32.2*	
Silver		*-0.0053*	
Sodium		*37.0*	
Strontium		*-0.928*	
Tin		*0.562*	
Titanium		*2.60*	
Vanadium		*-3.69*	
Zinc		*-1.67*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSAB 460-386317/11 Instrument ID: ICP5

Lab File ID: 385969D1.asc ICS Source: ME_ICSAB_DUO_00085

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Selenium	**100**	**96.7**	**97**
Thallium	**100**	**92.9**	**93**
Aluminum	*500000*	*496600*	*99*
Antimony	*100*	*92.4*	*92*
Arsenic	*100*	*95.7*	*96*
Barium	*100*	*109*	*109*
Beryllium	*100*	*99.9*	*100*
Boron	*100*	*98.9*	*99*
Cadmium	*100*	*99.8*	*100*
Calcium	*500000*	*521100*	*104*
Chromium	*100*	*106*	*106*
Cobalt	*100*	*99.8*	*100*
Copper	*100*	*109*	*109*
Iron	*200000*	*201300*	*101*
Lead	*100*	*98.5*	*98*
Magnesium	*500000*	*521500*	*104*
Manganese	*100*	*110*	*110*
Molybdenum	*100*	*97.2*	*97*
Nickel	*100*	*98.9*	*99*
Potassium	*10000*	*9663*	*97*
Silver	*100*	*111*	*111*
Sodium	*10000*	*9617*	*96*
Strontium	*100*	*99.0*	*99*
Tin	*100*	*96.5*	*96*
Titanium	*100*	*112*	*112*
Vanadium	*100*	*101*	*101*
Zinc	*100*	*101*	*101*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSA 460-386580/10 Instrument ID: ICP5

Lab File ID: 386463D1.asc ICS Source: ME_ICSA_Duo_00071

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**487500**	**98**
Antimony		**-8.47**	
Arsenic		**-6.63**	
Barium		**-1.65**	
Beryllium		**-0.162**	
Cadmium		**0.871**	
Calcium	**500000**	**483000**	**97**
Chromium		**-0.162**	
Cobalt		**1.38**	
Copper		**-2.57**	
Iron	**200000**	**190800**	**95**
Lead		**-2.62**	
Magnesium	**500000**	**495900**	**99**
Manganese		**-0.656**	
Nickel		**-0.273**	
Potassium		**-22.7**	
Selenium		**-5.75**	
Silver		**1.70**	
Sodium		**20.8**	
Thallium		**0.620**	
Vanadium		**0.0604**	
Zinc		**-1.95**	
Boron		*-3.35*	
Molybdenum		*0.136*	
Strontium		*-1.02*	
Tin		*-0.239*	
Titanium		*1.57*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSAB 460-386580/11 Instrument ID: ICP5

Lab File ID: 386463D1.asc ICS Source: ME_ICSAB_DUO_00085

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**495800**	**99**
Antimony	**100**	**86.4**	**86**
Arsenic	**100**	**89.0**	**89**
Barium	**100**	**102**	**102**
Beryllium	**100**	**99.0**	**99**
Cadmium	**100**	**95.6**	**96**
Calcium	**500000**	**494800**	**99**
Chromium	**100**	**101**	**101**
Cobalt	**100**	**98.4**	**98**
Copper	**100**	**105**	**105**
Iron	**200000**	**195300**	**98**
Lead	**100**	**96.3**	**96**
Magnesium	**500000**	**507000**	**101**
Manganese	**100**	**103**	**103**
Nickel	**100**	**96.8**	**97**
Potassium	**10000**	**9695**	**97**
Selenium	**100**	**96.7**	**97**
Silver	**100**	**106**	**106**
Sodium	**10000**	**9940**	**99**
Thallium	**100**	**97.8**	**98**
Vanadium	**100**	**101**	**101**
Zinc	**100**	**98.1**	**98**
Boron	*100*	*95.8*	*96*
Molybdenum	*100*	*94.8*	*95*
Strontium	*100*	*98.8*	*99*
Tin	*100*	*99.0*	*99*
Titanium	*100*	*105*	*105*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSA 460-386754/10 Instrument ID: ICP5

Lab File ID: 386482D1.asc ICS Source: ME_ICSA_Duo_00071

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**498000**	**100**
Antimony		**-5.98**	
Arsenic		**1.61**	
Barium		**-1.21**	
Beryllium		**-0.0171**	
Cadmium		**0.635**	
Calcium	**500000**	**490800**	**98**
Chromium		**-0.157**	
Cobalt		**0.955**	
Copper		**-5.36**	
Iron	**200000**	**192700**	**96**
Lead		**-7.70**	
Magnesium	**500000**	**499600**	**100**
Manganese		**-2.56**	
Nickel		**0.608**	
Potassium		**-5.49**	
Selenium		**-4.37**	
Silver		**3.86**	
Sodium		**26.6**	
Thallium		**7.25**	
Vanadium		**-0.354**	
Zinc		**-1.91**	
Boron		*-3.48*	
Molybdenum		*-0.0272*	
Strontium		*-0.914*	
Tin		*-0.428*	
Titanium		*1.75*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Lab Sample ID: ICSAB 460-386754/11 Instrument ID: ICP5

Lab File ID: 386482D1.asc ICS Source: ME_ICSAB_DUO_00085

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**499700**	**100**
Antimony	**100**	**91.3**	**91**
Arsenic	**100**	**97.6**	**98**
Barium	**100**	**102**	**102**
Beryllium	**100**	**100**	**100**
Cadmium	**100**	**95.9**	**96**
Calcium	**500000**	**494300**	**99**
Chromium	**100**	**100**	**100**
Cobalt	**100**	**97.6**	**98**
Copper	**100**	**101**	**101**
Iron	**200000**	**194100**	**97**
Lead	**100**	**92.8**	**93**
Magnesium	**500000**	**503000**	**101**
Manganese	**100**	**101**	**101**
Nickel	**100**	**96.3**	**96**
Potassium	**10000**	**9838**	**98**
Selenium	**100**	**88.7**	**89**
Silver	**100**	**108**	**108**
Sodium	**10000**	**9850**	**99**
Thallium	**100**	**105**	**105**
Vanadium	**100**	**99.2**	**99**
Zinc	**100**	**97.3**	**97**
Boron	*100*	*95.9*	*96*
Molybdenum	*100*	*95.2*	*95*
Strontium	*100*	*101*	*101*
Tin	*100*	*96.7*	*97*
Titanium	*100*	*106*	*106*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SB-8 (2-4) 08182016 MS
Lab ID: 460-118857-5 MS
Lab Name: TestAmerica Edison
Job No.: 460-118857-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 95.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7773		7470		174	172	75-125	4	6010C
Antimony	24.13		3.6	U	43.5	55	75-125	N	6010C
Arsenic	177.0		4.2		174	99	75-125		6010C
Barium	380.9		200		174	104	75-125		6010C
Beryllium	4.62		0.36	U	4.35	106	75-125		6010C
Cadmium	4.44		0.72	U	4.35	102	75-125		6010C
Calcium	55270		52600		1740	155	75-125	4	6010C
Chromium	31.70		17.2		17.4	84	75-125		6010C
Cobalt	47.19		4.5	J	43.5	98	75-125		6010C
Copper	40.16		20.0		21.8	93	75-125		6010C
Iron	9903		11300		87.0	-1599	75-125	4	6010C
Lead	253.2		363		43.5	-252	75-125	4	6010C
Magnesium	5712		4930		1740	45	75-125	N	6010C
Manganese	234.3		256		43.5	-51	75-125	4	6010C
Nickel	54.97		12.7		43.5	97	75-125		6010C
Potassium	2824		1330		1740	86	75-125		6010C
Selenium	168.7		3.6	U	174	97	75-125		6010C
Silver	4.36		1.8	U	4.35	100	75-125		6010C
Sodium	2035		276	J	1740	101	75-125		6010C
Thallium	172.8		3.6	U	174	99	75-125		6010C
Vanadium	60.42		19.2		43.5	95	75-125		6010C
Zinc	245.8		208		43.5	87	75-125	4	6010C
Mercury	0.214		0.14		0.0810	94	75-125		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: Lab ID: 460-118876-A-7-C MS ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids: 90.4

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	11840		11400		170	235	75-125	4	6010C
Antimony	14.45		3.6	U	42.6	34	75-125	N	6010C
Arsenic	166.1		6.1		170	94	75-125		6010C
Barium	281.9		121		170	94	75-125		6010C
Beryllium	4.91		0.35	J	4.26	107	75-125		6010C
Cadmium	4.33		0.71	U	4.26	102	75-125		6010C
Calcium	62700		50200		1700	737	75-125	4	6010C
Chromium	44.28		26.5		17.0	104	75-125		6010C
Cobalt	46.79		6.2	J	42.6	95	75-125		6010C
Copper	67.88		33.3		21.3	162	75-125	N	6010C
Iron	20740		18300		85.1	2868	75-125	4	6010C
Lead	162.4		95.7		42.6	157	75-125	N	6010C
Magnesium	18560		9140		1700	553	75-125	4	6010C
Manganese	405.0		285		42.6	282	75-125	4	6010C
Nickel	60.03		19.2		42.6	96	75-125		6010C
Potassium	3533		2370		1700	68	75-125	N	6010C
Selenium	167.0		3.6	U	170	98	75-125		6010C
Silver	4.75		0.58	J	4.26	98	75-125		6010C
Sodium	2419		908		1700	89	75-125		6010C
Thallium	156.8		3.6	U	170	92	75-125		6010C
Vanadium	77.31		32.6		42.6	105	75-125		6010C
Zinc	191.9		146		42.6	107	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-118911-D-8-C MS ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.: _____

Matrix: Solid Concentration Units: mg/Kg

% Solids: 89.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	20680		15800		174	2813	75-125	4	6010C
Antimony	15.31		3.6	U	43.5	35	75-125	N	6010C
Arsenic	165.0		2.7	U	174	95	75-125		6010C
Barium	282.4		82.8		174	115	75-125		6010C
Beryllium	5.35		0.73		4.35	106	75-125		6010C
Cadmium	3.80		0.72	U	4.35	87	75-125		6010C
Calcium	2138		296	J	1740	106	75-125		6010C
Chromium	41.21		18.1		17.4	133	75-125	N	6010C
Cobalt	50.44		5.1	J	43.5	104	75-125		6010C
Copper	25.16		4.1	J	21.8	97	75-125		6010C
Iron	22150		17400		87.1	5503	75-125	4	6010C
Lead	54.32		8.6		43.5	105	75-125		6010C
Magnesium	7549		4550		1740	172	75-125	N	6010C
Manganese	301.6		205		43.5	223	75-125	4	6010C
Nickel	62.85		14.0		43.5	112	75-125		6010C
Potassium	9698		5950		1740	215	75-125	N	6010C
Selenium	158.6		3.6	U	174	91	75-125		6010C
Silver	4.42		1.8	U	4.35	102	75-125		6010C
Sodium	1799		131	J	1740	96	75-125		6010C
Thallium	178.3		3.6	U	174	102	75-125		6010C
Vanadium	66.28		17.9		43.5	111	75-125		6010C
Zinc	144.3		76.7		43.5	155	75-125	N	6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: Lab ID: 460-118952-G-5-A MS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids: 98.1

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.109		0.022		0.0761	115	75-125		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-118859-D-1-C MS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	2044		200	U	2000	102	75-125		6010C
Antimony	489.0		20.0	U	500	98	75-125		6010C
Arsenic	2038		15.0	U	2000	102	75-125		6010C
Barium	2195		82.8	J	2000	106	75-125		6010C
Beryllium	52.39		2.0	U	50.0	105	75-125		6010C
Cadmium	52.33		4.0	U	50.0	105	75-125		6010C
Calcium	37940		17200		20000	104	75-125		6010C
Chromium	208.5		10.0	U	200	104	75-125		6010C
Cobalt	533.8		12.4	J	500	104	75-125		6010C
Copper	258.1		10.0	J	250	99	75-125		6010C
Iron	1295		260		1000	103	75-125		6010C
Lead	526.7		10.0	U	500	105	75-125		6010C
Magnesium	24070		4780	J	20000	96	75-125		6010C
Manganese	910.0		374		500	107	75-125		6010C
Nickel	536.7		6.4	J	500	106	75-125		6010C
Potassium	27930		7780		20000	101	75-125		6010C
Selenium	2002		20.0	U	2000	100	75-125		6010C
Silver	48.82		10.0	U	50.0	98	75-125		6010C
Sodium	125600		99000		20000	133	75-125	4	6010C
Thallium	2093		20.0	U	2000	105	75-125		6010C
Vanadium	513.1		50.0	U	500	103	75-125		6010C
Zinc	652.7		110		500	109	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-118898-G-4-B MS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.993		0.20	U	1.00	99	80-120		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: SB-8 (2-4) 08182016 PDS Lab ID: 460-118857-5 PDS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7932		7470		360	NC	80-120		6010C
Antimony	82.92		3.6	U	90.0	92	80-120		6010C
Arsenic	354.1		4.2		360	97	80-120		6010C
Barium	555.4		200		360	99	80-120		6010C
Beryllium	9.26		0.36	U	9.00	103	80-120		6010C
Cadmium	8.83		0.72	U	9.00	98	80-120		6010C
Calcium	61840		52600		9000	103	80-120		6010C
Chromium	52.46		17.2		36.0	98	80-120		6010C
Cobalt	92.27		4.5	J	90.0	97	80-120		6010C
Copper	64.11		20.0		45.0	98	80-120		6010C
Iron	11390		11300		180	NC	80-120		6010C
Lead	584.2		363		225	98	80-120		6010C
Magnesium	8271		4930		3600	93	80-120		6010C
Manganese	343.1		256		90.0	96	80-120		6010C
Nickel	101.2		12.7		90.0	98	80-120		6010C
Potassium	4706		1330		3600	94	80-120		6010C
Selenium	343.9		3.6	U	360	95	80-120		6010C
Silver	8.78		1.8	U	9.00	98	80-120		6010C
Sodium	3710		276	J	3600	95	80-120		6010C
Thallium	352.7		3.6	U	360	98	80-120		6010C
Vanadium	106.9		19.2		90.0	97	80-120		6010C
Zinc	294.5		208		90.0	96	80-120		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: Lab ID: 460-118876-A-7-A PDS ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	11250		11400		357	NC	80-120		6010C
Antimony	75.70		3.6	U	89.2	85	80-120		6010C
Arsenic	334.1		6.1		357	92	80-120		6010C
Barium	471.0		121		357	98	80-120		6010C
Beryllium	9.22		0.35	J	8.92	99	80-120		6010C
Cadmium	8.63		0.71	U	8.92	97	80-120		6010C
Calcium	60690		50200		8920	118	80-120		6010C
Chromium	61.47		26.5		35.7	98	80-120		6010C
Cobalt	89.43		6.2	J	89.2	93	80-120		6010C
Copper	73.83		33.3		44.6	91	80-120		6010C
Iron	17960		18300		178	NC	80-120		6010C
Lead	179.2		95.7		89.2	94	80-120		6010C
Magnesium	12270		9140		3570	88	80-120		6010C
Manganese	366.4		285		89.2	91	80-120		6010C
Nickel	102.0		19.2		89.2	93	80-120		6010C
Potassium	5442		2370		3570	86	80-120		6010C
Selenium	345.9		3.6	U	357	97	80-120		6010C
Silver	9.17		0.58	J	8.92	96	80-120		6010C
Sodium	4057		908		3570	88	80-120		6010C
Thallium	324.9		3.6	U	357	91	80-120		6010C
Vanadium	119.6		32.6		89.2	97	80-120		6010C
Zinc	231.9		146		89.2	96	80-120		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: Lab ID: 460-118911-D-8-A PDS ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	16570		15800		362	NC	80-120		6010C
Antimony	75.73		3.6	U	90.6	84	80-120		6010C
Arsenic	325.5		2.7	U	362	90	80-120		6010C
Barium	433.6		82.8		362	97	80-120		6010C
Beryllium	9.75		0.73		9.06	100	80-120		6010C
Cadmium	8.08		0.72	U	9.06	89	80-120		6010C
Calcium	3775		296	J	3620	96	80-120		6010C
Chromium	54.70		18.1		36.2	101	80-120		6010C
Cobalt	91.38		5.1	J	90.6	95	80-120		6010C
Copper	45.16		4.1	J	45.3	91	80-120		6010C
Iron	17320		17400		181	NC	80-120		6010C
Lead	94.95		8.6		90.6	95	80-120		6010C
Magnesium	7941		4550		3620	94	80-120		6010C
Manganese	293.1		205		90.6	98	80-120		6010C
Nickel	102.0		14.0		90.6	97	80-120		6010C
Potassium	9464		5950		3620	97	80-120		6010C
Selenium	313.0		3.6	U	362	86	80-120		6010C
Silver	8.45		1.8	U	9.06	93	80-120		6010C
Sodium	3422		131	J	3620	91	80-120		6010C
Thallium	349.0		3.6	U	362	96	80-120		6010C
Vanadium	105.1		17.9		90.6	96	80-120		6010C
Zinc	167.0		76.7		90.6	100	80-120		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: Lab ID: 460-118859-D-1-A PDS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Matrix: Water Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	1953		200	U	2000	98	80-120		6010C
Antimony	464.7		20.0	U	500	93	80-120		6010C
Arsenic	1951		15.0	U	2000	98	80-120		6010C
Barium	2098		82.8	J	2000	101	80-120		6010C
Beryllium	50.06		2.0	U	50.0	100	80-120		6010C
Cadmium	50.45		4.0	U	50.0	101	80-120		6010C
Calcium	36100		17200		20000	94	80-120		6010C
Chromium	202.1		10.0	U	200	101	80-120		6010C
Cobalt	513.7		12.4	J	500	100	80-120		6010C
Copper	247.1		10.0	J	250	95	80-120		6010C
Iron	1270		260		1000	101	80-120		6010C
Lead	510.2		10.0	U	500	102	80-120		6010C
Magnesium	23160		4780	J	20000	92	80-120		6010C
Manganese	864.9		374		500	98	80-120		6010C
Nickel	517.2		6.4	J	500	102	80-120		6010C
Potassium	26370		7780		20000	93	80-120		6010C
Selenium	1923		20.0	U	2000	96	80-120		6010C
Silver	47.20		10.0	U	50.0	94	80-120		6010C
Sodium	115900		99000		20000	84	80-120		6010C
Thallium	2020		20.0	U	2000	101	80-120		6010C
Vanadium	493.2		50.0	U	500	99	80-120		6010C
Zinc	631.0		110		500	104	80-120		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: SB-8 (2-4) 08182016 DU | Lab ID: 460-118857-5 DU

Lab Name: TestAmerica Edison | Job No.: 460-118857-1

SDG No.:

% Solids for Sample: 95.0 | % Solids for Duplicate: 96.0

Matrix: Solid | Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	34.2	7470		7664		3		6010C
Antimony	3.4	3.6	U	3.4	U	NC		6010C
Arsenic	2.6	4.2		6.68		46		6010C
Barium	34.2	200		202.3		1		6010C
Beryllium	0.34	0.36	U	0.34	U	NC		6010C
Cadmium	0.68	0.72	U	0.68	U	NC		6010C
Calcium	2140	52600		57280		9		6010C
Chromium	1.7	17.2		24.52		35	*	6010C
Cobalt	8.5	4.5	J	4.68	J	3		6010C
Copper	4.3	20.0		25.27		23	*	6010C
Iron	25.6	11300		11750		4		6010C
Lead	4.3	363		306.9		17		6010C
Magnesium	854	4930		4442		10		6010C
Manganese	2.6	256		205.9		22	*	6010C
Nickel	6.8	12.7		12.76		0.4		6010C
Potassium	854	1330		1229		8		6010C
Selenium	3.4	3.6	U	3.4	U	NC		6010C
Silver	1.7	1.8	U	1.7	U	NC		6010C
Sodium	854	276	J	354.7	J	25		6010C
Thallium	3.4	3.6	U	3.4	U	NC		6010C
Vanadium	8.5	19.2		18.33		4		6010C
Zinc	5.1	208		248.9		18		6010C
Mercury	0.016	0.14		0.145		4		7471B

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: Lab ID: 460-118876-A-7-B DU ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

% Solids for Sample: 90.4 % Solids for Duplicate: 90.4

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	35.1	11400		12310		7		6010C
Antimony	3.5	3.6	U	3.5	U	NC		6010C
Arsenic	2.6	6.1		4.56		28		6010C
Barium	35.1	121		131.8		8		6010C
Beryllium	0.35	0.35	J	0.535		43		6010C
Cadmium	0.70	0.71	U	0.70	U	NC		6010C
Calcium	2200	50200		57130		13		6010C
Chromium	1.8	26.5		46.32		54	*	6010C
Cobalt	8.8	6.2	J	6.91	J	11		6010C
Copper	4.4	33.3		29.93		11		6010C
Iron	26.3	18300		18640		2		6010C
Lead	1.8	95.7		101.9		6		6010C
Magnesium	878	9140		9624		5		6010C
Manganese	2.6	285		416.0		37	*	6010C
Nickel	7.0	19.2		15.93		19		6010C
Potassium	878	2370		2407		2		6010C
Selenium	3.5	3.6	U	3.5	U	NC		6010C
Silver	1.8	0.58	J	0.575	J	1		6010C
Sodium	878	908		806.8	J	12		6010C
Thallium	3.5	3.6	U	3.5	U	NC		6010C
Vanadium	8.8	32.6		35.68		9		6010C
Zinc	5.3	146		147.3		0.6		6010C

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: Lab ID: 460-118911-D-8-B DU

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

% Solids for Sample: 89.0 % Solids for Duplicate: 89.0

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	35.9	15800		18780		17		6010C
Antimony	3.6	3.6	U	3.6	U	NC		6010C
Arsenic	2.7	2.7	U	2.7	U	NC		6010C
Barium	35.9	82.8		95.91		15		6010C
Beryllium	0.36	0.73		0.891		19		6010C
Cadmium	0.72	0.72	U	0.72	U	NC		6010C
Calcium	898	296	J	344.1	J	15		6010C
Chromium	1.8	18.1		21.65		18		6010C
Cobalt	9.0	5.1	J	5.88	J	14		6010C
Copper	4.5	4.1	J	4.91		17		6010C
Iron	27.0	17400		19870		14		6010C
Lead	1.8	8.6		9.63		11		6010C
Magnesium	898	4550		5196		13		6010C
Manganese	2.7	205		241.3		16		6010C
Nickel	7.2	14.0		16.28		15		6010C
Potassium	898	5950		6846		14		6010C
Selenium	3.6	3.6	U	3.6	U	NC		6010C
Silver	1.8	1.8	U	1.8	U	NC		6010C
Sodium	898	131	J	154.7	J	16		6010C
Thallium	3.6	3.6	U	3.6	U	NC		6010C
Vanadium	9.0	17.9		20.59		14		6010C
Zinc	5.4	76.7		87.16		13		6010C

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: Lab ID: 460-118952-A-5-E DU

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

% Solids for Sample: 98.1 % Solids for Duplicate: 98.1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.016	0.022		0.0259		16		7471B

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: Lab ID: 460-118859-D-1-B DU

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	200	200	U	200	U	NC		6010C
Antimony	20.0	20.0	U	20.0	U	NC		6010C
Arsenic	15.0	15.0	U	15.0	U	NC		6010C
Barium	200	82.8	J	86.83	J	5		6010C
Beryllium	2.0	2.0	U	2.0	U	NC		6010C
Cadmium	4.0	4.0	U	4.0	U	NC		6010C
Calcium	5000	17200		18140		5		6010C
Chromium	10.0	10.0	U	10.0	U	NC		6010C
Cobalt	50.0	12.4	J	13.45	J	8		6010C
Copper	25.0	10.0	J	10.68	J	6		6010C
Iron	150	260		264.5		2		6010C
Lead	10.0	10.0	U	4.36	J	NC		6010C
Magnesium	5000	4780	J	5042		5		6010C
Manganese	15.0	374		393.2		5		6010C
Nickel	40.0	6.4	J	7.23	J	13		6010C
Potassium	5000	7780		8233		6		6010C
Selenium	20.0	20.0	U	20.0	U	NC		6010C
Silver	10.0	10.0	U	10.0	U	NC		6010C
Sodium	5000	99000		103700		5		6010C
Thallium	20.0	20.0	U	20.0	U	NC		6010C
Vanadium	50.0	50.0	U	50.0	U	NC		6010C
Zinc	30.0	110		114.1		4		6010C

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: Lab ID: 460-118898-A-4-A DU

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.20	U	0.20	U	NC		7470A

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

FORM VI-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-385938/2-A ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Solid LCS Source: ME_LCSS_92_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8080	7905		97.8	49.4	151.0		6010C
Antimony	88.2	50.41		57.2	2.2	197.3		6010C
Arsenic	57.0	56.35		98.9	75.1	124.9		6010C
Barium	110	117.5		106.8	82.4	118.2		6010C
Beryllium	67.5	69.11		102.4	82.8	117.2		6010C
Cadmium	77.8	81.40		104.6	82.8	117.2		6010C
Calcium	6450	6311		97.8	82.2	117.7		6010C
Chromium	65.0	68.21		104.9	79.1	121.1		6010C
Cobalt	58.8	62.89		107.0	83.8	116.3		6010C
Copper	56.4	55.90		99.1	80.5	119.7		6010C
Iron	14700	14920		101.5	45.6	154.4		6010C
Magnesium	2710	2592		95.7	75.6	124.0		6010C
Manganese	273	291.5		106.8	81.0	118.7		6010C
Nickel	61.3	65.94		107.6	82.5	117.5		6010C
Potassium	2420	2320		95.9	69.4	131.0		6010C
Selenium	78.9	77.30		98.0	77.6	122.4		6010C
Silver	54.2	52.68		97.2	74.7	125.3		6010C
Sodium	914	875.1	J	95.7	71.6	128.0		6010C
Thallium	178	196.3		110.3	79.2	120.2		6010C
Vanadium	56.3	57.34		101.8	77.1	122.9		6010C
Zinc	198	207.4		104.7	82.3	117.2		6010C

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-385938/2-A ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Solid LCS Source: ME_LCSS_92_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Lead	85.6	84.39		98.6	82.0	118.0		6010C

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-385942/2-A ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Solid LCS Source: ME_LCSS_92_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8080	8351		103.4	49.4	151.0		6010C
Antimony	88.2	35.03		39.7	2.2	197.3		6010C
Arsenic	57.0	54.02		94.8	75.1	124.9		6010C
Barium	110	114.6		104.2	82.4	118.2		6010C
Beryllium	67.5	70.33		104.2	82.8	117.2		6010C
Cadmium	77.8	78.43		100.8	82.8	117.2		6010C
Calcium	6450	6728		104.3	82.2	117.7		6010C
Chromium	65.0	69.11		106.3	79.1	121.1		6010C
Cobalt	58.8	61.20		104.1	83.8	116.3		6010C
Copper	56.4	53.07		94.1	80.5	119.7		6010C
Iron	14700	14820		100.8	45.6	154.4		6010C
Lead	85.6	82.83		96.8	82.0	118.0		6010C
Magnesium	2710	2701		99.7	75.6	124.0		6010C
Manganese	273	283.3		103.8	81.0	118.7		6010C
Nickel	61.3	65.44		106.7	82.5	117.5		6010C
Potassium	2420	2388		98.7	69.4	131.0		6010C
Selenium	78.9	72.60		92.0	77.6	122.4		6010C
Silver	54.2	51.53		95.1	74.7	125.3		6010C
Sodium	914	857.7	J	93.8	71.6	128.0		6010C
Thallium	178	192.7		108.2	79.2	120.2		6010C
Vanadium	56.3	56.31		100.0	77.1	122.9		6010C
Zinc	198	216.1		109.1	82.3	117.2		6010C

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-385941/2-A ^4

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Solid LCS Source: ME_LCSS_92_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8080	8091		100.1	49.4	151.0		6010C
Antimony	88.2	45.21		51.3	2.2	197.3		6010C
Arsenic	57.0	54.38		95.4	75.1	124.9		6010C
Barium	110	118.2		107.4	82.4	118.2		6010C
Beryllium	67.5	70.75		104.8	82.8	117.2		6010C
Cadmium	77.8	80.71		103.7	82.8	117.2		6010C
Calcium	6450	6715		104.1	82.2	117.7		6010C
Chromium	65.0	70.38		108.3	79.1	121.1		6010C
Cobalt	58.8	60.77		103.4	83.8	116.3		6010C
Copper	56.4	53.66		95.1	80.5	119.7		6010C
Iron	14700	15640		106.4	45.6	154.4		6010C
Lead	85.6	83.76		97.9	82.0	118.0		6010C
Magnesium	2710	2671		98.6	75.6	124.0		6010C
Manganese	273	290.3		106.3	81.0	118.7		6010C
Nickel	61.3	63.68		103.9	82.5	117.5		6010C
Potassium	2420	2331		96.3	69.4	131.0		6010C
Selenium	78.9	80.85		102.5	77.6	122.4		6010C
Silver	54.2	53.66		99.0	74.7	125.3		6010C
Sodium	914	839.8	J	91.9	71.6	128.0		6010C
Thallium	178	185.7		104.3	79.2	120.2		6010C
Vanadium	56.3	59.15		105.1	77.1	122.9		6010C
Zinc	198	221.0		111.6	82.3	117.2		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-386232/2-A

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Water LCS Source: ME_LCS-int_00058

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	2000	1900		95	80	120		6010C
Antimony	500	456.6		91	80	120		6010C
Arsenic	2000	1892		95	80	120		6010C
Barium	2000	2003		100	80	120		6010C
Beryllium	50.0	49.63		99	80	120		6010C
Cadmium	50.0	49.85		100	80	120		6010C
Calcium	20000	18600		93	80	120		6010C
Chromium	200	198.6		99	80	120		6010C
Cobalt	500	495.8		99	80	120		6010C
Copper	250	226.7		91	80	120		6010C
Iron	1000	986.6		99	80	120		6010C
Lead	500	504.3		101	80	120		6010C
Magnesium	20000	17970		90	80	120		6010C
Manganese	500	493.0		99	80	120		6010C
Nickel	500	507.4		101	80	120		6010C
Potassium	20000	18690		93	80	120		6010C
Selenium	2000	1867		93	80	120		6010C
Silver	50.0	45.64		91	80	120		6010C
Sodium	20000	18610		93	80	120		6010C
Thallium	2000	2035		102	80	120		6010C
Vanadium	500	485.6		97	80	120		6010C
Zinc	500	513.8		103	80	120		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-386526/2-A

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_02543

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.906		91	80	120		7470A

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-385761/2-A ^20

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Solid LCS Source: ME_LCSS_92_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	12.3	10.60		86.2	64.1	135.8		7471B

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-385991/2-A ^20

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Solid LCS Source: ME_LCSS_92_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	12.3	12.14		98.7	64.1	135.8		7471B

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-386003/2-A ^20

Lab Name: TestAmerica Edison Job No.: 460-118857-1

Sample Matrix: Solid LCS Source: ME_LCSS_92_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	12.3	12.11		98.5	64.1	135.8		7471B

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-118857-5

SDG No:

Lab Name: TestAmerica Edison Job No: 460-118857-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	7620		7407		2.8		6010C
Antimony	9.0	U	18.0	U	NC		6010C
Arsenic	5.1	J	5.49	J	NC		6010C
Barium	201		203.0		NC		6010C
Beryllium	0.90	U	1.8	U	NC		6010C
Cadmium	1.8	U	3.6	U	NC		6010C
Calcium	52600		50930		NC		6010C
Chromium	18.1		17.35		NC		6010C
Cobalt	4.6	J	45.0	U	NC		6010C
Copper	18.4		19.48	J	NC		6010C
Iron	12400		11770		4.8		6010C
Lead	363		364.3		0.40		6010C
Magnesium	5330		5050		NC		6010C
Manganese	269		260.9		3.0		6010C
Nickel	13.1	J	11.98	J	NC		6010C
Potassium	1360	J	1309	J	NC		6010C
Selenium	9.0	U	18.0	U	NC		6010C
Silver	4.5	U	9.0	U	NC		6010C
Sodium	301	J	4500	U	NC		6010C
Thallium	9.0	U	18.0	U	NC		6010C
Vanadium	19.9	J	19.33	J	NC		6010C
Zinc	231		216.8		NC		6010C

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-118876-A-7-A SD ^20

SDG No:

Lab Name: TestAmerica Edison Job No: 460-118857-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	10800		11250		4.6		6010C
Antimony	8.9	U	17.8	U	NC		6010C
Arsenic	5.6	J	6.64	J	NC		6010C
Barium	118		121.1	J	NC		6010C
Beryllium	0.89	U	1.8	U	NC		6010C
Cadmium	1.8	U	3.6	U	NC		6010C
Calcium	50200		47950		NC		6010C
Chromium	25.9		27.43		NC		6010C
Cobalt	6.0	J	6.36	J	NC		6010C
Copper	31.3		31.79		NC		6010C
Iron	17900		19040		6.4		6010C
Lead	95.0		98.80		4.0		6010C
Magnesium	8750		9433		NC		6010C
Manganese	276		291.0		5.4		6010C
Nickel	18.2		19.94	J	NC		6010C
Potassium	2250		2296	J	NC		6010C
Selenium	8.9	U	17.8	U	NC		6010C
Silver	4.5	U	8.9	U	NC		6010C
Sodium	809	J	835.1	J	NC		6010C
Thallium	8.9	U	17.8	U	NC		6010C
Vanadium	31.5		32.23	J	NC		6010C
Zinc	147		152.7		NC		6010C

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-118911-D-8-A SD ^20

SDG No:

Lab Name: TestAmerica Edison Job No: 460-118857-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	15800		16090		1.9		6010C
Antimony	3.6	U	18.1	U	NC		6010C
Arsenic	2.7	U	13.6	U	NC		6010C
Barium	82.8		83.24	J	NC		6010C
Beryllium	0.73		1.8	U	NC		6010C
Cadmium	0.72	U	3.6	U	NC		6010C
Calcium	296	J	301.9	J	NC		6010C
Chromium	18.1		17.92		NC		6010C
Cobalt	5.1	J	5.35	J	NC		6010C
Copper	4.1	J	22.6	U	NC		6010C
Iron	17400		17950		3.4		6010C
Lead	8.6		7.26	J	NC		6010C
Magnesium	4550		4676		NC		6010C
Manganese	205		212.4		3.8		6010C
Nickel	14.0		14.63	J	NC		6010C
Potassium	5950		6094		NC		6010C
Selenium	3.6	U	18.1	U	NC		6010C
Silver	1.8	U	9.1	U	NC		6010C
Sodium	131	J	4530	U	NC		6010C
Thallium	3.6	U	18.1	U	NC		6010C
Vanadium	17.9		17.83	J	NC		6010C
Zinc	76.7		77.16		NC		6010C

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-118859-D-1-A SD ^5

SDG No:

Lab Name: TestAmerica Edison Job No: 460-118857-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	200	U	1000	U	NC		6010C
Antimony	20.0	U	100	U	NC		6010C
Arsenic	15.0	U	75.0	U	NC		6010C
Barium	82.8	J	81.50	J	NC		6010C
Beryllium	2.0	U	10.0	U	NC		6010C
Cadmium	4.0	U	20.0	U	NC		6010C
Calcium	17200		17130	J	NC		6010C
Chromium	10.0	U	50.0	U	NC		6010C
Cobalt	12.4	J	250	U	NC		6010C
Copper	10.0	J	125	U	NC		6010C
Iron	260		750	U	NC		6010C
Lead	10.0	U	50.0	U	NC		6010C
Magnesium	4780	J	4719	J	NC		6010C
Manganese	374		382.5		NC		6010C
Nickel	6.4	J	200	U	NC		6010C
Potassium	7780		7745	J	NC		6010C
Selenium	20.0	U	100	U	NC		6010C
Silver	10.0	U	50.0	U	NC		6010C
Sodium	99000		97050		NC		6010C
Thallium	20.0	U	100	U	NC		6010C
Vanadium	50.0	U	250	U	NC		6010C
Zinc	110		107.8	J	NC		6010C

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-118857-5

SDG No:

Lab Name: TestAmerica Edison Job No: 460-118857-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.14		0.141		NC		7471B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-118881-A-12-A SD ^10

SDG No:

Lab Name: TestAmerica Edison Job No: 460-118857-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	1.7		1.49		NC		7471B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-118952-F-5-A SD ^5

SDG No:

Lab Name: TestAmerica Edison Job No: 460-118857-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.022		0.078	U	NC		7471B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-118898-G-4-A SD ^5

SDG No:

Lab Name: TestAmerica Edison Job No: 460-118857-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.20	U	1.0	U	NC		7470A

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Water Instrument ID: ICP5

Method: 6010C MDL Date: 05/05/2015 12:16

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum		200	69.5
Antimony		20	4.7
Arsenic		15	4.41
Barium		200	5.49
Beryllium		2	1.8
Cadmium		4	2.32
Calcium		5000	317
Chromium		10	4.5
Cobalt		50	5.08
Copper		25	5.02
Iron		150	65.4
Lead		10	4.16
Magnesium		5000	260
Manganese		15	4.88
Nickel		40	5.39
Potassium		5000	122
Selenium		20	6.76
Silver		10	1.86
Sodium		5000	315
Thallium		20	4.52
Vanadium		50	4.37
Zinc		30	5.9

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Water Instrument ID: ICP5

Method: 6010C XMDL Date: 05/05/2015 12:19

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	69.5
Antimony		20	4.7
Arsenic		15	4.41
Barium		200	5.49
Beryllium		2	1.8
Cadmium		4	2.32
Calcium		5000	317
Chromium		10	4.5
Cobalt		50	5.08
Copper		25	5.02
Iron		150	65.4
Lead		10	4.16
Magnesium		5000	260
Manganese		15	4.88
Nickel		40	5.39
Potassium		5000	122
Selenium		20	6.76
Silver		10	1.86
Sodium		5000	315
Thallium		20	4.52
Vanadium		50	4.37
Zinc		30	5.9

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Solid Instrument ID: ICP5

Method: 6010C MDL Date: 05/05/2015 13:01

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		40	20.6
Antimony		4	1.58
Arsenic		3	0.983
Barium		40	1.43
Beryllium		0.4	0.339
Cadmium		0.8	0.417
Calcium		1000	59.2
Chromium		2	0.967
Cobalt		10	1.15
Copper		5	1.3
Iron		30	22.6
Lead		2	0.785
Magnesium		1000	49.9
Manganese		3	1.05
Nickel		8	1.46
Potassium		1000	30.3
Selenium		4	1.38
Silver		2	0.353
Sodium		1000	67.7
Thallium		4	1.77
Vanadium		10	1
Zinc		6	1.46

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Solid Instrument ID: ICP5

Method: 6010C XMDL Date: 05/05/2015 12:52

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	69.5
Antimony		20	4.7
Arsenic		15	4.41
Barium		200	5.49
Beryllium		2	1.8
Cadmium		4	2.32
Calcium		5000	317
Chromium		10	4.5
Cobalt		50	5.08
Copper		25	5.02
Iron		150	65.4
Lead		10	4.16
Magnesium		5000	260
Manganese		15	4.88
Nickel		40	5.39
Potassium		5000	122
Selenium		20	6.76
Silver		10	1.86
Sodium		5000	315
Thallium		20	4.52
Vanadium		50	4.37
Zinc		30	5.9

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A MDL Date: 04/15/2015 11:43

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.14

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A XMDL Date: 04/15/2015 11:44

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.14

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN6

Method: 7471B MDL Date: 04/17/2015 14:04

Prep Method: 7471B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.017	0.012

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN6

Method: 7471B XMDL Date: 04/17/2015 14:05

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.14

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-385938/1-A ^2	08/20/2016 16:27	385938	1.00		50
LCSSRM 460-385938/2-A ^4	08/20/2016 16:27	385938	1.03		50
460-118857-5	08/20/2016 16:27	385938	1.17		50
460-118857-5 DU	08/20/2016 16:27	385938	1.22		50
460-118857-5 MS	08/20/2016 16:27	385938	1.21		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-385941/1-A ^2	08/20/2016 16:27	385941	1.00		50
LCSSRM 460-385941/2-A ^4	08/20/2016 16:27	385941	1.01		50
460-118876-A-7-B DU ^10	08/20/2016 16:27	385941	1.26		50
460-118876-A-7-B DU ^4	08/20/2016 16:27	385941	1.26		50
460-118876-A-7-C MS ^10	08/20/2016 16:27	385941	1.30		50
460-118876-A-7-C MS ^4	08/20/2016 16:27	385941	1.30		50
460-118857-1	08/20/2016 16:27	385941	1.22		50
460-118857-2	08/20/2016 16:27	385941	1.31		50
460-118857-3	08/20/2016 16:27	385941	1.24		50
460-118857-4	08/20/2016 16:27	385941	1.35		50
460-118857-6	08/20/2016 16:27	385941	1.29		50
460-118857-7	08/20/2016 16:27	385941	1.29		50
460-118857-8	08/20/2016 16:27	385941	1.29		50
460-118857-9	08/20/2016 16:27	385941	1.22		50
460-118857-10	08/20/2016 16:27	385941	1.22		50
460-118857-11	08/20/2016 16:27	385941	1.28		50
460-118857-12	08/20/2016 16:27	385941	1.23		50
460-118857-13	08/20/2016 16:27	385941	1.26		50
460-118857-14	08/20/2016 16:27	385941	1.22		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-385942/1-A ^2	08/20/2016 18:17	385942	1.00		50
LCSSRM 460-385942/2-A ^4	08/20/2016 18:17	385942	1.03		50
460-118911-D-8-B DU	08/20/2016 18:17	385942	1.25		50
460-118911-D-8-C MS ^4	08/20/2016 18:17	385942	1.29		50
460-118926-1	08/20/2016 18:17	385942	1.35		50
460-118926-2	08/20/2016 18:17	385942	1.30		50
460-118926-3	08/20/2016 18:17	385942	1.28		50
460-118926-4	08/20/2016 18:17	385942	1.26		50
460-118926-5	08/20/2016 18:17	385942	1.26		50
460-118926-6	08/20/2016 18:17	385942	1.26		50
460-118926-7	08/20/2016 18:17	385942	1.33		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-386232/1-A	08/23/2016 08:20	386232		50	50
LCS 460-386232/2-A	08/23/2016 08:20	386232		50	50
460-118859-D-1-B DU	08/23/2016 08:20	386232		50	50
460-118859-D-1-C MS	08/23/2016 08:20	386232		50	50
460-118926-8	08/23/2016 08:20	386232		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-385761/1-A	08/19/2016 11:32	385761	0.60		50
LCSSRM 460-385761/2-A ^20	08/19/2016 11:32	385761	0.60		50
460-118857-1	08/19/2016 11:32	385761	0.64		50
460-118857-2	08/19/2016 11:32	385761	0.63		50
460-118857-3	08/19/2016 11:32	385761	0.64		50
460-118857-4	08/19/2016 11:32	385761	0.66		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-385991/1-A	08/22/2016 04:51	385991	0.60		50
LCSSRM 460-385991/2-A ^20	08/22/2016 04:51	385991	0.60		50
460-118952-A-5-E DU	08/22/2016 04:51	385991	0.67		50
460-118952-G-5-A MS	08/22/2016 04:51	385991	0.67		50
460-118926-1	08/22/2016 04:51	385991	0.66		50
460-118926-2	08/22/2016 04:51	385991	0.61		50
460-118926-3	08/22/2016 04:51	385991	0.62		50
460-118926-4	08/22/2016 04:51	385991	0.64		50
460-118926-5	08/22/2016 04:51	385991	0.60		50
460-118926-6	08/22/2016 04:51	385991	0.62		50
460-118926-7	08/22/2016 04:51	385991	0.60		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-386003/1-A	08/22/2016 05:16	386003	0.60		50
LCSSRM 460-386003/2-A ^20	08/22/2016 05:16	386003	0.60		50
460-118857-5	08/22/2016 05:16	386003	0.65		50
460-118857-5 DU	08/22/2016 05:16	386003	0.65		50
460-118857-5 MS	08/22/2016 05:16	386003	0.65		50
460-118857-6	08/22/2016 05:16	386003	0.64		50
460-118857-7	08/22/2016 05:16	386003	0.61		50
460-118857-8	08/22/2016 05:16	386003	0.66		50
460-118857-9	08/22/2016 05:16	386003	0.64		50
460-118857-10	08/22/2016 05:16	386003	0.65		50
460-118857-11	08/22/2016 05:16	386003	0.67		50
460-118857-12	08/22/2016 05:16	386003	0.66		50
460-118857-13	08/22/2016 05:16	386003	0.60		50
460-118857-14	08/22/2016 05:16	386003	0.62		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-386526/1-A	08/24/2016 11:57	386526		30	30
LCS 460-386526/2-A	08/24/2016 11:57	386526		30	30
460-118898-A-4-A DU	08/24/2016 11:57	386526		30	30
460-118898-G-4-B MS	08/24/2016 11:57	386526		30	30
460-118926-8	08/24/2016 11:57	386526		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ICIS 460-385958/1	1		10:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:15																				
ZZZZZZ			10:19																				
ZZZZZZ			10:23																				
ZZZZZZ			10:27																				
ZZZZZZ			10:30																				
ICV 460-385958/7	1		10:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-385958/8	1		10:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-385958/9	1		10:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-385958/10	1		10:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-385958/11	1		10:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:54																				
ZZZZZZ			10:58																				
460-118857-5 PDS	4	T	11:02	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
460-118857-5 MS	4	T	11:05	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
460-118857-5 DU	4	T	11:09	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
460-118857-5	4	T	11:13	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
460-118857-5 SD	20	T	11:17	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
LCSSRM 460-385938/2-A ^4	4	T	11:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
CCV 460-385958/20	1		11:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/21	1		11:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/22	1		11:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
ZZZZZZ			11:36																				
CCV 460-385958/24	1		11:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/25	1		11:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/26	1		11:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-385938/1-A ^2	2	T	11:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:57																				
ZZZZZZ			12:01																				
ZZZZZZ			12:04																				
ZZZZZZ			12:08																				
ZZZZZZ			12:12																				
ZZZZZZ			12:16																				
ZZZZZZ			12:20																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
CCV 460-385958/37	1		12:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/38	1		12:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/39	1		12:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:43																				
ZZZZZZ			12:47																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			12:51																				
ZZZZZZ			12:55																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:14																				
ZZZZZZ			13:18																				
CCV 460-385958/50			13:22																				
CCB 460-385958/51			13:26																				
CCVL 460-385958/52			13:30																				
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:41																				
ZZZZZZ			13:45																				
ZZZZZZ			13:49																				
ZZZZZZ			13:53																				
ZZZZZZ			13:57																				
ZZZZZZ			14:01																				
ZZZZZZ			14:05																				
ZZZZZZ			14:09																				
CCV 460-385958/63			14:13																				
CCB 460-385958/64			14:16																				
CCVL 460-385958/65			14:20																				
CCV 460-385958/66			14:26																				
CCB 460-385958/67			14:29																				
CCVL 460-385958/68			14:33																				
ZZZZZZ			14:37																				
ZZZZZZ			14:41																				
ZZZZZZ			14:45																				
ZZZZZZ			14:49																				
ZZZZZZ			14:53																				
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
ZZZZZZ			15:13																				
CCV 460-385958/79	1		15:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/80	1		15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/81	1		15:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:29																				
ZZZZZZ			15:33																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			15:37																				
460-118857-5 PDS	10	T	15:41						X											X			
460-118857-5 MS	10	T	15:44						X											X			
460-118857-5 DU	10	T	15:48						X											X			
460-118857-5	10	T	15:52						X											X			
460-118857-5 SD	50	T	15:56						X											X			
LCSSRM 460-385938/2-A ^4	4	T	16:00																	X			
ZZZZZZ			16:04																				
CCV 460-385958/92	1		16:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/93	1		16:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/94	1		16:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
CCV 460-385958/95	1		16:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/96	1		16:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/97	1		16:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:31																				
460-118911-D-8-A PDS ^4	4	T	16:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118911-D-8-C MS ^4	4	T	16:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118911-D-8-B DU	4	T	16:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:46																				
460-118911-D-8-A SD ^20	20	T	16:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:54																				
ZZZZZZ			16:58																				
ZZZZZZ			17:02																				
LCSSRM 460-385942/2-A ^4	4	T	17:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-385958/108	1		17:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/109	1		17:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/110	1		17:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-385942/1-A ^2	2	T	17:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:25																				
ZZZZZZ			17:29																				
ZZZZZZ			17:33																				
ZZZZZZ			17:37																				
ZZZZZZ			17:41																				
ZZZZZZ			17:45																				
ZZZZZZ			17:49																				
ZZZZZZ			17:53																				
ZZZZZZ			17:56																				
CCV 460-385958/121	1		18:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/122	1		18:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/123	1		18:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
460-118926-1	4	T	18:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
460-118926-2	4	T	18:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
460-118926-3	4	T	18:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
460-118926-4	4	T	18:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
460-118926-5	4	T	18:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
460-118926-6	4	T	18:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
460-118926-7	4	T	18:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
ZZZZZZ			18:39																				
ZZZZZZ			18:42																				
ZZZZZZ			18:46																				
CCV 460-385958/134	1		18:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/135	1		18:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/136	1		18:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
CCV 460-385958/137			19:02																				
CCB 460-385958/138			19:06																				
CCVL 460-385958/139			19:10																				
ZZZZZZ			19:14																				
ZZZZZZ			19:18																				
ZZZZZZ			19:22																				
ZZZZZZ			19:26																				
ZZZZZZ			19:30																				
ZZZZZZ			19:34																				
ZZZZZZ			19:38																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:50																				
CCV 460-385958/150			19:54																				
CCB 460-385958/151			19:57																				
CCVL 460-385958/152			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:09																				
ZZZZZZ			20:13																				
ZZZZZZ			20:17																				
ZZZZZZ			20:20																				
ZZZZZZ			20:24																				
ZZZZZZ			20:28																				
ZZZZZZ			20:32																				
ZZZZZZ			20:36																				
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
CCV 460-385958/164			20:48																				
CCB 460-385958/165			20:52																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCVL 460-385958/166			20:56																				
ZZZZZZ			21:00																				
ZZZZZZ			21:04																				
ZZZZZZ			21:08																				
ZZZZZZ			21:12																				
ZZZZZZ			21:16																				
ZZZZZZ			21:20																				
ZZZZZZ			21:24																				
ZZZZZZ			21:28																				
ZZZZZZ			21:32																				
ZZZZZZ			21:36																				
CCV 460-385958/177	1		21:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/178	1		21:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/179	1		21:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			21:51																				
ZZZZZZ			21:55																				
ZZZZZZ			21:59																				
ZZZZZZ			22:03																				
ZZZZZZ			22:07																				
ZZZZZZ			22:11																				
ZZZZZZ			22:15																				
ZZZZZZ			22:18																				
460-118926-1	20	T	22:22																	X			
460-118926-3	10	T	22:26																	X			
CCV 460-385958/190	1		22:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/191	1		22:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/192	1		22:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118926-4	4	T	22:42																	X			
460-118926-7	4	T	22:46																	X			
460-118926-2	4	T	22:49																	X			
460-118926-5	4	T	22:53																	X			
460-118926-6	4	T	22:57																	X			
ZZZZZZ			23:01																				
ZZZZZZ			23:05																				
ZZZZZZ			23:09																				
ZZZZZZ			23:12																				
ZZZZZZ			23:16																				
CCV 460-385958/203	1		23:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-385958/204	1		23:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-385958/205	1		23:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:32																				
ZZZZZZ			23:36																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			23:40																					
ZZZZZZ			23:44																					
ZZZZZZ			23:48																					
ZZZZZZ			23:51																					
CCV 460-385958/212			23:56																					
CCB 460-385958/213			23:59																					
CCVL 460-385958/214			00:03																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ICIS 460-385958/1	1		10:11	X	X																		
ZZZZZZ			10:15																				
ZZZZZZ			10:19																				
ZZZZZZ			10:23																				
ZZZZZZ			10:27																				
ZZZZZZ			10:30																				
ICV 460-385958/7	1		10:34	X	X																		
ICB 460-385958/8	1		10:38	X	X																		
ICVL 460-385958/9	1		10:42	X	X																		
ICSA 460-385958/10	1		10:46	X	X																		
ICSAB 460-385958/11	1		10:50	X	X																		
ZZZZZZ			10:54																				
ZZZZZZ			10:58																				
460-118857-5 PDS	4	T	11:02	X	X																		
460-118857-5 MS	4	T	11:05	X	X																		
460-118857-5 DU	4	T	11:09	X	X																		
460-118857-5	4	T	11:13	X	X																		
460-118857-5 SD	20	T	11:17	X	X																		
LCSSRM 460-385938/2-A ^4	4	T	11:21	X	X																		
CCV 460-385958/20	1		11:24	X	X																		
CCB 460-385958/21	1		11:28	X	X																		
CCVL 460-385958/22	1		11:32	X	X																		
ZZZZZZ			11:36																				
CCV 460-385958/24	1		11:41	X	X																		
CCB 460-385958/25	1		11:45	X	X																		
CCVL 460-385958/26	1		11:49	X	X																		
MB 460-385938/1-A ^2	2	T	11:53	X	X																		
ZZZZZZ			11:57																				
ZZZZZZ			12:01																				
ZZZZZZ			12:04																				
ZZZZZZ			12:08																				
ZZZZZZ			12:12																				
ZZZZZZ			12:16																				
ZZZZZZ			12:20																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
CCV 460-385958/37	1		12:32	X	X																		
CCB 460-385958/38	1		12:35	X	X																		
CCVL 460-385958/39	1		12:39	X	X																		
ZZZZZZ			12:43																				
ZZZZZZ			12:47																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			12:51																				
ZZZZZZ			12:55																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:14																				
ZZZZZZ			13:18																				
CCV 460-385958/50			13:22																				
CCB 460-385958/51			13:26																				
CCVL 460-385958/52			13:30																				
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:41																				
ZZZZZZ			13:45																				
ZZZZZZ			13:49																				
ZZZZZZ			13:53																				
ZZZZZZ			13:57																				
ZZZZZZ			14:01																				
ZZZZZZ			14:05																				
ZZZZZZ			14:09																				
CCV 460-385958/63			14:13																				
CCB 460-385958/64			14:16																				
CCVL 460-385958/65			14:20																				
CCV 460-385958/66			14:26																				
CCB 460-385958/67			14:29																				
CCVL 460-385958/68			14:33																				
ZZZZZZ			14:37																				
ZZZZZZ			14:41																				
ZZZZZZ			14:45																				
ZZZZZZ			14:49																				
ZZZZZZ			14:53																				
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
ZZZZZZ			15:13																				
CCV 460-385958/79	1		15:17	X	X																		
CCB 460-385958/80	1		15:21	X	X																		
CCVL 460-385958/81	1		15:25	X	X																		
ZZZZZZ			15:29																				
ZZZZZZ			15:33																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			15:37																				
460-118857-5 PDS	10	T	15:41																				
460-118857-5 MS	10	T	15:44																				
460-118857-5 DU	10	T	15:48																				
460-118857-5	10	T	15:52																				
460-118857-5 SD	50	T	15:56																				
LCSSRM 460-385938/2-A ^4	4	T	16:00																				
ZZZZZZ			16:04																				
CCV 460-385958/92	1		16:07	X	X																		
CCB 460-385958/93	1		16:11	X	X																		
CCVL 460-385958/94	1		16:15	X	X																		
CCV 460-385958/95	1		16:20	X	X																		
CCB 460-385958/96	1		16:23	X	X																		
CCVL 460-385958/97	1		16:27	X	X																		
ZZZZZZ			16:31																				
460-118911-D-8-A PDS ^4	4	T	16:35	X	X																		
460-118911-D-8-C MS ^4	4	T	16:39	X	X																		
460-118911-D-8-B DU	4	T	16:43	X	X																		
ZZZZZZ			16:46																				
460-118911-D-8-A SD ^20	20	T	16:50	X	X																		
ZZZZZZ			16:54																				
ZZZZZZ			16:58																				
ZZZZZZ			17:02																				
LCSSRM 460-385942/2-A ^4	4	T	17:06	X	X																		
CCV 460-385958/108	1		17:10	X	X																		
CCB 460-385958/109	1		17:13	X	X																		
CCVL 460-385958/110	1		17:17	X	X																		
MB 460-385942/1-A ^2	2	T	17:21	X	X																		
ZZZZZZ			17:25																				
ZZZZZZ			17:29																				
ZZZZZZ			17:33																				
ZZZZZZ			17:37																				
ZZZZZZ			17:41																				
ZZZZZZ			17:45																				
ZZZZZZ			17:49																				
ZZZZZZ			17:53																				
ZZZZZZ			17:56																				
CCV 460-385958/121	1		18:00	X	X																		
CCB 460-385958/122	1		18:04	X	X																		
CCVL 460-385958/123	1		18:08	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
460-118926-1	4	T	18:12	X	X																		
460-118926-2	4	T	18:16	X	X																		
460-118926-3	4	T	18:20	X	X																		
460-118926-4	4	T	18:23	X	X																		
460-118926-5	4	T	18:27	X	X																		
460-118926-6	4	T	18:31	X	X																		
460-118926-7	4	T	18:35	X	X																		
ZZZZZZ			18:39																				
ZZZZZZ			18:42																				
ZZZZZZ			18:46																				
CCV 460-385958/134	1		18:50	X	X																		
CCB 460-385958/135	1		18:54	X	X																		
CCVL 460-385958/136	1		18:58	X	X																		
CCV 460-385958/137			19:02																				
CCB 460-385958/138			19:06																				
CCVL 460-385958/139			19:10																				
ZZZZZZ			19:14																				
ZZZZZZ			19:18																				
ZZZZZZ			19:22																				
ZZZZZZ			19:26																				
ZZZZZZ			19:30																				
ZZZZZZ			19:34																				
ZZZZZZ			19:38																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:50																				
CCV 460-385958/150			19:54																				
CCB 460-385958/151			19:57																				
CCVL 460-385958/152			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:09																				
ZZZZZZ			20:13																				
ZZZZZZ			20:17																				
ZZZZZZ			20:20																				
ZZZZZZ			20:24																				
ZZZZZZ			20:28																				
ZZZZZZ			20:32																				
ZZZZZZ			20:36																				
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
CCV 460-385958/164			20:48																				
CCB 460-385958/165			20:52																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCVL 460-385958/166			20:56																				
ZZZZZZ			21:00																				
ZZZZZZ			21:04																				
ZZZZZZ			21:08																				
ZZZZZZ			21:12																				
ZZZZZZ			21:16																				
ZZZZZZ			21:20																				
ZZZZZZ			21:24																				
ZZZZZZ			21:28																				
ZZZZZZ			21:32																				
ZZZZZZ			21:36																				
CCV 460-385958/177	1		21:40	X	X																		
CCB 460-385958/178	1		21:43	X	X																		
CCVL 460-385958/179	1		21:47	X	X																		
ZZZZZZ			21:51																				
ZZZZZZ			21:55																				
ZZZZZZ			21:59																				
ZZZZZZ			22:03																				
ZZZZZZ			22:07																				
ZZZZZZ			22:11																				
ZZZZZZ			22:15																				
ZZZZZZ			22:18																				
460-118926-1	20	T	22:22																				
460-118926-3	10	T	22:26																				
CCV 460-385958/190	1		22:30	X	X																		
CCB 460-385958/191	1		22:34	X	X																		
CCVL 460-385958/192	1		22:38	X	X																		
460-118926-4	4	T	22:42																				
460-118926-7	4	T	22:46																				
460-118926-2	4	T	22:49																				
460-118926-5	4	T	22:53																				
460-118926-6	4	T	22:57																				
ZZZZZZ			23:01																				
ZZZZZZ			23:05																				
ZZZZZZ			23:09																				
ZZZZZZ			23:12																				
ZZZZZZ			23:16																				
CCV 460-385958/203	1		23:20	X	X																		
CCB 460-385958/204	1		23:24	X	X																		
CCVL 460-385958/205	1		23:28	X	X																		
ZZZZZZ			23:32																				
ZZZZZZ			23:36																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/21/2016 10:11 End Date: 08/22/2016 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			23:40																				
ZZZZZZ			23:44																				
ZZZZZZ			23:48																				
ZZZZZZ			23:51																				
CCV 460-385958/212			23:56																				
CCB 460-385958/213			23:59																				
CCVL 460-385958/214			00:03																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/22/2016 10:02 End Date: 08/22/2016 15:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ICIS 460-386100/1	1		10:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:06																				
ZZZZZZ			10:10																				
ZZZZZZ			10:14																				
ZZZZZZ			10:18																				
ZZZZZZ			10:21																				
ICV 460-386100/7	1		10:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-386100/8	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-386100/9	1		10:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-386100/10	1		10:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-386100/11	1		10:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:44																				
ZZZZZZ			10:48																				
ZZZZZZ			10:52																				
ZZZZZZ			10:56																				
ZZZZZZ			11:00																				
ZZZZZZ			11:04																				
ZZZZZZ			11:08																				
ZZZZZZ			11:12																				
CCV 460-386100/20	1		11:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-386100/21	1		11:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386100/22	1		11:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-385941/1-A ^2	2	T	11:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 460-385941/2-A ^4	4	T	11:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118876-A-7-A PDS ^4	4	T	11:35	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118876-A-7-C MS ^4	4	T	11:39	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118876-A-7-B DU ^4	4	T	11:43	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:47																				
460-118876-A-7-A SD ^20	20	T	11:50	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:54																				
460-118857-1	4	T	11:58	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-2	4	T	12:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-386100/33	1		12:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-386100/34	1		12:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386100/35	1		12:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-3	4	T	12:18	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-4	4	T	12:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-6	4	T	12:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
460-118857-7	4	T	12:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-8	4	T	12:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/22/2016 10:02 End Date: 08/22/2016 15:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
460-118857-9	4	T	12:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
460-118857-10	4	T	12:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-11	4	T	12:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-12	4	T	12:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-13	4	T	12:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-386100/46	1		12:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-386100/47	1		13:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386100/48	1		13:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118857-14	4	T	13:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ			13:12																				
ZZZZZZ			13:16																				
460-118876-A-7-A PDS ^10	10	T	13:20						X														
460-118876-A-7-C MS ^10	10	T	13:23						X														
460-118876-A-7-B DU ^10	10	T	13:27						X														
ZZZZZZ			13:31																				
460-118876-A-7-A SD ^50	50	T	13:35						X														
ZZZZZZ			13:39																				
ZZZZZZ			13:43																				
CCV 460-386100/59	1		13:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-386100/60	1		13:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386100/61	1		13:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
ZZZZZZ			13:58																				
ZZZZZZ			14:02																				
ZZZZZZ			14:06																				
ZZZZZZ			14:10																				
ZZZZZZ			14:14																				
ZZZZZZ			14:18																				
ZZZZZZ			14:22																				
ZZZZZZ			14:26																				
ZZZZZZ			14:30																				
ZZZZZZ			14:34																				
CCV 460-386100/72	1		14:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	
CCB 460-386100/73	1		14:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386100/74	1		14:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:49																				
ZZZZZZ			14:53																				
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
460-118857-1	10	T	15:05						X														
460-118857-3	10	T	15:09						X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/22/2016 10:02 End Date: 08/22/2016 15:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
460-118857-6	10	T	15:13																	X			
460-118857-9	40	T	15:17																	X			
CCV 460-386100/83	1		15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	
CCB 460-386100/84	1		15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386100/85	1		15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/22/2016 10:02 End Date: 08/22/2016 15:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ICIS 460-386100/1	1		10:02	X	X																		
ZZZZZZ			10:06																				
ZZZZZZ			10:10																				
ZZZZZZ			10:14																				
ZZZZZZ			10:18																				
ZZZZZZ			10:21																				
ICV 460-386100/7	1		10:25	X	X																		
ICB 460-386100/8	1		10:29	X	X																		
ICVL 460-386100/9	1		10:33	X	X																		
ICSA 460-386100/10	1		10:37	X	X																		
ICSAB 460-386100/11	1		10:41	X	X																		
ZZZZZZ			10:44																				
ZZZZZZ			10:48																				
ZZZZZZ			10:52																				
ZZZZZZ			10:56																				
ZZZZZZ			11:00																				
ZZZZZZ			11:04																				
ZZZZZZ			11:08																				
ZZZZZZ			11:12																				
CCV 460-386100/20	1		11:16	X	X																		
CCB 460-386100/21	1		11:20	X	X																		
CCVL 460-386100/22	1		11:24	X	X																		
MB 460-385941/1-A ^2	2	T	11:28	X	X																		
LCSSRM 460-385941/2-A ^4	4	T	11:32	X	X																		
460-118876-A-7-A PDS ^4	4	T	11:35	X	X																		
460-118876-A-7-C MS ^4	4	T	11:39	X	X																		
460-118876-A-7-B DU ^4	4	T	11:43	X	X																		
ZZZZZZ			11:47																				
460-118876-A-7-A SD ^20	20	T	11:50	X	X																		
ZZZZZZ			11:54																				
460-118857-1	4	T	11:58	X	X																		
460-118857-2	4	T	12:02	X	X																		
CCV 460-386100/33	1		12:06	X	X																		
CCB 460-386100/34	1		12:10	X	X																		
CCVL 460-386100/35	1		12:14	X	X																		
460-118857-3	4	T	12:18	X	X																		
460-118857-4	4	T	12:22	X	X																		
460-118857-6	4	T	12:25	X	X																		
460-118857-7	4	T	12:29	X	X																		
460-118857-8	4	T	12:33	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/22/2016 10:02 End Date: 08/22/2016 15:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
460-118857-9	4	T	12:37	X	X																		
460-118857-10	4	T	12:41	X	X																		
460-118857-11	4	T	12:45	X	X																		
460-118857-12	4	T	12:49	X	X																		
460-118857-13	4	T	12:52	X	X																		
CCV 460-386100/46	1		12:56	X	X																		
CCB 460-386100/47	1		13:00	X	X																		
CCVL 460-386100/48	1		13:04	X	X																		
460-118857-14	4	T	13:08	X	X																		
ZZZZZZ			13:12																				
ZZZZZZ			13:16																				
460-118876-A-7-A PDS ^10	10	T	13:20																				
460-118876-A-7-C MS ^10	10	T	13:23																				
460-118876-A-7-B DU ^10	10	T	13:27																				
ZZZZZZ			13:31																				
460-118876-A-7-A SD ^50	50	T	13:35																				
ZZZZZZ			13:39																				
ZZZZZZ			13:43																				
CCV 460-386100/59	1		13:47	X	X																		
CCB 460-386100/60	1		13:50	X	X																		
CCVL 460-386100/61	1		13:54	X	X																		
ZZZZZZ			13:58																				
ZZZZZZ			14:02																				
ZZZZZZ			14:06																				
ZZZZZZ			14:10																				
ZZZZZZ			14:14																				
ZZZZZZ			14:18																				
ZZZZZZ			14:22																				
ZZZZZZ			14:26																				
ZZZZZZ			14:30																				
ZZZZZZ			14:34																				
CCV 460-386100/72	1		14:38	X	X																		
CCB 460-386100/73	1		14:41	X	X																		
CCVL 460-386100/74	1		14:45	X	X																		
ZZZZZZ			14:49																				
ZZZZZZ			14:53																				
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
460-118857-1	10	T	15:05																				
460-118857-3	10	T	15:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/22/2016 10:02 End Date: 08/22/2016 15:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
460-118857-6	10	T	15:13																				
460-118857-9	40	T	15:17																				
CCV 460-386100/83	1		15:21	X	X																		
CCB 460-386100/84	1		15:24	X	X																		
CCVL 460-386100/85	1		15:28	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/23/2016 09:51 End Date: 08/23/2016 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Se	Tl																		
ICIS 460-386317/1	1		09:51	X	X																		
ZZZZZZ			09:55																				
ZZZZZZ			10:00																				
ZZZZZZ			10:04																				
ZZZZZZ			10:07																				
ZZZZZZ			10:11																				
ICV 460-386317/7	1		10:15	X	X																		
ICB 460-386317/8	1		10:18	X	X																		
ICVL 460-386317/9	1		10:22	X	X																		
ICSA 460-386317/10	1		10:26	X	X																		
ICSAB 460-386317/11	1		10:30	X	X																		
ZZZZZZ			10:34																				
ZZZZZZ			10:38																				
ZZZZZZ			10:42																				
460-118857-14	4	T	10:46	X	X																		
ZZZZZZ			10:50																				
ZZZZZZ			10:54																				
ZZZZZZ			10:57																				
ZZZZZZ			11:01																				
CCV 460-386317/20	1		11:05	X	X																		
CCB 460-386317/21	1		11:09	X	X																		
CCVL 460-386317/22	1		11:13	X	X																		
ZZZZZZ			11:17																				
ZZZZZZ			11:21																				
ZZZZZZ			11:24																				
ZZZZZZ			11:28																				
ZZZZZZ			11:32																				
ZZZZZZ			11:36																				
ZZZZZZ			11:40																				
ZZZZZZ			11:44																				
ZZZZZZ			11:48																				
ZZZZZZ			11:52																				
CCV 460-386317/33			11:56																				
CCB 460-386317/34			11:59																				
CCVL 460-386317/35			12:03																				
ZZZZZZ			12:07																				
ZZZZZZ			12:11																				
ZZZZZZ			12:15																				
ZZZZZZ			12:19																				
ZZZZZZ			12:23																				
ZZZZZZ			12:27																				
ZZZZZZ			12:30																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/23/2016 09:51 End Date: 08/23/2016 19:31

Lab Sample ID	D / F	Type	Time	Analytes																			
				Se	Tl																		
ZZZZZZ			12:34																				
ZZZZZZ			12:38																				
ZZZZZZ			12:42																				
CCV 460-386317/46			12:46																				
CCB 460-386317/47			12:49																				
CCVL 460-386317/48			12:53																				
ZZZZZZ			12:58																				
ZZZZZZ			13:02																				
ZZZZZZ			13:06																				
ZZZZZZ			13:09																				
ZZZZZZ			13:13																				
ZZZZZZ			13:17																				
ZZZZZZ			13:21																				
ZZZZZZ			13:24																				
ZZZZZZ			13:28																				
ZZZZZZ			13:32																				
CCV 460-386317/59			13:36																				
CCB 460-386317/60			13:40																				
CCVL 460-386317/61			13:44																				
ZZZZZZ			13:48																				
ZZZZZZ			13:52																				
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
ZZZZZZ			14:03																				
ZZZZZZ			14:07																				
ZZZZZZ			14:11																				
ZZZZZZ			14:15																				
ZZZZZZ			14:18																				
ZZZZZZ			14:22																				
CCV 460-386317/72			14:26																				
CCB 460-386317/73			14:30																				
CCVL 460-386317/74			14:34																				
ZZZZZZ			14:38																				
ZZZZZZ			14:42																				
ZZZZZZ			14:46																				
ZZZZZZ			14:50																				
ZZZZZZ			14:54																				
ZZZZZZ			14:58																				
ZZZZZZ			15:02																				
ZZZZZZ			15:06																				
ZZZZZZ			15:10																				
ZZZZZZ			15:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/23/2016 09:51 End Date: 08/23/2016 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Se	Tl																		
CCV 460-386317/85			15:18																				
CCB 460-386317/86			15:21																				
CCVL 460-386317/87			15:25																				
ZZZZZZ			15:29																				
ZZZZZZ			15:33																				
ZZZZZZ			15:37																				
ZZZZZZ			15:41																				
ZZZZZZ			15:45																				
ZZZZZZ			15:49																				
ZZZZZZ			15:53																				
ZZZZZZ			15:57																				
ZZZZZZ			16:01																				
ZZZZZZ			16:05																				
CCV 460-386317/98			16:09																				
CCB 460-386317/99			16:13																				
CCVL 460-386317/100			16:17																				
ZZZZZZ			16:21																				
ZZZZZZ			16:25																				
ZZZZZZ			16:29																				
ZZZZZZ			16:33																				
ZZZZZZ			16:37																				
ZZZZZZ			16:41																				
ZZZZZZ			16:45																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			16:56																				
CCV 460-386317/111			17:00																				
CCB 460-386317/112			17:04																				
CCVL 460-386317/113			17:08																				
ZZZZZZ			17:12																				
ZZZZZZ			17:16																				
ZZZZZZ			17:20																				
ZZZZZZ			17:24																				
ZZZZZZ			17:28																				
ZZZZZZ			17:32																				
ZZZZZZ			17:35																				
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:47																				
CCV 460-386317/124			17:51																				
CCB 460-386317/125			17:55																				
CCVL 460-386317/126			17:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/23/2016 09:51 End Date: 08/23/2016 19:31

Lab Sample ID	D / F	Type	Time	Analytes																			
				Se	Tl																		
ZZZZZZ			18:03																				
ZZZZZZ			18:06																				
ZZZZZZ			18:10																				
ZZZZZZ			18:14																				
ZZZZZZ			18:18																				
ZZZZZZ			18:22																				
CCV 460-386317/133			18:26																				
CCB 460-386317/134			18:29																				
CCVL 460-386317/135			18:33																				
CCV 460-386317/136			18:49																				
CCB 460-386317/137			18:52																				
CCVL 460-386317/138			18:56																				
ZZZZZZ			19:00																				
ZZZZZZ			19:04																				
ZZZZZZ			19:08																				
ZZZZZZ			19:12																				
ZZZZZZ			19:16																				
ZZZZZZ			19:20																				
CCV 460-386317/145			19:24																				
CCB 460-386317/146			19:27																				
CCVL 460-386317/147			19:31																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/24/2016 11:47 End Date: 08/24/2016 19:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ICIS 460-386580/1	1		11:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:51																				
ZZZZZZ			11:55																				
ZZZZZZ			11:59																				
ZZZZZZ			12:03																				
ZZZZZZ			12:06																				
ICV 460-386580/7	1		12:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-386580/8	1		12:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-386580/9	1		12:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-386580/10	1		12:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-386580/11	1		12:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:29																				
ZZZZZZ			12:33																				
ZZZZZZ			12:37																				
ZZZZZZ			12:41																				
ZZZZZZ			12:45																				
ZZZZZZ			12:48																				
ZZZZZZ			12:52																				
ZZZZZZ			12:56																				
CCV 460-386580/20			13:00																				
CCB 460-386580/21			13:03																				
CCVL 460-386580/22			13:07																				
ZZZZZZ			13:11																				
ZZZZZZ			13:15																				
ZZZZZZ			13:19																				
ZZZZZZ			13:23																				
ZZZZZZ			13:27																				
ZZZZZZ			13:30																				
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:42																				
ZZZZZZ			13:46																				
CCV 460-386580/33			13:50																				
CCB 460-386580/34			13:54																				
CCVL 460-386580/35			13:58																				
ZZZZZZ			14:01																				
ZZZZZZ			14:05																				
ZZZZZZ			14:09																				
ZZZZZZ			14:13																				
ZZZZZZ			14:17																				
ZZZZZZ			14:21																				
ZZZZZZ			14:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/24/2016 11:47 End Date: 08/24/2016 19:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			14:29																				
ZZZZZZ			14:33																				
ZZZZZZ			14:37																				
CCV 460-386580/46			14:41																				
CCB 460-386580/47			14:44																				
CCVL 460-386580/48			14:48																				
ZZZZZZ			14:52																				
ZZZZZZ			14:56																				
ZZZZZZ			15:00																				
ZZZZZZ			15:03																				
ZZZZZZ			15:07																				
ZZZZZZ			15:11																				
ZZZZZZ			15:15																				
ZZZZZZ			15:19																				
ZZZZZZ			15:23																				
ZZZZZZ			15:27																				
CCV 460-386580/59	1		15:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-386580/60	1		15:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386580/61	1		15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:51																				
ZZZZZZ			15:55																				
ZZZZZZ			15:59																				
ZZZZZZ			16:03																				
460-118859-D-1-A PDS	1	T	16:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118859-D-1-C MS	1	T	16:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-118859-D-1-B DU	1	T	16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 460-386232/2-A	1	T	16:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-386580/72	1		16:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-386580/73	1		16:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386580/74	1		16:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
460-118859-D-1-A SD ^5	5	T	16:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:44																				
ZZZZZZ			16:48																				
ZZZZZZ			16:52																				
ZZZZZZ			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:03																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/24/2016 11:47 End Date: 08/24/2016 19:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
460-118926-8	1	T	17:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-386580/85	1		17:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-386580/86	1		17:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386580/87	1		17:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:22																				
ZZZZZZ			17:26																				
ZZZZZZ			17:30																				
ZZZZZZ			17:34																				
ZZZZZZ			17:37																				
ZZZZZZ			17:41																				
ZZZZZZ			17:45																				
ZZZZZZ			17:48																				
ZZZZZZ			17:52																				
ZZZZZZ			17:56																				
CCV 460-386580/98			18:00																				
CCB 460-386580/99			18:03																				
CCVL 460-386580/100			18:07																				
ZZZZZZ			18:11																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:22																				
ZZZZZZ			18:26																				
ZZZZZZ			18:30																				
ZZZZZZ			18:33																				
ZZZZZZ			18:37																				
ZZZZZZ			18:41																				
ZZZZZZ			18:45																				
CCV 460-386580/111			18:48																				
CCB 460-386580/112			18:52																				
CCVL 460-386580/113			18:56																				
ZZZZZZ			19:00																				
ZZZZZZ			19:03																				
ZZZZZZ			19:07																				
CCV 460-386580/117			19:11																				
CCB 460-386580/118			19:14																				
CCVL 460-386580/119			19:18																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/24/2016 11:47 End Date: 08/24/2016 19:18

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
ICIS 460-386580/1	1		11:47	X	X																			
ZZZZZZ			11:51																					
ZZZZZZ			11:55																					
ZZZZZZ			11:59																					
ZZZZZZ			12:03																					
ZZZZZZ			12:06																					
ICV 460-386580/7	1		12:10	X	X																			
ICB 460-386580/8	1		12:14	X	X																			
ICVL 460-386580/9	1		12:18	X	X																			
ICSA 460-386580/10	1		12:22	X	X																			
ICSAB 460-386580/11	1		12:26	X	X																			
ZZZZZZ			12:29																					
ZZZZZZ			12:33																					
ZZZZZZ			12:37																					
ZZZZZZ			12:41																					
ZZZZZZ			12:45																					
ZZZZZZ			12:48																					
ZZZZZZ			12:52																					
ZZZZZZ			12:56																					
CCV 460-386580/20			13:00																					
CCB 460-386580/21			13:03																					
CCVL 460-386580/22			13:07																					
ZZZZZZ			13:11																					
ZZZZZZ			13:15																					
ZZZZZZ			13:19																					
ZZZZZZ			13:23																					
ZZZZZZ			13:27																					
ZZZZZZ			13:30																					
ZZZZZZ			13:34																					
ZZZZZZ			13:38																					
ZZZZZZ			13:42																					
ZZZZZZ			13:46																					
CCV 460-386580/33			13:50																					
CCB 460-386580/34			13:54																					
CCVL 460-386580/35			13:58																					
ZZZZZZ			14:01																					
ZZZZZZ			14:05																					
ZZZZZZ			14:09																					
ZZZZZZ			14:13																					
ZZZZZZ			14:17																					
ZZZZZZ			14:21																					
ZZZZZZ			14:25																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/24/2016 11:47 End Date: 08/24/2016 19:18

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			14:29																				
ZZZZZZ			14:33																				
ZZZZZZ			14:37																				
CCV 460-386580/46			14:41																				
CCB 460-386580/47			14:44																				
CCVL 460-386580/48			14:48																				
ZZZZZZ			14:52																				
ZZZZZZ			14:56																				
ZZZZZZ			15:00																				
ZZZZZZ			15:03																				
ZZZZZZ			15:07																				
ZZZZZZ			15:11																				
ZZZZZZ			15:15																				
ZZZZZZ			15:19																				
ZZZZZZ			15:23																				
ZZZZZZ			15:27																				
CCV 460-386580/59	1		15:31	X	X																		
CCB 460-386580/60	1		15:34	X	X																		
CCVL 460-386580/61	1		15:38	X	X																		
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:51																				
ZZZZZZ			15:55																				
ZZZZZZ			15:59																				
ZZZZZZ			16:03																				
460-118859-D-1-A PDS	1	T	16:06	X	X																		
460-118859-D-1-C MS	1	T	16:10	X	X																		
460-118859-D-1-B DU	1	T	16:14	X	X																		
LCS 460-386232/2-A	1	T	16:18	X	X																		
CCV 460-386580/72	1		16:21	X	X																		
CCB 460-386580/73	1		16:25	X	X																		
CCVL 460-386580/74	1		16:29	X	X																		
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
460-118859-D-1-A SD ^5	5	T	16:40	X	X																		
ZZZZZZ			16:44																				
ZZZZZZ			16:48																				
ZZZZZZ			16:52																				
ZZZZZZ			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:03																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/24/2016 11:47 End Date: 08/24/2016 19:18

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
460-118926-8	1	T	17:07	X	X																		
CCV 460-386580/85	1		17:11	X	X																		
CCB 460-386580/86	1		17:15	X	X																		
CCVL 460-386580/87	1		17:18	X	X																		
ZZZZZZ			17:22																				
ZZZZZZ			17:26																				
ZZZZZZ			17:30																				
ZZZZZZ			17:34																				
ZZZZZZ			17:37																				
ZZZZZZ			17:41																				
ZZZZZZ			17:45																				
ZZZZZZ			17:48																				
ZZZZZZ			17:52																				
ZZZZZZ			17:56																				
CCV 460-386580/98			18:00																				
CCB 460-386580/99			18:03																				
CCVL 460-386580/100			18:07																				
ZZZZZZ			18:11																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:22																				
ZZZZZZ			18:26																				
ZZZZZZ			18:30																				
ZZZZZZ			18:33																				
ZZZZZZ			18:37																				
ZZZZZZ			18:41																				
ZZZZZZ			18:45																				
CCV 460-386580/111			18:48																				
CCB 460-386580/112			18:52																				
CCVL 460-386580/113			18:56																				
ZZZZZZ			19:00																				
ZZZZZZ			19:03																				
ZZZZZZ			19:07																				
CCV 460-386580/117			19:11																				
CCB 460-386580/118			19:14																				
CCVL 460-386580/119			19:18																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/25/2016 10:29 End Date: 08/25/2016 19:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ICIS 460-386754/1	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:33																				
ZZZZZZ			10:37																				
ZZZZZZ			10:41																				
ZZZZZZ			10:45																				
ZZZZZZ			10:48																				
ICV 460-386754/7	1		10:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-386754/8	1		10:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-386754/9	1		11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-386754/10	1		11:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-386754/11	1		11:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:12																				
ZZZZZZ			11:16																				
ZZZZZZ			11:20																				
ZZZZZZ			11:24																				
ZZZZZZ			11:27																				
ZZZZZZ			11:31																				
ZZZZZZ			11:35																				
MB 460-386232/1-A	1	T	11:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-386754/20	1		11:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-386754/21	1		11:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-386754/22	1		11:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:55																				
ZZZZZZ			11:59																				
ZZZZZZ			12:03																				
ZZZZZZ			12:07																				
ZZZZZZ			12:10																				
ZZZZZZ			12:14																				
ZZZZZZ			12:18																				
ZZZZZZ			12:22																				
ZZZZZZ			12:26																				
ZZZZZZ			12:30																				
CCV 460-386754/33			12:34																				
CCB 460-386754/34			12:37																				
CCVL 460-386754/35			12:41																				
ZZZZZZ			12:45																				
ZZZZZZ			12:49																				
ZZZZZZ			12:53																				
ZZZZZZ			12:57																				
ZZZZZZ			13:01																				
ZZZZZZ			13:05																				
ZZZZZZ			13:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/25/2016 10:29 End Date: 08/25/2016 19:08

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			13:12																					
ZZZZZZ			13:16																					
ZZZZZZ			13:20																					
CCV 460-386754/46			13:24																					
CCB 460-386754/47			13:28																					
CCVL 460-386754/48			13:32																					
ZZZZZZ			13:36																					
ZZZZZZ			13:40																					
ZZZZZZ			13:43																					
ZZZZZZ			13:47																					
ZZZZZZ			13:51																					
ZZZZZZ			13:55																					
ZZZZZZ			13:59																					
ZZZZZZ			14:03																					
ZZZZZZ			14:06																					
ZZZZZZ			14:10																					
CCV 460-386754/59			14:14																					
CCB 460-386754/60			14:17																					
CCVL 460-386754/61			14:22																					
ZZZZZZ			14:26																					
ZZZZZZ			14:30																					
ZZZZZZ			14:33																					
ZZZZZZ			14:37																					
ZZZZZZ			14:41																					
ZZZZZZ			14:45																					
ZZZZZZ			14:49																					
ZZZZZZ			14:53																					
ZZZZZZ			14:57																					
ZZZZZZ			15:00																					
CCV 460-386754/72			15:04																					
CCB 460-386754/73			15:08																					
CCVL 460-386754/74			15:12																					
ZZZZZZ			15:16																					
ZZZZZZ			15:20																					
ZZZZZZ			15:24																					
ZZZZZZ			15:28																					
ZZZZZZ			15:32																					
ZZZZZZ			15:36																					
ZZZZZZ			15:40																					
ZZZZZZ			15:43																					
ZZZZZZ			15:47																					
ZZZZZZ			15:51																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/25/2016 10:29 End Date: 08/25/2016 19:08

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCV 460-386754/85			15:55																				
CCB 460-386754/86			15:59																				
CCVL 460-386754/87			16:03																				
ZZZZZZ			16:07																				
ZZZZZZ			16:11																				
ZZZZZZ			16:15																				
ZZZZZZ			16:19																				
ZZZZZZ			16:23																				
ZZZZZZ			16:27																				
ZZZZZZ			16:31																				
ZZZZZZ			16:35																				
ZZZZZZ			16:39																				
ZZZZZZ			16:43																				
CCV 460-386754/98			16:46																				
CCB 460-386754/99			16:50																				
CCVL 460-386754/100			16:54																				
ZZZZZZ			16:59																				
ZZZZZZ			17:03																				
ZZZZZZ			17:06																				
ZZZZZZ			17:10																				
ZZZZZZ			17:14																				
ZZZZZZ			17:18																				
ZZZZZZ			17:22																				
ZZZZZZ			17:26																				
ZZZZZZ			17:30																				
ZZZZZZ			17:34																				
CCV 460-386754/111			17:38																				
CCB 460-386754/112			17:41																				
CCVL 460-386754/113			17:45																				
ZZZZZZ			17:49																				
ZZZZZZ			17:53																				
ZZZZZZ			17:57																				
ZZZZZZ			18:01																				
ZZZZZZ			18:05																				
ZZZZZZ			18:09																				
ZZZZZZ			18:13																				
ZZZZZZ			18:17																				
ZZZZZZ			18:21																				
ZZZZZZ			18:25																				
CCV 460-386754/124			18:29																				
CCB 460-386754/125			18:33																				
CCVL 460-386754/126			18:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/25/2016 10:29 End Date: 08/25/2016 19:08

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			18:41																					
ZZZZZZ			18:45																					
ZZZZZZ			18:49																					
ZZZZZZ			18:52																					
ZZZZZZ			18:56																					
CCV 460-386754/132			19:00																					
CCB 460-386754/133			19:04																					
CCVL 460-386754/134			19:08																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/25/2016 10:29 End Date: 08/25/2016 19:08

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
ICIS 460-386754/1	1		10:29	X	X																			
ZZZZZZ			10:33																					
ZZZZZZ			10:37																					
ZZZZZZ			10:41																					
ZZZZZZ			10:45																					
ZZZZZZ			10:48																					
ICV 460-386754/7	1		10:52	X	X																			
ICB 460-386754/8	1		10:56	X	X																			
ICVL 460-386754/9	1		11:00	X	X																			
ICSA 460-386754/10	1		11:04	X	X																			
ICSAB 460-386754/11	1		11:08	X	X																			
ZZZZZZ			11:12																					
ZZZZZZ			11:16																					
ZZZZZZ			11:20																					
ZZZZZZ			11:24																					
ZZZZZZ			11:27																					
ZZZZZZ			11:31																					
ZZZZZZ			11:35																					
MB 460-386232/1-A	1	T	11:39	X	X																			
CCV 460-386754/20	1		11:43	X	X																			
CCB 460-386754/21	1		11:47	X	X																			
CCVL 460-386754/22	1		11:51	X	X																			
ZZZZZZ			11:55																					
ZZZZZZ			11:59																					
ZZZZZZ			12:03																					
ZZZZZZ			12:07																					
ZZZZZZ			12:10																					
ZZZZZZ			12:14																					
ZZZZZZ			12:18																					
ZZZZZZ			12:22																					
ZZZZZZ			12:26																					
ZZZZZZ			12:30																					
CCV 460-386754/33			12:34																					
CCB 460-386754/34			12:37																					
CCVL 460-386754/35			12:41																					
ZZZZZZ			12:45																					
ZZZZZZ			12:49																					
ZZZZZZ			12:53																					
ZZZZZZ			12:57																					
ZZZZZZ			13:01																					
ZZZZZZ			13:05																					
ZZZZZZ			13:09																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/25/2016 10:29 End Date: 08/25/2016 19:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			13:12																				
ZZZZZZ			13:16																				
ZZZZZZ			13:20																				
CCV 460-386754/46			13:24																				
CCB 460-386754/47			13:28																				
CCVL 460-386754/48			13:32																				
ZZZZZZ			13:36																				
ZZZZZZ			13:40																				
ZZZZZZ			13:43																				
ZZZZZZ			13:47																				
ZZZZZZ			13:51																				
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
ZZZZZZ			14:03																				
ZZZZZZ			14:06																				
ZZZZZZ			14:10																				
CCV 460-386754/59			14:14																				
CCB 460-386754/60			14:17																				
CCVL 460-386754/61			14:22																				
ZZZZZZ			14:26																				
ZZZZZZ			14:30																				
ZZZZZZ			14:33																				
ZZZZZZ			14:37																				
ZZZZZZ			14:41																				
ZZZZZZ			14:45																				
ZZZZZZ			14:49																				
ZZZZZZ			14:53																				
ZZZZZZ			14:57																				
ZZZZZZ			15:00																				
CCV 460-386754/72			15:04																				
CCB 460-386754/73			15:08																				
CCVL 460-386754/74			15:12																				
ZZZZZZ			15:16																				
ZZZZZZ			15:20																				
ZZZZZZ			15:24																				
ZZZZZZ			15:28																				
ZZZZZZ			15:32																				
ZZZZZZ			15:36																				
ZZZZZZ			15:40																				
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:51																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/25/2016 10:29 End Date: 08/25/2016 19:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCV 460-386754/85			15:55																				
CCB 460-386754/86			15:59																				
CCVL 460-386754/87			16:03																				
ZZZZZZ			16:07																				
ZZZZZZ			16:11																				
ZZZZZZ			16:15																				
ZZZZZZ			16:19																				
ZZZZZZ			16:23																				
ZZZZZZ			16:27																				
ZZZZZZ			16:31																				
ZZZZZZ			16:35																				
ZZZZZZ			16:39																				
ZZZZZZ			16:43																				
CCV 460-386754/98			16:46																				
CCB 460-386754/99			16:50																				
CCVL 460-386754/100			16:54																				
ZZZZZZ			16:59																				
ZZZZZZ			17:03																				
ZZZZZZ			17:06																				
ZZZZZZ			17:10																				
ZZZZZZ			17:14																				
ZZZZZZ			17:18																				
ZZZZZZ			17:22																				
ZZZZZZ			17:26																				
ZZZZZZ			17:30																				
ZZZZZZ			17:34																				
CCV 460-386754/111			17:38																				
CCB 460-386754/112			17:41																				
CCVL 460-386754/113			17:45																				
ZZZZZZ			17:49																				
ZZZZZZ			17:53																				
ZZZZZZ			17:57																				
ZZZZZZ			18:01																				
ZZZZZZ			18:05																				
ZZZZZZ			18:09																				
ZZZZZZ			18:13																				
ZZZZZZ			18:17																				
ZZZZZZ			18:21																				
ZZZZZZ			18:25																				
CCV 460-386754/124			18:29																				
CCB 460-386754/125			18:33																				
CCVL 460-386754/126			18:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: ICP5 Method: 6010C

Start Date: 08/25/2016 10:29 End Date: 08/25/2016 19:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			18:41																				
ZZZZZZ			18:45																				
ZZZZZZ			18:49																				
ZZZZZZ			18:52																				
ZZZZZZ			18:56																				
CCV 460-386754/132			19:00																				
CCB 460-386754/133			19:04																				
CCVL 460-386754/134			19:08																				

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 08/24/2016 13:34 End Date: 08/24/2016 17:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ICIS 460-386593/1			13:34	X																			
IC 460-386526/25-A			13:36	X																			
IC 460-386526/26-A			13:38	X																			
IC 460-386526/27-A			13:40	X																			
IC 460-386526/28-A			13:41	X																			
IC 460-386526/29-A			13:43	X																			
ICV 460-386526/30-A	1		13:45	X																			
ICB 460-386593/8	1		13:47	X																			
ZZZZZZ			13:49																				
ZZZZZZ			13:51																				
MB 460-386526/1-A	1	T	13:53	X																			
LCS 460-386526/2-A	1	T	13:55	X																			
ZZZZZZ			13:56																				
460-118898-A-4-A DU	1	T	13:58	X																			
460-118898-G-4-B MS	1	T	14:00	X																			
460-118898-G-4-A SD ^5	5	T	14:02	X																			
ZZZZZZ			14:04																				
460-118926-8	1	T	14:06	X																			
ZZZZZZ			14:08																				
CCV 460-386526/32-A	1		14:09	X																			
CCB 460-386593/21	1		14:11	X																			
ZZZZZZ			14:13																				
ZZZZZZ			14:15																				
ZZZZZZ			14:17																				
ZZZZZZ			14:19																				
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
ZZZZZZ			14:24																				
ZZZZZZ			14:26																				
ZZZZZZ			14:28																				
CCV 460-386526/32-A			14:30																				
CCB 460-386593/32			14:32																				
ZZZZZZ			14:34																				
ZZZZZZ			14:36																				
ZZZZZZ			14:37																				
ZZZZZZ			14:39																				
ZZZZZZ			14:41																				
ZZZZZZ			14:43																				
ZZZZZZ			14:45																				
ZZZZZZ			14:47																				
ZZZZZZ			14:49																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 08/24/2016 13:34 End Date: 08/24/2016 17:29

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCV 460-386526/32-A			14:51																				
CCB 460-386593/43			14:52																				
ZZZZZZ			14:54																				
ZZZZZZ			14:56																				
ZZZZZZ			14:58																				
ZZZZZZ			15:00																				
ZZZZZZ			15:02																				
ZZZZZZ			15:04																				
ZZZZZZ			15:05																				
ZZZZZZ			15:07																				
ZZZZZZ			15:09																				
CCV 460-386526/32-A			15:11																				
CCB 460-386593/54			15:13																				
ZZZZZZ			15:15																				
ZZZZZZ			15:17																				
ZZZZZZ			15:19																				
ZZZZZZ			15:20																				
ZZZZZZ			15:22																				
ZZZZZZ			15:24																				
ZZZZZZ			15:26																				
ZZZZZZ			15:28																				
ZZZZZZ			15:32																				
ZZZZZZ			15:34																				
CCV 460-386526/32-A			15:36																				
CCV 460-386526/32-A			15:46																				
CCB 460-386593/67			15:48																				
ZZZZZZ			15:49																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:55																				
ZZZZZZ			15:57																				
ZZZZZZ			15:59																				
ZZZZZZ			16:01																				
ZZZZZZ			16:02																				
ZZZZZZ			16:04																				
CCV 460-386526/32-A			16:06																				
CCB 460-386593/78			16:08																				
ZZZZZZ			16:10																				
ZZZZZZ			16:12																				
ZZZZZZ			16:14																				
ZZZZZZ			16:16																				
ZZZZZZ			16:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 08/24/2016 13:34 End Date: 08/24/2016 17:29

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:19																				
ZZZZZZ			16:21																				
ZZZZZZ			16:23																				
ZZZZZZ			16:25																				
CCV 460-386526/32-A			16:27																				
CCB 460-386593/89			16:29																				
ZZZZZZ			16:31																				
ZZZZZZ			16:42																				
ZZZZZZ			16:44																				
ZZZZZZ			16:46																				
ZZZZZZ			16:48																				
ZZZZZZ			16:50																				
ZZZZZZ			16:52																				
ZZZZZZ			16:54																				
ZZZZZZ			16:56																				
ZZZZZZ			16:57																				
CCV 460-386526/32-A			16:59																				
CCB 460-386593/101			17:01																				
ZZZZZZ			17:03																				
ZZZZZZ			17:05																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
ZZZZZZ			17:11																				
ZZZZZZ			17:12																				
ZZZZZZ			17:14																				
ZZZZZZ			17:16																				
ZZZZZZ			17:18																				
CCV 460-386526/32-A			17:20																				
CCB 460-386593/112			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:25																				
CCV 460-386526/32-A			17:27																				
CCB 460-386593/116			17:29																				

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7471B

Start Date: 08/19/2016 16:10 End Date: 08/19/2016 16:52

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ICIS 460-385820/1			16:10	X																			
IC 460-385761/12-A			16:12	X																			
IC 460-385761/13-A			16:14	X																			
IC 460-385761/14-A			16:16	X																			
IC 460-385761/15-A			16:18	X																			
IC 460-385761/16-A			16:20	X																			
ICV 460-385820/7			16:22																				
ICB 460-385820/8			16:23																				
ZZZZZZ			16:25																				
ZZZZZZ			16:27																				
ZZZZZZ			16:29																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
ZZZZZZ			16:37																				
460-118857-1	1	T	16:39	X																			
460-118857-2	1	T	16:41	X																			
460-118857-3	1	T	16:43	X																			
CCV 460-385820/19			16:44																				
CCB 460-385820/20			16:46																				
460-118857-4	1	T	16:48	X																			
CCV 460-385820/22			16:50																				
CCB 460-385820/23			16:52																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7471B

Start Date: 08/19/2016 19:26 End Date: 08/19/2016 20:19

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			19:26																				
ZZZZZZ			19:28																				
ICIS 460-385856/3			19:30	X																			
IC 460-385761/12-A			19:32	X																			
IC 460-385761/13-A			19:34	X																			
IC 460-385761/14-A			19:35	X																			
IC 460-385761/15-A			19:37	X																			
IC 460-385761/16-A			19:39	X																			
ICV 460-385856/9	1		19:41	X																			
ICB 460-385856/10	1		19:43	X																			
MB 460-385761/1-A	1	T	19:45	X																			
LCSSRM 460-385761/2-A ^20	20	T	19:47	X																			
ZZZZZZ			19:49																				
ZZZZZZ			19:51																				
ZZZZZZ			19:52																				
ZZZZZZ			19:54																				
ZZZZZZ			19:56																				
ZZZZZZ			19:58																				
ZZZZZZ			20:00																				
ZZZZZZ			20:02																				
CCV 460-385856/21	1		20:04	X																			
CCB 460-385856/22	1		20:06	X																			
ZZZZZZ			20:08																				
ZZZZZZ			20:10																				
ZZZZZZ			20:11																				
ZZZZZZ			20:13																				
460-118881-A-12-A SD ^10	10	T	20:15	X																			
CCV 460-385856/28	1		20:17	X																			
CCB 460-385856/29	1		20:19	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7471B

Start Date: 08/22/2016 07:54 End Date: 08/22/2016 10:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			07:54																				
ICIS 460-386062/2			07:55	X																			
IC 460-385983/2-A			07:57	X																			
IC 460-385983/3-A			07:59	X																			
IC 460-385983/4-A			08:01	X																			
IC 460-385983/5-A			08:03	X																			
IC 460-385983/6-A			08:05	X																			
ICV 460-386062/8	1		08:06	X																			
ICB 460-386062/9	1		08:08	X																			
ZZZZZZ			08:10																				
ZZZZZZ			08:12																				
ZZZZZZ			08:14																				
ZZZZZZ			08:16																				
ZZZZZZ			08:18																				
ZZZZZZ			08:20																				
ZZZZZZ			08:22																				
ZZZZZZ			08:24																				
ZZZZZZ			08:26																				
ZZZZZZ			08:27																				
CCV 460-386062/20			08:29																				
CCB 460-386062/21			08:31																				
ZZZZZZ			08:33																				
ZZZZZZ			08:35																				
ZZZZZZ			08:37																				
ZZZZZZ			08:39																				
ZZZZZZ			08:40																				
ZZZZZZ			08:42																				
ZZZZZZ			08:44																				
ZZZZZZ			08:46																				
ZZZZZZ			08:48																				
ZZZZZZ			08:50																				
CCV 460-386062/32	1		08:52	X																			
CCB 460-386062/33	1		08:54	X																			
ZZZZZZ			08:56																				
ZZZZZZ			08:57																				
ZZZZZZ			08:59																				
ZZZZZZ			09:01																				
ZZZZZZ			09:03																				
MB 460-385991/1-A	1	T	09:05	X																			
LCSSRM 460-385991/2-A ^20	20	T	09:07	X																			
ZZZZZZ			09:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7471B

Start Date: 08/22/2016 07:54 End Date: 08/22/2016 10:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
460-118952-A-5-E DU	1	T	09:10	X																			
460-118952-G-5-A MS	1	T	09:12	X																			
CCV 460-386062/44	1		09:14	X																			
CCB 460-386062/45	1		09:16	X																			
460-118952-F-5-A SD ^5	5	T	09:18	X																			
ZZZZZZ			09:20																				
ZZZZZZ			09:22																				
ZZZZZZ			09:24																				
ZZZZZZ			09:25																				
ZZZZZZ			09:27																				
ZZZZZZ			09:29																				
ZZZZZZ			09:31																				
460-118926-1	1	T	09:33	X																			
460-118926-2	1	T	09:34	X																			
CCV 460-386062/56	1		09:36	X																			
CCB 460-386062/57	1		09:38	X																			
460-118926-3	1	T	09:40	X																			
460-118926-4	1	T	09:42	X																			
460-118926-5	1	T	09:44	X																			
460-118926-6	1	T	09:46	X																			
460-118926-7	1	T	09:48	X																			
ZZZZZZ			09:49																				
ZZZZZZ			09:51																				
ZZZZZZ			09:53																				
ZZZZZZ			09:55																				
ZZZZZZ			09:57																				
CCV 460-386062/68	1		09:58	X																			
CCB 460-386062/69	1		10:00	X																			
MB 460-386003/1-A	1	T	10:02	X																			
LCSSRM 460-386003/2-A ^20	20	T	10:04	X																			
460-118857-5	1	T	10:06	X																			
460-118857-5 DU	1	T	10:08	X																			
460-118857-5 MS	1	T	10:10	X																			
460-118857-5 SD	5	T	10:12	X																			
460-118857-6	1	T	10:13	X																			
460-118857-7	1	T	10:15	X																			
460-118857-8	1	T	10:17	X																			
460-118857-9	1	T	10:19	X																			
CCV 460-386062/80	1		10:21	X																			
CCB 460-386062/81	1		10:23	X																			
460-118857-10	1	T	10:25	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

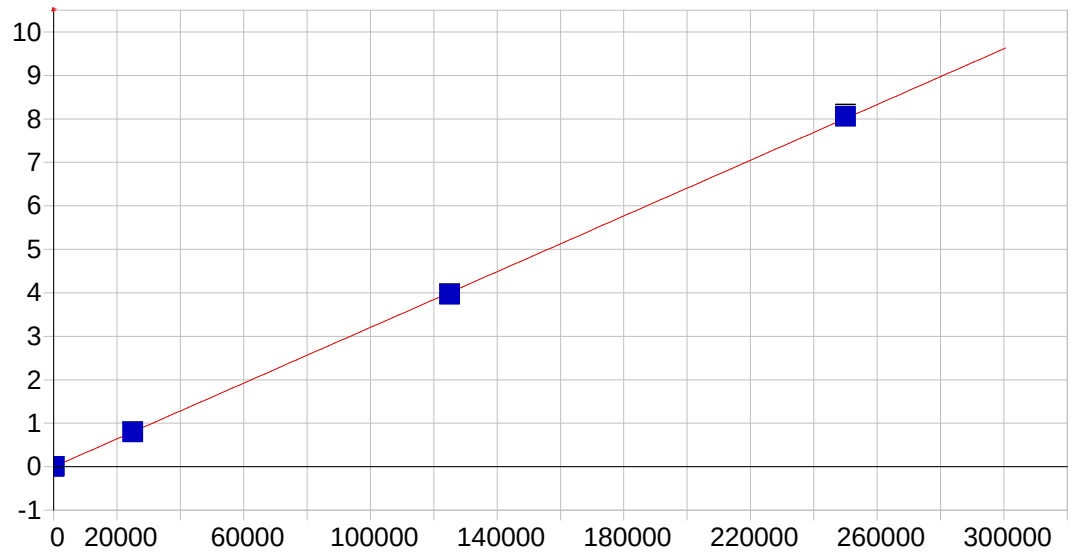
Instrument ID: LEEMAN6 Method: 7471B

Start Date: 08/22/2016 07:54 End Date: 08/22/2016 10:53

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
460-118857-11	1	T	10:27	X																			
460-118857-12	1	T	10:29	X																			
460-118857-13	1	T	10:30	X																			
460-118857-14	1	T	10:32	X																			
ZZZZZZ			10:34																				
ZZZZZZ			10:36																				
ZZZZZZ			10:38																				
ZZZZZZ			10:40																				
ZZZZZZ			10:42																				
CCV 460-386062/92	1		10:44	X																			
CCB 460-386062/93	1		10:45	X																			
ZZZZZZ			10:47																				
ZZZZZZ			10:49																				
CCV 460-386062/96			10:51																				
CCB 460-386062/97			10:53																				

Prep Types

T = Total/NA

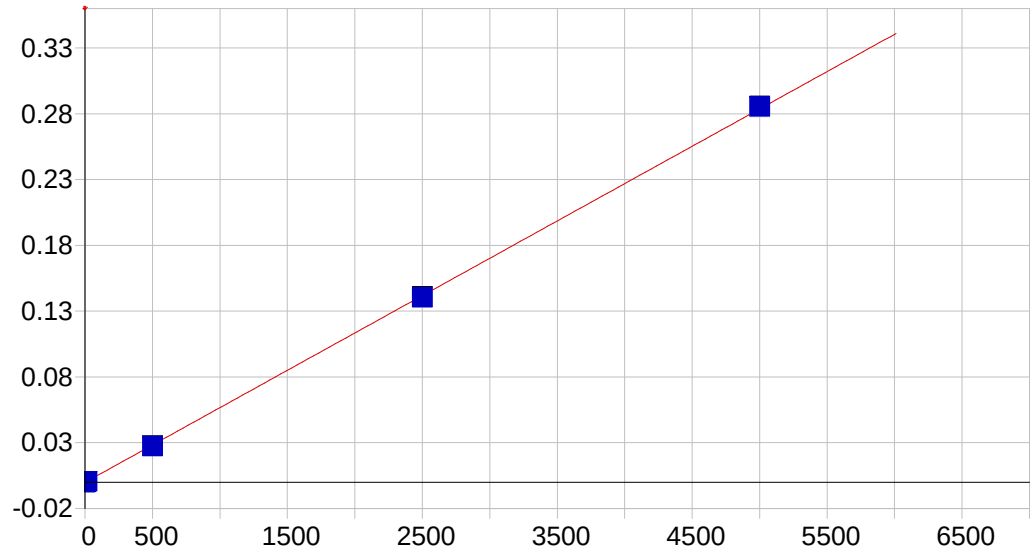


Al 396.152 { 85}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000475	Re-Slope:	1.000000
A1 (Gain):	0.000032	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999970	Status:	OK.
Std Error of Est:	0.000090		
Predicted MDL:	16.423413		
Predicted MQL:	54.744708		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00123	.001	.000	-.00048	.000	1
CAL2	200.00	201.19	1.19	.593	.00599	.001	1
CAL3	25000.	24810.	-190.	-.762	.79505	.001	1
CAL4	125000.	123700.	-1300.	-1.04	3.9661	.014	1
CAL5	250000.	251490.	1490.	.595	8.0635	.044	1

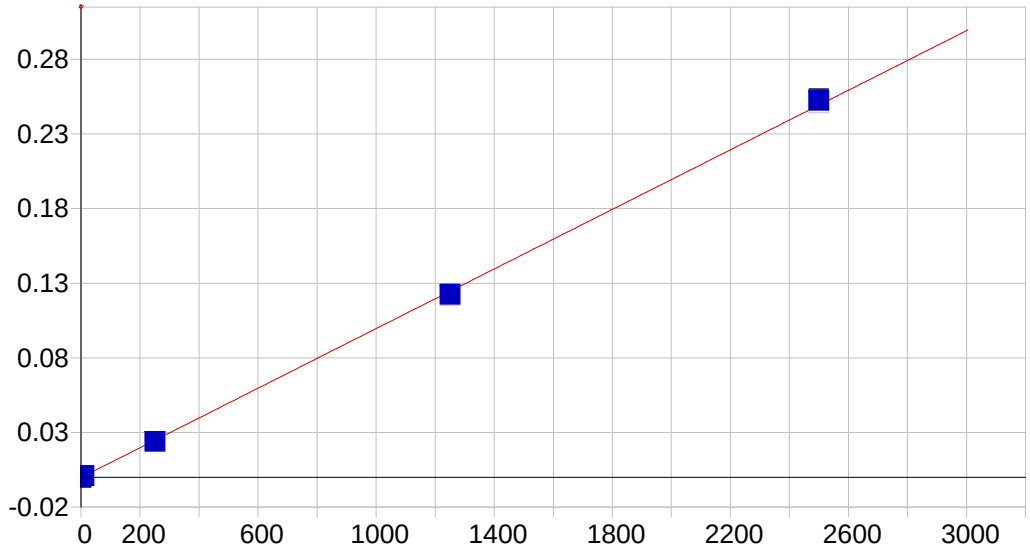


As 189.042 {478}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000099	Re-Slope:	1.000000
A1 (Gain):	0.000057	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999942	Status:	OK.
Std Error of Est:	0.000005		
Predicted MDL:	2.069978		
Predicted MQL:	6.899927		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00086	-.001	.000	-.00010	.000	1
CAL2	15.000	15.474	.474	3.16	.00078	.000	1
CAL3	500.00	486.81	-13.2	-2.64	.02748	.000	1
CAL4	2500.0	2478.0	-22.0	-.879	.14031	.000	1
CAL5	5000.0	5033.8	33.8	.677	.28513	.000	1
CAL1	5.0000	5.8445	.845	16.9	.00023	.000	1

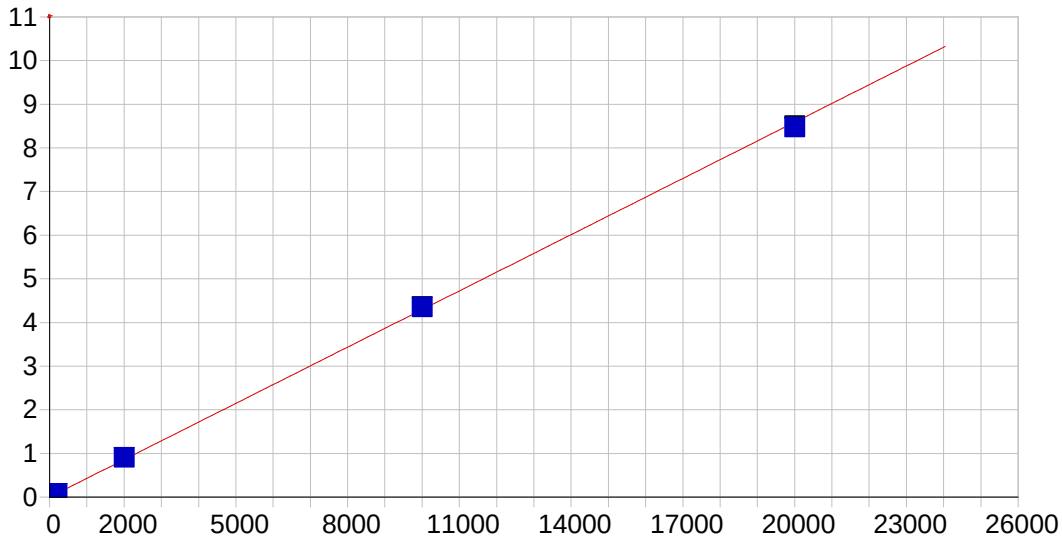


Ag 328.068 {103}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000191	Re-Slope:	1.000000
A1 (Gain):	0.000100	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999868	Status:	OK.
Std Error of Est:	0.000013		
Predicted MDL:	0.776855		
Predicted MQL:	2.589517		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00029	.000	.000	-.00019	.000	1
CAL2	10.000	10.108	.108	1.08	.00081	.000	1
CAL3	250.00	241.44	-8.56	-3.42	.02373	.000	1
CAL4	1250.0	1228.1	-21.9	-1.75	.12152	.000	1
CAL5	2500.0	2530.4	30.4	1.21	.25064	.001	1

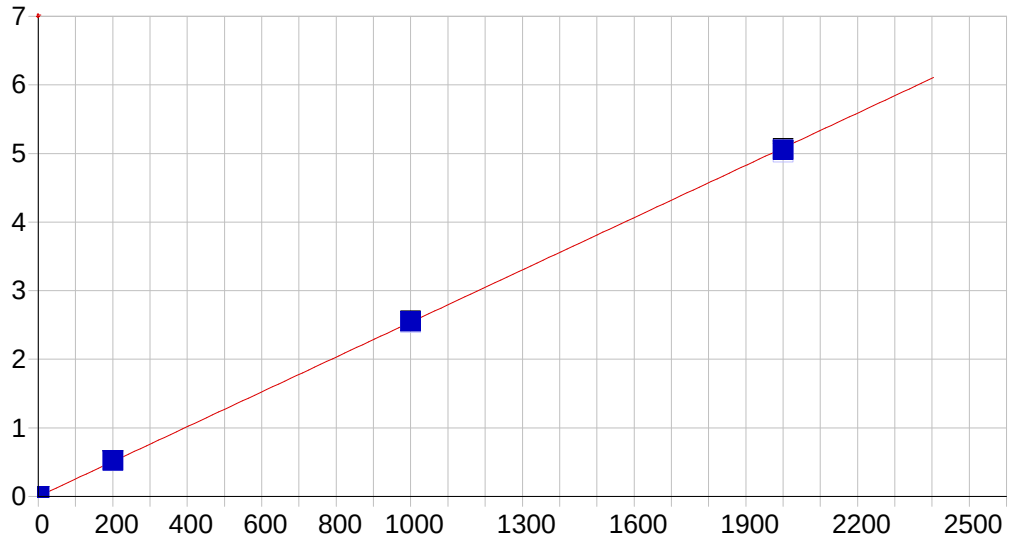


Ba 233.527 {445}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000125	Re-Slope:	1.000000
A1 (Gain):	0.000429	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999803	Status:	OK.
Std Error of Est:	0.000883		
Predicted MDL:	0.259337		
Predicted MQL:	0.864455		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02578	-.026	.000	.00011	.000	1
CAL2	200.00	214.49	14.5	7.25	.09221	.000	1
CAL3	2000.0	2111.7	112.	5.59	.90662	.000	1
CAL4	10000.	10138.	138.	1.38	4.3519	.004	1
CAL5	20000.	19736.	-264.	-1.32	8.4718	.026	1



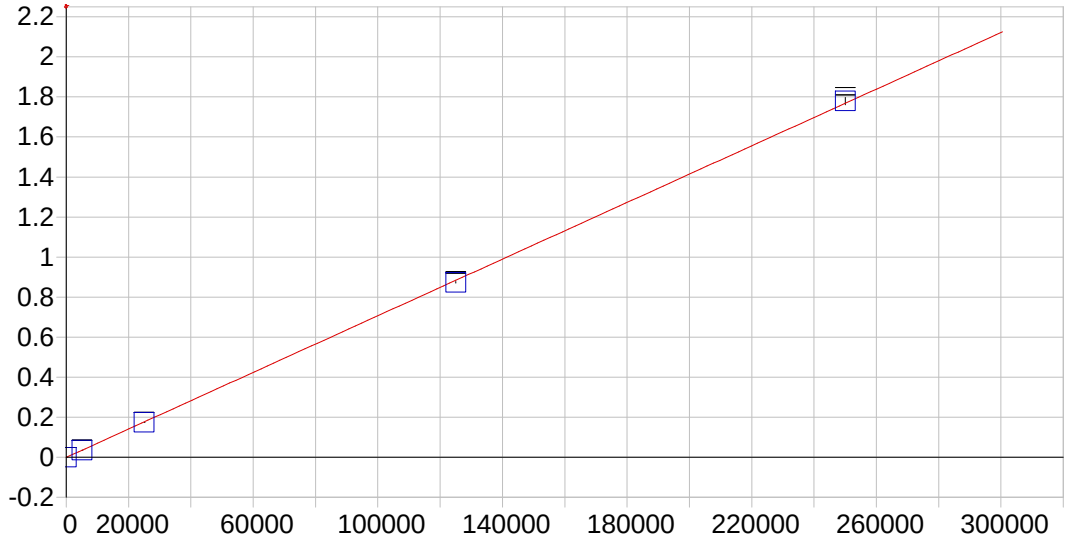
Be 313.042 {108}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000299	Re-Slope:	1.000000

A1 (Gain):	0.002540	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000068		
Predicted MDL:	0.158878		
Predicted MQL:	0.529593		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00003	-.000	.000	.00030	.000	1
CAL2	2.0000	1.9737	-.026	-1.32	.00528	.001	1
CAL3	200.00	205.18	5.18	2.59	.51778	.000	1
CAL4	1000.0	1005.1	5.06	.506	2.5347	.006	1
CAL5	2000.0	1989.8	-10.2	-.511	5.0175	.017	1

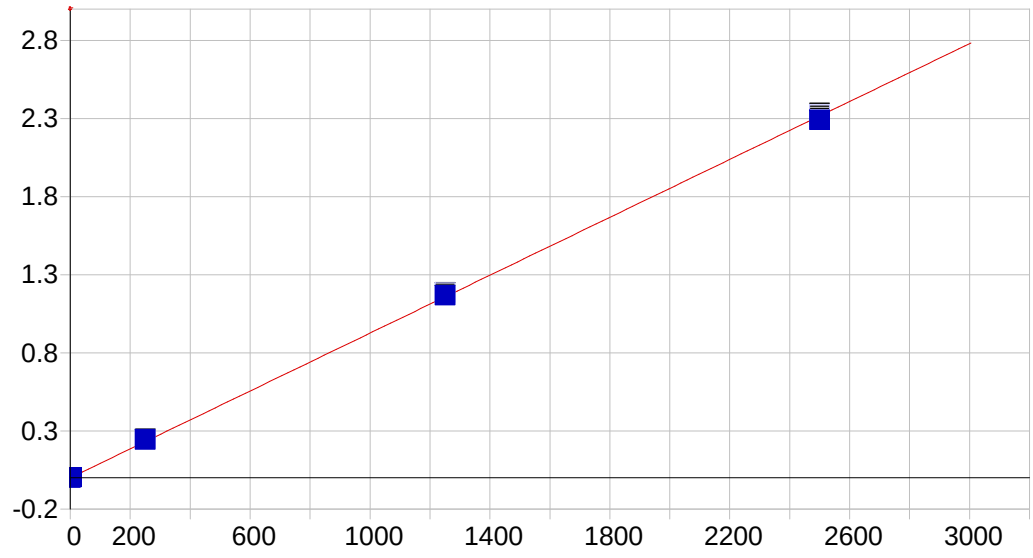


Ca 318.128 {106}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000720	Re-Slope:	1.000000
A1 (Gain):	0.000007	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000107		
Predicted MDL:	12.096202		
Predicted MQL:	40.320675		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.04693	.047	.000	-.00072	.000	1
CAL2	5000.0	5018.6	18.6	.372	.03478	.000	1
CAL3	25000.	24792.	-208.	-.831	.17468	.000	1
CAL4	125000.	123610.	-1390.	-1.11	.87377	.004	1
CAL5	250000.	251580.	1580.	.632	1.7791	.019	1

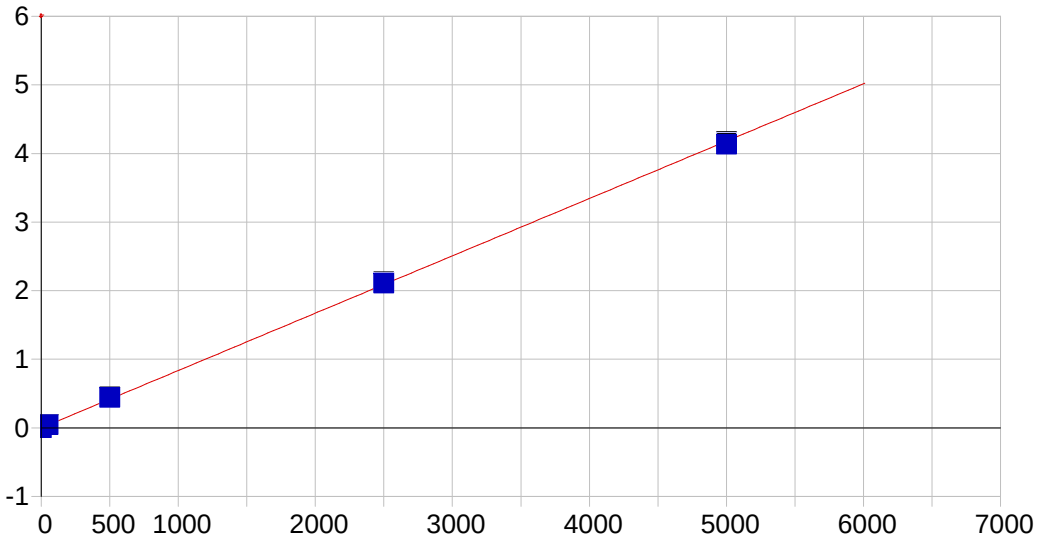


Cd 226.502 {449}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000045	Re-Slope:	1.000000
A1 (Gain):	0.000926	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999854	Status:	OK.
Std Error of Est:	0.000083		
Predicted MDL:	0.174448		
Predicted MQL:	0.581493		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00046	-.000	.000	-.00005	.000	1
CAL2	4.0000	4.2423	.242	6.06	.00391	.000	1
CAL3	250.00	264.14	14.1	5.66	.24791	.000	1
CAL4	1250.0	1261.9	11.9	.956	1.1853	.001	1
CAL5	2500.0	2473.7	-26.3	-1.05	2.3241	.009	1



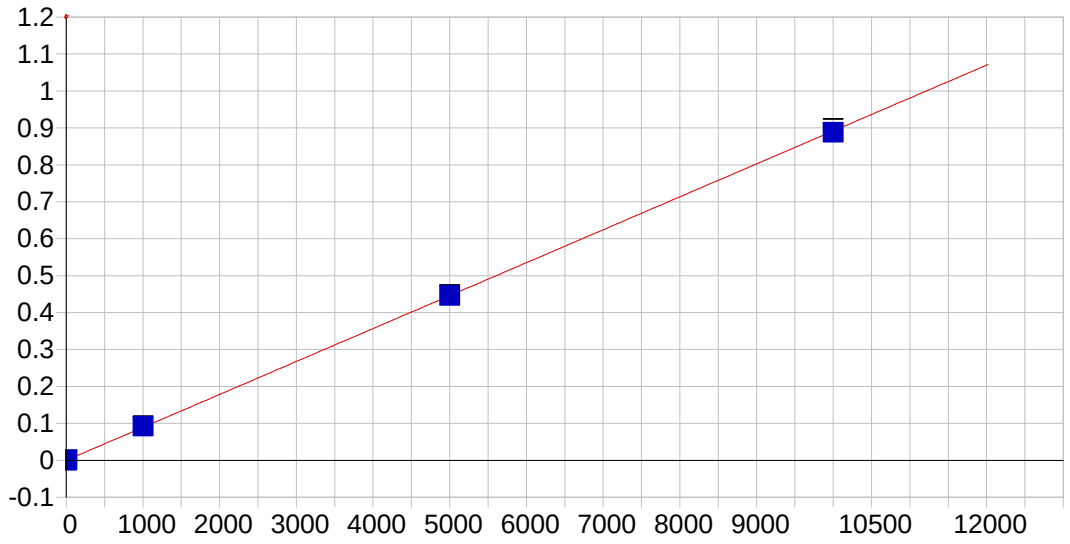
Co 228.616 {447}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000017	Re-Slope:	1.000000

A1 (Gain):	0.000836	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999816	Status:	OK.
Std Error of Est:	0.000418		
Predicted MDL:	0.259201		
Predicted MQL:	0.864003		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00661	-.007	.000	-.00002	.000	1
CAL2	50.000	53.638	3.64	7.28	.04483	.000	1
CAL3	500.00	531.08	31.1	6.22	.44673	.000	1
CAL4	2500.0	2521.2	21.2	.848	2.1216	.005	1
CAL5	5000.0	4944.1	-55.9	-1.12	4.1610	.010	1

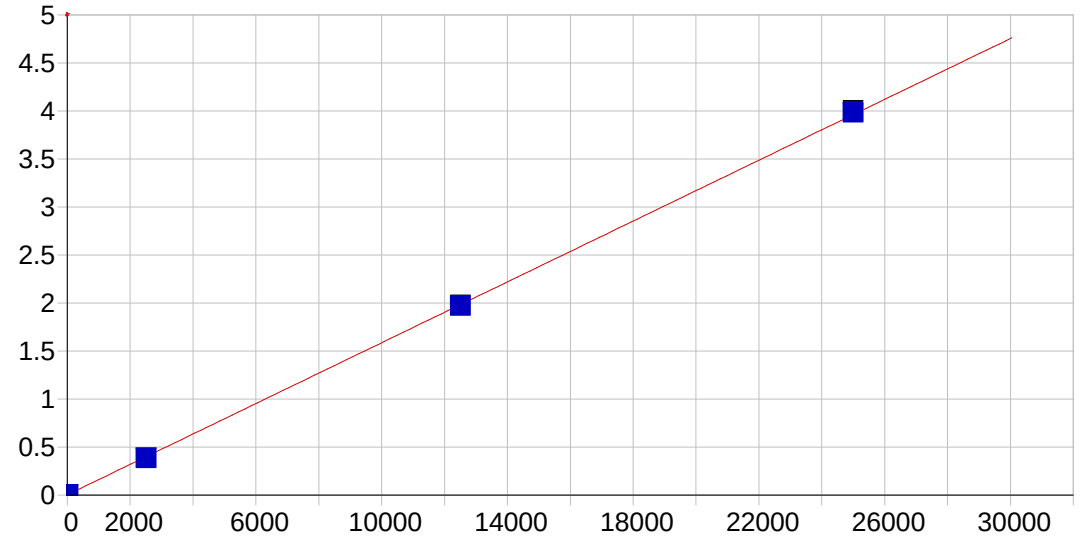


Cr 267.716 {126}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000056	Re-Slope:	1.000000
A1 (Gain):	0.000089	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999953	Status:	OK.
Std Error of Est:	0.000014		
Predicted MDL:	0.617345		
Predicted MQL:	2.057816		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00084	-.001	.000	.00006	.000	1
CAL2	10.000	10.507	.507	5.07	.00100	.000	1
CAL3	1000.0	1036.3	36.3	3.63	.09246	.000	1
CAL4	5000.0	5003.6	3.63	.073	.44622	.002	1
CAL5	10000.	9959.5	-40.5	-.405	.88813	.009	1

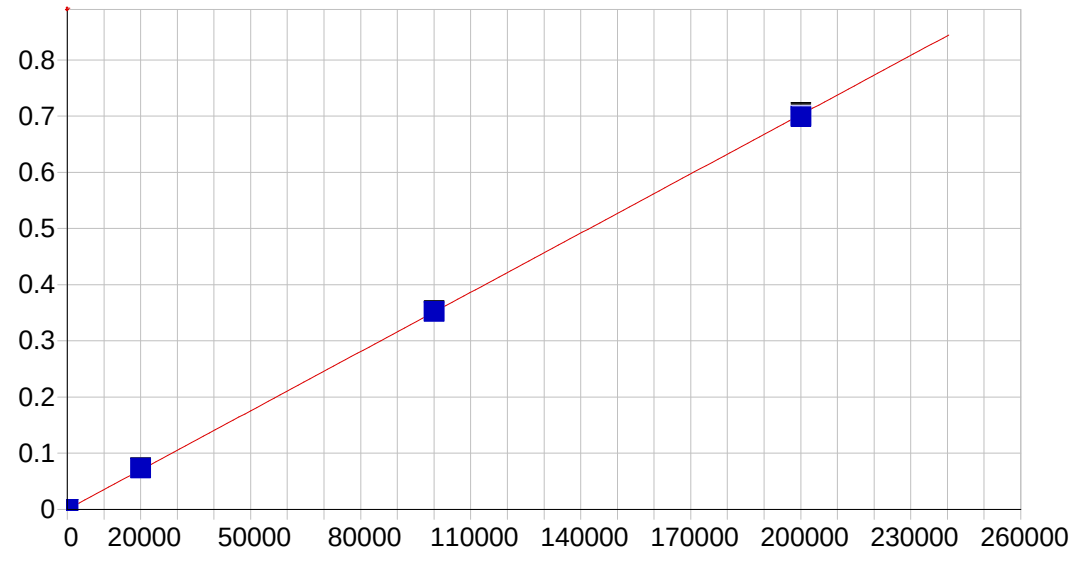


Cu 324.754 {104}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003159	Re-Slope:	1.000000
A1 (Gain):	0.000158	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999949	Status:	OK.
Std Error of Est:	0.000065		
Predicted MDL:	0.485278		
Predicted MQL:	1.617593		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00208	.002	.000	.00316	.000	1
CAL2	25.000	23.722	-1.28	-5.11	.00691	.000	1
CAL3	2500.0	2418.0	-82.0	-3.28	.38584	.001	1
CAL4	12500.	12431.	-69.4	-.555	1.9705	.006	1
CAL5	25000.	25153.	153.	.611	3.9841	.015	1



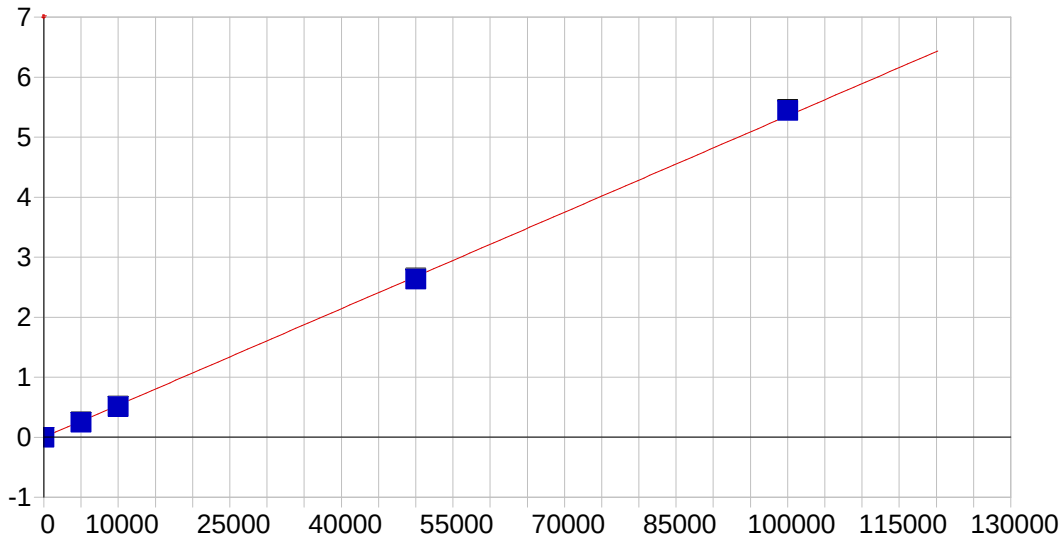
Fe 271.441 {124}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000014	Re-Slope:	1.000000

A1 (Gain):	0.000004	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999932	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	15.534639		
Predicted MQL:	51.782131		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01104	-.011	.000	.00001	.000	1
CAL2	150.00	155.01	5.01	3.34	.00058	.000	1
CAL3	20000.	20878.	878.	4.39	.07359	.000	1
CAL4	100000.	100140.	138.	.138	.35294	.001	1
CAL5	200000.	198980.	-1020.	-.510	.70131	.005	1

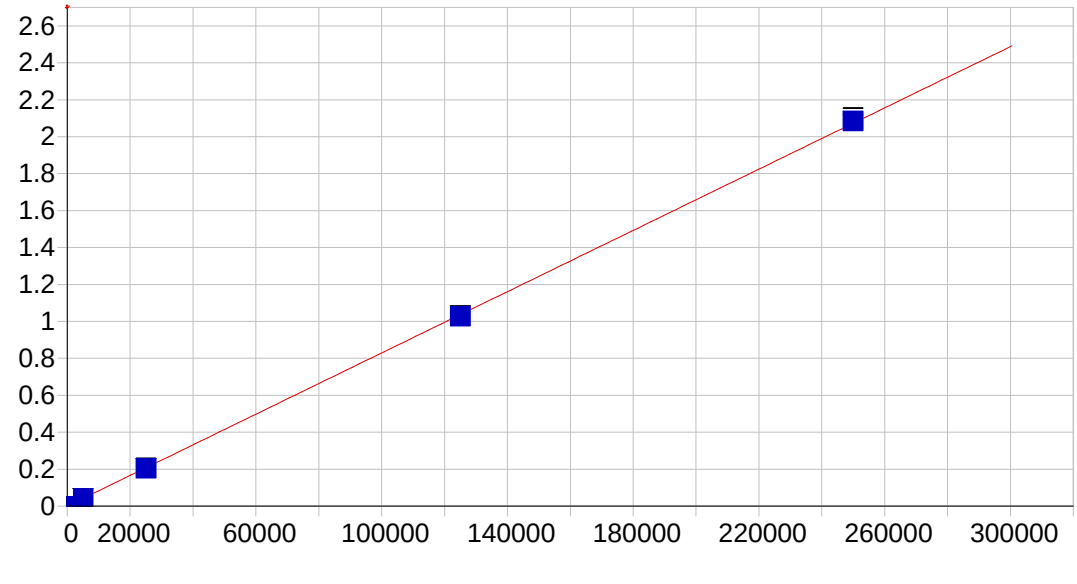


K 766.490 { 44}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000718	Re-Slope:	1.000000
A1 (Gain):	0.000054	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999756	Status:	OK.
Std Error of Est:	0.001387		
Predicted MDL:	35.177107		
Predicted MQL:	117.257022		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.55772	.558	.000	-.00069	.001	1
CAL2	5000.0	4670.1	-330.	-6.60	.24941	.001	1
CAL3	10000.	9546.6	-453.	-4.53	.51079	.003	1
CAL4	50000.	49194.	-806.	-1.61	2.6351	.011	1
CAL5	100000.	101590.	1590.	1.59	5.4424	.012	1

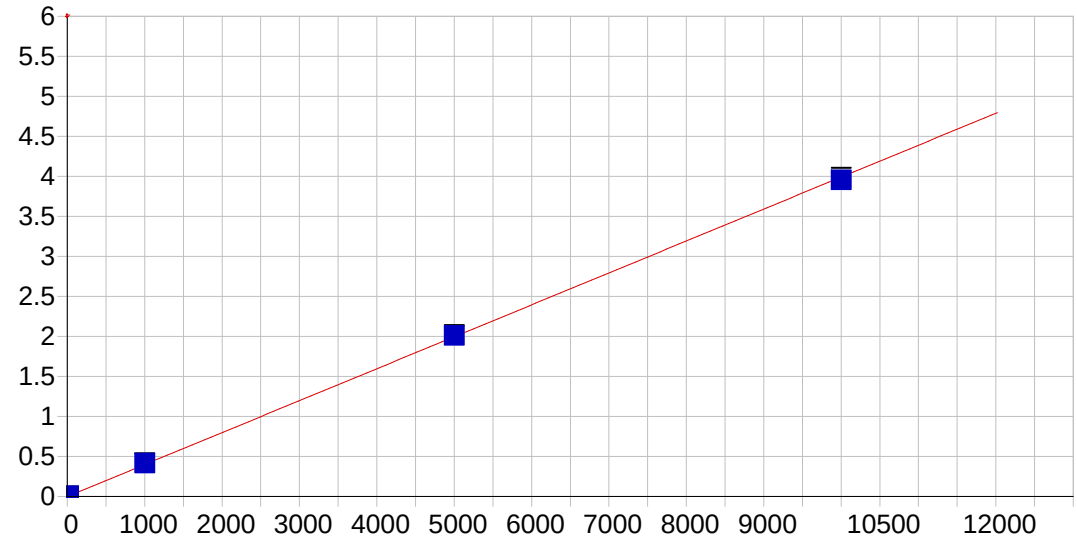


Mg 279.079 {121}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000058	Re-Slope:	1.000000
A1 (Gain):	0.000008	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999974	Status:	OK.
Std Error of Est:	0.000109		
Predicted MDL:	6.642551		
Predicted MQL:	22.141837		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.14821	.148	.000	.00006	.000	1
CAL2	5000.0	4918.6	-81.4	-1.63	.04084	.000	1
CAL3	25000.	24737.	-263.	-1.05	.20503	.000	1
CAL4	125000.	123940.	-1060.	-.846	1.0270	.003	1
CAL5	250000.	251400.	1400.	.561	2.0832	.018	1



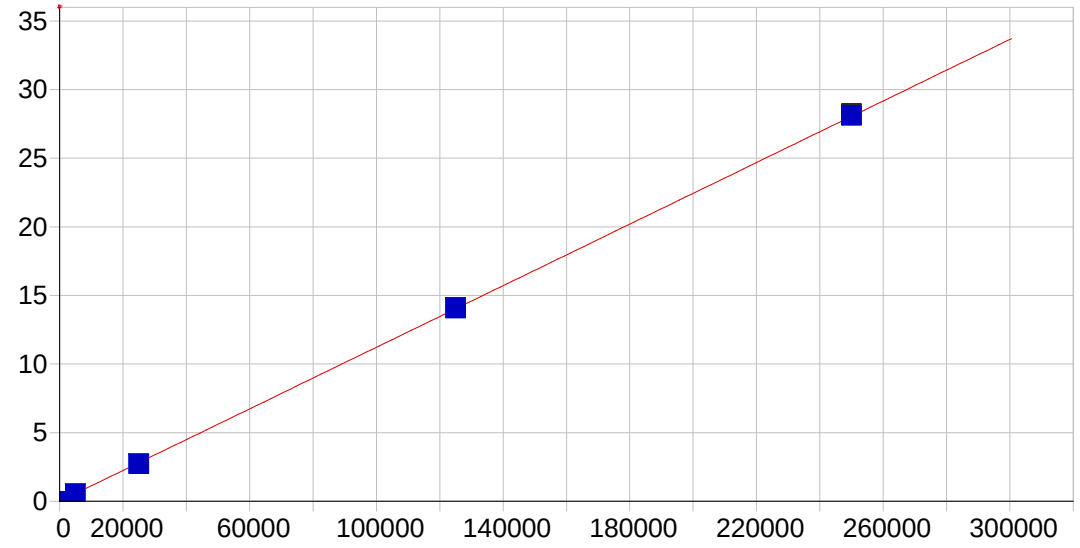
Mn 257.610 {131}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000062	Re-Slope:	1.000000

A1 (Gain):	0.000399	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999904	Status:	OK.
Std Error of Est:	0.000111		
Predicted MDL:	0.112751		
Predicted MQL:	0.375836		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00187	-.002	.000	.00006	.000	1
CAL2	15.000	16.224	1.22	8.16	.00653	.000	1
CAL3	1000.0	1043.5	43.5	4.35	.41594	.001	1
CAL4	5000.0	5041.5	41.5	.831	2.0092	.007	1
CAL5	10000.	9913.7	-86.3	-.863	3.9509	.031	1

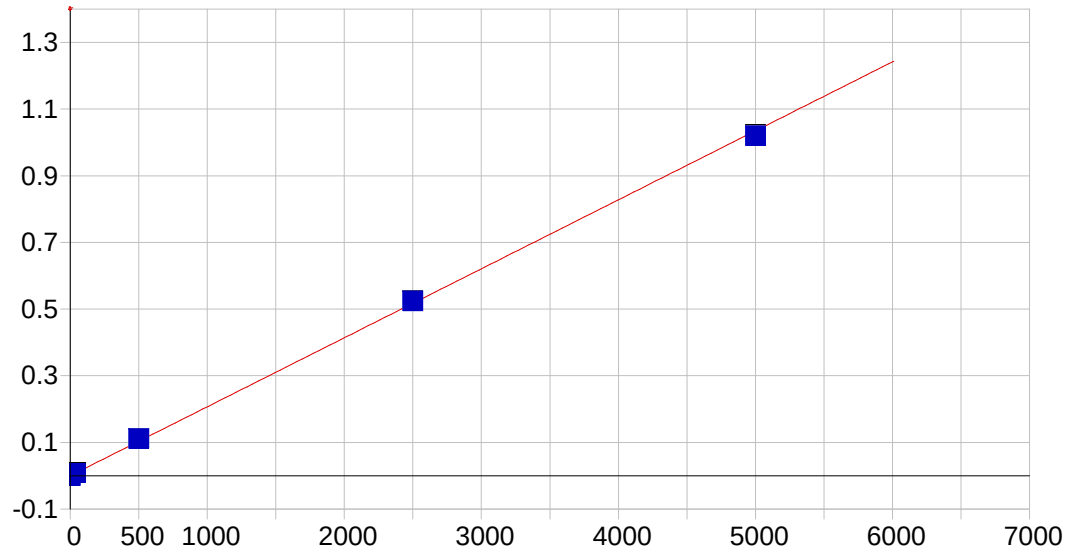


Na 589.592 { 57}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001285	Re-Slope:	1.000000
A1 (Gain):	0.000112	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999962	Status:	OK.
Std Error of Est:	0.001796		
Predicted MDL:	15.682691		
Predicted MQL:	52.275638		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.32221	.322	.000	.00132	.001	1
CAL2	5000.0	4794.2	-206.	-4.12	.53925	.003	1
CAL3	25000.	24292.	-708.	-2.83	2.7280	.004	1
CAL4	125000.	125350.	347.	.277	14.071	.039	1
CAL5	250000.	250570.	567.	.227	28.126	.093	1

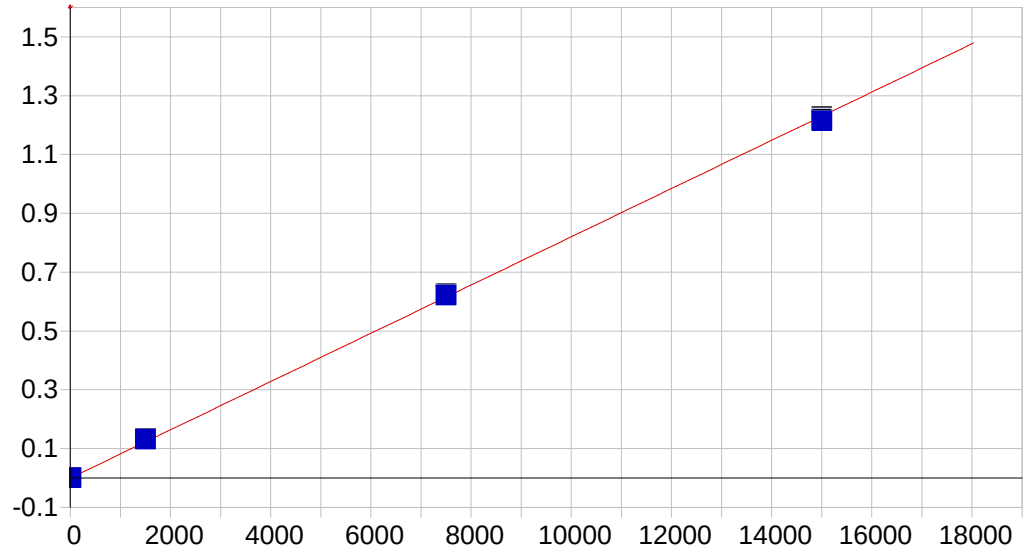


Ni 231.604 {446}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000004	Re-Slope:	1.000000
A1 (Gain):	0.000207	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999719	Status:	OK.
Std Error of Est:	0.000113		
Predicted MDL:	0.725676		
Predicted MQL:	2.418921		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00611	-.006	.000	-.00001	.000	1
CAL2	40.000	43.220	3.22	8.05	.00894	.000	1
CAL3	500.00	536.68	36.7	7.34	.11108	.000	1
CAL4	2500.0	2534.1	34.1	1.37	.52450	.001	1
CAL5	5000.0	4926.0	-74.0	-1.48	1.0196	.004	1



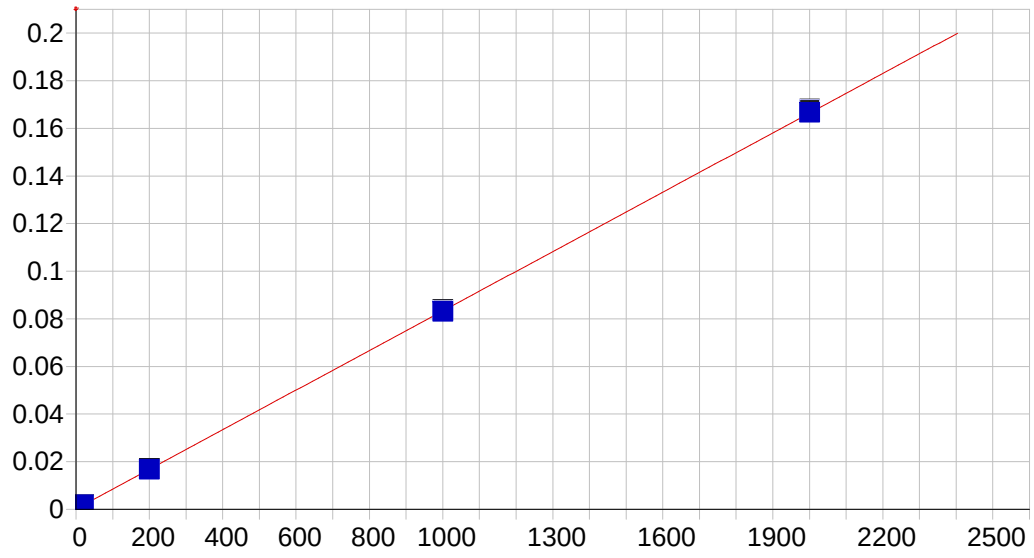
Pb 220.353 {453}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000166	Re-Slope:	1.000000

A1 (Gain):	0.000082	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999766	Status:	OK.
Std Error of Est:	0.000024		
Predicted MDL:	2.505870		
Predicted MQL:	8.352901		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00095	-.001	.000	-.00017	.000	1
CAL2	10.000	10.622	.622	6.22	.00071	.000	1
CAL3	1500.0	1609.2	109.	7.28	.13274	.000	1
CAL4	7500.0	7583.6	83.6	1.11	.62646	.001	1
CAL5	15000.	14806.	-194.	-1.29	1.2235	.005	1
CAL1	5.0000	5.2825	.283	5.65	.00027	.000	1

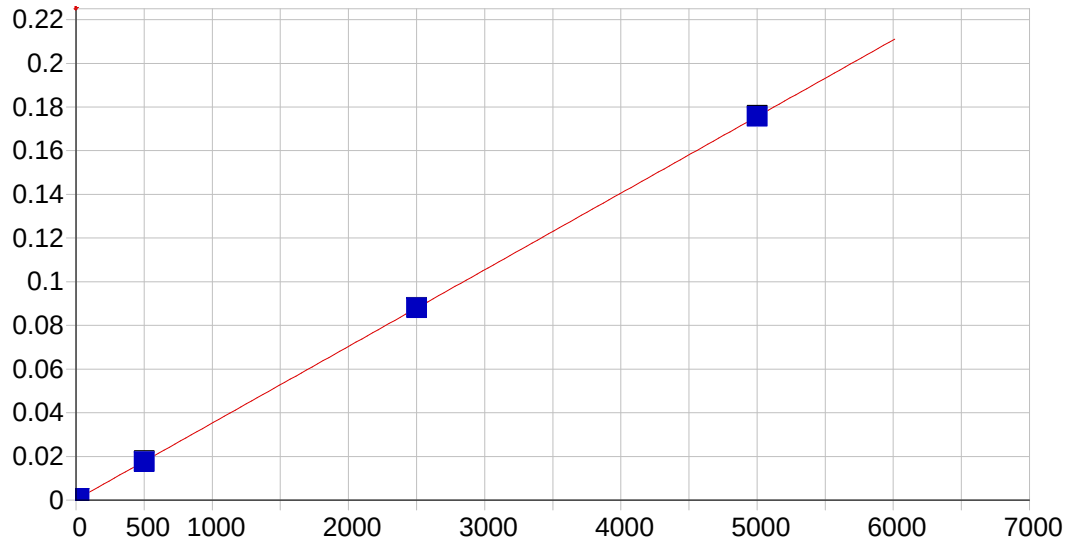


Sb 206.833 {463}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000210	Re-Slope:	1.000000
A1 (Gain):	0.000083	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999996	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	1.753501		
Predicted MQL:	5.845002		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00019	.000	.000	.00021	.000	1
CAL2	20.000	20.185	.185	.924	.00182	.000	1
CAL3	200.00	199.03	-.972	-.486	.01686	.000	1
CAL4	1000.0	997.06	-2.94	-.294	.08363	.000	1
CAL5	2000.0	2004.0	3.96	.198	.16786	.000	1
CAL1	10.000	9.7744	-.226	-2.26	.00102	.000	1

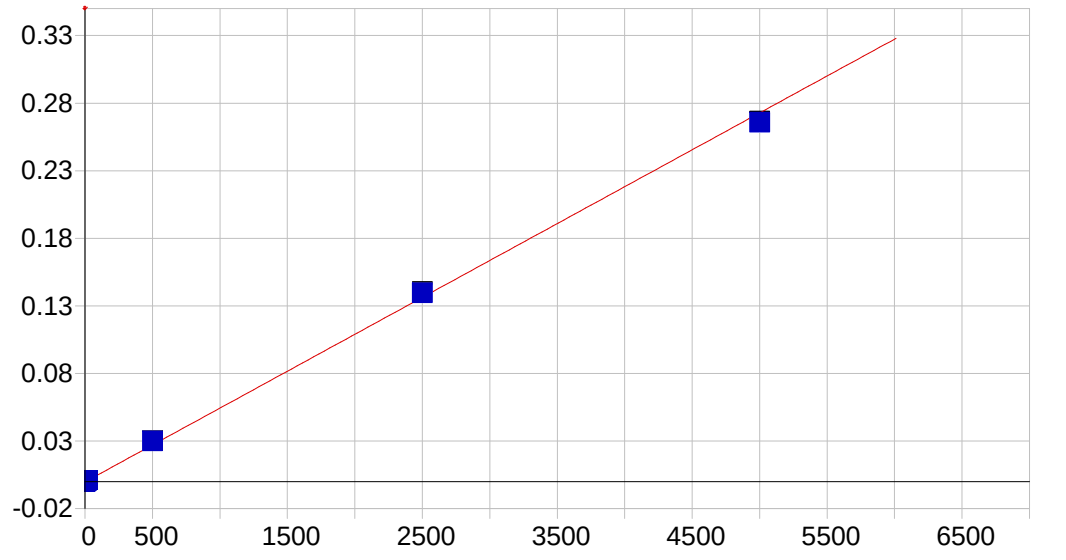


Se 196.090 {472}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000186	Re-Slope:	1.000000
A1 (Gain):	0.000035	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999932	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	3.351914		
Predicted MQL:	11.173046		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00247	.002	.000	.00019	.000	1
CAL2	20.000	16.781	-3.22	-16.1	.00077	.000	1
CAL3	500.00	497.96	-2.04	-.408	.01763	.000	1
CAL4	2500.0	2504.3	4.31	.172	.08791	.000	1
CAL5	5000.0	5002.6	2.62	.052	.17542	.000	1
CAL1	5.0000	3.3427	-1.66	-33.1	.00030	.000	1

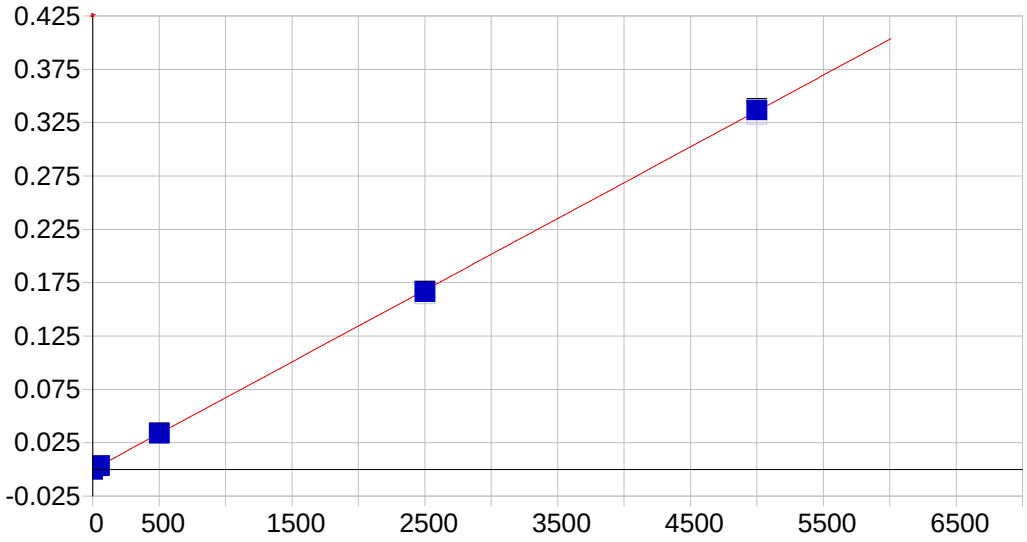


Tl 190.856 {477}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000306	Re-Slope:	1.000000
A1 (Gain):	0.000055	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999258	Status:	OK.
Std Error of Est:	0.000023		
Predicted MDL:	2.544043		
Predicted MQL:	8.480145		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00473	-.005	.000	-.00031	.000	1
CAL2	20.000	24.021	4.02	20.1	.00100	.000	1
CAL3	500.00	554.89	54.9	11.0	.02995	.000	1
CAL4	2500.0	2564.5	64.5	2.58	.13952	.001	1
CAL5	5000.0	4874.9	-125.	-2.50	.26546	.001	1
CAL1	10.000	11.611	1.61	16.1	.00033	.000	1

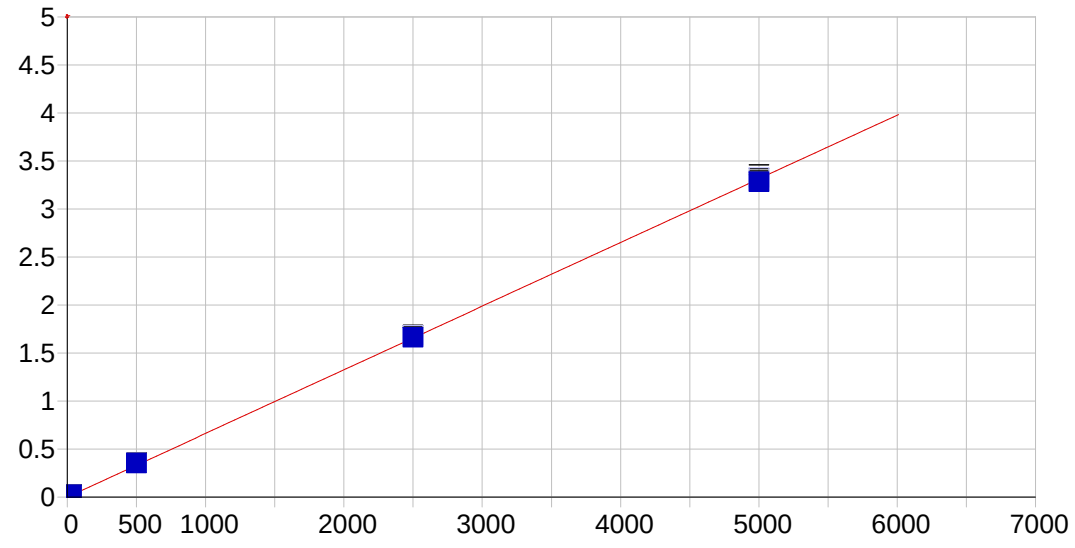


V 292.402 {115}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000006	Re-Slope:	1.000000
A1 (Gain):	0.000067	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000011		
Predicted MDL:	0.858479		
Predicted MQL:	2.861598		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00214	-.002	.000	-.00001	.000	1
CAL2	50.000	52.092	2.09	4.18	.00348	.000	1
CAL3	500.00	503.16	3.16	.633	.03337	.000	1
CAL4	2500.0	2478.8	-21.2	-.847	.16439	.001	1
CAL5	5000.0	5015.9	15.9	.318	.33269	.001	1

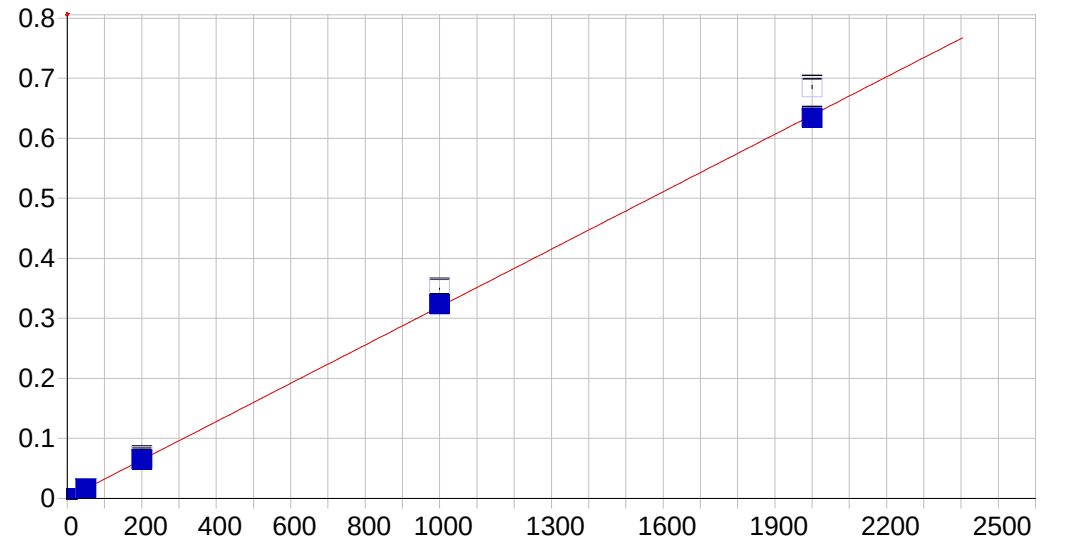


Zn 206.200 {463}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000101	Re-Slope:	1.000000
A1 (Gain):	0.000663	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999808	Status:	OK.
Std Error of Est:	0.000263		
Predicted MDL:	0.228843		
Predicted MQL:	0.762810		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00620	-.006	.000	.00010	.000	1
CAL2	30.000	34.441	4.44	14.8	.02295	.000	1
CAL3	500.00	532.31	32.3	6.46	.35701	.002	1
CAL4	2500.0	2507.5	7.53	.301	1.6826	.003	1
CAL5	5000.0	4955.8	-44.2	-.885	3.3257	.031	1



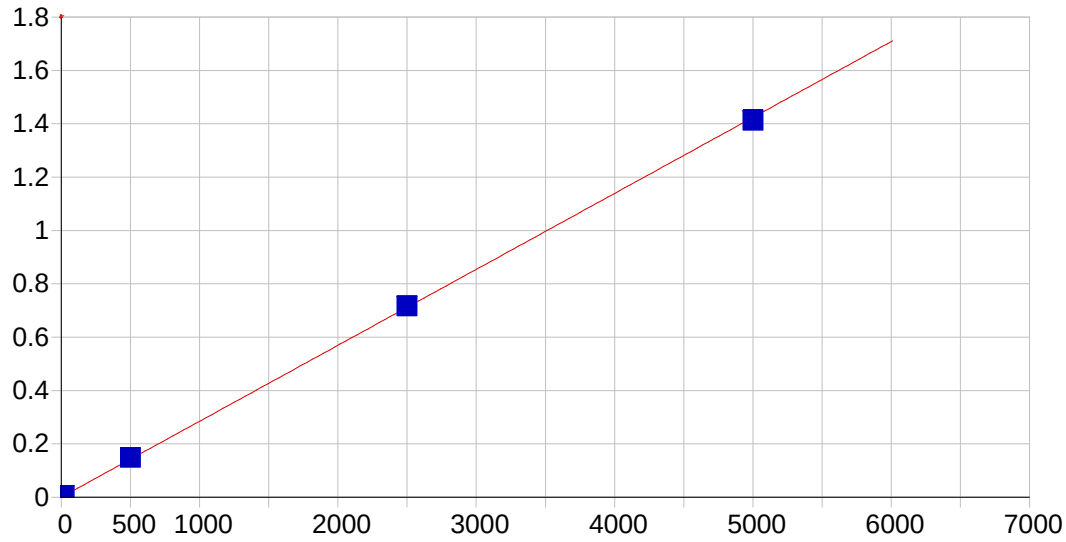
B 208.959 {461}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000403	Re-Slope:	1.000000

A1 (Gain):	0.000319	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999963	Status:	OK.
Std Error of Est:	0.000049		
Predicted MDL:	0.507998		
Predicted MQL:	1.693326		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00032	-.000	.000	.00040	.000	1
CAL2	50.000	49.587	-.413	-.825	.01643	.000	1
CAL3	200.00	201.80	1.80	.898	.06993	.001	1
CAL4	1000.0	1012.7	12.7	1.27	.34926	.001	1
CAL5	2000.0	1985.9	-14.1	-.707	.68548	.003	1

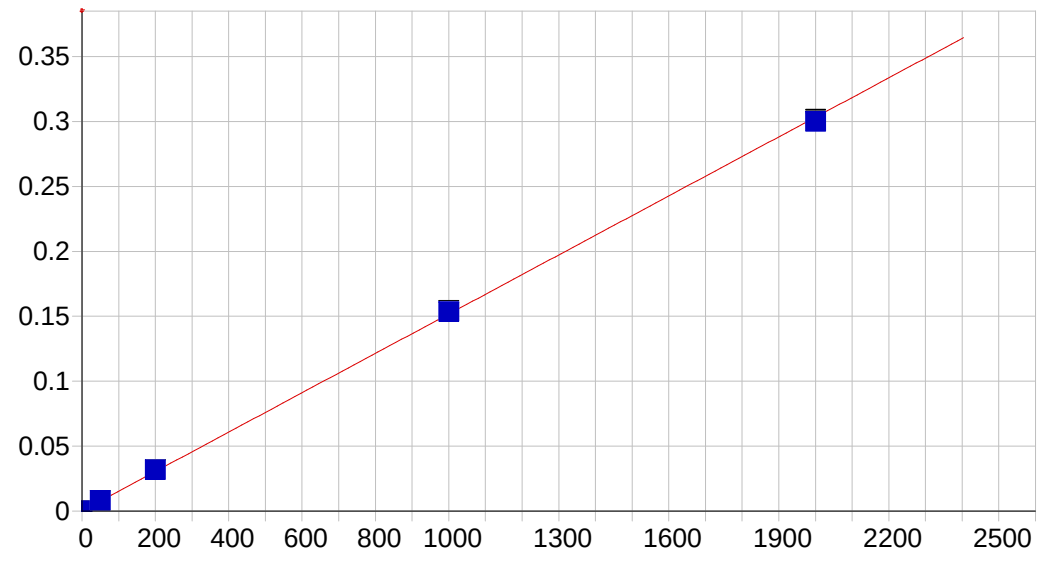


Mo 202.030 {467}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000156	Re-Slope:	1.000000
A1 (Gain):	0.000285	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999919	Status:	OK.
Std Error of Est:	0.000059		
Predicted MDL:	0.405002		
Predicted MQL:	1.350007		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00101	-.001	.000	.00016	.000	1
CAL2	20.000	20.185	.185	.924	.00590	.000	1
CAL3	500.00	520.94	20.9	4.19	.14842	.001	1
CAL4	2500.0	2517.2	17.2	.689	.71656	.001	1
CAL5	5000.0	4961.6	-38.4	-.767	1.4122	.002	1

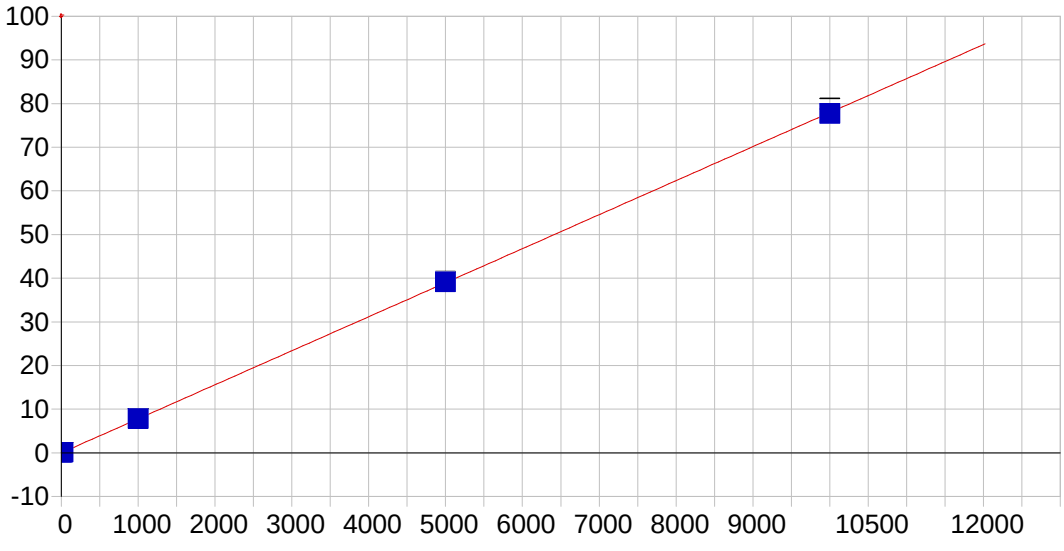


Sn 189.989 {477}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000212	Re-Slope:	1.000000
A1 (Gain):	0.000152	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999874	Status:	OK.
Std Error of Est:	0.000040		
Predicted MDL:	0.776609		
Predicted MQL:	2.588698		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00373	-.004	.000	.00021	.000	1
CAL2	50.000	51.542	1.54	3.08	.00802	.000	1
CAL3	200.00	208.52	8.52	4.26	.03185	.000	1
CAL4	1000.0	1012.4	12.4	1.24	.15386	.001	1
CAL5	2000.0	1977.5	-22.5	-1.13	.30032	.001	1



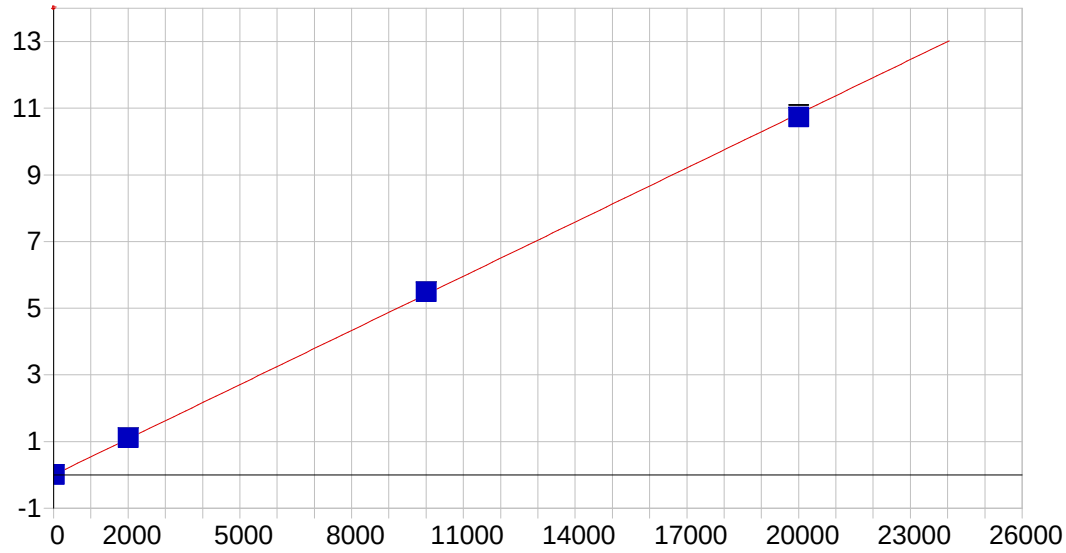
Sr 407.771 { 83}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003242	Re-Slope:	1.000000

A1 (Gain):	0.007794		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999992		Status:	OK.	
Std Error of Est:	0.000730				
Predicted MDL:	0.103589				
Predicted MQL:	0.345296				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00049	-.000	.000	-.00325	.001	1
CAL2	20.000	20.346	.346	1.73	.15555	.001	1
CAL3	1000.0	1005.1	5.09	.509	7.8341	.010	1
CAL4	5000.0	5025.9	25.9	.517	39.187	.083	1
CAL5	10000.	9968.7	-31.3	-.313	77.730	1.21	1

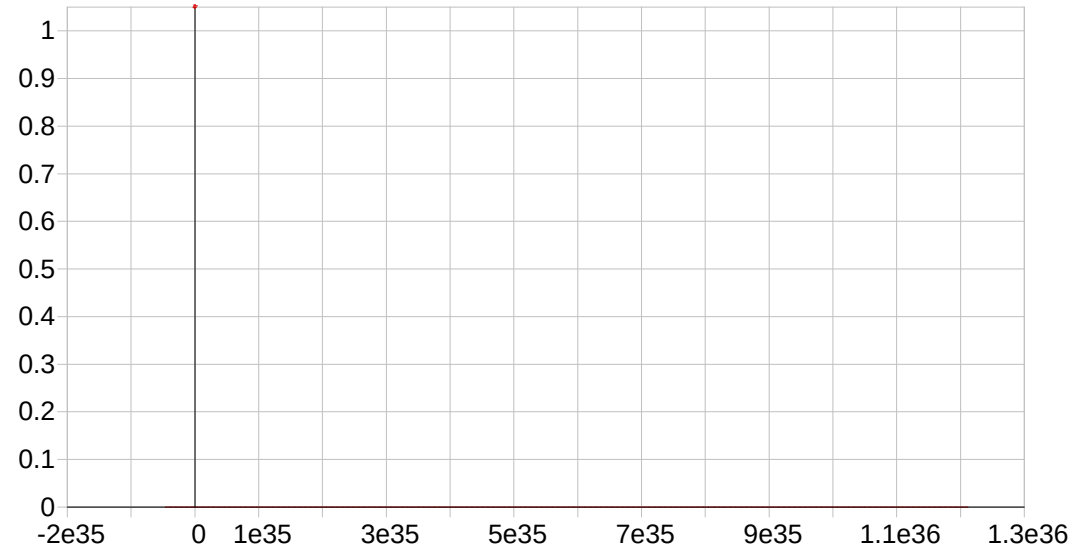


Ti 334.941 {101}

Date of Fit:	8/21/2016 10:34:36	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000014	Re-Slope:	1.000000
A1 (Gain):	0.000542	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999922	Status:	OK.
Std Error of Est:	0.000220		
Predicted MDL:	0.174837		
Predicted MQL:	0.582789		

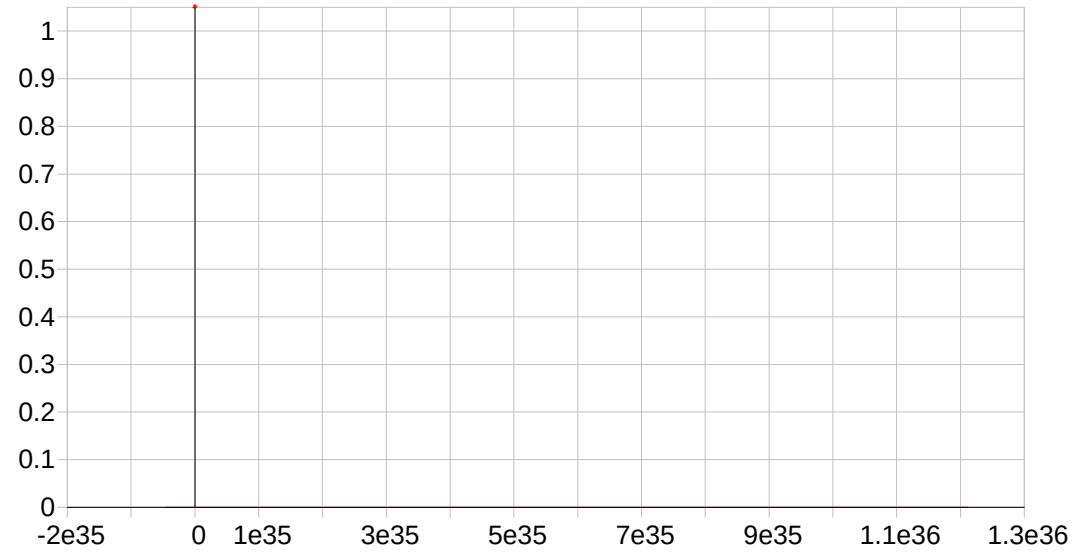
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00165	-.002	.000	.00001	.000	1
CAL2	20.000	21.067	1.07	5.34	.01143	.000	1
CAL3	2000.0	2049.9	49.9	2.50	1.1107	.002	1
CAL4	10000.	10137.	137.	1.37	5.4925	.008	1
CAL5	20000.	19812.	-188.	-.942	10.734	.072	1



Y 224.306 {450}*

Date of Fit:	8/21/2016 10:08:32	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	183.492520				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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

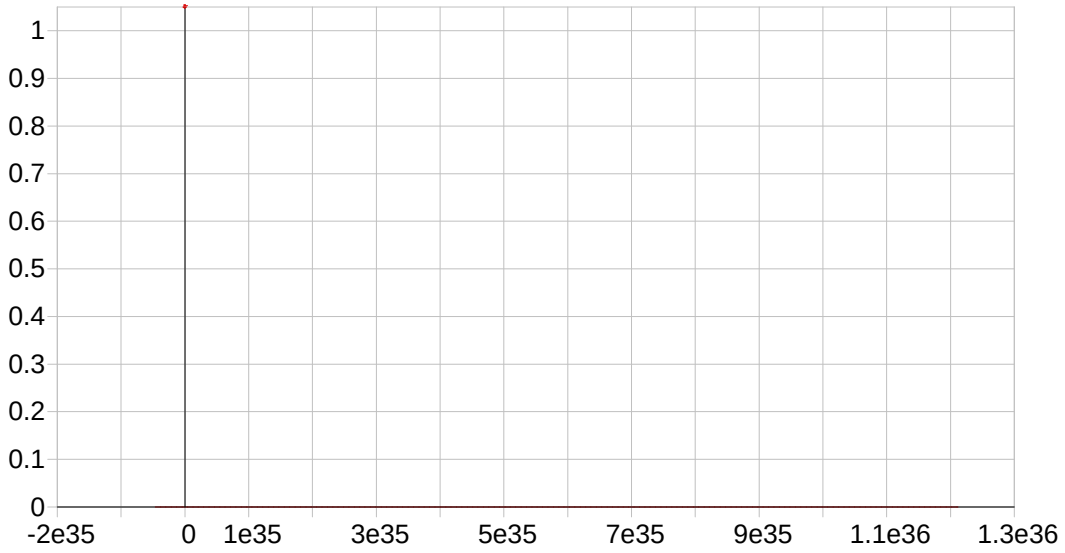


Y 360.073 { 94}*

Date of Fit:	8/21/2016 10:08:32	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				

Predicted MDL: n/a
Predicted MQL: n/a

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

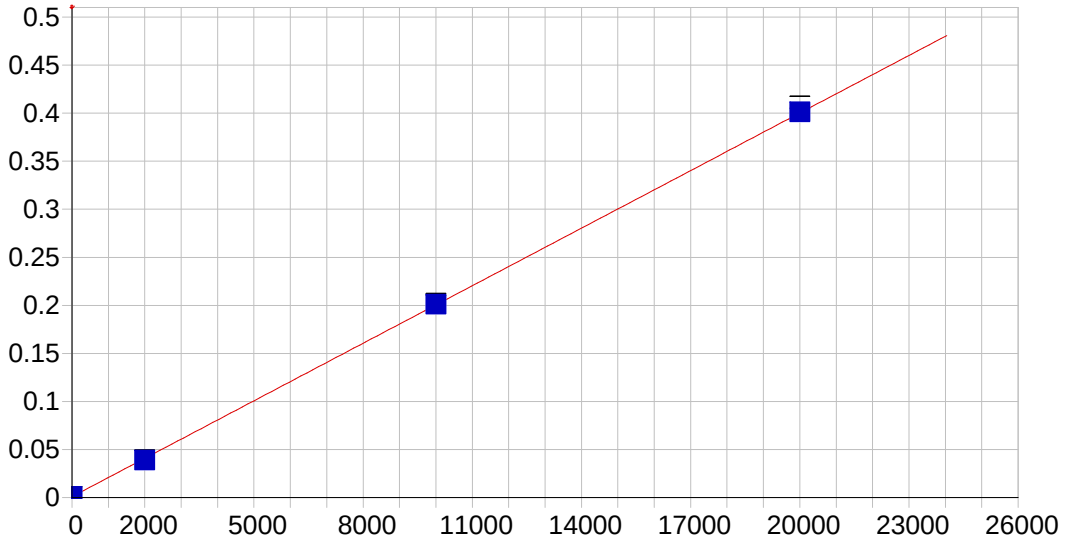


Y 371.030 { 91}*

Date of Fit: 8/21/2016 10:08:32 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.000000 Status: Warning Zero Gain
Std Error of Est: 192.759705
Predicted MDL: n/a
Predicted MQL: n/a

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



Si 288.158 {117}

Date of Fit: 8/21/2016 10:34:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000852	Re-Slope:	1.000000
A1 (Gain):	0.000020	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.000090		
Predicted MDL:	19.443378		
Predicted MQL:	64.811261		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.08370	.084	.000	.00085	.000	1
CAL5	20000.	20060.	59.6	.298	.40072	.006	1
CAL3	2000.0	1902.8	-97.2	-4.86	.03878	.000	1
CAL4	10000.	10038.	37.5	.375	.20094	.001	1

Sample Name: ICIS Cal Blk Acquired: 8/21/2016 10:11:29 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0005**	**-.0001**	**-.0002**	**.0001**	**.0003**	**-.0007**
Stddev	.0001	.0001	.0000	.0000	.0002	.0000
%RSD	19.57	115.8	13.70	28.99	59.14	4.846
#1	-.0006	-.0002	-.0002	.0001	.0004	-.0007
#2	-.0004	-.0001	-.0002	.0001	.0004	-.0007
#3	-.0004	-.0000	-.0002	.0001	.0001	-.0008

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**-.0000**	**.0001**	**.0032**	**.0000**	**-.0007**
Stddev	.0001	.0001	.0001	.0001	.0000	.0006
%RSD	270.8	627.8	122.0	2.322	97.00	81.03
#1	.0001	.0001	.0001	.0031	.0000	-.0012
#2	-.0001	.0001	.0000	.0032	-.0000	-.0001
#3	-.0002	-.0002	.0000	.0031	.0000	-.0007

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0001**	**.0013**	**-.0000**	**-.0002**	**.0002**
Stddev	.0000	.0000	.0006	.0001	.0001	.0000
%RSD	43.83	79.20	41.95	1233.	59.11	16.64
#1	.0001	.0001	.0009	-.0000	-.0003	.0003
#2	.0001	.0001	.0020	.0001	-.0002	.0002
#3	.0000	.0000	.0011	-.0001	-.0001	.0002

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**-.0003**	**-.0000**	**.0001**	**.0004**	**.0002**
Stddev	.0001	.0001	.0000	.0001	.0001	.0001
%RSD	36.54	24.54	550.6	64.16	22.29	81.55
#1	.0002	-.0004	.0000	.0001	.0003	.0000
#2	.0002	-.0002	-.0000	.0000	.0005	.0001
#3	.0001	-.0003	-.0000	.0001	.0004	.0003

Sample Name: ICIS Cal Blk Acquired: 8/21/2016 10:11:29 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**-.0032**	**.0000**	**.0009**
Stddev	.0001	.0006	.0001	.0003
%RSD	37.41	17.23	414.9	39.14
#1	.0001	-.0028	.0001	.0007
#2	.0002	-.0039	.0000	.0012
#3	.0003	-.0030	-.0000	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3987.9**	**42462.**	**4387.5**
Stddev	3.3	584.	109.5
%RSD	.08321	1.3764	2.4951
#1	3987.0	41856.	4277.7
#2	3991.6	42510.	4388.2
#3	3985.1	43022.	4496.6

Sample Name: CAL1 Acquired: 8/21/2016 10:15:30 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**.0003**	**.0010**	**.0003**	**.0003**
Stddev	.0001	.0001	.0001	.0001	.0001
%RSD	55.10	44.39	11.37	33.89	40.61
#1	.0003	.0004	.0010	.0004	.0004
#2	.0003	.0003	.0011	.0002	.0002
#3	.0001	.0001	.0009	.0003	.0004

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	**4006.5**
Stddev	5.5
%RSD	.13752
#1	4000.8
#2	4011.8
#3	4006.9

Sample Name: CAL2 Acquired: 8/21/2016 10:19:32 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0060**	**.0008**	**.0008**	**.0922**	**.0053**	**.0348**
Stddev	.0006	.0001	.0001	.0003	.0006	.0004
%RSD	9.715	16.65	12.11	.2910	11.29	1.011
#1	.0060	.0008	.0008	.0919	.0059	.0347
#2	.0065	.0007	.0007	.0922	.0053	.0345
#3	.0054	.0009	.0009	.0925	.0047	.0352

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0039**	**.0448**	**.0010**	**.0069**	**.0006**	**.2494**
Stddev	.0002	.0004	.0001	.0001	.0000	.0008
%RSD	4.459	.9281	6.875	1.041	2.385	.3217
#1	.0037	.0444	.0011	.0069	.0006	.2487
#2	.0041	.0453	.0009	.0070	.0006	.2502
#3	.0039	.0448	.0010	.0068	.0006	.2493

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0408**	**.0065**	**.5392**	**.0089**	**.0007**	**.0018**
Stddev	.0001	.0001	.0029	.0001	.0002	.0001
%RSD	.1372	1.058	.5347	1.424	24.52	4.873
#1	.0409	.0065	.5426	.0089	.0008	.0019
#2	.0408	.0065	.5375	.0091	.0008	.0018
#3	.0408	.0066	.5377	.0089	.0005	.0017

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0008**	**.0010**	**.0035**	**.0229**	**.0164**	**.0059**
Stddev	.0000	.0001	.0000	.0001	.0002	.0001
%RSD	2.036	13.06	.8444	.2712	1.129	1.763
#1	.0008	.0009	.0035	.0229	.0163	.0059
#2	.0008	.0012	.0035	.0230	.0166	.0060
#3	.0008	.0010	.0034	.0230	.0163	.0058

Sample Name: CAL2 Acquired: 8/21/2016 10:19:32 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	**.0080**	**.1556**	**.0114**
Stddev	.0001	.0005	.0001
%RSD	1.402	.3340	1.262
#1	.0081	.1561	.0116
#2	.0079	.1551	.0113
#3	.0081	.1554	.0114

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3991.7**	**42920.**	**4456.5**
Stddev	1.8	227.	61.3
%RSD	.04445	.52946	1.3749
#1	3993.3	42911.	4387.9
#2	3989.8	43152.	4505.8
#3	3992.0	42698.	4475.7

Sample Name: CAL3 Acquired: 8/21/2016 10:23:30 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7951**	**.0275**	**.0237**	**.9066**	**.5178**	**.1747**
Stddev	.0014	.0001	.0000	.0001	.0003	.0002
%RSD	.1808	.2470	.1424	.0105	.0513	.1064
#1	.7950	.0274	.0237	.9067	.5176	.1747
#2	.7936	.0276	.0237	.9067	.5181	.1745
#3	.7965	.0275	.0238	.9065	.5176	.1748

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2479**	**.4467**	**.0925**	**.3858**	**.0736**	**.5108**
Stddev	.0002	.0002	.0002	.0006	.0001	.0026
%RSD	.0881	.0509	.2057	.1430	.0982	.5154
#1	.2480	.4467	.0925	.3854	.0735	.5135
#2	.2481	.4470	.0923	.3865	.0736	.5083
#3	.2477	.4465	.0926	.3857	.0737	.5106

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2050**	**.4159**	**2.728**	**.1111**	**.1327**	**.0169**
Stddev	.0001	.0007	.004	.0002	.0003	.0002
%RSD	.0705	.1726	.1532	.2148	.2485	1.295
#1	.2052	.4164	2.730	.1113	.1329	.0167
#2	.2050	.4151	2.731	.1108	.1330	.0168
#3	.2049	.4163	2.723	.1112	.1324	.0171

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0176**	**.0300**	**.0334**	**.3570**	**.0699**	**.1484**
Stddev	.0002	.0003	.0002	.0018	.0008	.0007
%RSD	1.360	.9661	.4764	.4913	1.210	.5024
#1	.0174	.0299	.0333	.3571	.0690	.1476
#2	.0177	.0297	.0333	.3587	.0700	.1487
#3	.0178	.0303	.0336	.3552	.0707	.1490

Sample Name: CAL3 Acquired: 8/21/2016 10:23:30 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0319**	**7.834**	**1.111**	**.0388**
Stddev	.0002	.009	.002	.0003
%RSD	.7604	.1217	.1962	.7385
#1	.0316	7.833	1.110	.0389
#2	.0319	7.825	1.109	.0390
#3	.0321	7.844	1.113	.0384

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3922.0**	**42242.**	**4314.6**
Stddev	16.0	130.	14.7
%RSD	.40712	.30690	.34183
#1	3908.4	42200.	4308.5
#2	3917.9	42387.	4303.9
#3	3939.6	42138.	4331.5

Sample Name: CAL4 Acquired: 8/21/2016 10:27:13 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.966**	**.1403**	**.1215**	**4.352**	**2.535**	**.8738**
Stddev	.014	.0004	.0003	.004	.006	.0042
%RSD	.3601	.2878	.2161	.0944	.2276	.4814
#1	3.960	.1407	.1212	4.354	2.536	.8707
#2	3.982	.1403	.1216	4.354	2.540	.8786
#3	3.956	.1399	.1217	4.347	2.528	.8720

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.185**	**2.122**	**.4462**	**1.971**	**.3529**	**2.635**
Stddev	.001	.005	.0019	.006	.0010	.011
%RSD	.1176	.2278	.4240	.2914	.2810	.4264
#1	1.185	2.124	.4445	1.976	.3523	2.630
#2	1.187	2.125	.4483	1.965	.3541	2.648
#3	1.184	2.116	.4459	1.970	.3525	2.627

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.027**	**2.009**	**14.07**	**.5245**	**.6265**	**.0836**
Stddev	.003	.007	.04	.0008	.0005	.0002
%RSD	.2707	.3330	.2806	.1519	.0837	.2693
#1	1.024	2.004	14.10	.5246	.6270	.0838
#2	1.030	2.017	14.09	.5252	.6265	.0834
#3	1.027	2.007	14.03	.5237	.6259	.0837

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0879**	**.1395**	**.1644**	**1.683**	**.3493**	**.7166**
Stddev	.0001	.0007	.0005	.003	.0012	.0011
%RSD	.1345	.5029	.3057	.1931	.3398	.1467
#1	.0878	.1389	.1641	1.682	.3481	.7177
#2	.0879	.1403	.1650	1.686	.3505	.7157
#3	.0880	.1394	.1641	1.680	.3492	.7163

Sample Name: CAL4 Acquired: 8/21/2016 10:27:13 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1539**	**39.19**	**5.492**	**.2009**
Stddev	.0006	.08	.008	.0010
%RSD	.4051	.2114	.1508	.5117
#1	.1534	39.15	5.489	.2019
#2	.1546	39.28	5.502	.1998
#3	.1536	39.13	5.486	.2011

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3751.9**	**40898.**	**4394.7**
Stddev	15.3	147.	25.5
%RSD	.40714	.35901	.58136
#1	3736.7	40941.	4395.3
#2	3751.6	40734.	4368.8
#3	3767.3	41019.	4419.8

Sample Name: CAL5 Acquired: 8/21/2016 10:30:51 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8.063**	**.2851**	**.2506**	**8.472**	**5.017**	**1.779**
Stddev	.044	.0002	.0012	.026	.017	.019
%RSD	.5494	.0772	.4684	.3038	.3313	1.048
#1	8.039	.2849	.2493	8.448	5.007	1.762
#2	8.036	.2851	.2513	8.469	5.009	1.777
#3	8.115	.2853	.2513	8.499	5.037	1.799

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.324**	**4.161**	**.8881**	**3.984**	**.7013**	**5.442**
Stddev	.009	.010	.0091	.015	.0054	.012
%RSD	.4007	.2296	1.021	.3825	.7699	.2202
#1	2.315	4.152	.8791	3.978	.6957	5.430
#2	2.323	4.160	.8880	4.001	.7017	5.444
#3	2.334	4.171	.8973	3.972	.7065	5.454

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.083**	**3.951**	**28.13**	**1.020**	**1.223**	**.1679**
Stddev	.018	.031	.09	.004	.005	.0002
%RSD	.8594	.7827	.3305	.3465	.3842	.1355
#1	2.065	3.920	28.23	1.017	1.218	.1681
#2	2.084	3.952	28.05	1.018	1.224	.1677
#3	2.100	3.981	28.09	1.024	1.228	.1678

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1754**	**.2655**	**.3327**	**3.326**	**.6855**	**1.412**
Stddev	.0004	.0008	.0015	.031	.0028	.002
%RSD	.2510	.3097	.4360	.9360	.4063	.1343
#1	.1759	.2646	.3311	3.292	.6880	1.411
#2	.1750	.2656	.3330	3.331	.6825	1.411
#3	.1753	.2662	.3340	3.354	.6859	1.414

Sample Name: CAL5 Acquired: 8/21/2016 10:30:51 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3003**	**77.73**	**10.73**	**.4007**
Stddev	.0014	1.21	.07	.0062
%RSD	.4615	1.551	.6698	1.551
#1	.2991	76.45	10.65	.4028
#2	.3001	77.91	10.78	.4057
#3	.3018	78.84	10.78	.3937

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3603.6**	**39166.**	**4209.1**
Stddev	2.5	283.	120.6
%RSD	.06829	.72292	2.8651
#1	3602.6	39442.	4266.5
#2	3606.4	39179.	4290.2
#3	3601.8	38876.	4070.5

Sample Name: ICV Acquired: 8/21/2016 10:34:42 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125300.**	**2500.**	**1242.**	**10210.**	**1025.**	**124600.**
Stddev	419.	7.	5.	15.	3.	1030.
%RSD	.3343	.2998	.4042	.1424	.2679	.8267
#1	125800.	2496.	1241.	10210.	1027.	124700.
#2	125100.	2496.	1247.	10190.	1024.	125600.
#3	125100.	2509.	1238.	10220.	1022.	123600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1264.**	**2515.**	**5100.**	**12470.**	**100900.**	**49520.**
Stddev	1.	5.	37.	48.	630.	227.
%RSD	.1169	.2182	.7213	.3851	.6240	.4584
#1	1266.	2516.	5102.	12420.	101000.	49760.
#2	1263.	2509.	5135.	12480.	101500.	49300.
#3	1264.	2520.	5061.	12510.	100300.	49500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125300.**	**5127.**	**125400.**	**2543.**	**7623.**	**994.4**
Stddev	896.	31.	570.	9.	16.	5.4
%RSD	.7148	.6001	.4541	.3427	.2105	.5436
#1	125200.	5127.	126000.	2544.	7641.	992.3
#2	126200.	5158.	124900.	2534.	7611.	990.3
#3	124400.	5096.	125300.	2551.	7618.	1000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 8/21/2016 10:34:42 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2486.**	**2526.**	**2493.**	**2532.**	**1009.**	**2474.**
Stddev	6.	16.	6.	14.	5.	3.
%RSD	.2573	.6197	.2556	.5454	.4980	.1144
#1	2488.	2530.	2493.	2548.	1005.	2472.
#2	2479.	2509.	2499.	2524.	1006.	2472.
#3	2491.	2539.	2486.	2525.	1014.	2477.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1001.**	**5074.**	**10180.**	**9796.**
Stddev	1.	25.	25.	136.
%RSD	.1015	.5010	.2475	1.393
#1	1003.	5096.	10160.	9810.
#2	1001.	5047.	10200.	9653.
#3	1001.	5080.	10160.	9924.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3756.3**	**40568.**	**4261.0**
Stddev	13.8	524.	68.6
%RSD	.36648	1.2919	1.6093
#1	3741.8	40399.	4259.7
#2	3769.2	40149.	4193.1
#3	3758.0	41156.	4330.2

Sample Name: ICB Acquired: 8/21/2016 10:38:18 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22.47**	**1.386**	**.8354**	**2.613**	**.1891**	**42.52**
Stddev	11.62	.791	.3752	.359	.1421	8.52
%RSD	51.69	57.10	44.91	13.74	75.10	20.04
#1	30.42	.6394	1.220	2.996	.3496	48.55
#2	27.86	2.215	.8155	2.559	.0793	46.23
#3	9.140	1.302	.4705	2.284	.1386	32.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2587**	**.7154**	**.8840**	**3.338**	**8.758**	**49.29**
Stddev	.1563	.3524	.3676	.499	6.589	32.87
%RSD	60.44	49.26	41.58	14.94	75.24	66.69
#1	.1696	1.112	1.109	3.711	9.533	86.25
#2	.1672	.4394	1.083	3.530	14.92	23.30
#3	.4392	.5944	.4598	2.772	1.815	38.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30.15**	**1.453**	**89.22**	**.8278**	**2.718**	**-.0399**
Stddev	2.22	.198	20.75	.9032	2.987	.1212
%RSD	7.353	13.60	23.26	109.1	109.9	303.7
#1	29.51	1.576	111.6	.4280	3.029	-.1074
#2	32.62	1.558	85.47	1.862	5.537	-.1123
#3	28.33	1.225	70.60	.1935	-.4122	.1000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 8/21/2016 10:38:18 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9651**	**-.1830**	**1.185**	**.7378**	**3.145**	**1.898**
Stddev	2.072	2.053	.313	.0888	.911	.753
%RSD	214.7	1122.	26.43	12.03	28.97	39.65
#1	-1.546	-2.541	.9920	.7489	4.179	2.759
#2	1.335	1.201	1.017	.8205	2.796	1.575
#3	-2.685	.7912	1.547	.6440	2.459	1.361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2408**	**1.304**	**2.999**	**-6.077**
Stddev	.4587	.203	.289	9.868
%RSD	190.5	15.57	9.655	162.4
#1	.2162	1.487	3.186	-16.24
#2	-.7011	1.338	3.145	-5.463
#3	-.2374	1.086	2.665	3.470
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4031.9**	**43120.**	**4445.4**
Stddev	6.8	119.	70.2
%RSD	.16878	.27683	1.5792
#1	4024.2	43221.	4364.7
#2	4036.7	42988.	4479.0
#3	4035.0	43151.	4492.5

Sample Name: ICVL Acquired: 8/21/2016 10:42:20 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**185.7**	**14.98**	**9.336**	**196.0**	**1.979**	**4538.**
Stddev	16.8	.70	.383	.3	.172	23.
%RSD	9.053	4.652	4.102	.1624	8.703	.5073
#1	205.0	14.19	9.113	195.8	2.123	4558.
#2	177.6	15.50	9.778	195.8	1.788	4513.
#3	174.4	15.25	9.116	196.4	2.025	4545.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.889**	**48.93**	**9.312**	**23.16**	**147.7**	**4286.**
Stddev	.072	.14	.394	1.08	14.0	44.
%RSD	1.853	.2845	4.229	4.640	9.472	1.019
#1	3.825	49.06	9.646	24.39	163.8	4288.
#2	3.967	48.79	8.878	22.43	140.9	4329.
#3	3.876	48.94	9.414	22.66	138.4	4242.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4500.**	**15.12**	**4368.**	**40.22**	**11.67**	**17.17**
Stddev	22.	.38	21.	.22	1.59	1.34
%RSD	.4863	2.482	.4832	.5478	13.62	7.802
#1	4482.	15.54	4391.	40.12	13.49	16.87
#2	4494.	14.81	4349.	40.47	10.54	18.63
#3	4524.	15.03	4365.	40.07	10.99	16.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL Acquired: 8/21/2016 10:42:20 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.71**	**21.22**	**47.04**	**30.28**	**46.51**	**18.55**
Stddev	3.11	2.06	.69	.19	.26	.45
%RSD	17.57	9.708	1.464	.6337	.5603	2.441
#1	19.51	22.23	46.63	30.17	46.81	18.27
#2	14.11	22.58	47.84	30.50	46.32	19.07
#3	19.49	18.85	46.66	30.17	46.42	18.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.06**	**18.92**	**19.95**	F **4.616**
Stddev	.34	.49	.63	9.366
%RSD	.7326	2.577	3.167	202.9
#1	46.76	19.48	20.67	6.746
#2	47.44	18.60	19.49	-5.632
#3	46.98	18.68	19.69	12.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.5**	**43741.**	**4571.9**
Stddev	9.1	455.	91.2
%RSD	.22453	1.0402	1.9957
#1	4054.5	43218.	4468.0
#2	4056.9	44041.	4639.0
#3	4040.1	43966.	4608.7

Sample Name: ICSA 4305572 Acquired: 8/21/2016 10:46:19 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**498200.**	**-1.200**	**1.287**	**.2775**	**-.0755**	**497000.**
Stddev	2863.	1.490	1.340	.3557	.0841	6663.
%RSD	.5747	124.1	104.1	128.2	111.4	1.341
#1	496700.	-1.040	2.793	.6476	-.0519	490100.
#2	501500.	.2024	.2230	.2468	-.1689	497400.
#3	496500.	-2.764	.8461	-.0619	-.0057	503400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5791**	**-3.826**	**-1.164**	**-2.208**	**193200.**	**-40.60**
Stddev	.3549	.308	.617	.194	2424.	15.82
%RSD	61.28	8.058	53.03	8.777	1.254	38.97
#1	.9708	-4.076	-.7606	-2.033	190600.	-30.10
#2	.4873	-3.481	-1.875	-2.173	193500.	-58.80
#3	.2791	-3.920	-.8573	-2.416	195500.	-32.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**500200.**	**-1.418**	**23.25**	**-5.181**	**2.827**	**-2.837**
Stddev	6510.	.166	12.48	.816	3.632	6.622
%RSD	1.301	11.68	53.69	15.75	128.4	233.4
#1	493300.	-1.278	15.36	-5.409	-1.360	-7.610
#2	501100.	-1.376	16.75	-5.859	5.109	4.723
#3	506300.	-1.601	37.64	-4.276	4.733	-5.625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4305572 Acquired: 8/21/2016 10:46:19 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7444**	**-7.413**	**.5085**	**-1.702**	**-4.393**	**.9617**
Stddev	12.10	3.369	1.250	.028	.687	.1986
%RSD	1626.	45.44	245.8	1.641	15.64	20.65
#1	14.40	-8.203	-.9345	-1.725	-3.640	1.009
#2	-8.650	-3.719	1.203	-1.709	-4.551	.7435
#3	-3.522	-10.32	1.258	-1.671	-4.987	1.132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.399**	**-1.001**	**2.594**	**9.242**
Stddev	.320	.039	.195	13.32
%RSD	22.85	3.882	7.498	144.1
#1	-1.185	-.9637	2.616	12.10
#2	-1.766	-1.041	2.776	20.90
#3	-1.245	-.9985	2.389	-5.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3588.5**	**38747.**	**4214.1**
Stddev	6.6	276.	35.3
%RSD	.18453	.71135	.83814
#1	3595.2	39020.	4245.0
#2	3588.3	38753.	4175.6
#3	3582.0	38469.	4221.8

Sample Name: ICSAB 4305680 Acquired: 8/21/2016 10:50:16 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**505300.**	**98.40**	**106.9**	**105.9**	**101.7**	**506400.**
Stddev	3182.	5.87	1.1	.4	.7	4207.
%RSD	.6297	5.963	1.049	.4205	.6549	.8307
#1	506800.	105.0	106.8	105.6	102.4	501600.
#2	501700.	96.43	105.8	105.7	101.0	507700.
#3	507500.	93.77	108.1	106.4	101.8	509700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**97.62**	**94.45**	**100.2**	**106.0**	**196900.**	**9937.**
Stddev	.67	.63	1.2	1.0	1252.	65.
%RSD	.6872	.6620	1.189	.9534	.6356	.6509
#1	96.85	93.86	98.92	105.3	195600.	10010.
#2	97.96	94.40	101.3	105.6	197100.	9894.
#3	98.05	95.10	100.4	107.2	198100.	9905.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**509500.**	**103.2**	**9946.**	**91.33**	**97.27**	**94.37**
Stddev	3066.	1.2	107.	.99	2.94	2.38
%RSD	.6017	1.123	1.074	1.088	3.024	2.524
#1	506200.	101.8	10030.	90.27	98.40	91.67
#2	510000.	103.7	9826.	91.47	99.48	96.18
#3	512200.	104.0	9981.	92.25	93.93	95.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 4305680 Acquired: 8/21/2016 10:50:16 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**94.66**	**92.76**	**102.7**	**102.8**	**94.78**	**97.51**
Stddev	4.18	2.70	1.3	1.4	.43	.78
%RSD	4.413	2.906	1.248	1.363	.4583	.8023
#1	95.01	93.24	101.7	101.2	95.27	96.66
#2	98.65	95.19	102.2	103.9	94.44	98.20
#3	90.32	89.86	104.1	103.2	94.63	97.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**96.82**	**101.0**	**108.1**	**69.20**
Stddev	2.12	1.4	.9	19.09
%RSD	2.186	1.390	.8711	27.59
#1	94.40	102.7	107.4	76.07
#2	98.36	100.1	107.8	83.92
#3	97.68	100.4	109.1	47.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3613.2**	**38688.**	**4177.0**
Stddev	1.7	158.	92.4
%RSD	.04740	.40744	2.2114
#1	3613.8	38856.	4283.7
#2	3611.2	38666.	4123.2
#3	3614.4	38543.	4124.2

Sample Name: INT-10A 4360515 Acquired: 8/21/2016 10:54:07 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29.11**	**1.059**	**4.164**	**2.222**	**1.501**	**46.25**
Stddev	7.47	1.531	.598	.235	.066	15.77
%RSD	25.66	144.5	14.35	10.57	4.417	34.11
#1	34.54	1.300	3.474	2.440	1.468	60.77
#2	20.59	2.456	4.490	1.973	1.577	48.50
#3	32.20	-.5780	4.529	2.253	1.458	29.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1419**	**11330.**	**-.1051**	**-3.446**	**-188.4**	**15.82**
Stddev	.1046	7.	.0942	.288	8.9	8.88
%RSD	73.72	.0606	89.61	8.369	4.721	56.16
#1	.2592	11330.	-.0507	-3.367	-186.6	6.944
#2	.1080	11330.	-.0508	-3.766	-198.0	15.80
#3	.0584	11340.	-.2138	-3.205	-180.4	24.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43.68**	**-.0432**	**20.12**	**.5747**	**-.6168**	**-31.43**
Stddev	14.20	.0606	4.66	.7013	.1825	.99
%RSD	32.50	140.2	23.17	122.0	29.58	3.158
#1	58.06	.0237	17.73	-.2342	-.4102	-30.39
#2	43.31	-.0946	17.13	.9469	-.7560	-32.37
#3	29.67	-.0588	25.49	1.011	-.6842	-31.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10A 4360515 Acquired: 8/21/2016 10:54:07 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9898**	**.3237**	**5404.**	**.9413**	**.2195**	**-1.847**
Stddev	2.515	3.106	16.	.1445	.2899	.453
%RSD	254.1	959.7	.3045	15.35	132.1	24.53
#1	.4565	-3.053	5414.	.7753	-.1018	-2.262
#2	.4679	3.060	5385.	1.010	.4616	-1.364
#3	-3.894	.9636	5412.	1.039	.2988	-1.914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11030.**	**10270.**	**-.4822**	**9751.**
Stddev	20.	92.	.2422	76.
%RSD	.1781	.8945	50.22	.7767
#1	11030.	10370.	-.5860	9671.
#2	11050.	10240.	-.2054	9822.
#3	11010.	10190.	-.6552	9760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4028.4**	**43234.**	**4418.8**
Stddev	12.5	135.	34.7
%RSD	.31042	.31307	.78505
#1	4014.6	43196.	4397.6
#2	4032.0	43384.	4458.8
#3	4038.8	43122.	4399.9

Sample Name: INT-10B 4360523 Acquired: 8/21/2016 10:58:12 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-13.54**	**-10.30**	**-.2917**	**.8314**	**-3.258**	**80.79**
Stddev	6.69	1.60	.5344	.1247	.092	11.41
%RSD	49.40	15.57	183.2	15.00	2.836	14.12
#1	-8.626	-11.65	-.8862	.7153	-3.363	93.59
#2	-21.16	-10.73	.1488	.9632	-3.190	77.10
#3	-10.84	-8.527	-.1378	.8157	-3.220	71.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4783**	**8.606**	**10470.**	**9770.**	**-23.09**	**-13.73**
Stddev	.0437	.112	55.	47.	9.87	24.65
%RSD	9.131	1.301	.5220	.4781	42.75	179.5
#1	.5201	8.707	10470.	9716.	-11.71	-41.79
#2	.4817	8.486	10520.	9800.	-29.23	4.439
#3	.4330	8.626	10410.	9794.	-28.34	-3.843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**82.27**	**10560.**	**34.14**	**11160.**	**-13.29**	**5.983**
Stddev	1.63	54.	5.78	19.	1.28	2.165
%RSD	1.976	.5105	16.91	.1739	9.640	36.19
#1	82.59	10570.	36.80	11150.	-14.64	7.032
#2	83.71	10610.	27.52	11160.	-13.15	7.424
#3	80.51	10510.	38.11	11180.	-12.09	3.493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10B 4360523 Acquired: 8/21/2016 10:58:12 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.578**	**4.235**	**-39.25**	**-18.76**	**-16.19**	**4999.**
Stddev	2.106	2.020	.70	.29	.19	15.
%RSD	24.55	47.70	1.783	1.558	1.202	.2942
#1	-8.540	3.337	-38.45	-18.43	-15.97	4982.
#2	-6.491	6.548	-39.73	-18.98	-16.24	5007.
#3	-10.70	2.819	-39.57	-18.88	-16.35	5008.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-21.52**	**.9375**	**10140.**	**-1.320**
Stddev	.38	.2130	37.	20.74
%RSD	1.755	22.72	.3653	1571.
#1	-21.83	1.182	10120.	-24.20
#2	-21.64	.7964	10190.	16.25
#3	-21.10	.8336	10130.	3.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.3**	**42967.**	**4413.2**
Stddev	9.6	236.	15.1
%RSD	.24393	.55031	.34185
#1	3961.1	42839.	4396.7
#2	3942.6	42822.	4426.2
#3	3947.4	43240.	4416.8

Sample Name: pds 460-118857-e-5-b Acquired: 8/21/2016 11:02:08 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44060.**	**1967.**	**48.79**	**3085.**	**51.43**	F **294600.**
Stddev	446.	3.	.42	5.	.54	3022.
%RSD	1.012	.1327	.8597	.1770	1.049	1.026
#1	44570.	1969.	49.17	3088.	51.98	297900.
#2	43840.	1969.	48.86	3088.	51.41	291900.
#3	43760.	1964.	48.34	3078.	50.90	293900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.06**	**512.5**	**291.4**	**356.1**	**63240.**	**26140.**
Stddev	.34	3.4	2.6	.5	471.	231.
%RSD	.6860	.6710	.8902	.1526	.7448	.8821
#1	49.16	516.4	294.1	356.5	63750.	26380.
#2	49.34	510.8	288.9	355.5	62830.	26110.
#3	48.68	510.2	291.1	356.2	63120.	25920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**45940.**	**1906.**	**20610.**	**562.4**	**2419.**	**460.6**
Stddev	429.	13.	147.	3.4	16.	3.9
%RSD	.9331	.6875	.7137	.5964	.6497	.8569
#1	46420.	1921.	20780.	566.1	2437.	458.9
#2	45610.	1895.	20530.	559.6	2412.	465.1
#3	45780.	1903.	20520.	561.6	2408.	457.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118857-e-5-b Acquired: 8/21/2016 11:02:08 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1910.**	**1959.**	**593.9**	**1636.**	**546.8**	**492.1**
Stddev	4.	16.	2.5	5.	1.7	2.1
%RSD	.2183	.8074	.4290	.2902	.3063	.4367
#1	1915.	1951.	596.8	1631.	544.9	492.4
#2	1910.	1949.	592.9	1636.	547.9	489.8
#3	1906.	1978.	591.9	1640.	547.7	494.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**511.4**	**1145.**	**3151.**	**1206.**
Stddev	1.5	8.	7.	28.
%RSD	.2914	.7173	.2329	2.326
#1	510.5	1152.	3160.	1174.
#2	510.6	1147.	3146.	1223.
#3	513.1	1136.	3149.	1221.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3860.3**	**41856.**	**4446.2**
Stddev	19.6	686.	152.1
%RSD	.50794	1.6390	3.4205
#1	3838.1	41065.	4270.6
#2	3867.9	42289.	4537.1
#3	3875.1	42214.	4531.0

Sample Name: 460-118857-e-5-c ms Acquired: 8/21/2016 11:05:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44650.**	**1017.**	**25.03**	**2188.**	**26.52**	F **301900.**
Stddev	83.	1.	.42	4.	.29	1079.
%RSD	.1849	.1093	1.664	.1925	1.077	.3574
#1	44630.	1018.	24.60	2193.	26.35	300900.
#2	44740.	1016.	25.43	2188.	26.85	303000.
#3	44570.	1016.	25.05	2184.	26.36	301800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.51**	**271.1**	**182.1**	**230.7**	**56890.**	**16220.**
Stddev	.14	1.5	2.4	1.6	193.	82.
%RSD	.5637	.5407	1.336	.7025	.3387	.5027
#1	25.65	269.5	179.3	229.3	56720.	16130.
#2	25.36	271.6	183.6	230.3	57100.	16280.
#3	25.52	272.4	183.4	232.5	56860.	16240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32810.**	**1346.**	**11690.**	**315.8**	**1393.**	**138.6**
Stddev	94.	2.	23.	2.7	8.	2.7
%RSD	.2859	.1374	.1928	.8435	.5583	1.977
#1	32810.	1345.	11680.	312.8	1384.	135.5
#2	32910.	1348.	11710.	317.8	1399.	140.7
#3	32720.	1345.	11670.	316.8	1396.	139.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-5-c ms Acquired: 8/21/2016 11:05:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**969.3**	**992.6**	**347.1**	**1412.**	**314.8**	**251.1**
Stddev	5.7	4.0	4.4	7.	2.0	1.3
%RSD	.5866	.4050	1.280	.4975	.6338	.5165
#1	974.2	988.0	342.0	1407.	314.4	251.0
#2	963.1	994.3	349.2	1420.	313.1	249.9
#3	970.7	995.5	350.1	1409.	317.0	252.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**252.5**	**955.7**	**2713.**	**1651.**
Stddev	2.0	2.3	2.	24.
%RSD	.7892	.2393	.0874	1.448
#1	250.5	957.5	2716.	1644.
#2	252.3	956.5	2711.	1630.
#3	254.5	953.2	2714.	1677.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3864.1**	**42139.**	**4541.6**
Stddev	15.0	205.	2.3
%RSD	.38931	.48576	.05008
#1	3847.1	42013.	4540.7
#2	3869.5	42029.	4540.0
#3	3875.6	42375.	4544.2

Sample Name: 460-118857-a-5-d du Acquired: 8/21/2016 11:09:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44860.**	**39.11**	**1.372**	**1184.**	**1.668**	F **319600.**
Stddev	840.	1.36	.518	1.	.136	2559.
%RSD	1.873	3.466	37.79	.0777	8.135	.8008
#1	43890.	38.98	1.936	1184.	1.689	317400.
#2	45320.	40.53	1.263	1183.	1.523	322400.
#3	45370.	37.83	.9167	1185.	1.791	319000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7872**	**27.42**	**143.5**	**147.9**	**68780.**	**7193.**
Stddev	.1731	.27	.2	.5	419.	108.
%RSD	21.99	.9876	.1078	.3498	.6086	1.494
#1	.8971	27.15	143.5	147.3	68410.	7079.
#2	.5877	27.40	143.6	148.3	69240.	7208.
#3	.8769	27.70	143.3	148.2	68710.	7292.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26000.**	**1205.**	**2076.**	**74.70**	**1758.**	**-.0164**
Stddev	140.	6.	45.	.28	11.	1.983
%RSD	.5401	.5211	2.188	.3784	.6451	12100.
#1	25890.	1200.	2026.	74.65	1753.	.7359
#2	26160.	1212.	2089.	74.44	1750.	-2.265
#3	25950.	1203.	2114.	75.00	1771.	1.480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-a-5-d du Acquired: 8/21/2016 11:09:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.242**	**-1.497**	**107.3**	**1457.**	**70.83**	**14.07**
Stddev	3.651	1.358	.9	3.	.77	.25
%RSD	294.0	90.71	.8044	.2245	1.087	1.792
#1	-2.575	-.1690	106.6	1458.	70.99	13.94
#2	1.599	-2.884	107.0	1459.	69.99	13.92
#3	4.701	-1.439	108.3	1453.	71.50	14.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**27.39**	**777.7**	**2865.**	**1189.**
Stddev	1.05	12.7	9.	17.
%RSD	3.818	1.631	.3265	1.408
#1	26.75	763.1	2856.	1183.
#2	26.82	783.8	2874.	1207.
#3	28.60	786.1	2866.	1175.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3869.6**	**42212.**	**4493.9**
Stddev	11.8	136.	41.6
%RSD	.30432	.32109	.92542
#1	3857.9	42189.	4534.2
#2	3869.3	42090.	4451.1
#3	3881.5	42358.	4496.3

Sample Name: 460-118857-e-5-b@4 Acquired: 8/21/2016 11:13:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41510.**	**23.20**	**1.358**	**1109.**	**1.528**	F **276600.**
Stddev	826.	1.40	.712	1.	.115	483.
%RSD	1.990	6.042	52.40	.0849	7.542	.1747
#1	40560.	21.73	1.881	1108.	1.621	276800.
#2	42100.	24.52	1.646	1110.	1.399	276000.
#3	41870.	23.36	.5476	1109.	1.563	276900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7672**	**25.22**	**95.33**	**110.9**	**62740.**	**7408.**
Stddev	.0388	.25	1.23	2.0	143.	151.
%RSD	5.058	.9778	1.287	1.800	.2277	2.039
#1	.7788	24.95	94.04	108.7	62610.	7234.
#2	.7240	25.26	96.49	111.5	62710.	7483.
#3	.7990	25.44	95.47	112.6	62900.	7506.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27390.**	**1424.**	**1532.**	**70.58**	**1978.**	**-.3429**
Stddev	26.	3.	41.	.59	6.	.4029
%RSD	.0966	.2023	2.683	.8424	.2822	117.5
#1	27370.	1422.	1484.	69.94	1980.	-.7041
#2	27370.	1423.	1554.	71.11	1982.	.0917
#3	27420.	1427.	1557.	70.69	1972.	-.4162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-5-b@4 Acquired: 8/21/2016 11:13:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4144**	**-1.086**	**106.4**	**1155.**	**55.29**	**10.73**
Stddev	2.085	1.276	1.1	8.	.60	.40
%RSD	503.0	117.4	1.052	.6841	1.093	3.733
#1	-1.968	-.0609	105.7	1154.	54.85	10.84
#2	1.306	-2.515	105.8	1163.	55.05	10.29
#3	1.905	-.6832	107.7	1147.	55.98	11.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.74**	**645.0**	**2654.**	**1148.**
Stddev	.96	13.3	3.	35.
%RSD	6.080	2.058	.1314	3.073
#1	16.22	629.8	2652.	1112.
#2	14.64	654.1	2653.	1148.
#3	16.37	651.1	2658.	1183.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3886.0**	**42421.**	**4557.9**
Stddev	11.5	164.	21.4
%RSD	.29528	.38601	.46962
#1	3878.6	42297.	4579.9
#2	3880.2	42607.	4556.7
#3	3899.2	42360.	4537.1

Sample Name: sd 460-118857-e-5-b Acquired: 8/21/2016 11:17:17 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8229.**	**6.094**	**.6192**	**225.5**	**.2474**	**53570.**
Stddev	41.	1.358	.5813	.4	.1994	232.
%RSD	.4990	22.29	93.89	.1938	80.60	.4332
#1	8217.	4.894	.4209	225.7	.4651	53310.
#2	8195.	7.568	1.274	225.7	.2036	53710.
#3	8275.	5.819	.1629	225.0	.0736	53710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2993**	**5.066**	**19.28**	**21.64**	**13080.**	**1454.**
Stddev	.1122	.033	.51	.54	198.	20.
%RSD	37.48	.6439	2.666	2.474	1.512	1.404
#1	.1700	5.031	18.94	21.03	12890.	1431.
#2	.3711	5.096	19.87	21.86	13070.	1460.
#3	.3567	5.072	19.01	22.02	13290.	1471.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5610.**	**289.8**	**287.7**	**13.31**	**404.4**	**.0000**
Stddev	77.	1.6	5.7	.56	1.3	.0952
%RSD	1.376	.5365	1.985	4.217	.3205	372000.
#1	5522.	288.3	281.4	13.84	405.2	.0849
#2	5647.	291.4	292.6	12.72	402.9	-.1028
#3	5663.	289.8	289.2	13.38	405.2	.0181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118857-e-5-b Acquired: 8/21/2016 11:17:17 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2079**	**.7275**	**21.47**	**240.9**	**10.87**	**2.043**
Stddev	1.869	.7568	.79	.4	.69	.227
%RSD	899.1	104.0	3.701	.1525	6.330	11.11
#1	-2.180	-.0413	20.59	240.6	11.59	1.971
#2	1.536	1.472	21.66	241.3	10.78	2.297
#3	.0209	.7524	22.14	240.9	10.23	1.860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.505**	**131.0**	**525.9**	**210.4**
Stddev	.314	.4	2.0	16.8
%RSD	12.55	.2833	.3718	7.972
#1	2.815	130.6	523.6	191.2
#2	2.187	131.0	527.2	217.7
#3	2.513	131.3	526.8	222.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4006.1**	**43408.**	**4506.8**
Stddev	4.9	194.	20.8
%RSD	.12221	.44755	.46161
#1	4002.8	43526.	4518.3
#2	4003.8	43513.	4519.3
#3	4011.8	43184.	4482.8

Sample Name: lcssrm 460-385938/2- Acquired: 8/21/2016 11:21:10 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40710.**	**290.2**	**271.3**	**604.9**	**355.9**	**32500.**
Stddev	231.	2.9	1.3	1.3	3.3	332.
%RSD	.5673	.9847	.4800	.2076	.9333	1.021
#1	40920.	292.3	272.0	603.9	359.2	32250.
#2	40740.	286.9	269.8	604.5	355.9	32370.
#3	40460.	291.4	272.0	606.3	352.6	32880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**419.2**	**323.9**	**351.3**	**287.9**	**76860.**	**11950.**
Stddev	.9	.4	2.4	1.0	593.	74.
%RSD	.2098	.1231	.6823	.3359	.7716	.6230
#1	418.1	324.3	349.1	288.3	76410.	12030.
#2	419.6	323.5	351.0	288.6	76650.	11930.
#3	419.8	323.8	353.9	286.8	77540.	11880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13350.**	**1501.**	**4507.**	**339.6**	**441.4**	**259.6**
Stddev	125.	11.	38.	1.2	1.2	2.4
%RSD	.9369	.7140	.8346	.3418	.2613	.9179
#1	13250.	1492.	4542.	338.2	442.7	257.7
#2	13310.	1499.	4511.	340.2	440.5	258.8
#3	13490.	1513.	4467.	340.2	441.1	262.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-385938/2- Acquired: 8/21/2016 11:21:10 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**398.1**	**1011.**	**295.3**	**1068.**	**428.2**	**295.5**
Stddev	3.2	4.	2.4	3.	2.9	2.1
%RSD	.8017	.4117	.8098	.2358	.6748	.7230
#1	395.4	1007.	292.7	1065.	426.1	293.1
#2	397.2	1015.	295.7	1069.	426.9	296.6
#3	401.6	1012.	297.4	1069.	431.5	296.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**852.2**	**464.8**	**1824.**	**1125.**
Stddev	4.2	3.6	7.	24.
%RSD	.4902	.7779	.4031	2.154
#1	847.4	468.7	1817.	1133.
#2	854.4	464.2	1824.	1098.
#3	854.8	461.5	1831.	1144.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4059.0**	**43879.**	**4550.0**
Stddev	18.5	223.	54.1
%RSD	.45578	.50863	1.1891
#1	4039.0	43961.	4513.1
#2	4062.5	44050.	4524.8
#3	4075.6	43626.	4612.1

Sample Name: CCV Acquired: 8/21/2016 11:24:53 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124800.**	**2518.**	**1244.**	**10210.**	**1021.**	**124700.**
Stddev	302.	9.	8.	40.	5.	875.
%RSD	.2419	.3734	.6561	.3942	.4777	.7022
#1	125100.	2509.	1253.	10160.	1025.	125600.
#2	124500.	2528.	1240.	10240.	1016.	123900.
#3	124700.	2518.	1238.	10220.	1021.	124500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1269.**	**2517.**	**5077.**	**12460.**	**100800.**	**49490.**
Stddev	6.	10.	33.	49.	696.	39.
%RSD	.4750	.4104	.6439	.3924	.6902	.0785
#1	1262.	2506.	5115.	12500.	101600.	49530.
#2	1271.	2525.	5059.	12460.	100400.	49490.
#3	1273.	2521.	5057.	12400.	100500.	49460.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125100.**	**5120.**	**125800.**	**2543.**	**7627.**	**995.8**
Stddev	921.	37.	438.	7.	29.	7.0
%RSD	.7365	.7186	.3486	.2815	.3842	.7026
#1	126100.	5162.	126300.	2534.	7594.	989.4
#2	124300.	5094.	125600.	2547.	7639.	1003.
#3	124800.	5104.	125500.	2547.	7649.	994.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 11:24:53 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2485.**	**2552.**	**2502.**	**2540.**	**1013.**	**2480.**
Stddev	26.	28.	16.	15.	10.	13.
%RSD	1.032	1.092	.6532	.5810	1.002	.5089
#1	2456.	2520.	2520.	2525.	1001.	2465.
#2	2497.	2565.	2488.	2540.	1020.	2490.
#3	2503.	2570.	2497.	2555.	1016.	2484.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1010.**	**5079.**	**10160.**	**9901.**
Stddev	9.	19.	59.	26.
%RSD	.8591	.3812	.5802	.2616
#1	999.9	5099.	10230.	9880.
#2	1014.	5076.	10150.	9930.
#3	1016.	5061.	10110.	9893.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3773.7**	**41136.**	**4326.0**
Stddev	13.1	306.	16.0
%RSD	.34843	.74413	.37069
#1	3788.8	40801.	4309.1
#2	3764.7	41402.	4341.1
#3	3767.6	41206.	4327.7

Sample Name: CCB Acquired: 8/21/2016 11:28:29 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.326**	**1.898**	**.4891**	**.4235**	**.0790**	**6.549**
Stddev	6.588	.148	.9161	.2696	.0512	9.419
%RSD	104.1	7.804	187.3	63.66	64.89	143.8
#1	12.36	2.051	-.4826	.1425	.1052	-.4198
#2	7.327	1.756	1.337	.4480	.1118	17.26
#3	-.7057	1.885	.6129	.6801	.0199	2.803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1804**	**.0474**	**.1953**	**.5981**	**2.124**	**43.11**
Stddev	.1598	.1564	.5729	.9686	8.735	11.97
%RSD	88.59	330.0	293.3	161.9	411.3	27.76
#1	.0079	-.0988	.0513	-.3285	4.179	56.59
#2	.2099	.2123	-.2918	.5192	9.648	39.00
#3	.3233	.0286	.8264	1.604	-7.456	33.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0809**	**.2505**	**34.03**	**-.1975**	**2.650**	**-.2663**
Stddev	5.857	.2853	23.94	.3857	.603	.7162
%RSD	7237.	113.9	70.35	195.2	22.76	268.9
#1	-6.493	-.0766	61.55	.2300	2.709	-1.077
#2	1.990	.3797	22.53	-.5192	3.222	.2804
#3	4.746	.4484	18.00	-.3034	2.020	-.0023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 11:28:29 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1471**	**.3589**	**1.422**	**.0640**	**2.546**	**1.133**
Stddev	2.832	1.227	.711	.2643	.911	.306
%RSD	1925.	341.8	50.04	412.7	35.79	27.05
#1	.8167	1.284	.6274	-.1870	3.320	1.472
#2	-2.960	.8261	1.638	.3398	2.777	.8749
#3	2.584	-1.033	2.000	.0393	1.542	1.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2305**	**.5856**	**.7545**	**-10.57**
Stddev	.4673	.2325	.3356	6.60
%RSD	202.8	39.71	44.49	62.44
#1	.0756	.8270	.3736	-3.850
#2	.7556	.5667	.8829	-10.82
#3	-.1397	.3631	1.007	-17.04
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4028.7**	**43173.**	**4439.7**
Stddev	1.9	397.	64.2
%RSD	.04659	.92069	1.4451
#1	4030.2	43628.	4416.9
#2	4026.6	42995.	4512.2
#3	4029.2	42896.	4390.1

Sample Name: CCVL Acquired: 8/21/2016 11:32:30 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.3**	**13.20**	**9.382**	**195.4**	**1.933**	**4582.**
Stddev	9.0	.24	.606	.4	.134	15.
%RSD	4.517	1.849	6.463	.2004	6.949	.3335
#1	197.7	12.97	9.627	195.8	1.836	4566.
#2	189.7	13.46	9.827	195.4	2.086	4597.
#3	207.6	13.16	8.691	195.0	1.876	4581.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.845**	**49.01**	**9.688**	**22.50**	**139.8**	**4263.**
Stddev	.074	.19	.210	.29	7.3	27.
%RSD	1.936	.3899	2.166	1.278	5.222	.6414
#1	3.912	49.19	9.492	22.30	144.6	4235.
#2	3.765	48.81	9.909	22.36	143.3	4263.
#3	3.858	49.05	9.662	22.83	131.4	4290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4510.**	**15.01**	**4396.**	**39.68**	F **13.97**	**17.22**
Stddev	35.	.21	13.	.09	1.59	.97
%RSD	.7783	1.368	.2995	.2278	11.40	5.659
#1	4471.	14.99	4390.	39.58	12.14	18.26
#2	4539.	15.23	4387.	39.68	14.99	17.09
#3	4520.	14.82	4411.	39.77	14.79	16.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					10.00	
Range					30.50%	

Sample Name: CCVL Acquired: 8/21/2016 11:32:30 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.70**	**20.19**	**47.09**	**30.68**	**45.95**	**18.75**
Stddev	2.12	2.78	.66	.41	.78	.42
%RSD	14.44	13.76	1.405	1.337	1.708	2.225
#1	16.98	23.19	46.67	30.45	45.41	19.23
#2	14.36	17.70	46.74	30.45	46.85	18.45
#3	12.77	19.67	47.85	31.16	45.58	18.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.80**	**19.03**	**19.63**	F **-7.799**
Stddev	.35	.05	.34	10.55
%RSD	.7314	.2431	1.722	135.3
#1	48.18	19.04	19.61	3.431
#2	47.70	18.98	19.97	-17.51
#3	47.50	19.07	19.30	-9.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.8**	**43219.**	**4431.8**
Stddev	3.5	277.	74.0
%RSD	.08637	.64135	1.6688
#1	4040.6	43539.	4361.2
#2	4044.4	43054.	4425.6
#3	4037.4	43063.	4508.7

Sample Name: mb 460-385938/1-a@2 Acquired: 8/21/2016 11:36:30 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-13.93**	**-.4674**	**.2773**	**-.0904**	**-.1490**	**.5730**
Stddev	.00	.0000	.0000	.0000	.0000	.0000
%RSD	.0000	.0000	.0000	.0000	.0000	.0000
#1	-13.93	-.4674	.2773	-.0904	-.1490	.5730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1237**	**.4206**	**-.6022**	**.3699**	**10.76**	**-15.62**
Stddev	.0000	.0000	.0000	.0000	.00	.00
%RSD	.0000	.0000	.0000	.0000	.0000	.0000
#1	.1237	.4206	-.6022	.3699	10.76	-15.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.381**	**.0048**	**20.63**	**.1648**	**-2.279**	**-.0230**
Stddev	.000	.0000	.00	.0000	.000	.0000
%RSD	.0000	.0000	.0000	.0000	.0000	.0000
#1	-7.381	.0048	20.63	.1648	-2.279	-.0230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385938/1-a@2 Acquired: 8/21/2016 11:36:30 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.377**	**1.583**	**-.1749**	**.0134**	**.8582**	**.0843**
Stddev	.000	.000	.0000	.0000	.0000	.0000
%RSD	.0000	.0000	.0000	.0000	.0000	.0000
#1	-3.377	1.583	-.1749	.0134	.8582	.0843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3367**	**-.0220**	**.0366**	**-10.71**
Stddev	.0000	.0000	.0000	.00
%RSD	.0000	.0000	.0000	.0000
#1	-.3367	-.0220	.0366	-10.71
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4013.4**	**42898.**	**4322.4**
Stddev	.0	.	.0
%RSD	.00000	.00000	.00000
#1	4013.4	42898.	4322.4

Sample Name: CCV Acquired: 8/21/2016 11:41:36 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122600.**	**2440.**	**1221.**	**9992.**	**1004.**	**123800.**
Stddev	336.	6.	7.	17.	5.	2200.
%RSD	.2739	.2584	.5526	.1723	.4851	1.777
#1	122900.	2436.	1216.	10000.	1009.	122400.
#2	122400.	2448.	1229.	10000.	1000.	126300.
#3	122300.	2437.	1218.	9973.	1002.	122600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1241.**	**2455.**	**5049.**	**12080.**	**99700.**	**48470.**
Stddev	3.	5.	71.	67.	1325.	79.
%RSD	.2745	.1946	1.411	.5508	1.329	.1629
#1	1244.	2456.	5011.	12110.	98880.	48540.
#2	1243.	2459.	5131.	12010.	101200.	48390.
#3	1238.	2450.	5006.	12130.	98990.	48480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123700.**	**5073.**	**123100.**	**2488.**	**7481.**	**968.2**
Stddev	1720.	60.	795.	4.	21.	6.9
%RSD	1.391	1.192	.6461	.1685	.2764	.7078
#1	122600.	5037.	123900.	2491.	7497.	960.3
#2	125700.	5143.	122400.	2490.	7489.	972.0
#3	122800.	5039.	122900.	2483.	7458.	972.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 11:41:36 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2427.**	**2486.**	**2456.**	**2512.**	**981.1**	**2401.**
Stddev	24.	5.	22.	23.	6.5	4.
%RSD	.9847	.2119	.9067	.9068	.6583	.1824
#1	2401.	2483.	2440.	2538.	973.8	2396.
#2	2447.	2492.	2481.	2504.	983.1	2402.
#3	2433.	2482.	2446.	2494.	986.3	2404.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**989.8**	**4970.**	**9956.**	**9421.**
Stddev	3.1	18.	45.	126.
%RSD	.3132	.3662	.4497	1.334
#1	993.1	4986.	9938.	9383.
#2	986.9	4950.	10010.	9318.
#3	989.6	4973.	9922.	9561.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3758.4**	**40138.**	**4173.6**
Stddev	9.6	520.	64.5
%RSD	.25665	1.2953	1.5458
#1	3749.4	40274.	4156.9
#2	3757.1	39563.	4119.1
#3	3768.6	40576.	4244.9

Sample Name: CCB Acquired: 8/21/2016 11:45:11 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.49**	**2.725**	**.5381**	**.4056**	**.0175**	**.8510**
Stddev	9.97	1.810	.2105	.1828	.1111	5.770
%RSD	94.99	66.45	39.11	45.08	636.0	678.0
#1	6.518	.9720	.7758	.4467	.1093	-2.243
#2	3.127	4.588	.3753	.2057	-.1061	7.508
#3	21.84	2.614	.4633	.5645	.0492	-2.712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0927**	**.1533**	**-.1060**	**1.065**	**4.241**	**24.17**
Stddev	.1483	.1027	.0904	.115	15.63	22.30
%RSD	160.0	67.02	85.27	10.82	368.5	92.26
#1	.0656	.1813	-.1429	1.199	9.571	30.34
#2	.2527	.2391	-.0030	.9989	-13.36	42.75
#3	-.0402	.0395	-.1722	.9990	16.51	-.5615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.493**	**.2574**	**43.65**	**-.5060**	**2.341**	**-.9248**
Stddev	6.363	.0416	17.33	.3049	.665	1.129
%RSD	182.2	16.18	39.70	60.25	28.41	122.1
#1	10.21	.2099	62.22	-.8509	3.106	.2746
#2	2.699	.2746	40.81	-.3946	2.010	-1.968
#3	-2.437	.2877	27.91	-.2725	1.906	-1.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 11:45:11 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.059**	**-.3111**	**1.036**	**.1486**	**2.348**	**1.308**
Stddev	1.459	1.761	.864	.1290	.553	.277
%RSD	137.8	565.9	83.37	86.86	23.55	21.16
#1	.6249	.2686	1.823	.2516	2.983	1.612
#2	-1.857	1.087	1.175	.1903	2.092	1.239
#3	-1.944	-2.289	.1112	.0038	1.970	1.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0184**	**.1978**	**.7392**	**-2.524**
Stddev	.4590	.0979	.1533	26.07
%RSD	2497.	49.48	20.74	1033.
#1	-.0764	.2939	.8264	-32.56
#2	.4669	.0982	.8290	14.18
#3	-.4457	.2012	.5622	10.81
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4024.3**	**42914.**	**4394.7**
Stddev	11.5	177.	47.6
%RSD	.28572	.41133	1.0839
#1	4017.2	43008.	4340.5
#2	4018.0	43023.	4414.0
#3	4037.5	42710.	4429.7

Sample Name: CCVL Acquired: 8/21/2016 11:49:12 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**172.6**	**14.37**	**8.975**	**190.1**	**1.708**	**4403.**
Stddev	3.6	1.66	.587	.9	.141	30.
%RSD	2.108	11.54	6.541	.4697	8.250	.6875
#1	175.6	12.79	9.502	189.1	1.871	4375.
#2	168.6	16.09	9.079	190.4	1.628	4435.
#3	173.5	14.22	8.342	190.8	1.626	4399.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.806**	**47.17**	**8.866**	**21.34**	**134.7**	**4163.**
Stddev	.141	.63	.193	.23	9.0	38.
%RSD	3.697	1.332	2.181	1.059	6.682	.9054
#1	3.645	46.51	9.084	21.29	144.1	4130.
#2	3.869	47.25	8.718	21.58	133.9	4156.
#3	3.904	47.76	8.794	21.14	126.2	4204.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4353.**	**14.35**	**4254.**	**38.23**	**11.54**	**16.84**
Stddev	18.	.04	9.	.56	2.15	.40
%RSD	.4048	.2872	.2102	1.465	18.67	2.355
#1	4333.	14.34	4244.	37.63	11.13	16.72
#2	4366.	14.32	4256.	38.74	13.87	16.51
#3	4361.	14.40	4262.	38.31	9.624	17.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 11:49:12 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.21**	**18.65**	**45.63**	**29.80**	**44.26**	**18.09**
Stddev	.63	1.02	.25	.11	.29	.25
%RSD	3.675	5.447	.5548	.3841	.6624	1.364
#1	17.73	17.81	45.86	29.67	43.93	17.85
#2	16.51	18.36	45.36	29.81	44.39	18.34
#3	17.38	19.78	45.67	29.90	44.47	18.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**45.73**	**18.23**	**18.56**	F **2.014**
Stddev	.20	.03	.17	1.466
%RSD	.4316	.1689	.8908	72.76
#1	45.73	18.20	18.38	2.551
#2	45.53	18.26	18.59	.3558
#3	45.93	18.24	18.71	3.136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.2**	**43443.**	**4468.8**
Stddev	9.1	127.	35.7
%RSD	.22466	.29311	.79811
#1	4050.1	43381.	4437.4
#2	4038.1	43360.	4507.6
#3	4032.3	43590.	4461.5

Sample Name: mb 460-385938/1-a@2 Acquired: 8/21/2016 11:53:13 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.278**	**.5291**	**.6452**	**-.3614**	**-.0658**	**3.885**
Stddev	14.31	1.504	.4830	.1931	.1067	7.346
%RSD	436.7	284.2	74.86	53.41	162.2	189.1
#1	-13.25	.4151	.3376	-.5686	.0444	-3.584
#2	11.69	-.9145	1.202	-.3293	-.1686	11.10
#3	11.40	2.087	.3961	-.1865	-.0732	4.137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1149**	**.1743**	**-.4170**	**-.1344**	**-4.161**	**-29.57**
Stddev	.1272	.1096	.2224	.4785	11.34	27.01
%RSD	110.7	62.90	53.33	356.1	272.6	91.35
#1	-.0151	.2884	-.6737	-.3027	-.9032	-47.75
#2	-.0715	.1649	-.2844	-.5060	5.197	1.469
#3	-.2582	.0697	-.2928	.4055	-16.78	-42.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9654**	**-.0332**	**8.970**	**-.0683**	**-1.522**	**.4282**
Stddev	3.464	.0460	3.322	.3719	1.738	1.231
%RSD	358.8	138.9	37.03	544.4	114.2	287.5
#1	-.2509	-.0660	5.872	.1468	-3.310	1.732
#2	-1.727	.0195	12.48	-.4978	.1599	-.7128
#3	4.874	-.0529	8.560	.1460	-1.414	.2648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385938/1-a@2 Acquired: 8/21/2016 11:53:13 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1027**	**.1125**	**1.009**	**-.0217**	**.7077**	**.1904**
Stddev	3.054	.7411	.653	.0664	.0208	.3580
%RSD	2973.	658.8	64.70	306.5	2.936	188.1
#1	2.557	.0265	1.161	.0458	.7076	.0754
#2	1.068	.8929	1.573	-.0870	.7285	-.0960
#3	-3.317	-.5819	.2936	-.0238	.6870	.5918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5762**	**-.0230**	**-.0299**	**-14.24**
Stddev	.4748	.0839	.1971	9.77
%RSD	82.40	364.6	659.5	68.61
#1	-1.104	-.0080	.0236	-24.72
#2	-.4414	.0523	-.2482	-12.62
#3	-.1834	-.1134	.1350	-5.383
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4014.4**	**43383.**	**4377.9**
Stddev	11.4	241.	57.8
%RSD	.28431	.55551	1.3200
#1	4007.3	43300.	4312.2
#2	4008.4	43194.	4400.8
#3	4027.6	43654.	4420.7

Sample Name: 460-118949-a-6-b@4 Acquired: 8/21/2016 11:57:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56950.**	**41.31**	**9.087**	**399.6**	**2.549**	F **279300.**
Stddev	1312.	1.01	.107	.5	.213	2251.
%RSD	2.303	2.447	1.177	.1343	8.347	.8060
#1	55440.	40.24	8.975	399.0	2.792	278000.
#2	57790.	42.25	9.188	400.0	2.396	281900.
#3	57630.	41.43	9.097	399.8	2.458	278100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.041**	**37.25**	**422.2**	**377.3**	**107700.**	**13700.**
Stddev	.184	.16	4.1	1.2	675.	388.
%RSD	6.059	.4214	.9672	.3265	.6270	2.834
#1	3.223	37.23	419.0	376.2	107400.	13250.
#2	2.855	37.11	426.8	377.1	108400.	13890.
#3	3.044	37.42	420.8	378.6	107200.	13960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37840.**	**2483.**	**25650.**	**166.1**	**331.2**	**-.7443**
Stddev	230.	12.	550.	1.6	.7	1.919
%RSD	.6071	.4850	2.145	.9469	.2043	257.9
#1	37700.	2475.	25010.	165.1	330.9	-2.009
#2	38100.	2496.	25980.	167.9	330.7	-1.688
#3	37720.	2477.	25950.	165.2	332.0	1.464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118949-a-6-b@4 Acquired: 8/21/2016 11:57:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.798**	**.5520**	**178.8**	**1024.**	**147.1**	**7.870**
Stddev	2.819	1.585	1.6	2.	.8	.597
%RSD	100.7	287.0	.8764	.1692	.5370	7.586
#1	6.032	-.1894	177.4	1024.	147.7	7.466
#2	.8611	-.5259	180.5	1026.	146.2	8.556
#3	1.502	2.371	178.5	1023.	147.4	7.589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**75.69**	**1570.**	**1732.**	**1890.**
Stddev	.29	29.	5.	38.
%RSD	.3786	1.874	.2708	2.022
#1	75.84	1536.	1726.	1872.
#2	75.87	1585.	1735.	1864.
#3	75.36	1588.	1734.	1934.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3893.6**	**42198.**	**4520.9**
Stddev	17.8	342.	77.4
%RSD	.45730	.81124	1.7119
#1	3873.3	42068.	4595.7
#2	3906.6	41939.	4441.2
#3	3900.9	42586.	4525.7

Sample Name: 460-118949-a-12-b@4 Acquired: 8/21/2016 12:01:06 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50690.**	**39.21**	**7.916**	**390.6**	**2.378**	**209400.**
Stddev	1402.	1.64	.999	.3	.124	2607.
%RSD	2.766	4.179	12.63	.0654	5.225	1.245
#1	49080.	40.09	6.771	390.8	2.246	206500.
#2	51360.	37.32	8.364	390.3	2.394	210300.
#3	51640.	40.23	8.614	390.6	2.493	211500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.368**	**35.25**	**382.5**	**360.4**	**100700.**	**12490.**
Stddev	.164	.12	3.6	.3	947.	366.
%RSD	6.906	.3300	.9347	.0825	.9405	2.927
#1	2.473	35.35	378.4	360.7	99630.	12070.
#2	2.451	35.12	384.1	360.2	100800.	12640.
#3	2.180	35.28	385.0	360.2	101500.	12750.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34470.**	**2166.**	**23890.**	**165.9**	**323.9**	**-1.111**
Stddev	280.	19.	618.	1.3	4.5	1.967
%RSD	.8134	.8768	2.586	.7955	1.397	177.0
#1	34170.	2145.	23180.	164.4	318.7	-.6654
#2	34520.	2172.	24220.	166.8	327.0	.5942
#3	34730.	2182.	24270.	166.5	326.1	-3.263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118949-a-12-b@4 Acquired: 8/21/2016 12:01:06 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.004**	**-1.477**	**159.5**	**897.0**	**104.2**	**6.251**
Stddev	2.616	2.126	.9	1.0	.5	.352
%RSD	65.33	144.0	.5801	.1134	.4975	5.625
#1	1.698	-.5580	158.5	895.9	103.6	6.016
#2	6.847	.0354	160.3	897.1	104.6	6.655
#3	3.468	-3.908	159.7	897.9	104.4	6.082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**70.03**	**1126.**	**1595.**	**1575.**
Stddev	.50	25.	3.	24.
%RSD	.7138	2.254	.2044	1.509
#1	69.46	1097.	1591.	1575.
#2	70.41	1142.	1597.	1599.
#3	70.20	1140.	1596.	1551.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.3**	**42234.**	**4509.8**
Stddev	5.0	315.	123.4
%RSD	.12609	.74585	2.7370
#1	3924.2	42566.	4628.6
#2	3929.8	42197.	4518.6
#3	3934.0	41939.	4382.2

Sample Name: 460-118589-a-1-b@20 Acquired: 8/21/2016 12:04:56 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11860.**	**30.12**	**7.343**	**170.8**	**.0137**	**66760.**
Stddev	16.	1.32	.176	.5	.1024	94.
%RSD	.1352	4.382	2.394	.3003	749.8	.1412
#1	11850.	31.62	7.378	171.2	.0591	66870.
#2	11860.	29.57	7.153	171.1	.0855	66690.
#3	11880.	29.16	7.499	170.3	-.1036	66730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6521**	**290.7**	**2509.**	**242.2**	**110100.**	**377.3**
Stddev	.1207	1.0	2.	.4	211.	32.1
%RSD	18.51	.3269	.0730	.1476	.1919	8.503
#1	-.7280	290.5	2507.	241.9	110300.	343.2
#2	-.7153	291.7	2511.	242.6	110000.	406.9
#3	-.5129	289.8	2510.	242.2	109900.	381.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29760.**	**2003.**	**297.5**	**2705.**	**836.6**	**-1.449**
Stddev	46.	2.	7.9	1.	1.1	1.838
%RSD	.1560	.1001	2.662	.0543	.1267	126.9
#1	29790.	2004.	299.9	2704.	837.9	-3.493
#2	29710.	2004.	304.0	2705.	836.0	-.9241
#3	29790.	2000.	288.7	2707.	836.1	.0695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118589-a-1-b@20 Acquired: 8/21/2016 12:04:56 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.850**	**1.025**	**270.4**	**192.3**	**23.99**	**112.4**
Stddev	3.110	3.225	1.2	1.0	.42	.5
%RSD	80.77	314.6	.4374	.5178	1.769	.4626
#1	.2616	2.475	271.8	191.7	23.97	112.1
#2	5.759	3.271	269.8	193.4	24.42	113.0
#3	5.530	-2.671	269.6	191.6	23.57	112.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**63.95**	**83.51**	**801.6**	**243.7**
Stddev	1.47	.19	.1	16.9
%RSD	2.302	.2236	.0120	6.939
#1	65.36	83.29	801.6	259.3
#2	64.07	83.63	801.5	246.0
#3	62.42	83.60	801.6	225.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3918.0**	**42481.**	**4320.3**
Stddev	3.9	42.	32.2
%RSD	.09958	.09964	.74488
#1	3915.5	42481.	4298.5
#2	3922.5	42439.	4357.2
#3	3916.0	42524.	4305.1

Sample Name: 460-118920-d-1-a@4 Acquired: 8/21/2016 12:08:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23690.**	**11.47**	**.7246**	**211.8**	**1.226**	**10310.**
Stddev	740.	1.25	.6404	.5	.167	30.
%RSD	3.122	10.87	88.37	.2482	13.64	.2938
#1	22880.	10.07	-.0125	211.9	1.051	10350.
#2	23870.	12.47	1.144	212.3	1.385	10290.
#3	24320.	11.86	1.042	211.3	1.244	10300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4016**	**21.84**	**47.88**	**80.36**	**53120.**	**3602.**
Stddev	.1219	.05	.58	1.18	154.	142.
%RSD	30.36	.2317	1.202	1.466	.2907	3.938
#1	-.4222	21.90	47.96	79.20	53170.	3449.
#2	-.2707	21.82	47.27	80.32	52940.	3628.
#3	-.5119	21.81	48.41	81.55	53240.	3729.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9776.**	**1370.**	**1662.**	**46.88**	**109.9**	**.8549**
Stddev	64.	2.	65.	.33	4.2	1.335
%RSD	.6564	.1494	3.932	.7101	3.847	156.2
#1	9714.	1369.	1588.	46.86	109.3	.1437
#2	9773.	1368.	1685.	47.22	114.5	.0260
#3	9842.	1372.	1713.	46.55	106.1	2.395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118920-d-1-a@4 Acquired: 8/21/2016 12:08:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4530**	**.1529**	**67.11**	**202.9**	**18.55**	**2.138**
Stddev	1.016	.8136	1.00	.2	.36	.236
%RSD	224.4	532.1	1.493	.1094	1.923	11.05
#1	-.2904	1.080	65.97	203.2	18.23	2.257
#2	.0382	-.1789	67.52	202.7	18.94	1.866
#3	1.611	-.4424	67.85	202.9	18.49	2.292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.046**	**65.34**	**969.1**	**697.1**
Stddev	.529	2.47	2.8	5.7
%RSD	8.754	3.775	.2884	.8188
#1	6.605	62.57	966.3	690.6
#2	5.981	66.15	969.0	701.3
#3	5.552	67.30	971.9	699.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.4**	**43671.**	**4537.2**
Stddev	25.6	481.	60.4
%RSD	.63422	1.1025	1.3323
#1	4009.9	43115.	4526.7
#2	4052.6	43955.	4602.2
#3	4055.8	43944.	4482.7

Sample Name: 460-118922-a-1-a@4 Acquired: 8/21/2016 12:12:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36910.**	**13.54**	**1.084**	**182.7**	**1.277**	**3177.**
Stddev	80.	2.01	.618	.6	.042	31.
%RSD	.2157	14.86	57.01	.3125	3.297	.9894
#1	36890.	11.63	1.216	183.1	1.257	3162.
#2	36850.	15.64	1.626	182.1	1.248	3156.
#3	37000.	13.33	.4109	183.0	1.325	3213.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.015**	**23.14**	**53.87**	**48.84**	**70580.**	**2404.**
Stddev	.179	.28	.40	.45	333.	4.
%RSD	17.61	1.197	.7348	.9191	.4721	.1725
#1	-1.085	22.87	53.59	48.34	70290.	2405.
#2	-1.148	23.14	54.33	48.98	70520.	2408.
#3	-.8118	23.42	53.70	49.20	70940.	2400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6834.**	**759.2**	**273.8**	**43.55**	**21.84**	**-.1526**
Stddev	104.	4.2	12.1	.90	2.16	1.014
%RSD	1.519	.5535	4.413	2.057	9.891	664.9
#1	6742.	756.1	287.0	43.45	19.87	-.0017
#2	6815.	757.5	263.4	42.71	24.15	-1.234
#3	6947.	764.0	270.9	44.50	21.50	.7779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118922-a-1-a@4 Acquired: 8/21/2016 12:12:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.618**	**1.152**	**96.88**	**144.6**	**5.399**	**1.350**
Stddev	6.363	1.122	1.86	1.4	.101	.340
%RSD	243.1	97.34	1.919	.9658	1.876	25.20
#1	6.859	.9579	95.10	143.1	5.493	1.248
#2	5.693	2.358	96.75	144.9	5.292	1.072
#3	-4.699	.1406	98.81	145.8	5.413	1.729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.831**	**23.46**	**1247.**	**726.9**
Stddev	.509	.12	6.	27.4
%RSD	8.736	.4936	.5017	3.771
#1	6.399	23.55	1241.	703.2
#2	5.415	23.33	1249.	720.5
#3	5.678	23.51	1253.	756.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.8**	**44419.**	**4543.8**
Stddev	6.5	89.	39.1
%RSD	.15841	.19980	.86156
#1	4109.4	44422.	4571.6
#2	4121.6	44507.	4560.8
#3	4119.4	44329.	4499.0

Sample Name: 460-118922-a-2-a@4 Acquired: 8/21/2016 12:16:29 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56030.**	**19.97**	**.4680**	**233.7**	**1.784**	**8610.**
Stddev	1373.	2.80	.5362	.7	.069	60.
%RSD	2.450	14.04	114.6	.2795	3.851	.7000
#1	54450.	21.09	1.073	232.9	1.791	8550.
#2	56760.	22.04	.2808	234.0	1.848	8670.
#3	56890.	16.78	.0504	234.1	1.712	8611.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8159**	**41.40**	**86.95**	**98.90**	**99160.**	**2863.**
Stddev	.0981	.35	.90	1.38	319.	83.
%RSD	12.03	.8417	1.029	1.390	.3220	2.894
#1	-.7872	41.15	85.97	97.34	98940.	2767.
#2	-.9252	41.26	87.73	99.46	99520.	2914.
#3	-.7354	41.80	87.14	99.91	99010.	2907.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10310.**	**1213.**	**363.2**	**73.06**	**249.5**	**-.1898**
Stddev	171.	4.	3.9	.38	1.1	1.217
%RSD	1.653	.3521	1.062	.5144	.4354	641.5
#1	10110.	1209.	366.5	73.00	248.7	.1776
#2	10420.	1218.	364.2	72.72	249.0	-1.549
#3	10390.	1214.	359.0	73.46	250.7	.8017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118922-a-2-a@4 Acquired: 8/21/2016 12:16:29 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.838**	**-.5224**	**143.1**	**283.6**	**7.008**	**3.713**
Stddev	1.090	1.205	1.8	1.0	.333	.334
%RSD	28.42	230.7	1.255	.3366	4.745	9.000
#1	3.230	.2222	141.1	283.9	6.846	4.073
#2	3.186	.1236	144.2	282.5	6.788	3.413
#3	5.097	-1.913	144.1	284.3	7.390	3.653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.19**	**84.83**	**1491.**	**826.2**
Stddev	.56	1.86	7.	12.5
%RSD	5.464	2.191	.4705	1.510
#1	9.622	82.68	1483.	824.3
#2	10.73	86.01	1496.	814.9
#3	10.22	85.78	1493.	839.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4060.5**	**43314.**	**4468.4**
Stddev	7.3	172.	92.3
%RSD	.17855	.39603	2.0656
#1	4052.4	43150.	4574.8
#2	4066.3	43299.	4410.7
#3	4062.9	43492.	4419.5

Sample Name: 460-118922-a-3-a@4 Acquired: 8/21/2016 12:20:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36530.**	**12.91**	**.2641**	**177.3**	**1.386**	**3582.**
Stddev	879.	1.60	.5950	.1	.069	26.
%RSD	2.406	12.37	225.3	.0503	4.952	.7292
#1	35510.	11.97	-.1466	177.2	1.359	3575.
#2	37010.	14.76	.9465	177.3	1.464	3611.
#3	37060.	12.01	-.0076	177.4	1.336	3560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.084**	**26.72**	**52.03**	**50.52**	**69660.**	**2376.**
Stddev	.131	.40	.08	.27	157.	60.
%RSD	12.07	1.484	.1477	.5330	.2252	2.545
#1	-1.123	26.32	52.00	50.46	69710.	2307.
#2	-1.190	27.11	52.11	50.28	69790.	2398.
#3	-.9376	26.74	51.97	50.81	69490.	2422.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8017.**	**1712.**	**245.2**	**58.68**	**1.435**	**-2.436**
Stddev	66.	4.	5.3	1.22	1.926	.607
%RSD	.8257	.2248	2.146	2.081	134.2	24.93
#1	7944.	1713.	239.3	58.88	3.646	-3.129
#2	8034.	1716.	249.3	57.37	.1200	-1.997
#3	8073.	1708.	247.0	59.79	.5395	-2.181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118922-a-3-a@4 Acquired: 8/21/2016 12:20:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1035**	**-.9216**	**85.27**	**136.6**	**6.187**	**1.485**
Stddev	3.749	1.444	.56	1.2	.432	.337
%RSD	3624.	156.6	.6575	.8889	6.976	22.72
#1	-.3256	.7282	85.90	135.2	6.584	1.572
#2	-3.413	-1.953	84.83	137.0	5.728	1.113
#3	4.049	-1.540	85.09	137.5	6.248	1.770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.533**	**23.22**	**1248.**	**815.5**
Stddev	.374	.63	1.	5.6
%RSD	8.259	2.713	.0642	.6905
#1	4.296	22.49	1248.	817.6
#2	4.338	23.51	1249.	819.8
#3	4.964	23.65	1248.	809.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4103.2**	**43978.**	**4432.4**
Stddev	16.4	272.	82.3
%RSD	.39852	.61959	1.8570
#1	4092.6	43753.	4523.4
#2	4095.1	43900.	4410.9
#3	4122.1	44281.	4363.0

Sample Name: 460-118923-c-1-a@4 Acquired: 8/21/2016 12:24:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**65350.**	**22.61**	**.8981**	**202.1**	**2.585**	**4221.**
Stddev	323.	.54	.0968	.9	.105	20.
%RSD	.4935	2.380	10.78	.4279	4.048	.4688
#1	65730.	22.42	.9816	201.4	2.474	4208.
#2	65160.	23.22	.7920	201.8	2.682	4244.
#3	65180.	22.19	.9205	203.1	2.600	4211.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.418**	**49.98**	**126.0**	**66.35**	**113900.**	**2971.**
Stddev	.103	.40	1.5	.66	378.	23.
%RSD	7.240	.7916	1.167	.9959	.3322	.7674
#1	-1.302	49.55	125.5	65.88	113500.	2996.
#2	-1.495	50.05	127.6	66.06	113900.	2964.
#3	-1.458	50.33	124.8	67.10	114200.	2952.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25430.**	**926.2**	**279.1**	**122.2**	**-.6551**	**-2.582**
Stddev	72.	2.9	7.3	.6	1.159	1.569
%RSD	.2831	.3142	2.604	.4976	176.9	60.77
#1	25350.	923.2	276.4	122.8	-1.704	-3.418
#2	25450.	926.6	287.4	121.6	.5886	-3.555
#3	25490.	928.9	273.6	122.1	-.8501	-.7718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-1-a@4 Acquired: 8/21/2016 12:24:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.370**	**-2.506**	**148.0**	**244.7**	**2.842**	**1.697**
Stddev	1.126	1.640	2.1	1.9	.427	.183
%RSD	82.20	65.47	1.415	.7769	15.04	10.79
#1	2.064	-1.074	146.9	242.8	2.410	1.882
#2	.0707	-4.296	146.7	246.6	3.265	1.516
#3	1.975	-2.147	150.4	244.8	2.853	1.693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.495**	**43.73**	**1460.**	**785.2**
Stddev	1.629	.08	3.	10.8
%RSD	29.65	.1816	.2286	1.381
#1	4.578	43.64	1456.	779.4
#2	4.530	43.79	1461.	778.5
#3	7.375	43.76	1462.	797.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4175.3**	**45041.**	**4634.9**
Stddev	5.4	29.	62.2
%RSD	.12888	.06392	1.3419
#1	4169.1	45060.	4565.7
#2	4178.7	45055.	4653.2
#3	4178.0	45008.	4686.0

Sample Name: 460-118923-c-2-a@4 Acquired: 8/21/2016 12:28:07 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21630.**	**6.054**	**.4455**	**111.4**	**.7364**	**4763.**
Stddev	436.	1.123	.1541	.3	.0628	25.
%RSD	2.014	18.55	34.58	.2306	8.526	.5156
#1	21130.	7.346	.2977	111.5	.6665	4738.
#2	21940.	5.310	.6052	111.1	.7881	4787.
#3	21820.	5.506	.4338	111.5	.7545	4765.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9174**	**18.15**	**41.94**	**30.45**	**60800.**	**2299.**
Stddev	.1819	.42	.43	.40	316.	19.
%RSD	19.83	2.330	1.030	1.324	.5189	.8273
#1	-.9856	17.82	41.49	30.26	60520.	2279.
#2	-1.055	18.00	42.35	30.91	61140.	2317.
#3	-.7112	18.62	41.98	30.17	60760.	2299.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6166.**	**474.8**	**340.9**	**34.32**	**-6.807**	**-1.099**
Stddev	78.	2.0	7.3	.53	2.242	1.359
%RSD	1.261	.4126	2.134	1.540	32.94	123.6
#1	6077.	473.7	336.9	34.59	-4.318	.2890
#2	6213.	477.1	336.5	33.71	-8.667	-2.426
#3	6209.	473.6	349.3	34.66	-7.437	-1.161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-2-a@4 Acquired: 8/21/2016 12:28:07 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.140**	**-.6466**	**70.73**	**84.86**	**4.259**	**.8410**
Stddev	2.161	.9893	1.17	.39	.204	.2124
%RSD	189.6	153.0	1.662	.4654	4.792	25.25
#1	-.8046	-.7393	69.52	84.51	4.060	1.080
#2	3.466	.3858	70.80	84.78	4.248	.7679
#3	.7572	-1.586	71.87	85.29	4.468	.6749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.319**	**21.80**	**1092.**	**662.3**
Stddev	.664	.34	2.	21.6
%RSD	15.38	1.553	.1578	3.256
#1	5.047	21.47	1092.	667.1
#2	4.165	22.15	1094.	681.2
#3	3.745	21.78	1091.	638.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4093.6**	**44279.**	**4500.5**
Stddev	13.7	265.	84.7
%RSD	.33531	.59871	1.8811
#1	4077.8	44049.	4595.6
#2	4103.1	44220.	4433.5
#3	4099.8	44569.	4472.3

Sample Name: CCV Acquired: 8/21/2016 12:32:04 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122800.**	**2474.**	**1229.**	**10060.**	**1007.**	**123400.**
Stddev	545.	5.	1.	12.	5.	373.
%RSD	.4435	.1847	.0760	.1211	.4841	.3026
#1	122300.	2479.	1228.	10070.	1003.	123100.
#2	123400.	2473.	1229.	10050.	1012.	123800.
#3	122800.	2470.	1228.	10050.	1005.	123300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1250.**	**2483.**	**5043.**	**12230.**	**99910.**	**48850.**
Stddev	2.	2.	12.	15.	391.	264.
%RSD	.1286	.0812	.2431	.1252	.3916	.5397
#1	1252.	2484.	5032.	12220.	99530.	48610.
#2	1250.	2481.	5056.	12250.	100300.	49130.
#3	1248.	2485.	5041.	12230.	99900.	48820.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123800.**	**5084.**	**123800.**	**2520.**	**7527.**	**975.0**
Stddev	390.	12.	369.	2.	5.	7.1
%RSD	.3149	.2442	.2976	.0784	.0712	.7248
#1	123500.	5073.	123700.	2522.	7522.	982.9
#2	124200.	5097.	124200.	2521.	7533.	972.5
#3	123800.	5080.	123500.	2518.	7526.	969.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 12:32:04 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2442.**	**2501.**	**2470.**	**2529.**	**987.2**	**2420.**
Stddev	11.	16.	7.	8.	.7	3.
%RSD	.4521	.6275	.2787	.3071	.0756	.1260
#1	2454.	2515.	2462.	2530.	987.5	2420.
#2	2438.	2504.	2474.	2537.	987.8	2416.
#3	2434.	2484.	2473.	2521.	986.4	2422.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**989.8**	**5027.**	**10060.**	**9554.**
Stddev	2.5	16.	17.	77.
%RSD	.2544	.3101	.1720	.8108
#1	991.7	5010.	10040.	9637.
#2	990.7	5032.	10080.	9485.
#3	986.9	5040.	10070.	9539.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3775.4**	**40776.**	**4237.4**
Stddev	3.1	131.	37.7
%RSD	.08115	.32150	.88931
#1	3771.8	40890.	4253.8
#2	3776.9	40633.	4194.3
#3	3777.3	40804.	4264.1

Sample Name: CCB Acquired: 8/21/2016 12:35:41 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.105**	**.3790**	**.3958**	**.1986**	**-.0149**	**-3.408**
Stddev	6.447	1.094	.4976	.5652	.1425	5.677
%RSD	207.6	288.6	125.7	284.6	958.3	166.6
#1	-8.038	1.424	.6654	-.1583	-.0353	-7.422
#2	-5.467	-.7583	.7006	-.0961	-.1461	3.087
#3	4.190	.4717	-.1784	.8503	.1368	-5.890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0262**	**.0976**	**-.4427**	**.1411**	**-5.112**	**23.06**
Stddev	.1811	.2713	.4959	.4086	3.834	17.78
%RSD	690.2	277.9	112.0	289.7	74.99	77.14
#1	.0478	-.1112	-.9296	-.3250	-1.413	30.39
#2	-.1647	-.0002	.0617	.3103	-9.068	36.00
#3	.1956	.4042	-.4601	.4379	-4.857	2.776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.242**	**.0932**	**25.44**	**-.3470**	**2.125**	**-.7203**
Stddev	5.798	.0539	21.60	.7239	2.252	1.784
%RSD	178.8	57.82	84.87	208.6	106.0	247.8
#1	3.441	.1529	37.40	-.9463	1.696	1.337
#2	-6.932	.0479	38.42	.4573	.1178	-1.850
#3	-6.234	.0789	.5154	-.5522	4.561	-1.648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 12:35:41 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.384**	**-.5181**	**1.074**	**.1777**	**1.692**	**.9925**
Stddev	1.893	.2139	.499	.1287	.803	.2843
%RSD	136.8	41.29	46.49	72.43	47.50	28.64
#1	.0522	-.2728	1.461	.1586	2.552	1.314
#2	-3.530	-.6664	1.250	.0597	1.561	.8912
#3	-.6752	-.6150	.5104	.3150	.9616	.7727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5549**	**-.0037**	**.3131**	**-9.701**
Stddev	.6078	.0222	.1401	13.79
%RSD	109.5	601.4	44.76	142.1
#1	-.1973	-.0019	.3712	-18.96
#2	-1.257	-.0267	.4148	-16.29
#3	-.2108	.0175	.1532	6.146
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4020.1**	**43227.**	**4379.0**
Stddev	12.9	175.	61.3
%RSD	.32073	.40399	1.4000
#1	4023.0	43215.	4326.5
#2	4031.4	43407.	4364.0
#3	4006.0	43058.	4446.4

Sample Name: CCVL Acquired: 8/21/2016 12:39:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**191.6**	**14.66**	**9.422**	**195.0**	**1.846**	**4563.**
Stddev	15.8	.49	.771	.5	.137	19.
%RSD	8.262	3.358	8.187	.2613	7.422	.4212
#1	209.3	14.75	9.692	195.3	1.942	4566.
#2	178.7	14.13	10.02	194.4	1.907	4542.
#3	186.8	15.10	8.552	195.3	1.689	4581.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.010**	**49.11**	**9.956**	**22.87**	**136.5**	**4319.**
Stddev	.226	.28	.169	.43	3.8	1.
%RSD	5.638	.5761	1.701	1.889	2.809	.0329
#1	4.259	48.80	10.15	23.23	134.0	4319.
#2	3.952	49.20	9.837	23.00	140.9	4320.
#3	3.818	49.34	9.881	22.39	134.5	4318.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4537.**	**15.18**	**4388.**	**40.59**	**10.70**	**16.53**
Stddev	27.	.16	23.	.86	1.83	.81
%RSD	.5901	1.082	.5165	2.110	17.12	4.889
#1	4519.	15.17	4372.	39.63	9.154	15.60
#2	4525.	15.01	4378.	41.27	10.23	17.00
#3	4568.	15.34	4414.	40.87	12.72	17.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 12:39:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.99**	**19.11**	**47.07**	**30.93**	**45.37**	**18.70**
Stddev	2.05	3.47	.39	.38	.30	.35
%RSD	12.83	18.14	.8191	1.243	.6555	1.871
#1	15.33	19.28	47.41	30.51	45.35	19.08
#2	18.30	22.49	46.65	30.99	45.68	18.64
#3	14.36	15.56	47.14	31.27	45.08	18.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.04**	**19.11**	**20.06**	F **-8.622**
Stddev	.66	.06	.07	8.465
%RSD	1.407	.3241	.3506	98.19
#1	47.16	19.17	20.13	-13.75
#2	46.32	19.11	20.00	1.149
#3	47.62	19.05	20.03	-13.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4000.4**	**42806.**	**4280.4**
Stddev	6.1	115.	41.9
%RSD	.15354	.26950	.97990
#1	4006.0	42741.	4304.1
#2	4001.3	42940.	4305.0
#3	3993.8	42739.	4231.9

Sample Name: 460-118923-c-3-a@4 Acquired: 8/21/2016 12:43:43 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30840.**	**5.989**	**.5054**	**162.7**	**1.136**	**4729.**
Stddev	572.	2.013	.4578	.7	.048	104.
%RSD	1.856	33.61	90.59	.4033	4.227	2.199
#1	30190.	6.591	1.025	163.1	1.190	4610.
#2	31130.	3.743	.1616	163.0	1.099	4775.
#3	31220.	7.631	.3294	161.9	1.119	4802.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.344**	**22.27**	**48.36**	**43.17**	**71410.**	**3081.**
Stddev	.105	.42	1.76	.41	927.	98.
%RSD	7.793	1.905	3.645	.9430	1.298	3.168
#1	-1.296	22.16	46.46	42.71	70360.	2973.
#2	-1.271	22.74	49.95	43.31	71750.	3108.
#3	-1.464	21.91	48.67	43.49	72120.	3162.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8085.**	**1010.**	**355.5**	**43.51**	**-6.409**	**-.8768**
Stddev	192.	11.	17.0	.15	1.458	2.236
%RSD	2.371	1.131	4.773	.3527	22.76	255.0
#1	7889.	997.2	352.2	43.35	-7.066	-2.436
#2	8096.	1016.	373.9	43.66	-4.738	1.685
#3	8272.	1018.	340.4	43.52	-7.424	-1.880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-3-a@4 Acquired: 8/21/2016 12:43:43 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7615**	**1.425**	**83.76**	**119.0**	**6.763**	**1.045**
Stddev	.7123	2.294	1.81	1.4	.166	.383
%RSD	93.54	161.0	2.162	1.138	2.447	36.67
#1	.0518	-1.212	81.73	118.0	6.628	.6244
#2	-1.275	2.517	84.36	118.6	6.713	1.135
#3	-1.062	2.968	85.20	120.6	6.948	1.374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.831**	**28.22**	**1170.**	**660.6**
Stddev	.812	.64	7.	21.8
%RSD	21.20	2.281	.5563	3.296
#1	3.705	27.48	1163.	638.1
#2	3.090	28.49	1175.	681.6
#3	4.699	28.67	1172.	662.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4071.0**	**43632.**	**4454.4**
Stddev	10.4	397.	59.8
%RSD	.25602	.90898	1.3418
#1	4059.1	44085.	4520.9
#2	4075.8	43462.	4437.4
#3	4078.1	43348.	4405.0

Sample Name: 460-118923-c-4-a@4 Acquired: 8/21/2016 12:47:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62560.**	**16.39**	**.9577**	**214.6**	**1.944**	**3200.**
Stddev	443.	1.69	1.103	.6	.144	5.
%RSD	.7081	10.28	115.2	.2585	7.424	.1412
#1	63040.	14.52	2.168	213.9	1.813	3197.
#2	62170.	16.85	.6958	215.0	2.099	3205.
#3	62470.	17.79	.0091	214.8	1.919	3198.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.023**	**46.86**	**97.80**	**70.53**	**117800.**	**3378.**
Stddev	.130	.49	.48	.32	189.	23.
%RSD	6.432	1.052	.4857	.4548	.1607	.6789
#1	-1.989	46.32	98.26	70.18	118000.	3402.
#2	-1.914	46.98	97.32	70.61	117700.	3376.
#3	-2.167	47.28	97.83	70.81	117700.	3357.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16140.**	**2542.**	**345.6**	**95.27**	**-2.473**	**-2.284**
Stddev	79.	3.	4.2	.66	.388	1.676
%RSD	.4880	.1121	1.214	.6939	15.69	73.36
#1	16050.	2546.	344.6	95.36	-2.499	-3.370
#2	16160.	2541.	341.9	95.87	-2.073	-3.129
#3	16200.	2540.	350.2	94.56	-2.848	-.3542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-4-a@4 Acquired: 8/21/2016 12:47:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.008**	**-.5929**	**133.6**	**227.3**	**4.489**	**3.082**
Stddev	1.640	1.214	1.7	2.1	.271	.274
%RSD	81.70	204.8	1.263	.9091	6.046	8.902
#1	1.179	.3150	132.0	225.2	4.218	3.384
#2	3.897	-1.972	133.6	227.2	4.761	2.849
#3	.9474	-.1216	135.4	229.4	4.488	3.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.055**	**35.60**	**1453.**	**819.6**
Stddev	.448	.34	3.	27.6
%RSD	11.04	.9655	.2332	3.370
#1	3.973	35.99	1449.	811.7
#2	4.538	35.45	1455.	850.4
#3	3.653	35.35	1456.	796.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4049.3**	**43250.**	**4366.7**
Stddev	4.4	327.	55.7
%RSD	.10813	.75552	1.2759
#1	4044.4	42873.	4316.4
#2	4052.8	43427.	4426.6
#3	4050.8	43450.	4357.2

Sample Name: 460-118923-c-5-a@4 Acquired: 8/21/2016 12:51:28 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27710.**	**8.325**	**.6108**	**158.9**	**1.066**	**4431.**
Stddev	576.	.686	.4572	.7	.097	98.
%RSD	2.078	8.237	74.85	.4310	9.116	2.219
#1	27060.	8.657	.2929	158.1	.9654	4327.
#2	28130.	7.537	1.135	159.0	1.075	4523.
#3	27950.	8.782	.4047	159.5	1.159	4444.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.266**	**23.11**	**49.26**	**47.12**	**71850.**	**2828.**
Stddev	.054	.35	.87	.17	994.	45.
%RSD	4.259	1.523	1.760	.3525	1.383	1.607
#1	-1.211	23.36	48.34	46.95	70800.	2775.
#2	-1.267	22.70	49.38	47.14	72770.	2855.
#3	-1.319	23.26	50.06	47.28	71970.	2853.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7515.**	**500.8**	**327.6**	**39.58**	**-6.403**	**-.8191**
Stddev	137.	6.3	7.4	.15	1.860	2.551
%RSD	1.819	1.248	2.249	.3845	29.05	311.4
#1	7377.	494.8	319.7	39.42	-5.638	1.292
#2	7650.	507.3	328.9	39.73	-8.524	-.0954
#3	7517.	500.3	334.2	39.59	-5.048	-3.654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-5-a@4 Acquired: 8/21/2016 12:51:28 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.917**	**-1.835**	**83.22**	**106.9**	**5.464**	**.9425**
Stddev	1.122	1.893	1.89	.5	.334	.1487
%RSD	58.51	103.2	2.270	.4729	6.114	15.77
#1	-1.510	-4.020	81.49	106.7	5.771	1.061
#2	-1.056	-.7506	85.23	106.6	5.108	.9911
#3	-3.186	-.7330	82.93	107.5	5.511	.7756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.348**	**20.75**	**1206.**	**674.8**
Stddev	.088	.31	4.	6.8
%RSD	2.620	1.475	.3258	1.007
#1	3.299	20.39	1202.	674.8
#2	3.296	20.94	1210.	667.9
#3	3.449	20.90	1206.	681.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4110.6**	**43720.**	**4465.7**
Stddev	9.6	640.	137.6
%RSD	.23455	1.4640	3.0815
#1	4101.3	44245.	4611.4
#2	4120.5	43007.	4338.0
#3	4110.1	43908.	4447.6

Sample Name: 460-118923-c-6-a@4 Acquired: 8/21/2016 12:55:21 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27520.**	**6.286**	**.5743**	**181.3**	**1.053**	**4423.**
Stddev	454.	1.427	.9390	10.9	.183	66.
%RSD	1.648	22.71	163.5	5.995	17.33	1.498
#1	28040.	7.408	-.3400	177.9	1.255	4498.
#2	27210.	4.679	.5269	172.6	1.004	4376.
#3	27300.	6.771	1.536	193.5	.9004	4393.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.033**	**21.81**	**45.79**	**37.73**	**74700.**	**2507.**
Stddev	.839	1.48	.93	.91	1313.	53.
%RSD	81.23	6.803	2.033	2.401	1.757	2.096
#1	-1.558	21.17	46.08	38.49	76110.	2559.
#2	-1.476	20.75	44.74	36.73	73510.	2509.
#3	-.0653	23.50	46.54	37.97	74490.	2454.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6579.**	**1067.**	**303.4**	**42.01**	**-7.668**	**-.1155**
Stddev	90.	19.	9.0	3.34	3.444	2.136
%RSD	1.372	1.755	2.976	7.951	44.92	1850.
#1	6672.	1087.	312.3	39.92	-7.050	.3795
#2	6492.	1051.	303.7	40.24	-11.38	-2.456
#3	6575.	1062.	294.2	45.86	-4.574	1.730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-6-a@4 Acquired: 8/21/2016 12:55:21 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1693**	**-.5971**	**88.38**	**114.0**	**5.490**	**.9253**
Stddev	4.242	1.427	.93	6.3	.995	.2483
%RSD	2506.	239.0	1.055	5.493	18.11	26.84
#1	4.709	-.1712	89.44	111.7	5.257	1.127
#2	-2.225	.5683	87.68	109.2	4.633	.6478
#3	-2.992	-2.188	88.02	121.1	6.580	1.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.355**	**21.36**	**1249.**	**629.1**
Stddev	.710	.32	22.	31.5
%RSD	21.15	1.486	1.767	5.000
#1	3.010	21.68	1272.	597.0
#2	2.885	21.34	1229.	630.6
#3	4.172	21.05	1245.	659.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.9**	**44673.**	**4470.5**
Stddev	156.7	611.	61.1
%RSD	3.8418	1.3671	1.3676
#1	4113.3	43991.	4400.4
#2	4215.4	45168.	4512.6
#3	3907.8	44861.	4498.6

Sample Name: 460-118923-c-7-a@4 Acquired: 8/21/2016 12:59:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62990.**	**15.67**	**.5990**	**211.0**	**1.601**	**2916.**
Stddev	819.	1.89	.3189	.5	.093	13.
%RSD	1.299	12.03	53.23	.2541	5.817	.4448
#1	62060.	15.17	.4936	210.7	1.671	2907.
#2	63600.	17.75	.3462	210.6	1.495	2911.
#3	63300.	14.08	.9573	211.6	1.637	2931.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.758**	**33.30**	**73.42**	**59.33**	**95220.**	**3078.**
Stddev	.152	.10	.72	.99	408.	78.
%RSD	8.659	.2922	.9872	1.671	.4286	2.543
#1	-1.649	33.41	73.14	58.22	94910.	2995.
#2	-1.932	33.22	74.25	59.64	95050.	3091.
#3	-1.694	33.29	72.89	60.13	95680.	3150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15500.**	**1082.**	**203.5**	**69.06**	**4.434**	**-1.573**
Stddev	211.	4.	13.4	.51	1.787	1.115
%RSD	1.363	.3335	6.604	.7331	40.31	70.87
#1	15280.	1079.	188.0	68.75	4.334	-2.572
#2	15530.	1081.	212.4	69.64	6.269	-1.776
#3	15700.	1086.	210.0	68.78	2.699	-.3705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-7-a@4 Acquired: 8/21/2016 12:59:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.663**	**.3168**	**109.1**	**216.6**	**5.781**	**2.382**
Stddev	2.955	.3509	1.7	.8	.380	.189
%RSD	80.68	110.8	1.564	.3620	6.571	7.933
#1	.3451	.0800	107.2	215.7	5.423	2.599
#2	4.632	.1504	109.5	216.9	6.179	2.282
#3	6.013	.7200	110.5	217.2	5.740	2.263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.161**	**28.10**	**1341.**	**1069.**
Stddev	1.059	.31	4.	25.
%RSD	25.44	1.112	.2723	2.302
#1	5.249	27.74	1338.	1071.
#2	3.135	28.31	1340.	1092.
#3	4.099	28.24	1345.	1043.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.0**	**43220.**	**4403.6**
Stddev	14.9	178.	35.0
%RSD	.36493	.41075	.79475
#1	4064.1	43114.	4440.3
#2	4076.2	43425.	4399.8
#3	4093.7	43121.	4370.6

Sample Name: 460-118923-c-8-a@4 Acquired: 8/21/2016 13:03:08 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25940.**	**7.625**	**.2323**	**152.5**	**.7131**	**4036.**
Stddev	428.	1.129	.5186	3.6	.1372	38.
%RSD	1.651	14.80	223.2	2.381	19.23	.9328
#1	26250.	6.687	-.1407	154.5	.6481	4044.
#2	26130.	7.310	.0132	154.6	.8707	4069.
#3	25460.	8.878	.8245	148.3	.6206	3995.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9031**	**23.62**	**41.74**	**49.18**	**64670.**	**1933.**
Stddev	.2338	.47	.96	1.30	763.	20.
%RSD	25.88	1.975	2.310	2.652	1.179	1.019
#1	-.6355	23.90	41.99	49.78	65020.	1955.
#2	-1.007	23.88	42.56	50.08	65200.	1927.
#3	-1.067	23.09	40.68	47.69	63800.	1917.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6334.**	**2378.**	**308.6**	**39.78**	F **-11.70**	**-1.417**
Stddev	83.	32.	4.0	.37	1.94	1.487
%RSD	1.315	1.344	1.302	.9308	16.54	104.9
#1	6328.	2398.	305.7	40.08	-10.31	.1584
#2	6419.	2395.	313.2	39.90	-13.91	-1.613
#3	6253.	2341.	307.0	39.37	-10.88	-2.796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118923-c-8-a@4 Acquired: 8/21/2016 13:03:08 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9089**	**.2872**	**91.74**	**93.15**	**3.711**	**1.225**
Stddev	2.373	2.295	1.32	1.24	.115	.154
%RSD	261.1	799.1	1.443	1.330	3.085	12.56
#1	.6787	1.306	92.45	93.34	3.793	1.132
#2	-3.637	1.896	92.55	94.29	3.759	1.140
#3	.2316	-2.341	90.21	91.83	3.580	1.403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.773**	**16.49**	**1980.**	**656.5**
Stddev	1.195	.22	30.	15.6
%RSD	67.43	1.320	1.523	2.378
#1	2.175	16.69	1998.	663.5
#2	2.715	16.52	1996.	667.3
#3	.4282	16.26	1945.	638.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4160.8**	**44679.**	**4574.2**
Stddev	47.6	335.	45.8
%RSD	1.1452	.75023	1.0015
#1	4127.6	44343.	4527.3
#2	4139.5	44681.	4576.4
#3	4215.4	45013.	4618.9

Sample Name: 460-118923-c-9-a@4 Acquired: 8/21/2016 13:07:02 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28430.**	**8.829**	**.7192**	**130.5**	**1.042**	**4487.**
Stddev	389.	.417	.4733	1.2	.190	22.
%RSD	1.368	4.720	65.81	.9365	18.25	.4966
#1	27980.	8.515	.1878	129.2	1.194	4506.
#2	28610.	8.670	1.096	130.5	.8288	4462.
#3	28700.	9.302	.8741	131.7	1.103	4493.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.247**	**24.89**	**51.06**	**43.82**	**70710.**	**2612.**
Stddev	.278	.19	.28	1.23	296.	41.
%RSD	22.27	.7624	.5484	2.800	.4182	1.565
#1	-1.511	24.76	50.74	42.47	70940.	2569.
#2	-.9577	24.81	51.27	44.87	70380.	2650.
#3	-1.272	25.11	51.16	44.11	70820.	2619.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7629.**	**1892.**	**289.5**	**40.57**	**-.5957**	**-1.506**
Stddev	24.	5.	17.3	.48	2.152	1.081
%RSD	.3185	.2890	5.958	1.174	361.2	71.78
#1	7602.	1894.	291.4	40.19	-.5374	-1.070
#2	7650.	1886.	305.7	41.11	1.526	-.7114
#3	7635.	1896.	271.3	40.41	-2.776	-2.737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-9-a@4 Acquired: 8/21/2016 13:07:02 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1500**	**-.1304**	**78.03**	**113.3**	**5.525**	**1.211**
Stddev	1.983	2.025	1.34	.3	.095	.233
%RSD	1322.	1553.	1.720	.2383	1.711	19.22
#1	1.522	-.0378	76.49	113.0	5.420	1.420
#2	-2.341	1.847	78.70	113.4	5.552	.9598
#3	.3688	-2.201	78.91	113.5	5.603	1.253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.681**	**26.07**	**1123.**	**711.6**
Stddev	.716	.40	5.	25.4
%RSD	19.46	1.534	.4850	3.572
#1	3.215	25.62	1117.	699.7
#2	3.322	26.21	1124.	694.3
#3	4.506	26.38	1128.	740.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4109.6**	**44353.**	**4484.9**
Stddev	28.6	526.	73.9
%RSD	.69608	1.1851	1.6470
#1	4078.5	43746.	4465.9
#2	4115.7	44658.	4422.3
#3	4134.8	44654.	4566.4

Sample Name: 460-118923-c-10-a@4 Acquired: 8/21/2016 13:10:55 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**57900.**	**16.26**	**.5818**	**188.6**	**1.714**	**2949.**
Stddev	631.	2.35	.5616	.5	.123	8.
%RSD	1.090	14.47	96.53	.2635	7.150	.2571
#1	57180.	14.82	-.0565	188.5	1.635	2942.
#2	58340.	18.98	.8016	189.2	1.652	2957.
#3	58180.	14.99	1.000	188.2	1.856	2948.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.563**	**40.95**	**63.49**	**55.59**	**90270.**	**3285.**
Stddev	.146	.31	.90	1.11	532.	57.
%RSD	9.329	.7514	1.420	2.004	.5896	1.746
#1	-1.468	40.80	63.01	55.06	89680.	3223.
#2	-1.731	41.30	62.93	54.85	90420.	3294.
#3	-1.491	40.74	64.53	56.87	90720.	3337.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11060.**	**579.2**	**160.4**	**76.09**	**5.119**	**-1.319**
Stddev	142.	3.3	6.2	.61	2.579	1.911
%RSD	1.282	.5783	3.847	.7992	50.38	144.9
#1	10930.	575.3	158.0	76.41	7.851	-.9503
#2	11040.	581.2	155.8	76.48	4.778	-3.388
#3	11210.	581.0	167.4	75.39	2.728	.3808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-10-a@4 Acquired: 8/21/2016 13:10:55 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.113**	**-2.413**	**106.2**	**153.7**	**6.048**	**2.900**
Stddev	2.236	2.159	1.7	1.2	.508	.232
%RSD	200.9	89.47	1.587	.7893	8.407	7.993
#1	3.370	-3.509	104.4	152.3	6.607	3.138
#2	-1.100	.0740	106.6	154.7	5.922	2.888
#3	1.069	-3.805	107.7	154.1	5.614	2.675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.407**	**22.53**	**1124.**	**855.7**
Stddev	.438	.38	3.	26.8
%RSD	12.86	1.674	.2706	3.129
#1	2.903	22.10	1120.	825.6
#2	3.622	22.78	1126.	876.8
#3	3.697	22.73	1125.	864.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4080.1**	**43357.**	**4400.1**
Stddev	4.4	169.	75.2
%RSD	.10825	.38901	1.7080
#1	4082.3	43551.	4321.5
#2	4075.1	43245.	4471.2
#3	4083.0	43275.	4407.7

Sample Name: 460-118923-c-11-a@4 Acquired: 8/21/2016 13:14:48 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40330.**	**7.949**	**-.0090**	**154.3**	**1.092**	**3985.**
Stddev	3510.	.160	1.008	2.7	.024	110.
%RSD	8.705	2.011	11210.	1.763	2.204	2.754
#1	39240.	8.035	.5324	153.8	1.084	4037.
#2	37490.	7.765	.6123	151.8	1.073	3859.
#3	44250.	8.048	-1.172	157.2	1.119	4059.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.302**	**23.52**	**44.33**	**40.39**	**68770.**	**3084.**
Stddev	.228	.19	1.26	2.12	2079.	282.
%RSD	17.54	.8080	2.832	5.260	3.024	9.147
#1	-1.544	23.56	44.80	40.59	69260.	2951.
#2	-1.090	23.32	42.90	38.17	66490.	2894.
#3	-1.272	23.69	45.28	42.40	70560.	3408.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8602.**	**536.8**	**197.4**	**40.01**	**-3.583**	**-.7388**
Stddev	312.	17.0	17.1	1.04	2.121	2.318
%RSD	3.626	3.169	8.658	2.600	59.19	313.8
#1	8608.	540.7	201.9	39.05	-6.005	-2.962
#2	8287.	518.1	178.5	39.86	-2.055	-.9190
#3	8911.	551.4	211.8	41.11	-2.690	1.664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-11-a@4 Acquired: 8/21/2016 13:14:48 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4595**	**.7902**	**75.42**	**109.1**	**7.433**	**1.155**
Stddev	1.701	2.277	3.16	1.4	.510	.277
%RSD	370.2	288.1	4.189	1.275	6.864	23.97
#1	1.134	1.278	75.54	108.8	7.764	.8354
#2	1.720	2.784	72.20	107.9	6.846	1.322
#3	-1.475	-1.691	78.51	110.6	7.690	1.307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.884**	**46.14**	**1006.**	**769.8**
Stddev	.630	4.17	35.	34.5
%RSD	16.22	9.042	3.441	4.478
#1	4.009	44.81	1008.	750.0
#2	4.442	42.80	969.9	749.8
#3	3.201	50.82	1039.	809.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4134.7**	**44261.**	**4339.0**
Stddev	26.1	872.	263.0
%RSD	.63038	1.9696	6.0607
#1	4125.8	43705.	4400.1
#2	4164.1	45266.	4566.0
#3	4114.3	43812.	4050.8

Sample Name: 460-118923-c-12-a@4 Acquired: 8/21/2016 13:18:42 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23510.**	**6.743**	**1.286**	**141.9**	**1.366**	**4493.**
Stddev	505.	2.035	.734	.9	.108	62.
%RSD	2.148	30.18	57.09	.6146	7.937	1.390
#1	22930.	7.518	1.600	141.7	1.327	4436.
#2	23800.	4.435	.4472	142.8	1.488	4482.
#3	23810.	8.277	1.812	141.1	1.281	4560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6186**	**17.77**	**40.50**	**36.96**	**55800.**	**2523.**
Stddev	.1482	.19	.20	.57	523.	69.
%RSD	23.95	1.096	.4951	1.532	.9375	2.746
#1	-.6358	17.75	40.47	36.75	55210.	2443.
#2	-.4626	17.58	40.71	37.60	55980.	2563.
#3	-.7574	17.97	40.31	36.52	56210.	2563.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5770.**	**493.5**	**406.0**	**32.33**	**.7645**	**.1782**
Stddev	65.	3.2	12.7	.34	2.381	.7304
%RSD	1.124	.6441	3.138	1.055	311.5	409.8
#1	5697.	490.0	414.6	32.30	-.2913	.3861
#2	5821.	494.1	412.1	32.00	3.491	.7822
#3	5793.	496.3	391.4	32.68	-.9065	-.6336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-12-a@4 Acquired: 8/21/2016 13:18:42 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.656**	**.8433**	**72.31**	**100.8**	**6.738**	**1.024**
Stddev	.599	2.013	.39	.1	.434	.080
%RSD	36.14	238.7	.5344	.0622	6.441	7.806
#1	1.660	3.087	72.07	100.7	6.594	1.071
#2	2.253	.2452	72.10	100.9	7.226	.9318
#3	1.056	-.8025	72.76	100.9	6.395	1.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.347**	**29.73**	**1041.**	**656.7**
Stddev	.496	.54	3.	11.9
%RSD	11.40	1.828	.2905	1.807
#1	3.890	29.12	1038.	657.1
#2	4.874	30.15	1044.	644.7
#3	4.276	29.94	1042.	668.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.1**	**43792.**	**4433.2**
Stddev	11.2	142.	61.8
%RSD	.27361	.32524	1.3940
#1	4086.7	43935.	4499.4
#2	4098.6	43791.	4423.0
#3	4109.1	43650.	4377.1

Sample Name: CCV Acquired: 8/21/2016 13:22:37 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122400.**	**2462.**	**1226.**	**10020.**	**1005.**	**123600.**
Stddev	459.	13.	6.	38.	4.	1566.
%RSD	.3752	.5253	.4779	.3812	.3955	1.266
#1	121900.	2448.	1228.	9981.	1001.	124300.
#2	122800.	2465.	1231.	10040.	1008.	124700.
#3	122600.	2473.	1220.	10050.	1008.	121800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1246.**	**2481.**	**5039.**	**12130.**	**99790.**	**48630.**
Stddev	4.	9.	37.	48.	760.	267.
%RSD	.3495	.3580	.7411	.3963	.7618	.5493
#1	1241.	2472.	5049.	12070.	100100.	48320.
#2	1250.	2484.	5071.	12140.	100300.	48810.
#3	1246.	2489.	4998.	12170.	98930.	48760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124100.**	**5082.**	**123400.**	**2523.**	**7519.**	**972.9**
Stddev	1022.	36.	226.	11.	14.	3.5
%RSD	.8238	.7154	.1830	.4388	.1801	.3616
#1	124400.	5096.	123300.	2511.	7504.	974.9
#2	124900.	5109.	123600.	2529.	7527.	968.9
#3	122900.	5040.	123200.	2530.	7528.	975.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 13:22:37 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2418.**	**2507.**	**2459.**	**2528.**	**984.2**	**2408.**
Stddev	14.	11.	15.	9.	8.4	15.
%RSD	.5995	.4583	.5954	.3384	.8585	.6296
#1	2402.	2501.	2463.	2532.	975.3	2391.
#2	2431.	2520.	2471.	2535.	992.0	2412.
#3	2422.	2500.	2443.	2519.	985.4	2420.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**986.9**	**5006.**	**10060.**	**9415.**
Stddev	4.9	33.	33.	122.
%RSD	.5014	.6565	.3319	1.292
#1	984.2	4971.	10030.	9341.
#2	992.6	5011.	10090.	9348.
#3	983.9	5036.	10040.	9555.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3783.7**	**40659.**	**4172.9**
Stddev	4.2	412.	43.3
%RSD	.11143	1.0126	1.0378
#1	3787.7	40394.	4140.8
#2	3779.3	40450.	4155.7
#3	3784.0	41133.	4222.1

Sample Name: CCB Acquired: 8/21/2016 13:26:14 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-18.45**	**1.879**	**.5531**	**-.1550**	**-.1046**	**-3.443**
Stddev	10.61	.786	.8037	.1722	.0637	2.128
%RSD	57.51	41.83	145.3	111.1	60.85	61.81
#1	-6.209	2.782	1.197	-.3263	-.1263	-5.889
#2	-24.14	1.497	.8104	.0180	-.1546	-2.423
#3	-25.02	1.356	-.3477	-.1568	-.0330	-2.017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0782**	**.0439**	**-.5200**	**-.2953**	**-7.739**	**24.67**
Stddev	.0801	.3273	.5455	.2142	8.650	8.26
%RSD	102.5	746.0	104.9	72.53	111.8	33.47
#1	-.0394	.2476	-.7900	-.2793	-7.890	22.73
#2	-.0248	.2177	.1078	-.0895	-16.31	33.72
#3	-.1703	-.3337	-.8778	-.5170	.9852	17.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.117**	**.0686**	**20.12**	**-.4895**	**2.822**	**.2077**
Stddev	3.540	.0760	13.93	.4654	2.572	1.679
%RSD	43.60	110.7	69.24	95.09	91.15	808.5
#1	-6.579	-.0178	35.16	.0382	4.383	1.967
#2	-12.17	.1248	17.55	-.8417	4.229	-1.378
#3	-5.607	.0988	7.653	-.6648	-.1470	.0334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 13:26:14 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0879**	**-.1970**	**.8607**	**.1507**	**2.180**	**.9220**
Stddev	1.521	2.593	.5447	.0941	1.059	.2609
%RSD	1731.	1316.	63.28	62.48	48.58	28.29
#1	.5282	-.3454	.7561	.0999	3.308	1.223
#2	1.340	2.467	1.450	.2593	2.025	.7722
#3	-1.605	-2.713	.3759	.0928	1.207	.7706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3629**	**.0505**	**.3649**	**-2.384**
Stddev	.1211	.1111	.0781	15.83
%RSD	33.38	220.2	21.40	664.2
#1	-.4854	.1701	.4526	15.90
#2	-.2432	.0307	.3395	-11.64
#3	-.3602	-.0495	.3027	-11.40
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.6**	**43045.**	**4316.4**
Stddev	10.5	357.	55.4
%RSD	.25921	.82829	1.2833
#1	4033.6	43329.	4253.7
#2	4033.4	43162.	4336.7
#3	4051.7	42645.	4358.7

Sample Name: CCVL Acquired: 8/21/2016 13:30:16 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**183.2**	**15.15**	**8.561**	**193.6**	**1.974**	**4559.**
Stddev	10.9	.43	.320	.4	.016	30.
%RSD	5.959	2.870	3.736	.1877	.7873	.6618
#1	195.8	15.47	8.252	193.4	1.972	4567.
#2	176.9	15.33	8.890	193.4	1.959	4585.
#3	176.9	14.66	8.540	194.0	1.990	4526.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.969**	**48.71**	**9.613**	**22.12**	**150.6**	**4286.**
Stddev	.163	.17	.355	.44	11.3	36.
%RSD	4.116	.3509	3.692	1.989	7.494	.8394
#1	4.060	48.52	10.02	21.66	137.6	4321.
#2	4.067	48.77	9.364	22.19	155.8	4249.
#3	3.780	48.85	9.455	22.53	158.3	4289.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4506.**	**15.01**	**4357.**	**39.85**	**11.05**	**17.44**
Stddev	18.	.05	27.	.72	.64	.80
%RSD	.3903	.3611	.6269	1.801	5.833	4.598
#1	4485.	14.97	4379.	39.57	10.75	17.28
#2	4518.	14.98	4326.	39.31	10.61	16.74
#3	4513.	15.07	4366.	40.66	11.79	18.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 13:30:16 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.42**	**20.72**	**46.94**	**30.67**	**45.15**	**18.44**
Stddev	1.20	.59	.57	.41	.27	.42
%RSD	7.801	2.846	1.209	1.339	.6071	2.265
#1	16.59	20.04	46.49	30.36	45.41	18.00
#2	14.19	21.11	46.75	31.14	45.19	18.83
#3	15.50	21.01	47.58	30.52	44.86	18.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**46.52**	**19.01**	**19.57**	F **.8027**
Stddev	1.09	.09	.09	11.80
%RSD	2.339	.4685	.4696	1469.
#1	45.61	19.10	19.68	-6.979
#2	46.22	18.92	19.51	-4.988
#3	47.72	19.01	19.52	14.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.9**	**42828.**	**4251.8**
Stddev	15.7	286.	101.4
%RSD	.38895	.66694	2.3854
#1	4035.9	42997.	4140.6
#2	4029.6	42498.	4339.3
#3	4006.2	42988.	4275.4

Sample Name: mb 460-385944/1-a Acquired: 8/21/2016 13:34:16 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.07**	**1.677**	**.7935**	**-.2331**	**-.1065**	**7.410**
Stddev	8.67	.469	.1351	.2135	.0476	9.318
%RSD	78.35	27.98	17.03	91.58	44.69	125.7
#1	1.549	1.219	.9169	-.0171	-.1060	17.00
#2	18.52	2.156	.8144	-.4439	-.1543	-1.612
#3	13.14	1.657	.6491	-.2382	-.0591	6.845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0078**	**-.0027**	**-.1932**	**-.5009**	**-3.202**	**1.216**
Stddev	.1001	.0960	.1573	.3584	13.61	24.05
%RSD	1290.	3498.	81.44	71.55	425.2	1978.
#1	.0905	-.0776	-.3298	-.4556	12.52	-23.27
#2	-.0040	.1055	-.2284	-.8799	-10.95	2.095
#3	-.1097	-.0362	-.0212	-.1674	-11.17	24.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.509**	**.0519**	**9.707**	**-.2138**	**-1.859**	**.3937**
Stddev	2.717	.1597	16.05	.6297	1.286	.4404
%RSD	36.18	307.8	165.4	294.6	69.18	111.8
#1	-8.510	.1947	20.10	-.9104	-3.131	-.0634
#2	-4.434	-.1205	-8.782	-.0459	-.5593	.8152
#3	-9.584	.0814	17.80	.3150	-1.887	.4294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385944/1-a Acquired: 8/21/2016 13:34:16 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.269**	**.2198**	**.3236**	**-.1294**	**.5625**	**.0420**
Stddev	2.738	2.245	.2385	.0583	.2994	.2276
%RSD	120.7	1021.	73.71	45.05	53.23	541.8
#1	-3.557	-.0478	.5783	-.1362	.3119	-.1685
#2	.8759	-1.879	.1055	-.0680	.8941	.2836
#3	-4.125	2.587	.2870	-.1840	.4815	.0109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2129**	**-.0528**	**-.0130**	**4.471**
Stddev	.2794	.1091	.2024	4.898
%RSD	131.2	206.5	1559.	109.6
#1	.2025	.0731	.2183	2.844
#2	-.0611	-.1188	-.0993	.5933
#3	.4974	-.1129	-.1579	9.975
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4015.9**	**43190.**	**4274.6**
Stddev	5.0	369.	99.4
%RSD	.12328	.85391	2.3257
#1	4021.6	43376.	4248.4
#2	4014.0	43428.	4384.5
#3	4012.3	42765.	4190.9

Sample Name: lcs 460-385944/2-a@2 Acquired: 8/21/2016 13:38:17 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2565.**	**2524.**	**246.6**	**5441.**	**542.8**	**10310.**
Stddev	13.	4.	1.1	9.	2.6	36.
%RSD	.4903	.1749	.4467	.1735	.4841	.3467
#1	2574.	2528.	245.6	5436.	545.4	10280.
#2	2550.	2519.	246.5	5434.	540.1	10350.
#3	2569.	2526.	247.8	5452.	543.0	10320.
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**561.4**	**568.6**	**2669.**	**512.1**	**534.1**	**9872.**
Stddev	1.0	1.9	3.	.2	12.6	11.
%RSD	.1852	.3354	.1004	.0393	2.364	.1117
#1	560.6	566.7	2666.	511.9	540.7	9869.
#2	560.9	568.6	2672.	512.3	542.1	9863.
#3	562.6	570.5	2669.	512.0	519.5	9884.
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10360.**	**568.0**	**9986.**	**580.0**	**2781.**	**480.7**
Stddev	39.	.4	47.	1.8	8.	.6
%RSD	.3800	.0688	.4680	.3137	.2798	.1297
#1	10330.	567.6	10030.	578.6	2785.	480.1
#2	10410.	568.3	9934.	579.5	2773.	481.4
#3	10340.	568.2	9998.	582.1	2787.	480.6
Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: lcs 460-385944/2-a@2 Acquired: 8/21/2016 13:38:17 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**516.1**	**585.9**	**256.0**	**593.2**	**512.9**	**517.9**
Stddev	4.1	7.3	.8	2.1	1.4	2.3
%RSD	.7987	1.245	.3062	.3487	.2694	.4408
#1	512.5	577.8	255.3	590.9	511.3	515.5
#2	515.2	588.2	255.8	593.6	513.9	518.2
#3	520.6	591.8	256.8	595.0	513.6	520.0
Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**541.7**	**536.1**	**528.9**	**51.32**
Stddev	1.9	3.3	1.0	3.38
%RSD	.3578	.6166	.1969	6.593
#1	541.2	538.6	529.3	51.08
#2	540.0	532.3	527.7	48.06
#3	543.8	537.3	529.6	54.82
Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3970.9**	**42523.**	**4238.9**
Stddev	4.9	154.	36.9
%RSD	.12251	.36132	.87167
#1	3976.0	42633.	4244.8
#2	3970.3	42348.	4272.5
#3	3966.3	42590.	4199.4

Sample Name: pds 460-118696-b-1-g Acquired: 8/21/2016 13:41:57 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1986.**	**2043.**	**50.07**	**2151.**	**51.87**	**26740.**
Stddev	13.	7.	.37	1.	.08	232.
%RSD	.6757	.3570	.7345	.0669	.1556	.8681
#1	1999.	2051.	49.97	2152.	51.83	26740.
#2	1972.	2041.	49.76	2150.	51.97	26520.
#3	1985.	2037.	50.48	2149.	51.83	26980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.83**	**518.6**	**212.1**	**255.5**	**1095.**	**21450.**
Stddev	.21	2.9	3.5	2.1	6.	245.
%RSD	.4038	.5502	1.662	.8056	.5047	1.140
#1	53.01	520.2	209.4	253.5	1095.	21690.
#2	52.59	515.3	210.9	257.6	1090.	21200.
#3	52.89	520.3	216.1	255.4	1101.	21470.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24500.**	**3068.**	F **314800.**	**557.4**	**1859.**	**467.0**
Stddev	114.	13.	4613.	2.8	9.	2.5
%RSD	.4632	.4378	1.465	.5046	.4670	.5447
#1	24550.	3069.	319900.	558.5	1861.	467.6
#2	24380.	3054.	310800.	554.2	1850.	464.2
#3	24590.	3081.	313800.	559.4	1867.	469.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-118696-b-1-g Acquired: 8/21/2016 13:41:57 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2036.**	**2029.**	**508.2**	**582.6**	**562.9**	**497.9**
Stddev	9.	9.	7.2	4.2	1.3	.8
%RSD	.4391	.4448	1.419	.7172	.2302	.1630
#1	2032.	2039.	500.3	578.2	561.4	497.4
#2	2046.	2021.	509.8	583.0	563.5	497.3
#3	2030.	2028.	514.4	586.6	563.8	498.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**517.7**	**598.4**	**512.3**	**548.6**
Stddev	2.8	3.4	.9	13.2
%RSD	.5458	.5759	.1780	2.408
#1	514.5	602.0	513.4	561.0
#2	518.5	595.2	512.0	534.7
#3	520.0	597.9	511.7	550.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3795.4**	**41003.**	**4300.5**
Stddev	6.7	286.	92.6
%RSD	.17565	.69779	2.1542
#1	3800.8	41119.	4249.5
#2	3797.5	41213.	4407.5
#3	3787.9	40677.	4244.7

Sample Name: 460-118696-b-1-i ms Acquired: 8/21/2016 13:45:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1048.**	**1054.**	**100.8**	**2213.**	**217.1**	**11670.**
Stddev	9.	1.	1.0	2.	.3	40.
%RSD	.8930	.0955	.9929	.0938	.1568	.3461
#1	1055.	1055.	99.61	2213.	216.8	11620.
#2	1037.	1053.	101.5	2212.	217.1	11690.
#3	1051.	1054.	101.2	2216.	217.4	11700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**224.7**	**228.5**	**1073.**	**217.9**	**286.4**	**6090.**
Stddev	.4	.5	3.	.3	3.4	26.
%RSD	.1974	.2069	.3254	.1432	1.171	.4261
#1	224.9	228.0	1069.	217.5	289.5	6078.
#2	224.2	228.5	1075.	218.0	282.8	6073.
#3	224.9	229.0	1075.	218.1	286.9	6120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9482.**	**2782.**	F **294400.**	**262.0**	**2426.**	**196.0**
Stddev	79.	7.	4474.	1.3	7.	.8
%RSD	.8360	.2665	1.520	.5141	.2681	.4068
#1	9391.	2773.	299600.	261.1	2420.	196.9
#2	9536.	2787.	291800.	261.3	2424.	195.4
#3	9518.	2785.	291900.	263.5	2433.	195.8
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118696-b-1-i ms Acquired: 8/21/2016 13:45:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**215.7**	**218.7**	**99.68**	**273.8**	**263.7**	**205.1**
Stddev	3.3	3.0	.15	.8	1.8	.5
%RSD	1.515	1.382	.1515	.3047	.6644	.2446
#1	217.8	215.6	99.66	273.7	261.8	205.4
#2	212.0	218.9	99.54	273.0	264.2	204.5
#3	217.4	221.6	99.84	274.7	265.3	205.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**212.4**	**301.7**	**216.9**	**505.7**
Stddev	.7	3.2	2.1	8.8
%RSD	.3266	1.070	.9634	1.747
#1	211.6	305.4	214.6	514.0
#2	212.6	299.3	218.6	506.7
#3	213.0	300.5	217.7	496.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3808.7**	**40871.**	**4225.7**
Stddev	4.5	135.	50.4
%RSD	.11772	.32993	1.1924
#1	3809.9	40998.	4169.2
#2	3812.4	40887.	4265.8
#3	3803.7	40729.	4242.3

Sample Name: 460-118696-b-1-h du Acquired: 8/21/2016 13:49:28 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.32**	**1.813**	**.8293**	**74.40**	**-.0057**	**7672.**
Stddev	10.59	1.800	.6642	.23	.1014	34.
%RSD	41.84	99.26	80.10	.3087	1791.	.4464
#1	37.51	-.2479	.0744	74.14	-.0501	7691.
#2	18.41	2.614	1.089	74.58	.1104	7694.
#3	20.03	3.074	1.324	74.48	-.0773	7633.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7989**	**4.175**	**.0514**	**5.949**	**72.46**	**2020.**
Stddev	.0894	.227	.3912	.618	8.57	8.
%RSD	11.20	5.431	760.9	10.39	11.83	.3831
#1	.7619	3.965	-.3154	5.455	75.12	2014.
#2	.7339	4.415	.0064	5.750	62.88	2017.
#3	.9010	4.143	.4632	6.642	79.38	2029.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5509.**	**2618.**	F **295300.**	**35.22**	**1372.**	**-.2085**
Stddev	57.	6.	2589.	.92	10.	.5644
%RSD	1.036	.2227	.8766	2.624	.7604	270.7
#1	5499.	2620.	298300.	36.21	1361.	.1773
#2	5570.	2623.	293900.	35.06	1381.	.0534
#3	5458.	2612.	293700.	34.38	1376.	-.8563
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118696-b-1-h du Acquired: 8/21/2016 13:49:28 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.157**	**1.589**	**-3.880**	**35.03**	**57.46**	**.6161**
Stddev	1.897	1.521	.395	.12	.30	.6834
%RSD	60.07	95.72	10.18	.3301	.5286	110.9
#1	1.687	3.265	-4.265	34.95	57.19	.3586
#2	5.298	.2969	-3.476	35.16	57.79	.0988
#3	2.487	1.205	-3.899	34.98	57.40	1.391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4773**	**96.76**	**.6139**	**508.1**
Stddev	.6698	.06	.0253	11.8
%RSD	140.3	.0582	4.121	2.328
#1	.7172	96.77	.6422	495.3
#2	.9942	96.81	.6060	510.2
#3	-.2793	96.70	.5934	518.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3821.6**	**40975.**	**4216.2**
Stddev	3.3	237.	45.4
%RSD	.08664	.57897	1.0775
#1	3824.4	40750.	4166.3
#2	3822.6	40951.	4255.2
#3	3818.0	41223.	4227.0

Sample Name: 460-118696-b-1-g@5 Acquired: 8/21/2016 13:53:24 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.94**	**2.844**	**1.066**	**73.63**	**-.0524**	**7623.**
Stddev	14.83	1.488	.579	.55	.0729	65.
%RSD	57.17	52.31	54.26	.7458	139.2	.8571
#1	33.93	1.281	.9682	73.42	.0190	7564.
#2	35.06	4.243	1.688	73.21	-.1267	7614.
#3	8.830	3.007	.5429	74.25	-.0494	7693.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7174**	**4.156**	**.0734**	**6.045**	**80.71**	**1977.**
Stddev	.1520	.151	.5959	.375	12.84	33.
%RSD	21.18	3.629	812.4	6.211	15.90	1.648
#1	.8126	4.082	.5514	5.631	74.49	1968.
#2	.5422	4.057	.2629	6.364	72.16	1950.
#3	.7975	4.330	-.5943	6.138	95.47	2013.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5469.**	**2594.**	F **290400.**	**34.26**	**1350.**	**-.2040**
Stddev	62.	11.	3806.	.47	4.	1.558
%RSD	1.129	.4227	1.311	1.366	.2865	763.9
#1	5398.	2582.	294700.	34.45	1346.	1.550
#2	5503.	2596.	288600.	34.60	1354.	-.7311
#3	5507.	2604.	287700.	33.73	1350.	-1.430
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118696-b-1-g@5 Acquired: 8/21/2016 13:53:24 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.290**	**-1.152**	**-4.136**	**33.01**	**56.64**	**.4536**
Stddev	2.305	2.630	.965	.53	.51	.2875
%RSD	178.7	228.3	23.32	1.604	.8923	63.38
#1	-3.884	1.409	-4.965	32.71	56.10	.3680
#2	.5248	-1.018	-3.077	32.71	57.11	.7743
#3	-.5104	-3.846	-4.365	33.63	56.72	.2187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3266**	**94.33**	**.5070**	**502.6**
Stddev	.3705	.37	.1592	7.9
%RSD	113.5	.3885	31.40	1.573
#1	-.4975	94.75	.4205	499.6
#2	.0985	94.19	.6908	496.6
#3	-.5807	94.05	.4098	511.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3826.5**	**40899.**	**4263.0**
Stddev	7.3	24.	43.1
%RSD	.19147	.05747	1.0119
#1	3818.1	40876.	4213.7
#2	3831.5	40923.	4281.6
#3	3829.8	40898.	4293.7

Sample Name: sd 460-118696-b-1-g Acquired: 8/21/2016 13:57:21 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.109**	**1.237**	**.7374**	**14.55**	**-.0342**	**1504.**
Stddev	9.411	.508	.3902	.25	.2300	4.
%RSD	184.2	41.05	52.91	1.689	672.6	.2799
#1	6.888	1.528	.3956	14.27	.1320	1508.
#2	13.50	1.534	1.163	14.72	-.2966	1500.
#3	-5.065	.6509	.6541	14.66	.0620	1503.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1443**	**.8425**	**-.9074**	**.7447**	**14.72**	**408.3**
Stddev	.1164	.1535	.5365	.2182	16.13	38.3
%RSD	80.70	18.22	59.13	29.31	109.6	9.385
#1	.2770	.7814	-1.518	.5012	1.700	450.1
#2	.0963	.7290	-.6900	.8102	9.699	399.9
#3	.0595	1.017	-.5136	.9226	32.77	374.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1090.**	**517.1**	**59680.**	**6.433**	**276.0**	**-.3443**
Stddev	7.	1.7	422.	.443	2.2	2.192
%RSD	.6420	.3206	.7069	6.891	.7855	636.8
#1	1093.	518.8	60170.	6.327	275.1	-2.875
#2	1082.	515.5	59420.	6.919	274.4	.9856
#3	1095.	517.1	59450.	6.051	278.5	.8562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118696-b-1-g Acquired: 8/21/2016 13:57:21 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.093**	**-.4108**	**-.2244**	**7.403**	**11.32**	**-.0397**
Stddev	2.718	.9799	.2707	.110	.30	.0337
%RSD	129.9	238.5	120.7	1.479	2.627	84.98
#1	1.039	-.7035	-.1692	7.358	11.24	-.0714
#2	-3.838	-1.211	.0145	7.528	11.65	-.0433
#3	-3.478	.6820	-.5185	7.324	11.08	-.0043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1395**	**18.86**	**.0739**	**85.38**
Stddev	.4718	.02	.0466	17.03
%RSD	338.3	.1000	63.04	19.94
#1	-.4556	18.85	.0698	70.02
#2	.4029	18.88	.0295	103.7
#3	-.3657	18.86	.1224	82.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3969.9**	**42702.**	**4329.9**
Stddev	.8	159.	90.3
%RSD	.01947	.37315	2.0860
#1	3969.1	42539.	4227.1
#2	3970.1	42857.	4396.4
#3	3970.6	42709.	4366.2

Sample Name: 460-118693-c-1-g@5 Acquired: 8/21/2016 14:01:21 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**159.3**	**3.789**	**.1690**	**95.20**	**.0087**	**3384.**
Stddev	8.2	3.027	.0880	.77	.1247	66.
%RSD	5.119	79.87	52.08	.8119	1436.	1.955
#1	153.8	1.407	.0675	95.29	.1480	3340.
#2	155.5	2.766	.2150	94.39	-.0297	3460.
#3	168.7	7.195	.2245	95.92	-.0923	3353.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2713**	**.7724**	**.8212**	**8.000**	**449.9**	**419.3**
Stddev	.1093	.2959	.6875	.825	9.3	49.9
%RSD	40.29	38.31	83.72	10.32	2.076	11.91
#1	.3066	.7743	.0319	8.000	441.6	368.9
#2	.1487	1.067	1.142	7.175	448.1	420.4
#3	.3586	.4755	1.289	8.825	460.0	468.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**504.1**	**87.87**	F **265200.**	**9.365**	**72.74**	**.8203**
Stddev	4.7	.61	4392.	.214	.42	1.007
%RSD	.9242	.6993	1.656	2.289	.5801	122.7
#1	501.2	87.22	270300.	9.123	72.82	1.535
#2	509.4	88.44	262200.	9.531	72.28	-.3309
#3	501.6	87.96	263200.	9.441	73.12	1.256
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118693-c-1-g@5 Acquired: 8/21/2016 14:01:21 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.577**	**.9079**	**1.114**	**945.9**	**20.64**	**.1518**
Stddev	2.395	4.340	.415	8.5	.18	.1948
%RSD	151.9	478.0	37.30	.8967	.8681	128.4
#1	-3.505	-3.579	.9339	955.7	20.68	.1816
#2	-2.329	5.085	.8189	941.6	20.45	-.0562
#3	1.104	1.218	1.589	940.5	20.80	.3300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.7486**	**15.35**	**.4550**	**420.1**
Stddev	.5204	.13	.0601	7.9
%RSD	69.52	.8680	13.21	1.891
#1	-.5135	15.49	.4242	414.2
#2	-.3873	15.34	.5243	429.1
#3	-1.345	15.23	.4165	417.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3845.4**	**40841.**	**4219.4**
Stddev	10.2	665.	44.6
%RSD	.26543	1.6294	1.0561
#1	3843.6	41401.	4252.3
#2	3856.5	40105.	4168.7
#3	3836.3	41017.	4237.3

Sample Name: 460-118698-b-1-b@5 Acquired: 8/21/2016 14:05:19 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**101.7**	**3.043**	**.3906**	**104.7**	**.2093**	**12940.**
Stddev	9.9	1.227	.2177	.2	.1775	229.
%RSD	9.767	40.34	55.74	.2331	84.82	1.768
#1	109.8	2.002	.3488	104.5	.3761	13210.
#2	104.8	4.397	.1967	104.9	.2292	12820.
#3	90.62	2.730	.6261	104.6	.0227	12800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6922**	**5.916**	**5.554**	**12.41**	**2046.**	**1817.**
Stddev	.1086	.308	.607	1.02	28.	18.
%RSD	15.69	5.207	10.93	8.259	1.351	.9868
#1	.6825	5.601	6.221	11.29	2072.	1835.
#2	.5887	5.931	5.034	12.63	2017.	1799.
#3	.8053	6.217	5.406	13.30	2050.	1819.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5530.**	**329.7**	F **276300.**	**27.94**	**83.65**	**-.5621**
Stddev	34.	3.9	5551.	.28	3.57	.3233
%RSD	.6077	1.178	2.009	1.004	4.267	57.51
#1	5566.	334.0	282100.	27.74	80.30	-.9095
#2	5524.	326.6	275700.	28.26	87.41	-.2701
#3	5500.	328.5	271000.	27.83	83.25	-.5068
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118698-b-1-b@5 Acquired: 8/21/2016 14:05:19 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.350**	**-.1428**	**.4364**	**295.6**	**31.74**	**.3382**
Stddev	3.092	1.860	.6150	1.0	.13	.2213
%RSD	131.6	1303.	140.9	.3422	.4012	65.44
#1	.4730	-1.513	1.107	295.6	31.60	.4977
#2	-5.654	1.974	.3029	294.6	31.80	.4312
#3	-1.868	-.8898	-.1008	296.6	31.83	.0855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0180**	**79.78**	**2.562**	**2792.**
Stddev	.4604	.18	.006	99.
%RSD	2560.	.2260	.2555	3.549
#1	-.5004	79.59	2.569	2701.
#2	.3793	79.78	2.557	2776.
#3	.1751	79.95	2.560	2898.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3831.1**	**40929.**	**4177.1**
Stddev	15.5	876.	206.7
%RSD	.40387	2.1408	4.9484
#1	3813.3	39918.	3984.1
#2	3841.5	41423.	4152.1
#3	3838.5	41448.	4395.2

Sample Name: 460-118794-c-2-g@5 Acquired: 8/21/2016 14:09:17 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62.38**	**2.720**	**.5022**	**78.46**	**.0945**	**13710.**
Stddev	17.79	1.469	.5053	.54	.2459	486.
%RSD	28.52	54.02	100.6	.6829	260.2	3.542
#1	70.23	2.128	.9997	77.84	.3628	13330.
#2	74.89	1.639	-.0104	78.69	.0408	13540.
#3	42.01	4.393	.5173	78.84	-.1201	14260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2642**	**1.615**	**-.5201**	**14.11**	**33.42**	**743.4**
Stddev	.1138	.213	.6977	1.28	10.61	16.2
%RSD	43.09	13.20	134.1	9.085	31.74	2.178
#1	.3955	1.755	-1.325	13.20	27.47	731.1
#2	.1936	1.369	-.1392	13.55	27.12	737.3
#3	.2035	1.719	-.0957	15.57	45.66	761.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3438.**	**252.5**	F **270700.**	**2.833**	**21.97**	**.5956**
Stddev	195.	13.8	7764.	.172	1.35	.7915
%RSD	5.674	5.468	2.869	6.054	6.125	132.9
#1	3287.	242.3	267400.	2.721	23.30	.4229
#2	3369.	247.1	265100.	2.748	22.02	1.459
#3	3659.	268.2	279500.	3.031	20.61	-.0954
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118794-c-2-g@5 Acquired: 8/21/2016 14:09:17 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5356**	**-.9110**	**.7900**	**26.32**	**52.23**	**.4134**
Stddev	3.614	1.797	.5270	.30	1.22	.3346
%RSD	674.7	197.2	66.71	1.142	2.340	80.94
#1	1.391	-.6478	.6470	26.02	50.96	.0350
#2	-4.704	.7394	.3492	26.62	52.31	.5350
#3	1.707	-2.825	1.374	26.32	53.40	.6701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2076**	**57.15**	**1.549**	**565.3**
Stddev	.4697	2.40	.033	24.1
%RSD	226.2	4.200	2.104	4.257
#1	.3266	55.54	1.577	544.4
#2	-.3940	55.99	1.514	559.9
#3	-.5555	59.91	1.557	591.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3831.2**	**39964.**	**4134.0**
Stddev	18.6	1277.	88.8
%RSD	.48580	3.1963	2.1482
#1	3852.4	40834.	4153.0
#2	3823.7	40559.	4211.7
#3	3817.5	38497.	4037.2

Sample Name: CCV Acquired: 8/21/2016 14:13:17 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124200.**	**2448.**	**1224.**	**10010.**	**1021.**	**124900.**
Stddev	680.	26.	6.	46.	4.	2357.
%RSD	.5475	1.053	.4537	.4596	.4051	1.887
#1	124400.	2419.	1230.	9964.	1021.	127500.
#2	124800.	2458.	1222.	10050.	1025.	124500.
#3	123500.	2468.	1219.	10030.	1016.	122800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1248.**	**2473.**	**5083.**	**12000.**	**100600.**	**49160.**
Stddev	4.	12.	64.	98.	1258.	180.
%RSD	.3006	.5053	1.254	.8165	1.251	.3650
#1	1244.	2459.	5152.	11920.	101900.	49130.
#2	1252.	2483.	5069.	11980.	100400.	49360.
#3	1248.	2476.	5027.	12110.	99400.	49000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124600.**	**5110.**	**122500.**	**2517.**	**7514.**	**964.4**
Stddev	1441.	58.	430.	9.	27.	13.2
%RSD	1.157	1.128	.3508	.3469	.3650	1.369
#1	126100.	5175.	122400.	2508.	7501.	949.7
#2	124500.	5094.	123000.	2526.	7546.	967.9
#3	123200.	5063.	122200.	2516.	7496.	975.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 14:13:17 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2398.**	**2496.**	**2459.**	**2564.**	**970.9**	**2394.**
Stddev	15.	11.	18.	22.	7.0	18.
%RSD	.6415	.4216	.7260	.8578	.7202	.7518
#1	2391.	2499.	2479.	2577.	965.1	2373.
#2	2388.	2505.	2450.	2576.	968.8	2403.
#3	2416.	2485.	2447.	2539.	978.7	2406.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**989.0**	**5053.**	**10070.**	**9138.**
Stddev	2.1	34.	45.	317.
%RSD	.2161	.6639	.4463	3.473
#1	991.1	5015.	10120.	8788.
#2	989.3	5077.	10040.	9218.
#3	986.8	5067.	10050.	9408.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3746.6**	**39958.**	**3949.0**
Stddev	15.0	805.	181.4
%RSD	.39905	2.0158	4.5940
#1	3732.9	39132.	3770.5
#2	3744.4	40000.	3943.2
#3	3762.5	40741.	4133.2

Sample Name: CCB Acquired: 8/21/2016 14:16:52 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.273**	**1.687**	**-.0072**	**.6361**	**-.0410**	**7.142**
Stddev	9.626	.775	.5748	.0046	.1494	.372
%RSD	132.3	45.93	7943.	.7219	364.0	5.202
#1	14.97	2.577	.6456	.6380	.0078	6.727
#2	10.37	1.328	-.2301	.6309	-.2088	7.252
#3	-3.521	1.157	-.4372	.6395	.0779	7.445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1091**	**.3344**	**.1543**	**.9653**	**9.519**	**-3.136**
Stddev	.1694	.0915	.3994	.4592	15.67	26.55
%RSD	155.3	27.36	258.8	47.57	164.7	846.7
#1	.3024	.4304	.3602	.7546	27.33	-17.77
#2	-.0134	.2482	.4088	1.492	-2.191	-19.15
#3	.0382	.3246	-.3060	.6494	3.422	27.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.709**	**.5371**	**164.7**	**-.6346**	**1.339**	**.4785**
Stddev	4.987	.1565	36.9	.3672	1.014	1.293
%RSD	291.7	29.14	22.39	57.87	75.67	270.2
#1	1.221	.6868	205.0	-.4143	2.459	-.7738
#2	-3.015	.5500	156.4	-.4311	1.075	1.808
#3	6.922	.3746	132.6	-1.059	.4846	.4010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 14:16:52 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.248**	**-.4930**	**.6687**	**.1783**	**2.532**	**1.180**
Stddev	2.573	.8821	.6013	.0990	.614	.356
%RSD	114.4	178.9	89.93	55.53	24.25	30.15
#1	-3.263	.2425	.8419	.2707	3.225	1.569
#2	-4.160	-1.471	1.164	.1903	2.317	1.097
#3	.6771	-.2505	-.0002	.0738	2.054	.8728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0336**	**.3803**	**1.343**	**-1.152**
Stddev	.2162	.1238	.109	9.301
%RSD	642.8	32.56	8.146	807.2
#1	-.0867	.5231	1.375	7.399
#2	-.2184	.3027	1.432	.2001
#3	.2042	.3151	1.221	-11.06
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4007.1**	**42356.**	**4177.0**
Stddev	7.3	252.	197.6
%RSD	.18163	.59508	4.7296
#1	3999.8	42116.	3949.0
#2	4014.4	42333.	4283.1
#3	4007.2	42618.	4298.8

Sample Name: CCVL Acquired: 8/21/2016 14:20:53 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**185.6**	**15.83**	**9.441**	**193.2**	**1.970**	**4502.**
Stddev	21.8	.33	.309	.6	.107	120.
%RSD	11.76	2.069	3.271	.3064	5.416	2.661
#1	177.0	15.65	9.721	193.9	2.090	4638.
#2	210.4	15.62	9.110	192.8	1.886	4410.
#3	169.3	16.21	9.492	193.0	1.935	4459.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.952**	**48.32**	**8.614**	**21.57**	**145.3**	**4350.**
Stddev	.186	.05	.216	.73	8.8	14.
%RSD	4.708	.1033	2.509	3.396	6.062	.3307
#1	3.999	48.38	8.584	22.07	154.0	4367.
#2	3.746	48.29	8.414	20.73	145.5	4341.
#3	4.109	48.29	8.844	21.91	136.4	4343.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4459.**	**14.83**	**4413.**	**40.05**	**10.56**	**16.30**
Stddev	78.	.42	31.	.47	.43	1.73
%RSD	1.758	2.825	.7112	1.163	4.046	10.61
#1	4530.	15.26	4378.	40.48	10.82	15.11
#2	4375.	14.43	4438.	40.12	10.06	18.28
#3	4474.	14.80	4424.	39.55	10.78	15.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 14:20:53 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **13.70**	**19.73**	**47.05**	**30.88**	**44.64**	**18.39**
Stddev	1.38	1.46	1.38	.32	.63	.33
%RSD	10.04	7.391	2.932	1.047	1.416	1.792
#1	13.58	19.25	48.49	31.22	44.00	18.66
#2	15.14	18.56	45.75	30.83	44.67	18.03
#3	12.40	21.36	46.90	30.58	45.26	18.49
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	20.00					
Range	-30.50%					

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.07**	**19.04**	**19.33**	F **-.2847**
Stddev	.46	.41	.30	12.13
%RSD	.9745	2.132	1.548	4260.
#1	47.16	18.73	19.66	-14.11
#2	47.48	19.50	19.08	4.716
#3	46.58	18.90	19.24	8.543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4021.6**	**42956.**	**4226.8**
Stddev	18.2	1101.	258.8
%RSD	.45275	2.5618	6.1230
#1	4000.7	41691.	3928.1
#2	4029.7	43690.	4369.3
#3	4034.3	43488.	4383.1

Sample Name: CCV Acquired: 8/21/2016 14:26:09 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123300.**	**2442.**	**1217.**	**9974.**	**1010.**	**123800.**
Stddev	775.	8.	13.	23.	5.	2401.
%RSD	.6290	.3420	1.087	.2303	.4939	1.940
#1	123300.	2448.	1208.	9959.	1012.	121500.
#2	122500.	2446.	1212.	9962.	1004.	123500.
#3	124100.	2433.	1233.	10000.	1013.	126300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1243.**	**2469.**	**5035.**	**12000.**	**99830.**	**48850.**
Stddev	4.	3.	94.	105.	1654.	213.
%RSD	.3142	.1303	1.864	.8718	1.657	.4356
#1	1241.	2468.	4960.	12040.	98400.	48820.
#2	1242.	2467.	5005.	11880.	99450.	48650.
#3	1248.	2473.	5140.	12080.	101600.	49080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123800.**	**5072.**	**122900.**	**2513.**	**7493.**	**963.7**
Stddev	2086.	78.	713.	10.	24.	10.3
%RSD	1.685	1.528	.5803	.3975	.3179	1.064
#1	122100.	5013.	123700.	2510.	7498.	972.9
#2	123100.	5044.	122300.	2505.	7468.	965.5
#3	126100.	5160.	122600.	2524.	7514.	952.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 14:26:09 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2393.**	**2497.**	**2449.**	**2542.**	**971.4**	**2392.**
Stddev	32.	11.	30.	32.	11.1	2.
%RSD	1.318	.4438	1.214	1.265	1.139	.0734
#1	2428.	2509.	2434.	2520.	983.6	2393.
#2	2385.	2496.	2430.	2528.	968.7	2393.
#3	2367.	2487.	2483.	2579.	961.9	2390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**981.6**	**5018.**	**10020.**	**9123.**
Stddev	3.9	25.	118.	220.
%RSD	.3947	.5054	1.182	2.414
#1	986.0	5047.	9953.	9323.
#2	978.6	4999.	9944.	9160.
#3	980.3	5007.	10150.	8887.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3762.4**	**40248.**	**4013.1**
Stddev	9.9	694.	169.1
%RSD	.26434	1.7254	4.2124
#1	3761.6	40806.	4108.3
#2	3772.7	40468.	4113.1
#3	3752.9	39471.	3817.9

Sample Name: CCB Acquired: 8/21/2016 14:29:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.429**	**3.443**	**.6085**	**-.0727**	**.0918**	**4.554**
Stddev	14.78	1.732	1.066	.3869	.1510	6.261
%RSD	333.8	50.29	175.2	532.2	164.5	137.5
#1	-1.869	2.901	1.337	.3672	.2582	10.98
#2	-20.33	5.381	-.6150	-.3598	.0539	4.203
#3	8.908	2.048	1.103	-.2255	-.0366	-1.523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0457**	**.1381**	**.0868**	**.3207**	**-7.905**	**24.82**
Stddev	.0492	.1130	.3492	.3712	4.894	13.75
%RSD	107.7	81.82	402.4	115.8	61.91	55.41
#1	.0837	.0116	-.2430	.7411	-3.004	23.59
#2	-.0099	.2292	.0508	.0377	-12.79	11.72
#3	.0632	.1735	.4526	.1835	-7.919	39.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9323**	**.2432**	**86.48**	**-.6753**	**.1482**	**-.9967**
Stddev	6.359	.3055	31.02	.1734	.9526	.4353
%RSD	682.0	125.6	35.87	25.67	643.0	43.68
#1	4.734	.5727	114.0	-.4754	-.9425	-1.425
#2	-7.809	.1876	92.65	-.7844	.5695	-.5547
#3	.2789	-.0308	52.84	-.7661	.8174	-1.010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 14:29:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.190**	**-.8368**	**.4257**	**.1371**	**2.186**	**1.077**
Stddev	1.260	.9672	.2307	.2578	.381	.778
%RSD	105.9	115.6	54.19	188.0	17.45	72.30
#1	-1.089	-1.871	.6818	.3937	2.593	1.773
#2	.0160	-.6843	.3608	-.1219	1.836	1.221
#3	-2.498	.0452	.2344	.1395	2.130	.2360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0402**	**.1342**	**.4882**	**-4.184**
Stddev	.6402	.1325	.4838	12.57
%RSD	1593.	98.72	99.09	300.4
#1	.7769	.2738	.9926	4.729
#2	-.3821	.1186	.4441	-18.56
#3	-.2742	.0102	.0281	1.277
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4013.0**	**42292.**	**4131.7**
Stddev	16.8	1125.	280.9
%RSD	.41945	2.6603	6.7990
#1	3993.6	41057.	3836.5
#2	4022.2	42560.	4162.9
#3	4023.3	43258.	4395.7

Sample Name: CCVL Acquired: 8/21/2016 14:33:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**189.3**	**14.03**	**9.158**	**198.5**	**1.894**	**4845.**
Stddev	10.0	1.08	.533	.2	.248	27.
%RSD	5.284	7.717	5.822	.0824	13.11	.5490
#1	178.2	15.15	8.705	198.3	1.629	4832.
#2	197.5	13.94	9.745	198.6	1.933	4875.
#3	192.4	12.99	9.024	198.6	2.121	4826.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.929**	**49.97**	**9.617**	**21.96**	**146.1**	**4466.**
Stddev	.070	.27	.639	.46	7.9	81.
%RSD	1.789	.5333	6.646	2.091	5.395	1.807
#1	3.852	49.85	8.903	21.54	148.4	4382.
#2	3.990	49.79	10.14	21.90	137.3	4473.
#3	3.946	50.28	9.813	22.45	152.5	4543.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4702.**	**15.54**	**4496.**	**40.50**	**11.38**	**17.50**
Stddev	72.	.29	23.	.83	.33	1.07
%RSD	1.529	1.846	.5093	2.048	2.870	6.132
#1	4622.	15.25	4474.	40.24	11.11	18.74
#2	4726.	15.57	4494.	39.83	11.74	16.96
#3	4760.	15.82	4520.	41.43	11.28	16.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 14:33:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.27**	**20.23**	**49.09**	**32.19**	**46.02**	**18.69**
Stddev	.19	1.58	.82	.43	.84	.45
%RSD	1.344	7.819	1.679	1.333	1.832	2.399
#1	14.49	19.41	49.28	32.62	46.04	18.53
#2	14.12	22.05	48.19	32.19	45.16	18.35
#3	14.20	19.22	49.81	31.76	46.85	19.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.01**	**19.34**	**20.28**	F **-5.843**
Stddev	.53	.30	.57	14.80
%RSD	1.099	1.543	2.806	253.2
#1	47.62	19.07	19.72	-22.54
#2	47.81	19.30	20.28	5.631
#3	48.61	19.66	20.85	-.6177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.8**	**41371.**	**3944.8**
Stddev	14.5	233.	27.5
%RSD	.36438	.56386	.69814
#1	3966.3	41605.	3973.6
#2	3954.2	41139.	3918.6
#3	3983.0	41369.	3942.3

Sample Name: 460-118793-a-1-e@5 Acquired: 8/21/2016 14:37:47 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**72.82**	**2.038**	**.5535**	**63.34**	**-.1371**	**118100.**
Stddev	17.20	2.696	.5849	.41	.0766	1309.
%RSD	23.62	132.3	105.7	.6543	55.86	1.108
#1	87.21	.0385	1.215	63.56	-.1029	119600.
#2	77.49	.9725	.1042	63.60	-.2248	117300.
#3	53.78	5.105	.3413	62.86	-.0836	117500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5471**	**.8132**	**-.4851**	**2.207**	**5.016**	**944.8**
Stddev	.1955	.2361	.3304	.439	14.77	35.3
%RSD	35.74	29.04	68.11	19.91	294.6	3.738
#1	.3323	.9467	-.6388	2.266	21.93	906.2
#2	.5945	.5405	-.7107	2.613	-1.537	952.6
#3	.7147	.9522	-.1058	1.741	-5.350	975.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13840.**	**269.8**	F **279300.**	**3.322**	**.4417**	**-.2983**
Stddev	139.	2.8	7388.	.695	.7618	.7011
%RSD	1.004	1.044	2.645	20.91	172.5	235.0
#1	13680.	267.0	287000.	3.450	1.243	.3741
#2	13890.	269.7	278800.	3.944	-.2729	-1.025
#3	13940.	272.6	272200.	2.573	.3548	-.2442
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118793-a-1-e@5 Acquired: 8/21/2016 14:37:47 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.508**	**-2.130**	**1.131**	**19.26**	**36.58**	**.1212**
Stddev	2.963	2.068	.346	.27	.24	.1749
%RSD	196.5	97.06	30.64	1.423	.6688	144.3
#1	-4.534	-3.774	.7620	19.47	36.30	.3094
#2	1.387	.1912	1.181	18.95	36.68	-.0363
#3	-1.375	-2.809	1.450	19.35	36.76	.0903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3333**	**549.4**	**2.880**	**6144.**
Stddev	.5293	10.8	.074	240.
%RSD	158.8	1.960	2.559	3.906
#1	-.0301	559.5	2.956	5893.
#2	-.9445	550.5	2.876	6168.
#3	-.0254	538.1	2.809	6372.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3736.0**	**39776.**	**4021.0**
Stddev	10.5	566.	185.3
%RSD	.28023	1.4228	4.6080
#1	3725.2	39127.	3816.2
#2	3746.1	40036.	4069.8
#3	3736.8	40165.	4177.0

Sample Name: 460-118793-a-2-e@5 Acquired: 8/21/2016 14:41:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.22**	**2.647**	**.1710**	**131.1**	**-.0572**	**150400.**
Stddev	3.68	1.659	.6659	.4	.0897	1037.
%RSD	15.21	62.66	389.3	.3131	156.7	.6896
#1	20.40	1.054	-.4346	131.0	-.1593	151600.
#2	24.51	4.365	.0636	131.6	.0090	149600.
#3	27.75	2.523	.8842	130.8	-.0213	150200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3755**	**.0237**	**-1.373**	**.9106**	**-1.283**	**7318.**
Stddev	.0818	.3245	.156	.4155	9.471	72.
%RSD	21.78	1369.	11.38	45.63	738.0	.9824
#1	.3629	.0116	-1.433	1.101	1.946	7267.
#2	.4629	-.2946	-1.490	1.196	6.150	7288.
#3	.3008	.3541	-1.195	.4340	-11.95	7400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13880.**	**444.2**	F **275200.**	**3.551**	**3.008**	**-.8922**
Stddev	219.	2.6	5272.	.223	.779	1.231
%RSD	1.576	.5820	1.916	6.277	25.90	138.0
#1	13800.	447.1	281300.	3.786	2.153	-.1202
#2	13710.	442.0	272000.	3.523	3.193	-2.312
#3	14130.	443.6	272300.	3.343	3.678	-.2446
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118793-a-2-e@5 Acquired: 8/21/2016 14:41:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7641**	**-.5949**	**3.363**	**6.408**	**114.1**	**.4807**
Stddev	2.556	2.535	.506	.107	1.1	.1937
%RSD	334.6	426.1	15.04	1.669	.9899	40.29
#1	-2.413	-1.194	3.636	6.314	112.8	.3455
#2	2.181	2.186	2.779	6.386	114.4	.3940
#3	-2.060	-2.777	3.674	6.525	115.0	.7025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.014**	**982.7**	**2.682**	**7864.**
Stddev	.716	8.8	.040	237.
%RSD	70.57	.8916	1.496	3.019
#1	-.2230	992.0	2.697	7596.
#2	-1.203	974.7	2.712	8048.
#3	-1.617	981.4	2.636	7948.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3732.0**	**40122.**	**4194.9**
Stddev	5.9	251.	143.6
%RSD	.15790	.62607	3.4233
#1	3738.7	39833.	4032.3
#2	3729.5	40281.	4304.4
#3	3727.8	40254.	4247.8

Sample Name: 460-118793-b-3-f@5 Acquired: 8/21/2016 14:45:43 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**353.2**	**2.369**	**.7281**	**18.31**	**-.1038**	**7924.**
Stddev	13.1	1.378	.7807	.21	.1018	110.
%RSD	3.710	58.16	107.2	1.120	98.14	1.389
#1	366.4	3.886	.7473	18.12	-.1416	7872.
#2	340.2	2.025	-.0621	18.29	-.1813	8050.
#3	353.1	1.195	1.499	18.53	.0116	7850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1471**	**1.044**	**2.723**	**1.276**	**262.0**	**372.8**
Stddev	.2520	.126	.473	.391	19.2	21.4
%RSD	171.3	12.10	17.38	30.65	7.329	5.735
#1	-.1209	.9003	2.607	1.513	247.6	365.5
#2	.1831	1.139	2.319	.8249	254.6	396.9
#3	.3793	1.092	3.244	1.491	283.8	356.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6468.**	**62.74**	F **266500.**	**16.41**	**8.866**	**-.7733**
Stddev	139.	1.06	6060.	1.12	1.629	1.238
%RSD	2.148	1.687	2.274	6.809	18.37	160.1
#1	6315.	61.52	273300.	16.79	7.399	.3585
#2	6586.	63.42	264500.	15.15	10.62	-.5826
#3	6503.	63.29	261700.	17.28	8.579	-2.096
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118793-b-3-f@5 Acquired: 8/21/2016 14:45:43 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7486**	**-1.503**	**5.052**	**176.0**	**17.29**	**.1951**
Stddev	3.224	1.025	1.169	1.4	.15	.2383
%RSD	430.7	68.21	23.14	.7970	.8961	122.2
#1	-2.876	-.3204	3.702	175.6	17.14	.4186
#2	-2.331	-2.049	5.691	174.8	17.45	.2224
#3	2.961	-2.140	5.761	177.6	17.27	-.0557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0484**	**35.18**	**5.807**	**591.2**
Stddev	.7973	.30	.256	26.4
%RSD	1648.	.8511	4.413	4.468
#1	-.8680	35.46	5.822	578.5
#2	.4297	35.23	6.055	573.6
#3	.5835	34.86	5.543	621.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3840.2**	**40579.**	**4119.5**
Stddev	13.9	434.	52.9
%RSD	.36160	1.0701	1.2832
#1	3824.2	40812.	4132.1
#2	3847.2	40078.	4061.5
#3	3849.2	40846.	4165.0

Sample Name: 460-118793-b-4-f@5 Acquired: 8/21/2016 14:49:39 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**108.1**	**2.216**	**.4552**	**17.95**	**.0459**	**5619.**
Stddev	3.4	1.363	.3970	.24	.2068	86.
%RSD	3.171	61.52	87.21	1.320	450.3	1.536
#1	107.6	.9990	.1998	18.14	.0194	5663.
#2	105.0	1.959	.9125	18.02	-.1464	5675.
#3	111.8	3.689	.2532	17.68	.2647	5519.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3155**	**.1580**	**.3472**	**2.024**	**43.81**	**626.3**
Stddev	.0927	.2668	.3827	.162	3.86	34.6
%RSD	29.37	168.9	110.2	8.020	8.799	5.527
#1	.3075	-.1404	.0060	2.007	42.33	624.1
#2	.4119	.3738	.2746	1.871	40.92	592.9
#3	.2271	.2404	.7609	2.195	48.19	662.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**563.2**	**61.37**	F **268900.**	**1.429**	**10.55**	**-.1035**
Stddev	9.0	.39	5433.	.830	3.35	2.687
%RSD	1.603	.6425	2.021	58.09	31.78	2596.
#1	554.2	60.92	274600.	2.388	12.51	2.584
#2	572.3	61.64	268200.	.9424	6.678	-2.789
#3	563.0	61.56	263800.	.9573	12.45	-.1059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118793-b-4-f@5 Acquired: 8/21/2016 14:49:39 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.753**	**-2.078**	**2.598**	**43.08**	**12.77**	**.0040**
Stddev	2.437	1.254	1.187	.43	.01	.1717
%RSD	139.0	60.35	45.67	1.007	.0869	4256.
#1	.7779	-3.362	2.348	43.06	12.78	.1890
#2	4.527	-.8563	1.556	42.66	12.77	-.0265
#3	-.0444	-2.015	3.890	43.52	12.76	-.1504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0751**	**32.17**	**1.395**	**148.9**
Stddev	.4506	.37	.087	31.4
%RSD	600.4	1.151	6.266	21.10
#1	.4418	31.75	1.334	162.3
#2	-.3850	32.37	1.357	113.0
#3	-.2820	32.40	1.496	171.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3843.1**	**40377.**	**4093.3**
Stddev	7.6	520.	196.7
%RSD	.19697	1.2869	4.8051
#1	3836.4	39990.	3866.2
#2	3851.3	40173.	4203.7
#3	3841.6	40967.	4209.9

Sample Name: 460-118793-b-5-f@5 Acquired: 8/21/2016 14:53:37 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124.8**	**3.014**	**.0750**	**19.27**	**.0441**	**5677.**
Stddev	6.8	.736	.4450	.12	.0832	13.
%RSD	5.475	24.42	593.2	.6099	188.7	.2238
#1	132.2	2.635	-.1262	19.13	-.0497	5685.
#2	118.8	2.545	-.2338	19.33	.0730	5662.
#3	123.5	3.862	.5850	19.34	.1090	5683.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1879**	**1.134**	**3.239**	**.6291**	**155.3**	**321.2**
Stddev	.1217	.101	.501	.5585	12.9	34.9
%RSD	64.79	8.879	15.46	88.78	8.274	10.87
#1	.0473	1.165	2.767	.1602	161.9	281.0
#2	.2563	1.021	3.186	.4801	140.5	343.8
#3	.2600	1.215	3.764	1.247	163.6	338.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6168.**	**55.21**	F **270400.**	**22.10**	**19.58**	**-1.124**
Stddev	85.	.87	4049.	.78	2.04	.995
%RSD	1.379	1.570	1.497	3.550	10.41	88.46
#1	6102.	54.61	274600.	23.00	21.82	-.1773
#2	6139.	54.82	270200.	21.59	19.08	-1.035
#3	6264.	56.21	266500.	21.70	17.83	-2.160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118793-b-5-f@5 Acquired: 8/21/2016 14:53:37 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5568**	**-1.481**	**.9748**	**39.67**	**10.39**	**.4153**
Stddev	1.485	3.566	.1350	.22	.25	.2537
%RSD	266.6	240.7	13.85	.5595	2.424	61.10
#1	-2.153	.8447	1.035	39.68	10.43	.6949
#2	-.3009	.2980	1.069	39.44	10.61	.1997
#3	.7832	-5.587	.8202	39.89	10.12	.3512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3610**	**17.78**	**1.387**	**400.2**
Stddev	.5201	.14	.071	26.2
%RSD	144.1	.7839	5.144	6.540
#1	.1312	17.89	1.427	393.4
#2	-.3091	17.83	1.304	378.1
#3	-.9050	17.62	1.428	429.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3789.8**	**39205.**	**3827.4**
Stddev	6.7	223.	63.0
%RSD	.17771	.56784	1.6470
#1	3797.0	39260.	3785.0
#2	3783.6	39395.	3797.3
#3	3789.0	38960.	3899.8

Sample Name: 460-118793-b-6-f@5 Acquired: 8/21/2016 14:57:35 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.28**	**2.957**	**.0625**	**16.51**	**-.2231**	**2158.**
Stddev	22.63	.675	.6203	.23	.0331	27.
%RSD	117.4	22.84	993.0	1.403	14.85	1.262
#1	-6.383	2.262	-.0851	16.32	-.1981	2189.
#2	36.41	3.611	-.4707	16.44	-.2104	2141.
#3	27.80	2.999	.7432	16.77	-.2606	2142.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1793**	**.6888**	**.1505**	**5.884**	**39.78**	**246.5**
Stddev	.0146	.1750	.2919	.249	7.25	26.4
%RSD	8.165	25.40	194.0	4.229	18.23	10.70
#1	.1925	.5068	.4593	5.947	47.76	276.8
#2	.1819	.7040	.1130	6.096	33.60	233.3
#3	.1636	.8558	-.1209	5.610	37.98	229.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**940.6**	**17.33**	F **266500.**	**5.474**	**21.96**	**.3629**
Stddev	8.4	.09	4876.	.459	.27	1.106
%RSD	.8915	.5442	1.830	8.389	1.228	304.8
#1	931.0	17.28	271900.	5.011	22.21	-.7432
#2	946.0	17.28	265300.	5.929	21.67	.3631
#3	945.0	17.44	262400.	5.483	22.00	1.469
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118793-b-6-f@5 Acquired: 8/21/2016 14:57:35 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.737**	**-.9902**	**2.586**	**53.50**	**9.468**	**.5956**
Stddev	1.492	.5028	.937	.07	.363	.1412
%RSD	54.50	50.78	36.24	.1257	3.837	23.71
#1	-2.676	-1.100	3.310	53.51	9.062	.5609
#2	-4.259	-1.429	2.921	53.42	9.577	.4750
#3	-1.277	-.4418	1.528	53.56	9.764	.7509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2622**	**4.820**	**.4905**	**57.72**
Stddev	.4894	.014	.1132	10.72
%RSD	186.6	.2816	23.07	18.58
#1	-.1095	4.817	.3884	55.45
#2	.1326	4.808	.4710	48.32
#3	-.8097	4.834	.6122	69.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3819.8**	**39607.**	**3935.5**
Stddev	14.3	367.	80.2
%RSD	.37409	.92621	2.0387
#1	3804.2	39202.	3845.3
#2	3832.2	39917.	3999.0
#3	3822.9	39702.	3962.1

Sample Name: 460-118791-e-2-g@5 Acquired: 8/21/2016 15:01:35 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.77**	**3.447**	**.6248**	**49.78**	**-.0575**	**153100.**
Stddev	22.10	.852	.5575	.31	.0038	990.
%RSD	41.10	24.71	89.23	.6153	6.544	.6461
#1	55.67	3.968	.8608	50.13	-.0615	152100.
#2	74.86	3.910	1.026	49.57	-.0571	154000.
#3	30.78	2.464	-.0119	49.63	-.0540	153300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5654**	**-.2969**	**.9325**	**.3914**	**12.43**	**2020.**
Stddev	.0613	.2312	.3833	.2461	6.09	12.
%RSD	10.84	77.85	41.11	62.87	48.97	.6139
#1	.6320	-.4532	.4898	.6140	15.88	2022.
#2	.5529	-.4063	1.153	.4331	16.01	2007.
#3	.5114	-.0314	1.155	.1272	5.403	2032.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**745.6**	**.1166**	F **271900.**	**-.6297**	**-.1390**	**-1.641**
Stddev	23.3	.0821	5681.	.6670	2.239	1.773
%RSD	3.130	70.44	2.089	105.9	1610.	108.1
#1	719.9	.0483	278000.	-.9426	-2.689	-.3311
#2	751.3	.0938	271000.	.1362	.7655	-3.659
#3	765.5	.2077	266800.	-1.083	1.506	-.9332
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118791-e-2-g@5 Acquired: 8/21/2016 15:01:35 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3288**	**-.4205**	**2.678**	**2.793**	**26.58**	**.7733**
Stddev	3.608	2.504	.849	.206	.22	.0452
%RSD	1097.	595.4	31.70	7.394	.8354	5.847
#1	3.064	-2.361	2.143	3.027	26.79	.7667
#2	-3.760	2.406	3.657	2.715	26.35	.7318
#3	1.682	-1.307	2.234	2.636	26.61	.8215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.086**	**902.5**	**2.445**	**3726.**
Stddev	.332	18.2	.229	31.
%RSD	30.55	2.013	9.368	.8199
#1	-1.231	921.1	2.702	3695.
#2	-1.321	901.7	2.262	3729.
#3	-.7065	884.8	2.372	3756.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3743.5**	**39099.**	**3885.0**
Stddev	5.3	98.	62.6
%RSD	.14048	.25026	1.6108
#1	3737.8	39157.	3816.2
#2	3748.2	38986.	3900.4
#3	3744.4	39154.	3938.5

Sample Name: 460-118771-d-10-h@5 Acquired: 8/21/2016 15:05:33 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.04**	**1.717**	**.7386**	**84.47**	**.0054**	**5357.**
Stddev	9.98	1.056	.2678	.27	.1448	47.
%RSD	76.51	61.46	36.25	.3192	2680.	.8777
#1	10.61	.6898	1.003	84.25	.1463	5407.
#2	4.505	1.664	.7452	84.77	.0128	5315.
#3	24.01	2.799	.4676	84.40	-.1429	5348.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1420**	**1.802**	**.0472**	**2.231**	**13.36**	**1208.**
Stddev	.0832	.286	.7257	.543	14.35	2.
%RSD	58.57	15.90	1537.	24.35	107.4	.1299
#1	.0988	1.753	-.1440	2.208	29.59	1209.
#2	.0893	2.110	.8493	1.700	2.352	1210.
#3	.2379	1.543	-.5637	2.786	8.137	1206.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**491.3**	**283.7**	F **275100.**	**1.829**	**12.17**	**.8359**
Stddev	9.0	2.2	4950.	.942	3.51	1.120
%RSD	1.829	.7830	1.799	51.49	28.85	133.9
#1	488.6	283.1	280400.	2.421	15.37	.3276
#2	483.9	281.8	274200.	.7429	12.74	2.119
#3	501.3	286.1	270600.	2.322	8.411	.0606
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118771-d-10-h@5 Acquired: 8/21/2016 15:05:33 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6784**	**-1.216**	**.1833**	**13.68**	**18.04**	**.0841**
Stddev	3.097	.851	.3690	.08	.91	.1396
%RSD	456.5	69.93	201.3	.5659	5.055	165.9
#1	-2.218	-1.991	.3119	13.63	17.36	.1856
#2	.3117	-.3057	-.2328	13.76	17.67	.1419
#3	3.942	-1.353	.4708	13.63	19.07	-.0751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1852**	**53.03**	**.5973**	**349.3**
Stddev	.2554	.11	.3068	18.4
%RSD	137.9	.2091	51.36	5.256
#1	-.2756	52.96	.5270	337.9
#2	.1031	52.99	.3319	339.4
#3	-.3832	53.16	.9332	370.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3780.9**	**38708.**	**3729.7**
Stddev	6.5	465.	124.2
%RSD	.17132	1.2009	3.3303
#1	3780.5	38174.	3589.3
#2	3774.7	38921.	3774.2
#3	3787.6	39027.	3825.5

Sample Name: 460-118818-d-10-e@5 Acquired: 8/21/2016 15:09:33 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27.81**	**2.951**	**.3283**	**77.26**	**-.0216**	**4813.**
Stddev	16.73	.186	1.009	.29	.1175	69.
%RSD	60.14	6.318	307.5	.3817	543.8	1.429
#1	41.33	2.773	-.6897	77.25	-.1503	4836.
#2	33.01	2.933	.3458	76.98	.0800	4868.
#3	9.104	3.145	1.329	77.56	.0055	4736.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0378**	**1.383**	**.3937**	**2.872**	**38.73**	**842.3**
Stddev	.1321	.027	.5197	.241	6.02	38.1
%RSD	349.4	1.968	132.0	8.384	15.55	4.525
#1	-.1046	1.413	.8580	2.678	41.80	819.9
#2	.1563	1.360	-.1677	3.142	31.79	886.3
#3	.0616	1.377	.4907	2.798	42.60	820.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**384.7**	**613.3**	F **269900.**	**2.075**	**5.267**	**-.1061**
Stddev	4.7	2.5	5220.	.692	1.713	.9971
%RSD	1.228	.4145	1.934	33.33	32.52	939.5
#1	379.8	614.3	275700.	2.529	3.617	-1.255
#2	389.2	615.2	268500.	1.279	5.148	.3993
#3	385.1	610.4	265500.	2.417	7.036	.5371
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118818-d-10-e@5 Acquired: 8/21/2016 15:09:33 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7310**	**-2.643**	**.4399**	**18.74**	**11.78**	**.4036**
Stddev	1.320	.629	.2611	.22	.21	.5427
%RSD	180.6	23.79	59.34	1.168	1.763	134.5
#1	-.8741	-2.958	.7211	18.96	11.81	-.1249
#2	-1.974	-3.052	.3936	18.72	11.56	.9594
#3	.6551	-1.919	.2051	18.53	11.98	.3763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2804**	**37.02**	**.7043**	**234.4**
Stddev	.7580	.21	.2145	6.4
%RSD	270.3	.5592	30.46	2.729
#1	1.017	37.25	.9495	241.8
#2	.3217	36.85	.6123	230.8
#3	-.4974	36.97	.5511	230.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3799.4**	**39100.**	**3774.8**
Stddev	22.5	501.	107.0
%RSD	.59153	1.2817	2.8332
#1	3774.1	38796.	3694.8
#2	3817.0	38826.	3733.2
#3	3807.1	39679.	3896.3

Sample Name: 460-118822-a-1-e@5 Acquired: 8/21/2016 15:13:32 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**65.82**	**1.564**	**.7274**	**84.52**	**.0969**	**4257.**
Stddev	6.38	3.004	.1838	.10	.1422	23.
%RSD	9.699	192.1	25.27	.1223	146.8	.5297
#1	73.19	4.918	.5152	84.47	-.0286	4251.
#2	62.05	.6519	.8390	84.64	.0679	4283.
#3	62.21	-.8790	.8280	84.46	.2513	4239.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3356**	**1.953**	**-.3677**	**1.918**	**40.23**	**680.5**
Stddev	.1346	.021	.2999	.133	14.13	35.2
%RSD	40.09	1.084	81.54	6.927	35.13	5.172
#1	.4610	1.950	-.6036	1.849	37.54	670.9
#2	.3524	1.933	-.4694	1.833	55.51	651.1
#3	.1935	1.975	-.0303	2.071	27.64	719.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**844.6**	**416.7**	F **273900.**	**1.777**	**13.56**	**.5981**
Stddev	5.5	.9	4290.	.116	2.40	.6508
%RSD	.6509	.2218	1.566	6.529	17.67	108.8
#1	838.8	415.9	277700.	1.779	15.00	.4771
#2	845.4	417.7	274700.	1.660	10.79	.0164
#3	849.7	416.5	269300.	1.892	14.88	1.301
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118822-a-1-e@5 Acquired: 8/21/2016 15:13:32 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.087**	**-2.034**	**.0508**	**22.65**	**18.61**	**.3826**
Stddev	1.254	3.405	.9015	.24	.19	.3436
%RSD	60.07	167.4	1774.	1.043	1.020	89.80
#1	-2.338	.3043	.5425	22.83	18.80	.7791
#2	-3.197	-5.940	.5995	22.73	18.42	.1957
#3	-.7272	-.4653	-.9896	22.38	18.60	.1730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2296**	**22.95**	**1.247**	**249.2**
Stddev	.9775	.08	.157	22.8
%RSD	425.8	.3392	12.59	9.158
#1	-.8389	22.99	1.418	223.1
#2	-.7478	23.00	1.108	265.4
#3	.8979	22.86	1.216	259.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3789.9**	**38990.**	**3794.1**
Stddev	3.8	183.	44.3
%RSD	.10000	.47022	1.1668
#1	3789.3	39189.	3756.3
#2	3786.4	38828.	3783.3
#3	3793.9	38953.	3842.8

Sample Name: CCV Acquired: 8/21/2016 15:17:33 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126300.**	**2476.**	**1231.**	**10270.**	**1035.**	**129600.**
Stddev	1386.	79.	8.	353.	12.	1066.
%RSD	1.097	3.190	.6096	3.439	1.142	.8227
#1	125000.	2568.	1230.	10680.	1025.	130500.
#2	127800.	2430.	1238.	10080.	1048.	129900.
#3	126100.	2431.	1223.	10050.	1033.	128400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1285.**	**2538.**	**5232.**	**11790.**	**103200.**	**50040.**
Stddev	44.	89.	40.	45.	751.	665.
%RSD	3.427	3.487	.7627	.3794	.7275	1.329
#1	1336.	2640.	5260.	11770.	103700.	49340.
#2	1262.	2490.	5249.	11840.	103600.	50670.
#3	1258.	2484.	5186.	11760.	102300.	50100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127600.**	**5241.**	**123500.**	**2592.**	**7737.**	**963.9**
Stddev	925.	33.	1272.	91.	272.	29.5
%RSD	.7246	.6373	1.030	3.530	3.513	3.063
#1	128300.	5260.	122200.	2696.	8050.	997.9
#2	128000.	5260.	124700.	2550.	7598.	944.3
#3	126500.	5202.	123600.	2528.	7562.	949.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 15:17:33 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2393.**	**2555.**	**2492.**	**2709.**	**975.8**	**2431.**
Stddev	71.	88.	13.	106.	26.2	84.
%RSD	2.987	3.455	.5248	3.896	2.685	3.458
#1	2474.	2655.	2500.	2830.	1005.	2528.
#2	2338.	2491.	2499.	2657.	955.5	2386.
#3	2367.	2517.	2477.	2639.	966.5	2379.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1015.**	**5089.**	**10180.**	**8811.**
Stddev	35.	57.	46.	118.
%RSD	3.413	1.121	.4481	1.341
#1	1055.	5024.	10190.	8946.
#2	990.5	5132.	10220.	8724.
#3	1000.	5110.	10130.	8764.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3660.7**	**38483.**	**3638.6**
Stddev	112.1	550.	71.7
%RSD	3.0613	1.4297	1.9708
#1	3532.4	37981.	3609.5
#2	3709.9	38397.	3586.0
#3	3739.7	39071.	3720.3

Sample Name: CCB Acquired: 8/21/2016 15:21:08 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.205**	**1.189**	**-.1072**	**.1030**	**.0473**	**.2246**
Stddev	5.404	.633	.3411	.7795	.0726	4.938
%RSD	75.01	53.22	318.2	757.1	153.5	2199.
#1	-5.979	.5438	.2006	.9465	-.0344	3.570
#2	-13.12	1.808	-.0482	-.5906	.1043	2.551
#3	-2.519	1.214	-.4740	-.0470	.0720	-5.447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1406**	**-.0082**	**-.0170**	**.1026**	**4.591**	**41.97**
Stddev	.1686	.2371	.5659	.4293	7.730	28.21
%RSD	119.9	2905.	3338.	418.5	168.4	67.22
#1	.2358	.2330	.4360	.5719	6.912	67.82
#2	-.0541	-.2410	.1645	-.2703	10.90	46.19
#3	.2401	-.0165	-.6514	.0061	-4.034	11.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.135**	**.1353**	**165.4**	**.2715**	**.8661**	**-.2236**
Stddev	8.378	.4075	75.3	.4371	2.036	.1159
%RSD	202.6	301.1	45.53	161.0	235.1	51.85
#1	4.961	.6058	246.7	.5708	2.837	-.3469
#2	-11.54	-.0964	151.2	.4737	.9914	-.1168
#3	-5.827	-.1035	98.17	-.2301	-1.230	-.2071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 15:21:08 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.592**	**1.549**	**.9871**	**.1628**	**2.078**	**.9720**
Stddev	1.832	2.492	.8420	.1639	.676	.5990
%RSD	115.0	160.9	85.29	100.7	32.53	61.63
#1	-.4250	4.299	.2099	.2235	2.271	1.619
#2	-3.703	.9074	1.882	-.0228	2.636	.8607
#3	-.6487	-.5591	.8700	.2876	1.326	.4364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0784**	**.1747**	**.8143**	**-.8112**
Stddev	.3926	.2747	.5588	18.19
%RSD	500.8	157.2	68.62	2243.
#1	.3500	.4908	1.442	-18.49
#2	-.4212	.0395	.6287	-1.794
#3	-.1640	-.0062	.3719	17.85
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.9**	**40706.**	**3815.3**
Stddev	6.5	145.	69.1
%RSD	.16460	.35611	1.8101
#1	3946.5	40542.	3741.3
#2	3942.2	40758.	3878.0
#3	3954.9	40817.	3826.5

Sample Name: CCVL Acquired: 8/21/2016 15:25:09 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**194.6**	**16.28**	**9.650**	**200.3**	**1.996**	**4982.**
Stddev	15.9	1.66	.313	.5	.170	50.
%RSD	8.172	10.19	3.243	.2339	8.538	1.006
#1	195.2	14.74	9.289	200.0	1.824	5039.
#2	210.2	18.04	9.813	200.1	2.164	4948.
#3	178.4	16.07	9.848	200.9	2.000	4957.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.966**	**50.73**	**10.05**	**21.73**	**159.0**	**4523.**
Stddev	.168	.38	.41	.21	14.7	50.
%RSD	4.223	.7516	4.038	.9556	9.237	1.103
#1	3.799	50.31	10.38	21.95	142.1	4516.
#2	3.964	50.84	9.594	21.54	165.8	4477.
#3	4.134	51.05	10.17	21.71	169.0	4576.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4854.**	**16.02**	**4633.**	**41.34**	**11.95**	**17.10**
Stddev	37.	.03	27.	.88	2.53	2.25
%RSD	.7542	.1657	.5761	2.134	21.15	13.13
#1	4819.	15.99	4620.	42.32	10.76	15.80
#2	4853.	16.04	4615.	41.10	10.24	19.70
#3	4892.	16.04	4664.	40.60	14.85	15.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 15:25:09 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.23**	**20.62**	**50.46**	**33.35**	**46.06**	**19.13**
Stddev	.54	2.03	.66	.28	.30	.15
%RSD	3.782	9.840	1.303	.8337	.6495	.7921
#1	14.05	22.95	50.27	33.04	45.72	19.25
#2	13.80	19.62	49.91	33.56	46.27	18.96
#3	14.83	19.28	51.18	33.45	46.20	19.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**49.94**	**19.34**	**20.48**	F **-6.801**
Stddev	.60	.19	.10	7.696
%RSD	1.201	.9936	.5094	113.2
#1	49.83	19.15	20.53	2.057
#2	49.41	19.34	20.36	-11.85
#3	50.59	19.54	20.55	-10.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4002.3**	**41162.**	**3860.4**
Stddev	11.1	632.	66.6
%RSD	.27665	1.5349	1.7242
#1	3990.2	40443.	3783.8
#2	4011.9	41628.	3903.9
#3	4004.8	41414.	3893.6

Sample Name: 460-118824-c-1-e@5 Acquired: 8/21/2016 15:29:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**77.92**	**3.691**	**.2564**	**126.9**	**.0125**	**1749.**
Stddev	17.47	1.376	1.077	.6	.0824	3.
%RSD	22.42	37.28	420.0	.4903	657.9	.1485
#1	86.36	4.504	-.9589	126.2	-.0250	1748.
#2	89.57	4.468	.6364	127.5	-.0445	1747.
#3	57.83	2.102	1.092	127.0	.1070	1752.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4627**	**.4984**	**-.2566**	**5.537**	**12.23**	**316.4**
Stddev	.2114	.0413	.4024	.504	4.63	37.5
%RSD	45.68	8.290	156.8	9.106	37.90	11.85
#1	.5289	.4794	-.0963	5.413	15.27	292.9
#2	.6331	.4700	-.7145	6.092	14.52	359.6
#3	.2262	.5458	.0410	5.107	6.894	296.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**188.0**	**18.21**	F **266800.**	**2.463**	**5.614**	**-.4669**
Stddev	2.3	.11	4434.	.274	1.171	.3947
%RSD	1.212	.5936	1.662	11.11	20.85	84.55
#1	185.8	18.10	270800.	2.316	6.164	-.4110
#2	190.3	18.21	267700.	2.778	4.270	-.8865
#3	187.9	18.31	262000.	2.294	6.409	-.1030
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118824-c-1-e@5 Acquired: 8/21/2016 15:29:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.982**	**.7488**	**.9265**	**21.50**	**11.89**	**.3139**
Stddev	2.138	2.328	.3260	.19	.41	.3246
%RSD	107.8	310.9	35.18	.8947	3.463	103.4
#1	-4.448	3.203	.5516	21.44	11.47	.6295
#2	-.6541	-1.429	1.085	21.35	11.90	-.0191
#3	-.8450	.4732	1.143	21.72	12.30	.3312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2038**	**9.780**	**.1768**	**226.0**
Stddev	.6532	.161	.1111	25.4
%RSD	320.5	1.649	62.81	11.23
#1	-.2149	9.611	.3031	220.2
#2	-.1302	9.797	.0943	204.0
#3	.9565	9.932	.1331	253.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3855.2**	**39654.**	**3852.1**
Stddev	15.0	115.	21.2
%RSD	.38920	.28910	.55034
#1	3838.4	39654.	3836.7
#2	3860.1	39539.	3843.3
#3	3867.2	39768.	3876.3

Sample Name: lb 460-385390/1-h@5 Acquired: 8/21/2016 15:33:10 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-9.176**	**1.158**	**.2611**	**-.3147**	**-.0019**	**33.06**
Stddev	11.74	2.119	.4775	.1156	.1178	13.04
%RSD	127.9	183.0	182.9	36.73	6251.	39.44
#1	-3.762	3.475	.0713	-.4329	.1337	18.18
#2	-1.120	-.6829	-.0923	-.2019	-.0793	42.45
#3	-22.65	.6829	.8043	-.3094	-.0601	38.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0038**	**-.1582**	**-.3204**	**-.0970**	**7.567**	**132.6**
Stddev	.0432	.1836	.5215	.1689	11.32	12.9
%RSD	1140.	116.1	162.7	174.2	149.6	9.694
#1	-.0367	-.2943	.1130	-.2753	-4.859	117.8
#2	.0452	.0506	-.1752	-.0762	17.30	139.8
#3	-.0198	-.2308	-.8992	.0606	10.26	140.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.040**	**.0790**	F **280700.**	**2.464**	**-.4296**	**2.885**
Stddev	1.694	.0646	3842.	.958	2.378	1.865
%RSD	28.05	81.79	1.369	38.88	553.6	64.65
#1	-7.995	.1193	285000.	2.306	.7416	.7694
#2	-5.007	.1131	279600.	3.492	-3.166	3.592
#3	-5.118	.0045	277600.	1.595	1.136	4.292
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-385390/1-h@5 Acquired: 8/21/2016 15:33:10 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.262**	**-.2067**	**1.037**	**7.481**	**2.288**	**-.0979**
Stddev	1.443	1.821	.945	.134	.190	.5202
%RSD	63.81	881.0	91.11	1.793	8.313	531.2
#1	2.815	1.494	.2844	7.333	2.133	-.3248
#2	3.347	-2.128	2.097	7.594	2.500	.4971
#3	.6239	.0133	.7294	7.517	2.231	-.4662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3388**	**-.0619**	**-.0427**	**-4.934**
Stddev	.8371	.0907	.1052	13.21
%RSD	247.1	146.5	246.6	267.7
#1	.3877	.0423	.0784	8.020
#2	-.5217	-.1052	-.0950	-18.38
#3	1.150	-.1229	-.1115	-4.437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3795.4**	**39173.**	**3783.8**
Stddev	5.2	95.	41.0
%RSD	.13614	.24306	1.0832
#1	3793.3	39283.	3763.3
#2	3791.6	39125.	3757.1
#3	3801.3	39112.	3831.0

Sample Name: lb 460-385610/1-e@5 Acquired: 8/21/2016 15:37:10 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.33**	**1.038**	**.0943**	**-.2962**	**-.1101**	**-10.28**
Stddev	4.10	.626	1.261	.1155	.1896	1.61
%RSD	36.17	60.25	1337.	38.99	172.2	15.66
#1	6.652	.5200	-.0874	-.3085	-.0411	-8.536
#2	13.05	1.733	1.436	-.4051	-.3245	-11.71
#3	14.29	.8620	-1.066	-.1751	.0353	-10.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0699**	**-.2462**	**-.0437**	**.1913**	**-8.775**	**127.1**
Stddev	.1285	.0612	.2108	1.012	7.004	41.0
%RSD	183.8	24.87	482.5	529.4	79.81	32.25
#1	-.0611	-.2982	.1979	-.9034	-1.916	80.55
#2	-.2026	-.1787	-.1386	1.094	-8.495	143.1
#3	.0540	-.2618	-.1903	.3832	-15.91	157.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.372**	**-.0962**	F **277900.**	**1.361**	**1.486**	**.4367**
Stddev	4.350	.0043	4158.	.489	2.130	.3601
%RSD	51.96	4.520	1.496	35.90	143.4	82.46
#1	-9.557	-.0939	282300.	1.047	-.7940	.4744
#2	-12.01	-.1012	277400.	1.112	1.826	.7766
#3	-3.552	-.0934	274000.	1.925	3.426	.0593
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-385610/1-e@5 Acquired: 8/21/2016 15:37:10 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1451**	**-1.981**	**.6058**	**.3527**	**1.604**	**.3293**
Stddev	3.401	2.866	.7713	.1322	.237	.2334
%RSD	2344.	144.7	127.3	37.48	14.80	70.88
#1	1.476	-1.849	.4900	.4395	1.667	.5078
#2	-4.053	-4.910	-.1010	.4180	1.803	.4150
#3	2.142	.8173	1.428	.2005	1.341	.0652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0907**	**-.1060**	**-.0371**	**-13.66**
Stddev	.8643	.0831	.0981	2.66
%RSD	952.4	78.33	264.4	19.46
#1	-1.088	-.0203	-.0173	-11.75
#2	.3796	-.1117	.0496	-12.53
#3	.4364	-.1861	-.1437	-16.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3785.8**	**38665.**	**3742.7**
Stddev	4.5	198.	67.4
%RSD	.11793	.51301	1.8009
#1	3786.4	38611.	3667.3
#2	3781.1	38499.	3797.3
#3	3790.0	38884.	3763.4

Sample Name: pds 460-118857-e-5-b Acquired: 8/21/2016 15:41:12 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19280.**	**1837.**	**46.67**	**2389.**	**49.82**	**137400.**
Stddev	35.	5.	.62	1.	.33	391.
%RSD	.1792	.2831	1.337	.0606	.6646	.2842
#1	19320.	1843.	46.83	2387.	50.20	137800.
#2	19250.	1836.	47.20	2389.	49.72	137100.
#3	19270.	1833.	45.99	2390.	49.56	137300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.07**	**493.1**	**244.6**	**265.4**	**28290.**	**21640.**
Stddev	.43	1.7	1.0	2.3	124.	49.
%RSD	.8913	.3545	.4104	.8656	.4387	.2274
#1	48.35	493.5	243.5	263.0	28150.	21640.
#2	47.58	491.2	244.6	265.8	28350.	21580.
#3	48.28	494.6	245.5	267.6	28370.	21680.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30520.**	**1097.**	**18980.**	**521.8**	**1298.**	**422.0**
Stddev	28.	2.	55.	3.3	5.	.8
%RSD	.0931	.1989	.2881	.6328	.3861	.1905
#1	30550.	1099.	19040.	523.1	1301.	422.7
#2	30520.	1095.	18970.	518.0	1292.	422.2
#3	30500.	1096.	18940.	524.2	1300.	421.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118857-e-5-b Acquired: 8/21/2016 15:41:12 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1761.**	**1963.**	**526.0**	**1024.**	**476.5**	**461.9**
Stddev	19.	30.	4.0	2.	4.5	5.1
%RSD	1.069	1.542	.7576	.2060	.9383	1.098
#1	1750.	1939.	521.9	1024.	472.6	458.8
#2	1751.	1954.	529.8	1027.	475.5	459.2
#3	1783.	1997.	526.5	1022.	481.4	467.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**498.2**	**743.9**	**1558.**	**420.6**
Stddev	4.8	2.5	1.	21.4
%RSD	.9646	.3410	.0794	5.098
#1	494.2	746.5	1558.	405.7
#2	496.9	741.4	1559.	410.8
#3	503.5	743.8	1557.	445.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3828.5**	**39488.**	**3685.4**
Stddev	15.9	468.	39.7
%RSD	.41409	1.1863	1.0760
#1	3811.6	38959.	3646.5
#2	3830.7	39657.	3684.0
#3	3843.1	39849.	3725.8

Sample Name: 460-118857-e-5-c ms Acquired: 8/21/2016 15:44:53 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18100.**	**391.1**	**10.10**	**888.8**	**11.01**	**127000.**
Stddev	61.	1.7	.70	2.1	.20	396.
%RSD	.3351	.4260	6.928	.2335	1.824	.3120
#1	18130.	391.7	10.69	886.8	11.24	127500.
#2	18030.	389.3	10.27	888.8	10.85	126700.
#3	18130.	392.4	9.327	890.9	10.94	127000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.948**	**110.2**	**76.93**	**85.20**	**24720.**	**6478.**
Stddev	.024	1.1	.15	1.22	188.	32.
%RSD	.2441	1.042	.1899	1.429	.7610	.5006
#1	9.933	109.1	76.77	84.13	24540.	6469.
#2	9.934	110.1	77.06	84.95	24710.	6451.
#3	9.976	111.4	76.96	86.52	24920.	6514.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14070.**	**563.1**	**4779.**	**130.9**	**581.7**	**52.89**
Stddev	159.	.8	8.	1.4	6.6	3.17
%RSD	1.129	.1366	.1656	1.045	1.137	6.000
#1	13910.	563.7	4773.	129.4	574.1	50.18
#2	14060.	562.3	4788.	131.5	585.4	52.11
#3	14230.	563.4	4777.	131.9	585.6	56.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-5-c ms Acquired: 8/21/2016 15:44:53 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**362.0**	**416.8**	**141.0**	**631.0**	**121.1**	**99.20**
Stddev	5.5	5.9	2.1	9.8	1.9	1.61
%RSD	1.527	1.420	1.479	1.549	1.596	1.627
#1	355.9	410.4	139.2	620.3	118.9	97.39
#2	366.6	422.0	140.6	633.4	122.2	99.73
#3	363.4	418.0	143.3	639.4	122.2	100.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**103.9**	**383.7**	**1087.**	**554.6**
Stddev	1.0	1.2	1.	33.3
%RSD	.9902	.3200	.1285	6.000
#1	102.8	383.6	1085.	516.3
#2	104.7	382.5	1087.	571.0
#3	104.2	385.0	1088.	576.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3895.4**	**39996.**	**3767.6**
Stddev	9.6	378.	81.6
%RSD	.24728	.94426	2.1662
#1	3885.4	39575.	3674.3
#2	3904.7	40305.	3802.7
#3	3896.0	40107.	3825.7

Sample Name: 460-118857-a-5-d du Acquired: 8/21/2016 15:48:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18040.**	**17.73**	**.7014**	**474.5**	**.5574**	**134100.**
Stddev	6.	1.48	.7430	1.0	.1757	521.
%RSD	.0339	8.327	105.9	.2174	31.53	.3884
#1	18050.	18.65	-.0483	475.6	.7400	133500.
#2	18030.	18.52	1.437	473.6	.3895	134100.
#3	18040.	16.03	.7150	474.3	.5427	134600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3002**	**11.05**	**59.44**	**54.38**	**29420.**	**2937.**
Stddev	.1671	.29	.43	.76	266.	37.
%RSD	55.65	2.628	.7184	1.397	.9045	1.265
#1	-.4555	10.75	58.97	53.58	29420.	2934.
#2	-.3216	11.33	59.53	54.49	29690.	2976.
#3	-.1235	11.08	59.81	55.09	29160.	2902.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11110.**	**503.2**	**913.7**	**30.35**	**718.5**	**-.1265**
Stddev	132.	.7	8.1	.72	8.5	1.652
%RSD	1.191	.1435	.8895	2.382	1.190	1305.
#1	11000.	502.4	912.0	29.51	710.4	.8446
#2	11060.	503.6	922.5	30.80	717.5	.8093
#3	11250.	503.7	906.5	30.72	727.5	-2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-a-5-d du Acquired: 8/21/2016 15:48:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.582**	**1.272**	**43.20**	**643.5**	**27.44**	**5.149**
Stddev	2.058	1.956	1.35	8.3	.24	.162
%RSD	130.1	153.8	3.133	1.284	.8903	3.150
#1	.7889	1.295	41.69	635.5	27.64	5.336
#2	-2.905	3.217	43.59	642.8	27.17	5.057
#3	-2.630	-.6951	44.31	652.0	27.51	5.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.48**	**308.5**	**1141.**	**400.4**
Stddev	.72	.5	.	9.9
%RSD	6.903	.1512	.0252	2.466
#1	10.59	309.1	1141.	391.9
#2	11.14	308.2	1141.	411.3
#3	9.703	308.4	1141.	398.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3899.2**	**40193.**	**3823.9**
Stddev	4.8	39.	4.9
%RSD	.12286	.09693	.12729
#1	3903.3	40163.	3819.1
#2	3900.5	40237.	3828.9
#3	3893.9	40178.	3823.7

Sample Name: 460-118857-e-5-b@10 Acquired: 8/21/2016 15:52:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16940.**	**11.42**	**-.6500**	**446.2**	**.5270**	**116800.**
Stddev	76.	1.11	.3957	1.2	.0595	792.
%RSD	.4458	9.711	60.88	.2724	11.30	.6785
#1	16940.	12.08	-.2672	445.9	.5873	117600.
#2	17010.	10.14	-.6253	447.5	.4683	116100.
#3	16860.	12.03	-1.057	445.1	.5253	116600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2174**	**10.12**	**40.13**	**40.86**	**27490.**	**3023.**
Stddev	.1606	.14	1.00	.51	71.	29.
%RSD	73.87	1.413	2.503	1.245	.2593	.9600
#1	-.3969	10.000	39.82	40.32	27420.	3019.
#2	-.0873	10.07	41.26	40.91	27560.	2997.
#3	-.1681	10.28	39.32	41.33	27510.	3055.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11850.**	**597.3**	**668.0**	**29.07**	**806.3**	**.4852**
Stddev	10.	2.0	10.8	.68	4.4	.8993
%RSD	.0878	.3267	1.609	2.341	.5516	185.3
#1	11840.	599.5	680.1	28.54	801.9	.9716
#2	11850.	595.8	659.7	28.83	806.3	1.037
#3	11860.	596.7	664.2	29.83	810.8	-.5525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-5-b@10 Acquired: 8/21/2016 15:52:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6283**	**-1.344**	**44.20**	**513.2**	**20.86**	**3.946**
Stddev	3.058	2.446	.35	3.2	.21	.200
%RSD	486.8	181.9	.7966	.6329	1.020	5.079
#1	3.488	-1.366	44.59	511.6	21.05	3.717
#2	.9922	1.112	43.90	511.1	20.63	4.032
#3	-2.596	-3.779	44.11	517.0	20.89	4.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.089**	**260.1**	**1067.**	**383.6**
Stddev	.858	.6	3.	22.2
%RSD	14.08	.2232	.2600	5.785
#1	5.751	259.7	1064.	366.8
#2	5.452	260.7	1069.	408.8
#3	7.064	259.8	1068.	375.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3890.5**	**39770.**	**3745.5**
Stddev	8.0	525.	57.3
%RSD	.20664	1.3203	1.5290
#1	3881.4	39173.	3680.5
#2	3896.9	40159.	3788.3
#3	3893.1	39979.	3767.8

Sample Name: sd 460-118857-e-5-b Acquired: 8/21/2016 15:56:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3342.**	**5.091**	**.4097**	**89.46**	**.1283**	**22630.**
Stddev	8.	.296	.6338	.29	.0851	54.
%RSD	.2372	5.820	154.7	.3279	66.37	.2389
#1	3350.	4.888	1.109	89.14	.0438	22610.
#2	3334.	4.953	-.1277	89.72	.1269	22690.
#3	3343.	5.431	.2480	89.53	.2140	22580.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1118**	**2.099**	**7.269**	**6.995**	**5491.**	**588.4**
Stddev	.1933	.096	.551	.924	72.	33.3
%RSD	173.0	4.553	7.581	13.21	1.306	5.653
#1	-.1114	2.053	6.663	6.053	5412.	574.1
#2	.2207	2.209	7.740	7.900	5510.	626.4
#3	.2260	2.035	7.405	7.031	5551.	564.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2323.**	**123.5**	**168.9**	**5.797**	**161.9**	**2.147**
Stddev	52.	2.4	17.2	.228	1.1	2.905
%RSD	2.235	1.951	10.16	3.936	.6518	135.3
#1	2263.	121.0	149.4	6.059	162.4	5.477
#2	2348.	123.8	181.9	5.682	160.7	.8327
#3	2357.	125.7	175.2	5.649	162.7	.1321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118857-e-5-b Acquired: 8/21/2016 15:56:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2746**	**.6430**	**9.095**	**103.5**	**4.071**	**.9397**
Stddev	.4473	.6508	1.068	.4	.529	.0715
%RSD	162.9	101.2	11.75	.3962	12.98	7.612
#1	.5599	.8874	7.973	103.4	3.893	.9736
#2	.5048	-.0947	9.212	103.9	4.666	.8576
#3	-.2409	1.136	10.10	103.1	3.655	.9880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0992**	**52.29**	**219.0**	**55.80**
Stddev	.6624	.27	5.3	12.28
%RSD	667.4	.5121	2.434	22.01
#1	.5878	52.58	214.1	41.62
#2	-.7339	52.23	218.2	63.25
#3	-.1516	52.05	224.7	62.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.4**	**40238.**	**3695.6**
Stddev	30.4	149.	25.2
%RSD	.76839	.37064	.68127
#1	3935.9	40405.	3713.0
#2	3930.0	40191.	3666.8
#3	3985.3	40118.	3707.1

Sample Name: lcssrm 460-385938/2- Acquired: 8/21/2016 16:00:22 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40560.**	**282.2**	**266.7**	**591.1**	**353.9**	**33750.**
Stddev	773.	.3	1.4	.6	7.8	386.
%RSD	1.906	.0966	.5385	.1063	2.196	1.144
#1	39690.	281.9	265.1	590.4	345.0	33350.
#2	40800.	282.3	267.9	591.4	357.4	33770.
#3	41180.	282.5	267.1	591.5	359.3	34120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**414.7**	**319.3**	**357.0**	**270.3**	**78400.**	**11930.**
Stddev	1.1	.8	2.9	1.7	642.	247.
%RSD	.2599	.2559	.7986	.6197	.8184	2.073
#1	413.4	318.4	353.7	268.4	77700.	11650.
#2	415.2	319.7	358.7	271.3	78540.	12040.
#3	415.3	320.0	358.5	271.3	78960.	12110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13530.**	**1518.**	**4456.**	**339.9**	**434.6**	**243.5**
Stddev	149.	12.	83.	1.9	7.3	.5
%RSD	1.104	.8228	1.865	.5560	1.674	.1865
#1	13390.	1504.	4360.	337.7	427.7	243.5
#2	13510.	1522.	4493.	341.1	433.9	243.9
#3	13690.	1528.	4513.	340.9	442.2	243.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-385938/2- Acquired: 8/21/2016 16:00:22 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**379.1**	**998.2**	**292.0**	**1112.**	**407.6**	**286.2**
Stddev	4.0	13.9	1.0	9.	2.6	2.5
%RSD	1.046	1.391	.3297	.8205	.6301	.8694
#1	374.7	984.5	290.9	1103.	404.9	283.8
#2	382.3	1012.	292.8	1112.	410.0	288.8
#3	380.3	998.0	292.4	1121.	407.8	286.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**848.1**	**457.9**	**1815.**	**991.6**
Stddev	8.3	8.5	17.	8.0
%RSD	.9793	1.863	.9136	.8104
#1	838.7	448.1	1796.	991.1
#2	854.2	462.2	1821.	999.9
#3	851.4	463.5	1828.	983.8
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4008.2**	**41422.**	**3874.6**
Stddev	6.4	152.	44.1
%RSD	.16058	.36757	1.1379
#1	4001.3	41308.	3893.2
#2	4014.0	41595.	3906.4
#3	4009.2	41364.	3824.3

Sample Name: 460-118949-a-6-b@10 Acquired: 8/21/2016 16:04:03 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23530.**	**18.76**	**3.189**	**158.8**	**1.116**	**117200.**
Stddev	67.	1.89	.501	.5	.265	680.
%RSD	.2846	10.05	15.71	.3040	23.79	.5798
#1	23600.	20.46	2.985	159.3	1.027	116800.
#2	23480.	19.10	3.760	158.3	.9064	116900.
#3	23500.	16.73	2.823	158.8	1.414	118000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3924**	**15.32**	**178.5**	**140.0**	**45290.**	**5555.**
Stddev	.1887	.14	2.2	.4	114.	16.
%RSD	48.09	.8832	1.255	.2974	.2521	.2949
#1	.5341	15.47	176.4	139.5	45330.	5574.
#2	.1782	15.21	178.3	140.0	45160.	5543.
#3	.4650	15.28	180.9	140.3	45380.	5549.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16190.**	**1035.**	**10170.**	**69.26**	**138.1**	**-1.657**
Stddev	145.	3.	22.	.39	.9	2.180
%RSD	.8932	.3316	.2167	.5593	.6265	131.6
#1	16080.	1034.	10170.	69.60	137.3	.4847
#2	16130.	1032.	10200.	68.84	138.0	-3.874
#3	16350.	1039.	10150.	69.34	139.0	-1.582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118949-a-6-b@10 Acquired: 8/21/2016 16:04:03 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.413**	**-.0734**	**72.17**	**455.7**	**56.41**	**3.024**
Stddev	3.554	1.271	.62	7.1	.57	.377
%RSD	147.3	1731.	.8531	1.561	1.011	12.45
#1	1.386	-1.515	72.63	452.2	56.38	2.604
#2	-5.657	.4116	71.47	451.0	55.85	3.138
#3	-2.969	.8834	72.41	463.9	56.99	3.331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**30.79**	**639.6**	**698.0**	**630.7**
Stddev	.17	.6	1.0	19.7
%RSD	.5382	.0938	.1421	3.129
#1	30.61	640.0	698.3	610.1
#2	30.93	638.9	696.9	632.6
#3	30.84	639.9	698.8	649.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3922.7**	**40247.**	**3710.4**
Stddev	24.7	444.	1.3
%RSD	.62899	1.1040	.03535
#1	3944.0	40520.	3711.8
#2	3928.5	40487.	3710.4
#3	3895.7	39734.	3709.2

Sample Name: CCV Acquired: 8/21/2016 16:07:57 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127400.**	**2416.**	**1241.**	**10090.**	**1042.**	**132200.**
Stddev	318.	8.	2.	19.	3.	919.
%RSD	.2498	.3288	.1879	.1841	.2669	.6950
#1	127300.	2408.	1239.	10070.	1042.	131300.
#2	127100.	2424.	1243.	10090.	1039.	133100.
#3	127700.	2417.	1240.	10110.	1045.	132100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1263.**	**2490.**	**5305.**	**11790.**	**104400.**	**50460.**
Stddev	1.	1.	27.	38.	729.	160.
%RSD	.0656	.0550	.5126	.3261	.6982	.3168
#1	1263.	2489.	5276.	11750.	103700.	50370.
#2	1264.	2492.	5330.	11820.	105100.	50380.
#3	1263.	2490.	5308.	11810.	104400.	50650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**129500.**	**5303.**	**125700.**	**2543.**	**7600.**	**933.4**
Stddev	676.	29.	153.	8.	17.	5.8
%RSD	.5218	.5451	.1221	.2978	.2208	.6227
#1	128800.	5274.	125700.	2536.	7587.	931.7
#2	130200.	5332.	125500.	2542.	7594.	928.6
#3	129600.	5301.	125800.	2551.	7619.	939.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 16:07:57 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2338.**	**2519.**	**2520.**	**2694.**	**954.2**	**2368.**
Stddev	4.	22.	18.	1.	4.8	6.
%RSD	.1574	.8632	.7003	.0472	.5051	.2458
#1	2337.	2508.	2503.	2693.	953.1	2361.
#2	2342.	2544.	2538.	2694.	959.4	2370.
#3	2334.	2505.	2519.	2696.	950.0	2372.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1004.**	**5098.**	**10240.**	**8610.**
Stddev	7.	16.	42.	76.
%RSD	.6509	.3066	.4079	.8871
#1	1004.	5098.	10190.	8522.
#2	1010.	5082.	10270.	8649.
#3	996.9	5113.	10250.	8658.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3707.1**	**38050.**	**3551.4**
Stddev	2.7	193.	13.6
%RSD	.07257	.50643	.38194
#1	3704.0	38205.	3546.1
#2	3708.6	37834.	3566.8
#3	3708.8	38109.	3541.3

Sample Name: CCB Acquired: 8/21/2016 16:11:33 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.77**	**2.219**	**.8166**	**.6460**	**-.0678**	**19.49**
Stddev	11.74	1.185	.0519	.2874	.1535	7.58
%RSD	49.38	53.40	6.356	44.49	226.4	38.87
#1	26.60	1.222	.8251	.3261	-.2217	28.16
#2	10.87	3.529	.8638	.7294	-.0668	14.14
#3	33.83	1.907	.7610	.8824	.0852	16.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1148**	**.3315**	**-.0817**	**.3371**	**5.954**	**27.73**
Stddev	.0778	.5391	.5830	.5641	9.829	14.29
%RSD	67.73	162.6	713.2	167.4	165.1	51.54
#1	.0258	-.2018	-.6990	-.1071	9.653	25.29
#2	.1494	.8762	-.0060	.1466	13.40	43.09
#3	.1693	.3202	.4597	.9717	-5.189	14.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.15**	**.5589**	**73.84**	**-.2858**	**1.178**	**.3301**
Stddev	4.54	.1617	18.33	.5255	.938	.9146
%RSD	40.76	28.93	24.82	183.9	79.61	277.1
#1	12.13	.4667	81.19	-.0107	1.384	-.0190
#2	6.195	.4644	87.35	.0451	.1543	1.368
#3	15.12	.7456	52.97	-.8917	1.996	-.3587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 16:11:33 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6995**	**.0812**	**1.142**	**.4356**	**2.704**	**.8530**
Stddev	2.680	1.757	.329	.0800	.549	.4891
%RSD	383.2	2164.	28.76	18.36	20.30	57.34
#1	-3.096	-.5706	1.043	.4757	3.232	1.378
#2	2.195	-1.257	.8751	.4877	2.743	.7720
#3	-1.197	2.071	1.509	.3435	2.136	.4095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3596**	**.4684**	**1.198**	**-7.449**
Stddev	.9003	.2365	.286	8.903
%RSD	250.4	50.49	23.86	119.5
#1	-.8539	.2670	1.092	-14.10
#2	.6796	.7288	.9805	2.665
#3	-.9044	.4095	1.522	-10.91
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3892.4**	**39579.**	**3639.4**
Stddev	6.8	892.	94.1
%RSD	.17366	2.2526	2.5860
#1	3886.1	38550.	3532.8
#2	3899.5	40122.	3674.1
#3	3891.6	40065.	3711.2

Sample Name: CCVL Acquired: 8/21/2016 16:15:35 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**175.8**	**14.20**	**9.588**	**202.2**	**2.099**	**5084.**
Stddev	5.5	2.15	.378	.2	.103	6.
%RSD	3.103	15.15	3.946	.1103	4.893	.1116
#1	181.7	13.54	9.260	202.2	2.032	5088.
#2	171.0	12.45	9.502	202.0	2.048	5085.
#3	174.8	16.60	10.00	202.4	2.217	5077.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.305**	**51.23**	**10.04**	**22.31**	**164.0**	**4591.**
Stddev	.130	.27	.27	.40	14.5	12.
%RSD	3.014	.5254	2.707	1.797	8.825	.2610
#1	4.326	51.14	10.28	21.99	179.6	4601.
#2	4.423	51.03	10.10	22.76	161.2	4578.
#3	4.166	51.54	9.745	22.19	151.1	4594.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4911.**	**16.32**	**4598.**	**42.95**	**9.970**	**16.72**
Stddev	39.	.16	17.	.78	3.298	.49
%RSD	.8017	.9645	.3762	1.813	33.08	2.956
#1	4873.	16.37	4600.	42.92	9.502	16.47
#2	4952.	16.44	4579.	42.18	13.48	16.39
#3	4909.	16.14	4614.	43.74	6.930	17.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 16:15:35 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **13.03**	**19.75**	**50.64**	**34.53**	**46.52**	**18.84**
Stddev	4.24	1.93	1.20	.17	.53	.38
%RSD	32.52	9.791	2.370	.4948	1.146	2.007
#1	16.03	21.73	50.93	34.33	46.59	19.22
#2	8.183	19.65	51.67	34.62	45.96	18.83
#3	14.87	17.86	49.32	34.63	47.01	18.47
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	20.00					
Range	-30.50%					

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**49.88**	**19.89**	**21.00**	F **-14.59**
Stddev	.32	.08	.25	14.17
%RSD	.6449	.4149	1.173	97.09
#1	49.91	19.96	20.92	-3.071
#2	49.55	19.90	21.27	-10.30
#3	50.19	19.80	20.80	-30.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3959.7**	**40403.**	**3741.1**
Stddev	5.9	206.	88.4
%RSD	.14914	.50864	2.3624
#1	3953.4	40174.	3639.1
#2	3965.1	40462.	3790.0
#3	3960.5	40572.	3794.2

Sample Name: CCV Acquired: 8/21/2016 16:20:06 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127400.**	**2417.**	**1237.**	**10110.**	**1041.**	**131300.**
Stddev	271.	10.	2.	15.	2.	1172.
%RSD	.2125	.3976	.1765	.1458	.2304	.8922
#1	127300.	2426.	1234.	10130.	1044.	130100.
#2	127100.	2407.	1238.	10110.	1039.	132400.
#3	127700.	2417.	1238.	10100.	1041.	131500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1267.**	**2495.**	**5280.**	**11760.**	**104000.**	**50630.**
Stddev	2.	3.	29.	12.	653.	178.
%RSD	.1846	.1291	.5442	.1046	.6278	.3507
#1	1267.	2499.	5249.	11770.	103300.	50640.
#2	1270.	2493.	5306.	11740.	104600.	50440.
#3	1265.	2493.	5285.	11770.	104100.	50800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**128800.**	**5283.**	**125800.**	**2550.**	**7612.**	**939.8**
Stddev	780.	25.	397.	7.	15.	1.4
%RSD	.6056	.4692	.3159	.2786	.2012	.1516
#1	127900.	5257.	126300.	2558.	7628.	940.5
#2	129500.	5306.	125500.	2547.	7597.	940.8
#3	129000.	5286.	125700.	2544.	7610.	938.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 16:20:06 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2344.**	**2521.**	**2510.**	**2699.**	**957.6**	**2375.**
Stddev	20.	21.	15.	15.	5.7	4.
%RSD	.8496	.8254	.5986	.5550	.5940	.1719
#1	2349.	2516.	2492.	2687.	958.8	2379.
#2	2361.	2544.	2519.	2716.	962.6	2371.
#3	2322.	2503.	2518.	2695.	951.4	2375.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1009.**	**5111.**	**10210.**	**8612.**
Stddev	12.	14.	19.	12.
%RSD	1.176	.2717	.1883	.1423
#1	1008.	5127.	10190.	8618.
#2	1022.	5100.	10230.	8620.
#3	998.1	5106.	10190.	8598.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3696.8**	**38274.**	**3543.5**
Stddev	7.9	294.	19.6
%RSD	.21327	.76923	.55267
#1	3692.7	38502.	3546.8
#2	3691.9	37942.	3561.3
#3	3705.9	38379.	3522.5

Sample Name: CCB Acquired: 8/21/2016 16:23:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.883**	**.9337**	**.1685**	**.4786**	**-.0605**	**6.496**
Stddev	10.58	2.162	.2269	.3389	.1058	5.063
%RSD	216.7	231.5	134.7	70.80	175.0	77.93
#1	6.585	1.371	-.0828	.8175	.0165	9.750
#2	-6.446	-1.413	.3584	.4787	-.0168	.6632
#3	14.51	2.843	.2298	.1397	-.1811	9.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2420**	**.0956**	**.3355**	**-.5217**	**-12.41**	**47.25**
Stddev	.0934	.0478	.4373	.3671	6.85	19.88
%RSD	38.60	50.02	130.4	70.36	55.19	42.08
#1	.1542	.0870	.1367	-.7801	-20.20	54.83
#2	.2316	.0527	.0329	-.6835	-7.332	62.23
#3	.3401	.1471	.8368	-.1015	-9.693	24.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.645**	**.2860**	**55.16**	**-.0865**	**2.093**	**1.239**
Stddev	9.590	.0922	55.09	.0616	2.329	1.274
%RSD	206.4	32.24	99.87	71.25	111.3	102.8
#1	15.62	.3327	118.6	-.0908	-.1816	.5650
#2	-2.138	.3455	26.74	-.0228	1.988	2.709
#3	.4570	.1798	20.08	-.1459	4.472	.4438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 16:23:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.994**	**.4523**	**1.083**	**.1972**	**2.581**	**1.174**
Stddev	1.295	1.156	.198	.1499	.210	.149
%RSD	64.95	255.7	18.29	75.99	8.134	12.71
#1	-1.122	-.0480	1.234	.1422	2.821	1.324
#2	-1.378	1.775	1.157	.3668	2.491	1.025
#3	-3.482	-.3698	.8591	.0826	2.431	1.173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0848**	**.3050**	**.7181**	**-6.254**
Stddev	.2948	.1214	.3727	12.37
%RSD	347.8	39.79	51.90	197.8
#1	.1309	.4441	1.140	2.807
#2	-.4207	.2209	.4321	-1.219
#3	.0355	.2500	.5827	-20.35
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3924.2**	**40215.**	**3639.0**
Stddev	2.0	70.	42.0
%RSD	.05023	.17286	1.1529
#1	3921.9	40256.	3591.1
#2	3925.3	40134.	3656.6
#3	3925.4	40253.	3669.4

Sample Name: CCVL Acquired: 8/21/2016 16:27:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**193.3**	**15.85**	**9.387**	**203.5**	**2.054**	**5040.**
Stddev	22.0	1.32	.475	.7	.116	47.
%RSD	11.36	8.320	5.058	.3216	5.660	.9284
#1	218.4	14.40	9.022	204.2	2.130	5089.
#2	183.7	16.18	9.924	202.8	2.111	4996.
#3	177.7	16.98	9.216	203.6	1.920	5034.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.213**	**51.71**	**10.34**	**22.65**	**155.1**	**4694.**
Stddev	.272	.27	.12	.49	3.0	28.
%RSD	6.459	.5152	1.142	2.182	1.925	.5965
#1	3.900	51.99	10.33	22.23	152.2	4721.
#2	4.394	51.68	10.46	23.20	154.9	4696.
#3	4.345	51.46	10.22	22.54	158.2	4665.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4953.**	**16.34**	**4657.**	**42.15**	**11.45**	**16.50**
Stddev	4.	.16	14.	.85	4.18	.55
%RSD	.0897	.9815	.2905	2.021	36.54	3.336
#1	4958.	16.28	4656.	41.96	15.11	17.05
#2	4949.	16.21	4671.	41.41	6.887	16.51
#3	4953.	16.52	4644.	43.08	12.34	15.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 16:27:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.63**	**21.69**	**50.91**	**33.87**	**47.21**	**18.78**
Stddev	1.94	1.93	1.72	.16	.17	.29
%RSD	11.01	8.880	3.376	.4658	.3567	1.570
#1	18.84	20.25	49.11	33.89	47.38	18.74
#2	18.65	23.88	52.54	34.01	47.19	19.09
#3	15.39	20.95	51.06	33.70	47.05	18.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**50.20**	**20.09**	**21.00**	F **-14.49**
Stddev	.61	.14	.01	17.37
%RSD	1.220	.6739	.0710	119.9
#1	50.78	20.04	20.98	-26.96
#2	49.56	20.24	21.01	5.356
#3	50.25	19.98	21.00	-21.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3994.8**	**41143.**	**3784.4**
Stddev	12.7	630.	138.9
%RSD	.31871	1.5314	3.6697
#1	3988.6	40425.	3624.1
#2	4009.4	41604.	3869.6
#3	3986.3	41399.	3859.4

Sample Name: 460-118923-c-8-a@10 Acquired: 8/21/2016 16:31:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11050.**	**4.525**	**.4164**	**61.07**	**.2313**	**1742.**
Stddev	695.	2.481	.5377	2.32	.1216	52.
%RSD	6.287	54.83	129.1	3.797	52.58	3.001
#1	10680.	3.084	.6399	58.53	.2144	1692.
#2	11850.	7.390	-.1970	63.08	.1190	1797.
#3	10610.	3.101	.8062	61.59	.3604	1738.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.082**	**9.712**	**17.43**	**18.60**	**28040.**	**817.1**
Stddev	.220	.099	.87	1.29	1144.	32.8
%RSD	20.35	1.019	4.969	6.958	4.081	4.011
#1	-1.046	9.744	16.43	17.43	27020.	814.0
#2	-1.318	9.791	18.02	19.99	29280.	851.3
#3	-.8821	9.601	17.83	18.38	27830.	786.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2696.**	**993.6**	**149.3**	**16.10**	**-6.130**	**1.083**
Stddev	128.	28.7	18.8	.88	1.885	2.329
%RSD	4.755	2.885	12.61	5.477	30.74	214.9
#1	2583.	966.9	170.7	15.64	-4.610	3.378
#2	2835.	1024.	135.1	17.11	-8.238	1.150
#3	2670.	989.9	142.2	15.54	-5.542	-1.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-8-a@10 Acquired: 8/21/2016 16:31:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.558**	**-.5698**	**38.46**	**39.81**	**2.299**	**.6180**
Stddev	.867	3.053	1.83	1.51	.139	.1956
%RSD	33.89	535.7	4.757	3.806	6.055	31.65
#1	-2.086	1.972	36.78	38.27	2.203	.4457
#2	-3.559	.2744	40.41	41.30	2.235	.8307
#3	-2.030	-3.956	38.21	39.87	2.458	.5777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3990**	**6.876**	**804.9**	**243.1**
Stddev	.2224	.388	24.3	2.9
%RSD	55.75	5.641	3.013	1.196
#1	.6553	6.795	784.1	239.9
#2	.2848	7.298	831.5	245.6
#3	.2569	6.534	799.0	243.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4067.2**	**41600.**	**3759.8**
Stddev	82.3	710.	153.5
%RSD	2.0247	1.7059	4.0821
#1	4149.8	42213.	3872.5
#2	3985.1	40822.	3585.0
#3	4066.8	41764.	3822.0

Sample Name: pds 460-118911-d-8-a Acquired: 8/21/2016 16:35:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**91480.**	**1797.**	**46.67**	**2394.**	**53.81**	**20840.**
Stddev	564.	35.	2.48	44.	.56	753.
%RSD	.6165	1.962	5.302	1.831	1.044	3.612
#1	90900.	1756.	44.39	2344.	53.16	20070.
#2	92030.	1819.	49.30	2423.	54.06	21580.
#3	91520.	1815.	46.31	2415.	54.20	20880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44.62**	**504.5**	**302.0**	**249.3**	**95630.**	**52250.**
Stddev	.76	10.1	10.9	9.7	3575.	210.
%RSD	1.707	1.997	3.598	3.891	3.739	.4024
#1	44.08	492.8	291.4	239.7	92060.	52030.
#2	44.29	510.4	313.1	259.1	99210.	52440.
#3	45.49	510.1	301.4	248.9	95620.	52270.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43840.**	**1618.**	**18890.**	**563.0**	**524.2**	**418.1**
Stddev	1614.	59.	83.	11.3	9.1	9.7
%RSD	3.681	3.642	.4375	2.007	1.745	2.329
#1	42230.	1559.	18790.	550.0	514.6	406.9
#2	45450.	1677.	18940.	570.1	525.3	423.4
#3	43830.	1619.	18930.	568.9	532.8	424.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118911-d-8-a Acquired: 8/21/2016 16:35:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1728.**	**1927.**	**580.2**	**922.0**	**446.5**	**455.6**
Stddev	45.	45.	19.9	18.5	10.2	12.0
%RSD	2.600	2.333	3.430	2.005	2.285	2.626
#1	1677.	1876.	559.0	900.7	434.7	441.8
#2	1746.	1947.	598.5	932.5	452.0	462.7
#3	1761.	1959.	583.2	932.9	452.8	462.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**483.6**	**507.0**	**7409.**	**1005.**
Stddev	12.2	2.4	264.	28.
%RSD	2.520	.4765	3.562	2.768
#1	469.5	507.2	7155.	975.8
#2	490.8	509.3	7682.	1009.
#3	490.5	504.5	7390.	1031.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4027.3**	**41289.**	**3881.5**
Stddev	42.1	898.	14.4
%RSD	1.0444	2.1755	.37208
#1	4074.8	41993.	3880.4
#2	3994.7	40277.	3867.7
#3	4012.5	41596.	3896.5

Sample Name: 460-118911-d-8-c ms Acquired: 8/21/2016 16:39:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**118800.**	**947.8**	**25.39**	**1622.**	**30.75**	**12280.**
Stddev	2314.	3.4	.93	2.	.43	79.
%RSD	1.947	.3554	3.659	.1155	1.389	.6421
#1	116200.	944.6	25.41	1620.	30.46	12190.
#2	120400.	951.3	26.31	1622.	30.56	12330.
#3	119900.	947.3	24.45	1624.	31.24	12320.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.84**	**289.7**	**236.7**	**144.5**	**127200.**	**55700.**
Stddev	.10	.2	2.5	.7	621.	1113.
%RSD	.4623	.0767	1.042	.5065	.4880	1.999
#1	21.94	289.6	233.9	143.7	126500.	54430.
#2	21.86	289.6	238.2	145.1	127600.	56490.
#3	21.74	290.0	238.0	144.8	127500.	56170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43360.**	**1732.**	**10330.**	**361.0**	**312.0**	**87.94**
Stddev	262.	8.	174.	1.3	2.0	1.67
%RSD	.6040	.4658	1.680	.3666	.6436	1.903
#1	43060.	1722.	10140.	362.5	314.3	86.16
#2	43530.	1737.	10470.	360.0	311.1	88.16
#3	43490.	1735.	10380.	360.5	310.6	89.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118911-d-8-c ms Acquired: 8/21/2016 16:39:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**911.0**	**1024.**	**380.7**	**828.8**	**228.3**	**236.6**
Stddev	9.5	10.	3.0	2.5	3.2	3.2
%RSD	1.038	.9871	.7853	.3048	1.403	1.368
#1	900.7	1012.	377.8	826.2	224.6	232.9
#2	919.2	1030.	383.8	831.3	229.6	237.8
#3	913.3	1030.	380.6	829.0	230.6	239.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**234.9**	**276.9**	**9210.**	**1285.**
Stddev	3.9	5.1	31.	37.
%RSD	1.676	1.852	.3403	2.865
#1	230.5	271.1	9175.	1243.
#2	237.9	280.6	9234.	1310.
#3	236.4	279.2	9221.	1303.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4011.6**	**41426.**	**3924.8**
Stddev	8.0	93.	29.6
%RSD	.19930	.22369	.75370
#1	4002.6	41407.	3955.6
#2	4017.8	41345.	3896.6
#3	4014.5	41527.	3922.0

Sample Name: 460-118911-d-8-b du Acquired: 8/21/2016 16:43:06 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**104500.**	**3.822**	**1.302**	**533.8**	**4.957**	**1915.**
Stddev	1947.	3.206	.967	1.5	.072	27.
%RSD	1.863	83.89	74.25	.2761	1.461	1.435
#1	102600.	7.462	1.637	534.3	4.887	1884.
#2	106500.	1.418	2.057	535.0	4.952	1936.
#3	104500.	2.585	.2123	532.2	5.031	1923.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.438**	**32.74**	**120.5**	**27.31**	**110600.**	**38100.**
Stddev	.249	.45	.6	.65	840.	752.
%RSD	7.252	1.389	.5267	2.395	.7596	1.974
#1	-3.196	32.93	119.8	26.56	109700.	37310.
#2	-3.694	33.06	120.7	27.62	110900.	38810.
#3	-3.425	32.22	121.0	27.75	111300.	38170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28920.**	**1343.**	**861.0**	**90.58**	**53.62**	**-2.015**
Stddev	191.	10.	38.5	.25	3.07	2.937
%RSD	.6596	.7264	4.469	.2815	5.732	145.8
#1	28720.	1332.	826.7	90.44	52.76	-2.853
#2	28950.	1346.	902.6	90.87	57.03	1.250
#3	29100.	1351.	853.8	90.43	51.07	-4.442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118911-d-8-b du Acquired: 8/21/2016 16:43:06 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.269**	**6.106**	**114.6**	**485.1**	**.1705**	**1.222**
Stddev	1.046	1.078	2.7	5.4	.6228	.530
%RSD	46.09	17.65	2.337	1.123	365.4	43.34
#1	1.194	4.938	111.5	485.3	.8533	.9742
#2	2.330	7.061	116.3	490.4	-.3664	.8621
#3	3.284	6.320	116.1	479.5	.0245	1.831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-5.494**	**24.39**	**7925.**	**980.7**
Stddev	.418	.36	26.	20.7
%RSD	7.604	1.496	.3220	2.111
#1	-5.683	24.06	7895.	1004.
#2	-5.784	24.78	7939.	974.2
#3	-5.016	24.34	7940.	964.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4036.0**	**40962.**	**3849.6**
Stddev	43.2	182.	91.7
%RSD	1.0705	.44515	2.3810
#1	4000.6	41132.	3933.0
#2	4023.2	40986.	3751.5
#3	4084.1	40769.	3864.4

Sample Name: 460-118911-d-8-a@4 Acquired: 8/21/2016 16:46:58 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**87160.**	**1.568**	**.9958**	**457.1**	**4.057**	**1632.**
Stddev	2434.	.852	1.024	1.1	.112	8.
%RSD	2.793	54.33	102.8	.2443	2.748	.5102
#1	84380.	1.058	1.909	456.5	4.177	1627.
#2	88940.	2.552	-.1110	458.4	3.956	1642.
#3	88140.	1.095	1.189	456.4	4.037	1628.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.876**	**28.23**	**100.1**	**22.81**	**95820.**	**32830.**
Stddev	.036	.19	1.4	.29	243.	896.
%RSD	1.259	.6663	1.380	1.272	.2533	2.729
#1	-2.838	28.27	98.47	22.47	95540.	31820.
#2	-2.911	28.40	101.0	22.97	95930.	33530.
#3	-2.879	28.03	100.7	22.98	95980.	33150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25110.**	**1130.**	**724.6**	**77.30**	**47.45**	**-3.618**
Stddev	67.	3.	26.8	.92	.63	1.841
%RSD	.2688	.2963	3.694	1.191	1.324	50.87
#1	25030.	1126.	703.9	76.62	46.96	-4.417
#2	25140.	1132.	754.8	76.92	47.23	-1.513
#3	25160.	1131.	715.1	78.35	48.16	-4.925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118911-d-8-a@4 Acquired: 8/21/2016 16:46:58 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.115**	**4.636**	**98.65**	**423.2**	**-1.114**	**.9671**
Stddev	1.705	.779	1.79	4.2	.509	.3063
%RSD	41.42	16.80	1.814	1.004	45.68	31.67
#1	5.766	4.306	96.86	419.0	-1.687	.7401
#2	4.219	4.076	98.63	423.1	-.9380	1.315
#3	2.361	5.525	100.4	427.5	-.7160	.8458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-5.130**	**20.08**	**6898.**	**946.8**
Stddev	.545	.63	23.	41.8
%RSD	10.62	3.154	.3308	4.411
#1	-5.496	19.35	6872.	899.6
#2	-4.504	20.36	6912.	961.7
#3	-5.390	20.52	6910.	979.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4048.1**	**41209.**	**3935.3**
Stddev	5.2	68.	55.1
%RSD	.12818	.16428	1.4008
#1	4043.0	41131.	3999.0
#2	4048.0	41236.	3903.9
#3	4053.3	41258.	3903.1

Sample Name: sd 460-118911-d-8-a Acquired: 8/21/2016 16:50:51 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17770.**	**3.557**	**.3365**	**91.91**	**.7750**	**333.4**
Stddev	138.	.893	.2425	.31	.0929	2.8
%RSD	.7787	25.10	72.07	.3418	11.99	.8451
#1	17920.	3.274	.2341	91.67	.8499	331.4
#2	17740.	4.557	.1619	92.26	.8040	336.7
#3	17640.	2.840	.6134	91.78	.6710	332.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5720**	**5.911**	**19.79**	**3.070**	**19820.**	**6729.**
Stddev	.1925	.082	.50	.567	290.	58.
%RSD	33.65	1.383	2.533	18.45	1.464	.8583
#1	-.5076	5.977	20.23	2.473	19590.	6793.
#2	-.4199	5.938	19.25	3.600	19720.	6712.
#3	-.7884	5.820	19.90	3.138	20150.	6682.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5163.**	**234.5**	**142.1**	**16.15**	**8.014**	**.5785**
Stddev	67.	3.6	3.6	.22	.885	1.638
%RSD	1.302	1.550	2.504	1.386	11.04	283.1
#1	5101.	231.4	138.1	15.96	7.502	1.246
#2	5153.	233.7	145.1	16.11	9.036	-1.287
#3	5235.	238.5	143.1	16.40	7.505	1.777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118911-d-8-a Acquired: 8/21/2016 16:50:51 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.305**	**.9759**	**19.69**	**85.20**	**.3959**	**.1521**
Stddev	2.370	1.440	.25	.18	.6202	.1570
%RSD	55.06	147.5	1.290	.2123	156.6	103.2
#1	-6.166	2.079	19.86	85.25	-.2678	.3226
#2	-5.112	-.6529	19.81	85.00	.4948	.0135
#3	-1.636	1.502	19.40	85.35	.9606	.1201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.293**	**4.086**	**1367.**	**166.2**
Stddev	.575	.083	1.	18.5
%RSD	44.48	2.022	.0862	11.16
#1	-.7806	4.002	1368.	151.5
#2	-1.915	4.090	1366.	187.0
#3	-1.183	4.167	1368.	160.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4064.8**	**41647.**	**3803.6**
Stddev	10.9	133.	53.4
%RSD	.26909	.32047	1.4032
#1	4068.3	41721.	3752.9
#2	4052.6	41493.	3798.6
#3	4073.6	41726.	3859.3

Sample Name: 460-118876-a-2-a@4 Acquired: 8/21/2016 16:54:47 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**86780.**	**39.81**	**.8740**	**393.5**	**3.420**	**7255.**
Stddev	199.	2.88	.1784	.6	.059	31.
%RSD	.2296	7.240	20.41	.1408	1.717	.4253
#1	86720.	42.15	1.073	392.9	3.430	7236.
#2	86620.	40.68	.7284	393.7	3.357	7237.
#3	87000.	36.59	.8205	393.9	3.473	7290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.572**	**36.18**	**169.2**	**59.11**	**177600.**	**6213.**
Stddev	.148	.26	.9	.86	415.	38.
%RSD	2.661	.7297	.5315	1.447	.2335	.6085
#1	-5.617	35.92	168.2	58.38	177100.	6208.
#2	-5.692	36.17	169.3	60.05	177700.	6178.
#3	-5.406	36.44	170.0	58.91	177900.	6253.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12830.**	**997.2**	**2041.**	**57.30**	**13.30**	**-1.740**
Stddev	226.	3.1	10.	.83	.29	1.457
%RSD	1.758	.3128	.5063	1.441	2.202	83.72
#1	12590.	993.8	2035.	57.20	13.05	-1.459
#2	12840.	998.0	2053.	56.53	13.22	-3.317
#3	13040.	999.8	2036.	58.17	13.62	-.4444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-2-a@4 Acquired: 8/21/2016 16:54:47 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.179**	**-2.241**	**210.3**	**198.0**	**15.50**	**5.281**
Stddev	1.780	2.085	2.4	1.8	.46	.207
%RSD	151.0	93.04	1.152	.8859	2.964	3.928
#1	2.534	.1618	208.0	196.2	14.97	5.118
#2	1.840	-3.576	210.1	199.7	15.72	5.211
#3	-.8372	-3.309	212.8	198.3	15.80	5.515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.455**	**70.38**	**2293.**	**941.4**
Stddev	.422	.34	5.	11.7
%RSD	9.472	.4873	.2174	1.246
#1	4.926	70.25	2288.	954.7
#2	4.111	70.13	2293.	932.7
#3	4.327	70.77	2298.	936.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.0**	**41490.**	**3871.8**
Stddev	18.2	154.	22.5
%RSD	.45033	.37152	.58223
#1	4030.3	41314.	3848.2
#2	4053.4	41602.	3893.1
#3	4066.4	41553.	3874.0

Sample Name: 460-118876-a-3-a@4 Acquired: 8/21/2016 16:58:38 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**55120.**	**18.03**	**.8491**	**222.2**	**2.971**	**6585.**
Stddev	108.	1.79	.7606	.3	.134	34.
%RSD	.1966	9.944	89.58	.1140	4.524	.5123
#1	55220.	17.92	.2518	222.3	2.869	6550.
#2	55150.	19.88	1.705	222.4	3.123	6617.
#3	55000.	16.30	.5901	221.9	2.920	6589.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.203**	**26.62**	**128.0**	**43.23**	**75530.**	**4478.**
Stddev	.134	.51	.8	.36	135.	37.
%RSD	6.100	1.924	.5869	.8222	.1789	.8356
#1	-2.048	26.28	127.4	43.21	75460.	4435.
#2	-2.276	26.37	127.8	43.60	75440.	4494.
#3	-2.284	27.21	128.9	42.89	75680.	4504.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13280.**	**732.7**	**1098.**	**69.68**	**55.17**	**-.8538**
Stddev	93.	1.7	4.	.84	1.40	1.049
%RSD	.7023	.2358	.3842	1.212	2.535	122.9
#1	13180.	730.8	1097.	68.94	54.00	.2493
#2	13310.	733.2	1094.	69.51	54.79	-.9715
#3	13350.	734.2	1102.	70.60	56.72	-1.839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-3-a@4 Acquired: 8/21/2016 16:58:38 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.086**	**-.9082**	**133.1**	**251.3**	**19.69**	**1.385**
Stddev	5.610	.9024	.6	1.0	.73	.305
%RSD	269.0	99.35	.4372	.4171	3.693	21.99
#1	-2.977	-1.927	132.6	250.2	20.05	1.123
#2	8.117	-.5884	133.0	251.7	20.18	1.719
#3	1.118	-.2093	133.7	252.2	18.86	1.314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.989**	**53.78**	**1522.**	**902.4**
Stddev	1.118	.11	1.	4.5
%RSD	18.66	.2033	.0832	.4940
#1	6.589	53.89	1521.	907.1
#2	6.679	53.78	1524.	898.3
#3	4.700	53.67	1522.	901.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4137.3**	**42333.**	**3894.4**
Stddev	10.2	105.	21.1
%RSD	.24766	.24734	.54196
#1	4130.2	42213.	3874.7
#2	4132.6	42384.	3916.7
#3	4149.0	42403.	3891.7

Sample Name: 460-118895-e-1-a@4 Acquired: 8/21/2016 17:02:29 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**214000.**	**4.165**	**-.5585**	**1463.**	**5.898**	**7213.**
Stddev	7867.	.924	.6515	16.	.294	209.
%RSD	3.676	22.18	116.7	1.073	4.982	2.901
#1	208900.	5.123	-.1272	1445.	6.229	7022.
#2	223100.	3.280	-.2403	1475.	5.796	7437.
#3	210000.	4.092	-1.308	1469.	5.668	7180.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.785**	**117.5**	**341.9**	**44.41**	**182600.**	**51360.**
Stddev	.402	.9	7.7	.96	4516.	1821.
%RSD	6.944	.7288	2.243	2.151	2.473	3.546
#1	-5.545	116.6	335.0	43.38	178600.	50220.
#2	-6.249	117.5	350.2	45.28	187500.	53460.
#3	-5.561	118.3	340.5	44.56	181900.	50400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49050.**	**1666.**	**6717.**	**193.6**	**78.67**	**3.276**
Stddev	1215.	41.	221.	1.6	5.17	.709
%RSD	2.478	2.471	3.285	.8276	6.570	21.64
#1	47920.	1628.	6601.	191.8	78.81	2.860
#2	50340.	1710.	6971.	195.0	73.43	2.873
#3	48880.	1660.	6579.	193.9	83.76	4.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118895-e-1-a@4 Acquired: 8/21/2016 17:02:29 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.451**	**6.111**	**423.4**	**370.4**	**3.441**	**4.820**
Stddev	1.850	1.824	12.7	3.1	.563	.567
%RSD	28.68	29.85	2.997	.8383	16.37	11.75
#1	6.376	8.001	412.2	367.5	3.136	4.266
#2	4.639	4.361	437.2	370.2	3.096	4.795
#3	8.338	5.970	420.8	373.7	4.091	5.399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-21.04**	**81.88**	**16440.**	**1692.**
Stddev	.64	2.98	427.	43.
%RSD	3.059	3.638	2.599	2.521
#1	-20.63	79.75	16060.	1649.
#2	-21.78	85.28	16900.	1735.
#3	-20.72	80.60	16340.	1691.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4099.2**	**41195.**	**3926.2**
Stddev	14.0	770.	86.9
%RSD	.34223	1.8699	2.2132
#1	4114.9	41895.	3967.0
#2	4088.0	40370.	3826.5
#3	4094.6	41319.	3985.2

Sample Name: lcssrm 460-385942/2- Acquired: 8/21/2016 17:06:26 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43010.**	**278.2**	**265.4**	**590.1**	**362.2**	**34650.**
Stddev	1035.	1.9	1.6	.6	8.2	221.
%RSD	2.406	.6849	.5989	.1101	2.261	.6385
#1	41810.	276.5	263.9	589.4	352.9	34490.
#2	43590.	277.8	265.4	590.7	368.5	34540.
#3	43610.	280.2	267.1	590.0	365.1	34900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**403.9**	**315.2**	**355.9**	**273.3**	**76320.**	**12300.**
Stddev	.4	.7	2.4	1.2	357.	297.
%RSD	.1057	.2154	.6806	.4542	.4676	2.415
#1	403.4	314.9	354.9	272.9	76160.	11960.
#2	403.9	316.0	354.2	274.6	76060.	12500.
#3	404.3	314.7	358.7	272.2	76720.	12450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13910.**	**1459.**	**4417.**	**337.0**	**426.6**	**180.4**
Stddev	90.	6.	97.	1.0	2.3	2.8
%RSD	.6443	.3986	2.204	.2888	.5474	1.550
#1	13860.	1458.	4307.	336.2	424.1	178.5
#2	13860.	1454.	4490.	336.8	428.7	183.7
#3	14020.	1465.	4456.	338.1	426.9	179.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-385942/2- Acquired: 8/21/2016 17:06:26 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**373.9**	**992.3**	**290.0**	**1113.**	**395.9**	**274.3**
Stddev	4.9	11.0	1.5	1.	3.2	3.1
%RSD	1.313	1.105	.5289	.0828	.8032	1.147
#1	368.3	980.9	289.4	1112.	392.8	271.4
#2	376.3	993.2	288.9	1113.	395.8	273.9
#3	377.2	1003.	291.8	1114.	399.2	277.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**829.1**	**465.2**	**1885.**	**1057.**
Stddev	4.8	9.8	3.	3.
%RSD	.5769	2.114	.1464	.3263
#1	824.4	453.9	1886.	1053.
#2	829.1	472.0	1882.	1059.
#3	833.9	469.6	1888.	1059.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4069.9**	**41686.**	**3886.1**
Stddev	10.1	164.	81.6
%RSD	.24703	.39240	2.0987
#1	4059.9	41583.	3980.2
#2	4069.7	41874.	3836.8
#3	4080.0	41600.	3841.2

Sample Name: CCV Acquired: 8/21/2016 17:10:08 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123500.**	**2357.**	**1202.**	**9811.**	**1015.**	**127300.**
Stddev	513.	12.	5.	54.	5.	606.
%RSD	.4155	.5194	.4264	.5471	.4469	.4759
#1	123100.	2346.	1196.	9764.	1010.	127500.
#2	123400.	2355.	1206.	9800.	1015.	127800.
#3	124100.	2370.	1204.	9870.	1019.	126600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1226.**	**2428.**	**5119.**	**11460.**	**101000.**	**49090.**
Stddev	5.	13.	14.	19.	312.	180.
%RSD	.4321	.5365	.2724	.1616	.3085	.3661
#1	1222.	2418.	5122.	11460.	101000.	48990.
#2	1224.	2423.	5131.	11440.	101200.	48980.
#3	1232.	2443.	5104.	11470.	100600.	49300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125200.**	**5130.**	**122700.**	**2487.**	**7379.**	**913.5**
Stddev	463.	16.	208.	18.	37.	4.5
%RSD	.3692	.3195	.1696	.7268	.5042	.4891
#1	125300.	5135.	122900.	2474.	7345.	908.3
#2	125700.	5144.	122500.	2480.	7373.	916.0
#3	124800.	5112.	122700.	2508.	7419.	916.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 17:10:08 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2257.**	**2449.**	**2436.**	**2612.**	**926.8**	**2302.**
Stddev	5.	15.	11.	11.	4.4	13.
%RSD	.2074	.5986	.4421	.4221	.4694	.5478
#1	2256.	2453.	2440.	2606.	927.5	2290.
#2	2253.	2433.	2443.	2606.	922.1	2300.
#3	2262.	2462.	2423.	2625.	930.7	2315.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**970.0**	**4977.**	**9962.**	**8396.**
Stddev	4.7	21.	8.	89.
%RSD	.4801	.4179	.0842	1.065
#1	973.9	4962.	9953.	8347.
#2	964.8	4969.	9970.	8342.
#3	971.2	5001.	9963.	8499.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3800.0**	**39183.**	**3652.2**
Stddev	14.1	209.	12.4
%RSD	.37168	.53273	.33936
#1	3809.0	39146.	3664.7
#2	3807.3	38995.	3639.9
#3	3783.7	39407.	3652.2

Sample Name: CCB Acquired: 8/21/2016 17:13:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.650**	**2.492**	**.5229**	**.0374**	**-.1079**	**4.375**
Stddev	26.22	2.571	.1898	.5951	.1374	12.72
%RSD	464.1	103.2	36.29	1593.	127.3	290.6
#1	34.01	2.633	.6234	.7032	.0212	-2.409
#2	.6407	-.1471	.6414	-.1487	-.2523	19.04
#3	-17.70	4.989	.3040	-.4424	-.0926	-3.510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0466**	**.0098**	**.0707**	**-.1859**	**18.65**	**50.04**
Stddev	.1457	.1802	.2120	1.337	32.90	46.18
%RSD	312.8	1846.	299.8	719.2	176.4	92.28
#1	.0718	.1540	-.0186	1.356	55.22	101.0
#2	-.1101	-.1922	-.0820	-.8869	-8.562	38.10
#3	.1781	.0675	.3128	-1.027	9.289	11.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.546**	**.5133**	**42.76**	**-.2679**	**.2060**	**.0926**
Stddev	13.85	.6300	26.46	.2659	2.502	.5361
%RSD	390.6	122.7	61.90	99.26	1215.	579.2
#1	19.53	1.241	62.23	-.0991	3.055	.6020
#2	-3.937	.1435	53.42	-.1301	-1.633	-.4667
#3	-4.952	.1558	12.62	-.5743	-.8042	.1424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 17:13:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.429**	**-.2888**	**.8413**	**.1223**	**2.329**	**.9661**
Stddev	1.531	2.705	.4816	.1548	.360	.5708
%RSD	63.04	936.7	57.24	126.6	15.46	59.08
#1	-1.517	2.790	1.217	.1420	2.737	1.439
#2	-4.197	-2.286	.2985	.2663	2.053	1.128
#3	-1.573	-1.370	1.008	-.0414	2.199	.3320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2427**	**.3186**	**1.606**	**.7249**
Stddev	.2480	.4359	2.105	22.71
%RSD	102.2	136.8	131.1	3133.
#1	-.1115	.8151	4.030	3.403
#2	-.0879	-.0011	.5486	21.98
#3	-.5287	.1417	.2397	-23.21
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4025.2**	**41630.**	**3904.8**
Stddev	12.6	97.	16.7
%RSD	.31280	.23341	.42888
#1	4039.7	41681.	3888.1
#2	4017.5	41518.	3921.6
#3	4018.4	41692.	3904.7

Sample Name: CCVL Acquired: 8/21/2016 17:17:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**193.9**	**13.61**	**9.532**	**202.4**	**1.913**	**5027.**
Stddev	18.9	1.24	.958	.6	.079	22.
%RSD	9.760	9.095	10.05	.2790	4.140	.4282
#1	173.4	14.61	10.61	202.1	1.998	5016.
#2	210.8	14.00	8.779	203.0	1.900	5014.
#3	197.4	12.22	9.208	202.0	1.841	5052.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.182**	**51.01**	**10.39**	**21.18**	**166.0**	**4688.**
Stddev	.046	.22	.21	1.01	8.2	87.
%RSD	1.109	.4337	2.051	4.747	4.969	1.848
#1	4.233	50.90	10.44	20.83	171.2	4610.
#2	4.173	51.26	10.58	20.40	156.5	4674.
#3	4.141	50.86	10.16	22.32	170.2	4781.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4867.**	**15.85**	**4625.**	**41.63**	**10.81**	**17.56**
Stddev	54.	.16	23.	.14	1.44	2.31
%RSD	1.107	1.035	.5077	.3252	13.31	13.18
#1	4825.	15.67	4598.	41.77	12.15	16.05
#2	4847.	15.90	4635.	41.59	11.00	20.22
#3	4928.	15.99	4641.	41.51	9.292	16.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 17:17:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.29**	**22.11**	**50.03**	**34.35**	**46.19**	**19.20**
Stddev	1.44	1.22	.54	.39	.31	.29
%RSD	9.437	5.499	1.081	1.149	.6768	1.487
#1	15.85	21.39	50.06	34.47	46.05	19.23
#2	16.37	23.51	49.48	33.91	45.97	19.47
#3	13.65	21.42	50.56	34.67	46.54	18.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**49.76**	**19.90**	**20.71**	F **4.058**
Stddev	.03	.25	.50	17.09
%RSD	.0631	1.271	2.406	421.1
#1	49.72	19.62	20.25	-15.46
#2	49.79	20.02	20.65	11.31
#3	49.76	20.08	21.24	16.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4022.1**	**41536.**	**3781.4**
Stddev	13.7	223.	21.6
%RSD	.34111	.53743	.57176
#1	4028.5	41700.	3786.4
#2	4031.4	41626.	3800.1
#3	4006.3	41282.	3757.7

Sample Name: mb 460-385942/1-a@2 Acquired: 8/21/2016 17:21:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.87**	**2.165**	**-.1278**	**-.0542**	**-.0359**	**9.659**
Stddev	5.33	1.020	.2391	.1739	.0959	11.69
%RSD	49.03	47.11	187.1	320.6	267.5	121.0
#1	-15.35	1.512	-.3506	.0013	-.1249	21.96
#2	-4.974	3.341	-.1577	-.2491	.0657	8.330
#3	-12.29	1.643	.1249	.0852	-.0484	-1.310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0747**	**.0961**	**-.5404**	**-1.114**	**-14.95**	**6.159**
Stddev	.0704	.1352	.3657	.110	8.20	2.028
%RSD	94.31	140.6	67.68	9.870	54.85	32.93
#1	.1121	.2449	-.9174	-1.203	-7.653	7.318
#2	-.0066	.0627	-.1870	-.9908	-23.82	7.342
#3	.1185	-.0192	-.5168	-1.148	-13.37	3.817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.299**	**.0682**	**-15.69**	**-.0830**	**-.8570**	**.7626**
Stddev	2.161	.0979	2.98	.3367	1.655	.5366
%RSD	26.04	143.5	19.01	405.7	193.1	70.37
#1	-6.084	.1775	-18.15	.2652	1.049	1.053
#2	-8.410	-.0116	-12.37	-.4069	-1.685	1.091
#3	-10.40	.0388	-16.54	-.1073	-1.934	.1433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385942/1-a@2 Acquired: 8/21/2016 17:21:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.845**	**-.5662**	**1.486**	**-.0413**	**1.096**	**.4984**
Stddev	2.722	1.756	.764	.1603	.410	.2656
%RSD	95.66	310.1	51.39	388.4	37.46	53.29
#1	.1226	-2.109	.6160	-.0523	1.474	.6632
#2	-5.224	1.344	2.045	.1243	1.154	.6401
#3	-3.434	-.9338	1.797	-.1957	.6594	.1920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.058**	**.1031**	**.2745**	**-10.59**
Stddev	.923	.0786	.0771	30.64
%RSD	87.21	76.17	28.07	289.3
#1	-2.117	.0341	.2171	23.58
#2	-.4202	.1886	.3621	-19.75
#3	-.6383	.0867	.2442	-35.61
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3959.9**	**40294.**	**3701.7**
Stddev	17.4	348.	54.7
%RSD	.43993	.86250	1.4770
#1	3943.6	40055.	3642.7
#2	3957.9	40692.	3750.7
#3	3978.3	40133.	3711.7

Sample Name: 460-118895-f-2-a@4 Acquired: 8/21/2016 17:25:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**104700.**	**29.73**	**.3760**	**301.3**	**3.076**	**14140.**
Stddev	3450.	2.52	.6033	.9	.122	50.
%RSD	3.293	8.476	160.4	.3109	3.978	.3520
#1	100800.	31.07	-.3096	300.3	3.024	14090.
#2	106500.	31.30	.8256	302.1	3.216	14160.
#3	107000.	26.82	.6122	301.6	2.989	14180.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.163**	**59.31**	**167.9**	**132.2**	**177700.**	**12180.**
Stddev	.118	.26	3.6	.4	540.	400.
%RSD	2.291	.4400	2.163	.2872	.3037	3.287
#1	-5.031	59.23	163.7	131.8	177000.	11720.
#2	-5.259	59.10	169.8	132.6	177900.	12410.
#3	-5.198	59.60	170.2	132.2	178000.	12420.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22780.**	**1634.**	**2388.**	**85.72**	**37.71**	**-1.611**
Stddev	69.	6.	79.	1.52	1.73	3.208
%RSD	.3028	.3478	3.304	1.770	4.577	199.1
#1	22710.	1627.	2298.	83.97	36.12	-1.115
#2	22790.	1637.	2421.	86.64	39.55	-5.038
#3	22840.	1636.	2445.	86.55	37.47	1.320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118895-f-2-a@4 Acquired: 8/21/2016 17:25:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.416**	**-.0064**	**279.9**	**360.4**	**25.33**	**4.488**
Stddev	1.612	2.899	2.2	2.4	.85	.116
%RSD	47.20	45000.	.7978	.6748	3.344	2.575
#1	2.317	-.9482	278.0	358.2	24.43	4.479
#2	5.267	-2.318	279.5	360.0	25.47	4.377
#3	2.665	3.247	282.4	363.0	26.11	4.608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5183**	**60.99**	**4355.**	**854.5**
Stddev	.3263	1.81	17.	2.1
%RSD	62.94	2.965	.3932	.2510
#1	.1527	58.90	4335.	855.3
#2	.6226	62.05	4366.	852.0
#3	.7797	62.02	4364.	856.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4073.8**	**41715.**	**3938.4**
Stddev	10.5	168.	106.2
%RSD	.25675	.40325	2.6971
#1	4061.8	41522.	4060.9
#2	4080.9	41797.	3882.8
#3	4078.7	41827.	3871.5

Sample Name: 460-118895-e-3-a@4 Acquired: 8/21/2016 17:29:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**110800.**	**24.06**	**-.0138**	**887.9**	**3.776**	**77310.**
Stddev	487.	1.90	.6228	.9	.064	387.
%RSD	.4401	7.889	4518.	.1065	1.697	.5010
#1	111300.	24.86	.5024	888.1	3.837	77540.
#2	110400.	21.89	.1617	888.8	3.709	76860.
#3	110500.	25.42	-.7055	886.9	3.780	77530.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6661**	**75.03**	**175.4**	**111.9**	**134500.**	**24230.**
Stddev	.2456	.40	.4	.3	477.	48.
%RSD	36.87	.5285	.2412	.3127	.3547	.1987
#1	.5354	74.71	174.9	111.9	134900.	24270.
#2	.9494	75.47	175.4	112.2	134000.	24250.
#3	.5135	74.90	175.7	111.5	134400.	24180.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30540.**	**2455.**	**1336.**	**111.9**	**630.7**	**-.1904**
Stddev	185.	10.	25.	.6	2.9	1.029
%RSD	.6045	.4136	1.853	.5234	.4560	540.6
#1	30730.	2466.	1328.	112.1	628.5	.9948
#2	30360.	2446.	1363.	112.3	629.7	-.7046
#3	30530.	2454.	1315.	111.2	634.0	-.8615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118895-e-3-a@4 Acquired: 8/21/2016 17:29:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2922**	**1.665**	**251.5**	**913.1**	**10.12**	**4.317**
Stddev	3.806	3.328	2.0	1.5	.57	.343
%RSD	1302.	199.9	.7957	.1622	5.639	7.945
#1	-2.707	.0960	249.3	912.0	9.460	3.967
#2	-.9905	-.5883	252.2	912.6	10.45	4.653
#3	4.574	5.487	253.1	914.8	10.45	4.330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.507**	**484.4**	**7192.**	**1039.**
Stddev	1.660	2.7	28.	30.
%RSD	110.2	.5573	.3889	2.864
#1	-.2421	487.4	7224.	1010.
#2	-.8914	483.6	7170.	1070.
#3	-3.387	482.1	7184.	1038.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4074.4**	**41747.**	**3930.8**
Stddev	7.1	344.	43.7
%RSD	.17430	.82401	1.1108
#1	4066.9	41350.	3888.1
#2	4075.1	41939.	3975.3
#3	4081.1	41952.	3928.9

Sample Name: 460-118824-c-1-e@5 Acquired: 8/21/2016 17:33:25 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**90.72**	**2.220**	**-.1222**	**128.0**	**.0025**	**1787.**
Stddev	18.23	.472	.7069	.3	.2411	14.
%RSD	20.09	21.25	578.6	.2731	9564.	.7785
#1	111.2	1.682	.4208	127.7	.0470	1802.
#2	76.39	2.416	.1342	127.9	.2183	1775.
#3	84.53	2.562	-.9214	128.4	-.2577	1783.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6381**	**.6713**	**.3396**	**4.517**	**25.74**	**448.6**
Stddev	.0667	.0546	.5643	.218	10.39	52.9
%RSD	10.46	8.128	166.2	4.815	40.39	11.79
#1	.5737	.6546	.9705	4.329	36.48	391.9
#2	.6337	.6271	-.1169	4.467	25.01	457.2
#3	.7069	.7323	.1651	4.755	15.73	496.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.3**	**18.69**	F **273400.**	**2.222**	**3.572**	**.8550**
Stddev	8.1	.14	1583.	.272	1.504	1.008
%RSD	4.042	.7332	.5789	12.24	42.12	117.9
#1	191.8	18.56	275100.	2.153	3.232	1.666
#2	198.2	18.69	273200.	2.522	2.266	-.2729
#3	207.8	18.83	271900.	1.992	5.217	1.171
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118824-c-1-e@5 Acquired: 8/21/2016 17:33:25 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2112**	**-.1300**	**1.352**	**18.88**	**11.45**	**-.0355**
Stddev	4.750	1.985	.516	.32	.74	.5623
%RSD	2249.	1527.	38.19	1.716	6.480	1584.
#1	-.9224	1.664	1.359	19.16	11.83	.3852
#2	-4.566	.2086	.8325	18.52	11.93	-.6741
#3	4.855	-2.263	1.865	18.95	10.60	.1824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5565**	**9.807**	**1.572**	**217.8**
Stddev	.1414	.046	.111	22.0
%RSD	25.41	.4736	7.072	10.10
#1	.6852	9.845	1.622	240.3
#2	.4052	9.821	1.649	196.4
#3	.5790	9.755	1.444	216.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3875.0**	**39735.**	**3760.6**
Stddev	4.7	68.	12.4
%RSD	.12192	.17183	.33038
#1	3873.3	39723.	3752.8
#2	3880.4	39808.	3774.9
#3	3871.4	39673.	3754.2

Sample Name: lb 460-385390/1-h@5 Acquired: 8/21/2016 17:37:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.899**	**.8323**	**.8023**	**-.3967**	**-.0115**	**4.567**
Stddev	9.743	1.657	.3431	.1587	.1093	5.450
%RSD	513.0	199.1	42.77	40.00	949.3	119.3
#1	-4.731	1.825	1.145	-.4388	.1074	10.06
#2	-9.912	1.752	.8027	-.2213	-.1077	4.486
#3	8.946	-1.081	.4589	-.5302	-.0342	-.8416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1282**	**-.3336**	**-.6077**	**-.7473**	**1.201**	**164.8**
Stddev	.0860	.2953	.2008	.1226	9.370	12.5
%RSD	67.10	88.50	33.05	16.40	780.5	7.559
#1	.0672	-.0247	-.7858	-.6558	9.461	151.5
#2	.0908	-.6130	-.3900	-.8866	3.122	176.2
#3	.2266	-.3632	-.6474	-.6995	-8.982	166.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.004**	**.1382**	F **278400.**	**1.793**	**1.469**	**1.670**
Stddev	3.192	.0566	5244.	.267	2.514	.998
%RSD	318.0	40.97	1.884	14.90	171.1	59.77
#1	3.267	.1459	283300.	1.486	.7513	.7116
#2	2.392	.0781	279000.	1.922	-.6080	1.594
#3	-2.647	.1906	272900.	1.971	4.264	2.703
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-385390/1-h@5 Acquired: 8/21/2016 17:37:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.984**	**-3.199**	**1.161**	**2.811**	**1.683**	**-.0193**
Stddev	3.194	1.936	.583	.074	.094	.4255
%RSD	161.0	60.53	50.21	2.650	5.569	2207.
#1	1.622	-2.628	1.639	2.732	1.791	.3701
#2	-3.117	-1.612	1.333	2.880	1.620	.0455
#3	-4.458	-5.356	.5118	2.820	1.639	-.4735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5154**	**-.0562**	**.4829**	**1.656**
Stddev	.6353	.1494	.3675	16.73
%RSD	123.3	265.7	76.11	1010.
#1	.1380	.1108	.8721	9.358
#2	1.249	-.1026	.4350	13.15
#3	.1593	-.1769	.1417	-17.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3880.5**	**39748.**	**3763.1**
Stddev	27.1	425.	52.9
%RSD	.69860	1.0703	1.4069
#1	3870.4	39456.	3713.0
#2	3859.9	39551.	3757.7
#3	3911.2	40236.	3818.5

Sample Name: lb 460-385610/1-e@5 Acquired: 8/21/2016 17:41:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.585**	**1.485**	**.1531**	**-.3659**	**.0683**	**5.185**
Stddev	20.35	2.163	.2227	.1734	.0512	6.089
%RSD	567.7	145.6	145.5	47.40	75.00	117.4
#1	-15.38	3.212	.0871	-.2932	.1082	2.824
#2	19.91	-.9410	.4013	-.5639	.0862	.6313
#3	-15.29	2.186	-.0291	-.2407	.0105	12.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0354**	**-.2298**	**-.7430**	**-.4779**	**-7.153**	**163.8**
Stddev	.0744	.2065	.4725	.4381	14.15	60.2
%RSD	209.9	89.87	63.59	91.67	197.9	36.73
#1	.0133	-.3682	-.9415	.0151	-9.565	94.32
#2	.0014	.0076	-1.084	-.8224	-19.94	197.8
#3	-.1211	-.3289	-.2036	-.6264	8.051	199.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.862**	**-.0214**	F **278600.**	**1.943**	**1.303**	**-.5664**
Stddev	3.856	.0031	1351.	.252	3.611	1.356
%RSD	56.19	14.68	.4850	12.97	277.1	239.4
#1	-2.449	-.0178	280100.	2.223	5.316	-2.107
#2	-8.555	-.0227	277600.	1.732	.2755	-.0353
#3	-9.582	-.0237	278000.	1.875	-1.682	.4436
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-385610/1-e@5 Acquired: 8/21/2016 17:41:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.028**	**-1.685**	**1.019**	**1.577**	**1.692**	**.0446**
Stddev	1.396	2.336	.439	.116	.205	.0508
%RSD	68.85	138.6	43.08	7.323	12.10	114.0
#1	-2.397	-.6283	.6985	1.588	1.534	-.0141
#2	-3.203	-4.362	.8386	1.457	1.619	.0730
#3	-.4846	-.0644	1.519	1.687	1.923	.0748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4440**	**.0095**	**.1091**	**-11.29**
Stddev	1.318	.1133	.1421	5.26
%RSD	296.9	1187.	130.2	46.57
#1	.0343	-.0089	-.0318	-5.679
#2	1.918	.1309	.1068	-16.11
#3	-.6206	-.0934	.2524	-12.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3879.5**	**39867.**	**3860.2**
Stddev	2.6	307.	44.3
%RSD	.06759	.76997	1.1471
#1	3881.8	40191.	3906.7
#2	3876.7	39580.	3855.4
#3	3880.1	39830.	3818.5

Sample Name: 460-118911-d-4-a@4 Acquired: 8/21/2016 17:45:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120000.**	**22.02**	**.2554**	**784.6**	**4.056**	F **265600.**
Stddev	2396.	3.31	.5428	2.0	.015	2503.
%RSD	1.997	15.01	212.5	.2537	.3749	.9423
#1	117200.	18.20	-.2811	784.4	4.062	262700.
#2	121700.	23.80	.2430	782.7	4.067	267400.
#3	121000.	24.05	.8043	786.7	4.038	266600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.398**	**64.39**	**181.4**	**2618.**	**150900.**	**31100.**
Stddev	.289	.49	2.7	5.	1269.	590.
%RSD	12.06	.7653	1.496	.1968	.8410	1.896
#1	2.656	64.17	178.3	2612.	149500.	30420.
#2	2.086	64.04	182.1	2623.	152000.	31480.
#3	2.453	64.95	183.6	2618.	151300.	31390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62560.**	**2286.**	**5212.**	**140.0**	**910.3**	**-4.415**
Stddev	438.	15.	64.	1.1	9.5	2.345
%RSD	.6995	.6638	1.219	.7955	1.040	53.11
#1	62060.	2268.	5143.	139.8	908.3	-6.565
#2	62870.	2295.	5268.	139.1	901.9	-4.766
#3	62740.	2293.	5225.	141.2	920.5	-1.915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118911-d-4-a@4 Acquired: 8/21/2016 17:45:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.112**	**2.086**	**238.5**	F **7923.**	**9.001**	**2.041**
Stddev	6.259	.991	2.2	29.	1.051	.597
%RSD	296.4	47.49	.9078	.3702	11.67	29.26
#1	4.442	.9494	236.1	7901.	8.673	1.735
#2	-2.750	2.766	239.2	7913.	8.155	1.659
#3	-8.027	2.543	240.3	7956.	10.18	2.729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.930**	**739.2**	**8536.**	**993.0**
Stddev	.925	12.5	34.	3.5
%RSD	31.58	1.696	.3952	.3538
#1	2.918	725.1	8499.	988.9
#2	2.011	749.2	8564.	995.2
#3	3.861	743.2	8546.	994.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3961.7**	**40732.**	**3939.9**
Stddev	12.5	183.	35.3
%RSD	.31583	.44877	.89692
#1	3948.5	40672.	3978.5
#2	3973.4	40587.	3909.1
#3	3963.2	40938.	3932.1

Sample Name: 460-118911-d-5-a@4 Acquired: 8/21/2016 17:49:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**83370.**	**10.87**	**-.3225**	**316.0**	**5.795**	**2564.**
Stddev	1943.	2.31	.1093	.4	.083	22.
%RSD	2.331	21.30	33.90	.1171	1.429	.8600
#1	81130.	8.464	-.4487	315.6	5.715	2544.
#2	84420.	11.05	-.2615	316.3	5.881	2587.
#3	84560.	13.08	-.2574	316.2	5.790	2561.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.733**	**36.93**	**75.46**	**47.36**	**87830.**	**10860.**
Stddev	.136	.41	.35	.97	387.	279.
%RSD	4.968	1.111	.4631	2.046	.4411	2.571
#1	-2.748	37.24	75.10	46.38	87750.	10540.
#2	-2.861	37.10	75.79	47.38	88250.	10990.
#3	-2.591	36.47	75.48	48.31	87490.	11050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14930.**	**1860.**	**565.5**	**57.14**	**70.74**	**-1.896**
Stddev	154.	5.	16.5	.55	2.16	1.203
%RSD	1.028	.2577	2.921	.9612	3.053	63.45
#1	14760.	1860.	547.7	57.10	69.86	-3.074
#2	15010.	1865.	580.4	57.71	73.20	-1.944
#3	15030.	1856.	568.3	56.61	69.17	-.6698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118911-d-5-a@4 Acquired: 8/21/2016 17:49:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.679**	**.2554**	**109.2**	**201.4**	**3.808**	**1.951**
Stddev	1.141	1.563	1.1	2.1	.609	.357
%RSD	67.96	611.9	.9648	1.025	15.99	18.32
#1	2.570	.2693	108.0	199.1	4.398	2.300
#2	.3928	-1.314	109.7	203.0	3.182	1.965
#3	2.074	1.811	110.0	202.0	3.843	1.586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8267**	**33.42**	**3277.**	**841.9**
Stddev	.3985	.93	16.	27.6
%RSD	48.21	2.793	.4891	3.272
#1	1.274	32.35	3258.	810.5
#2	.6970	33.80	3285.	862.3
#3	.5092	34.09	3287.	852.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4223.3**	**42898.**	**4064.3**
Stddev	1.8	466.	23.7
%RSD	.04243	1.0856	.58223
#1	4223.6	42400.	4080.6
#2	4221.3	42972.	4037.1
#3	4224.9	43322.	4075.1

Sample Name: 460-118911-d-6-a@4 Acquired: 8/21/2016 17:53:06 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**93800.**	**21.67**	**.4501**	**410.8**	**5.994**	**2933.**
Stddev	245.	1.68	.5639	.4	.205	35.
%RSD	.2613	7.753	125.3	.1070	3.426	1.179
#1	93550.	19.73	.5938	410.4	5.804	2916.
#2	94040.	22.62	-.1718	410.6	5.965	2910.
#3	93800.	22.66	.9281	411.3	6.212	2972.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.985**	**85.61**	**191.9**	**54.59**	**163200.**	**14170.**
Stddev	.554	.19	2.0	.24	947.	54.
%RSD	11.11	.2207	1.037	.4448	.5803	.3799
#1	-4.549	85.57	190.3	54.36	162700.	14130.
#2	-4.797	85.81	191.1	54.84	162700.	14230.
#3	-5.608	85.44	194.1	54.56	164300.	14150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19730.**	**4374.**	**502.4**	**76.64**	**25.23**	**-2.253**
Stddev	118.	23.	15.1	.31	2.93	2.280
%RSD	.5973	.5228	3.009	.4002	11.60	101.2
#1	19690.	4363.	513.2	76.68	22.99	.3299
#2	19640.	4358.	485.1	76.93	28.54	-3.985
#3	19860.	4400.	508.9	76.32	24.16	-3.105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118911-d-6-a@4 Acquired: 8/21/2016 17:53:06 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.042**	**2.553**	**178.8**	**251.0**	**.9621**	**4.182**
Stddev	1.411	4.335	3.1	1.6	.5438	.358
%RSD	34.91	169.8	1.756	.6458	56.53	8.557
#1	3.234	7.558	176.5	249.1	.3381	4.515
#2	5.671	.0085	177.4	251.9	1.213	3.803
#3	3.220	.0911	182.4	251.9	1.335	4.227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-2.349**	**34.35**	**4787.**	**895.7**
Stddev	.805	.09	12.	27.4
%RSD	34.26	.2501	.2445	3.057
#1	-2.570	34.27	4787.	891.7
#2	-3.021	34.44	4775.	924.8
#3	-1.457	34.33	4798.	870.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.2**	**42565.**	**3958.2**
Stddev	7.2	140.	12.6
%RSD	.17371	.32917	.31792
#1	4135.5	42505.	3962.9
#2	4125.2	42725.	3967.8
#3	4139.0	42464.	3944.0

Sample Name: 460-118911-d-7-a@4 Acquired: 8/21/2016 17:56:56 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123200.**	**23.42**	**.2349**	**960.4**	**6.236**	**8702.**
Stddev	3121.	2.37	.0910	1.1	.151	39.
%RSD	2.533	10.11	38.74	.1126	2.424	.4482
#1	119600.	23.36	.3397	959.3	6.103	8679.
#2	124800.	25.81	.1895	961.5	6.205	8748.
#3	125300.	21.08	.1756	960.5	6.400	8681.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.709**	**64.04**	**184.1**	**111.4**	**155100.**	**18830.**
Stddev	.166	.56	.5	1.0	455.	499.
%RSD	3.527	.8697	.2479	.8529	.2931	2.651
#1	-4.580	63.79	184.4	110.3	154800.	18250.
#2	-4.651	63.65	184.3	111.7	155600.	19100.
#3	-4.897	64.68	183.6	112.2	154800.	19140.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29190.**	**4072.**	**1357.**	**118.9**	**183.7**	**-2.150**
Stddev	124.	15.	42.	1.3	5.6	1.699
%RSD	.4232	.3597	3.090	1.118	3.053	79.00
#1	29140.	4061.	1309.	118.1	178.8	-.4325
#2	29330.	4088.	1382.	118.2	182.5	-3.829
#3	29100.	4065.	1382.	120.5	189.8	-2.189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118911-d-7-a@4 Acquired: 8/21/2016 17:56:56 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.069**	**2.211**	**227.1**	**425.2**	**8.465**	**5.009**
Stddev	2.330	1.750	1.4	3.1	.381	.285
%RSD	45.97	79.15	.6087	.7355	4.498	5.689
#1	6.446	2.554	228.6	423.6	8.904	5.018
#2	2.378	.3147	226.9	423.2	8.265	4.720
#3	6.382	3.764	225.9	428.8	8.226	5.290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.122**	**69.20**	**5420.**	**894.2**
Stddev	.617	2.08	36.	21.1
%RSD	19.75	3.003	.6674	2.354
#1	3.166	66.82	5378.	870.7
#2	3.716	70.64	5445.	900.5
#3	2.485	70.13	5436.	911.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.5**	**43473.**	**4070.8**
Stddev	8.5	325.	30.6
%RSD	.19827	.74839	.75156
#1	4279.7	43169.	4105.0
#2	4294.1	43435.	4061.5
#3	4294.8	43816.	4046.0

Sample Name: CCV Acquired: 8/21/2016 18:00:47 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125100.**	**2385.**	**1219.**	**9917.**	**1025.**	**129300.**
Stddev	713.	5.	3.	22.	5.	434.
%RSD	.5697	.2036	.2260	.2196	.5053	.3353
#1	125500.	2387.	1223.	9940.	1028.	129800.
#2	125500.	2389.	1218.	9915.	1029.	129200.
#3	124300.	2380.	1218.	9897.	1019.	129000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1238.**	**2459.**	**5190.**	**11640.**	**102500.**	**49720.**
Stddev	3.	5.	29.	24.	229.	275.
%RSD	.2056	.2141	.5573	.2022	.2237	.5535
#1	1241.	2463.	5222.	11630.	102700.	49680.
#2	1239.	2460.	5184.	11630.	102400.	50010.
#3	1236.	2453.	5165.	11670.	102300.	49470.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127400.**	**5208.**	**124100.**	**2520.**	**7462.**	**923.2**
Stddev	304.	13.	664.	6.	17.	7.7
%RSD	.2387	.2507	.5347	.2535	.2222	.8288
#1	127700.	5223.	124600.	2526.	7478.	930.2
#2	127100.	5202.	124300.	2520.	7464.	915.1
#3	127300.	5199.	123300.	2514.	7445.	924.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 18:00:47 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2286.**	**2496.**	**2479.**	**2651.**	**942.6**	**2324.**
Stddev	11.	5.	4.	7.	2.4	3.
%RSD	.5019	.1994	.1771	.2577	.2551	.1250
#1	2288.	2500.	2475.	2657.	940.4	2327.
#2	2296.	2490.	2477.	2652.	945.2	2323.
#3	2274.	2497.	2484.	2643.	942.3	2321.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**987.8**	**5046.**	**10110.**	**8465.**
Stddev	1.0	36.	36.	22.
%RSD	.0989	.7201	.3529	.2620
#1	988.8	5075.	10150.	8440.
#2	987.6	5059.	10100.	8481.
#3	986.9	5005.	10080.	8475.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3789.6**	**39065.**	**3623.5**
Stddev	6.0	163.	25.6
%RSD	.15885	.41769	.70645
#1	3785.3	38894.	3626.0
#2	3787.0	39081.	3596.8
#3	3796.5	39220.	3647.8

Sample Name: CCB Acquired: 8/21/2016 18:04:24 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34.65**	**2.632**	**.4617**	**1.071**	**.1615**	**21.38**
Stddev	20.79	.410	.2921	.320	.0746	11.86
%RSD	60.01	15.57	63.27	29.88	46.17	55.49
#1	58.65	2.716	.4338	1.405	.1344	33.41
#2	23.22	2.186	.1845	1.041	.2458	9.695
#3	22.08	2.993	.7667	.7670	.1043	21.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2033**	**.2801**	**.4997**	**.4273**	**23.51**	**47.38**
Stddev	.1216	.0981	.6000	.5596	14.59	34.25
%RSD	59.83	35.03	120.1	131.0	62.05	72.29
#1	.3385	.2514	1.028	.9750	39.91	86.91
#2	.1028	.3894	-.1526	.4503	12.01	28.62
#3	.1685	.1996	.6237	-.1435	18.60	26.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.78**	**1.391**	**67.65**	**.2195**	**2.022**	**.1415**
Stddev	11.23	.408	26.34	.5929	1.574	.8957
%RSD	87.85	29.36	38.93	270.1	77.87	633.2
#1	20.77	1.854	95.15	-.3066	2.907	.3759
#2	17.62	1.239	65.13	.1032	2.955	.8966
#3	-.0553	1.081	42.66	.8619	.2042	-.8481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 18:04:24 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3674**	**.4401**	**1.007**	**.5135**	**1.923**	**1.317**
Stddev	2.157	.5097	.535	.0778	.564	.482
%RSD	586.9	115.8	53.09	15.16	29.35	36.61
#1	1.967	.9561	.9798	.4548	2.575	1.874
#2	-2.285	.4273	1.555	.6018	1.602	1.048
#3	-.7846	-.0631	.4864	.4838	1.592	1.029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.6122**	**.7060**	**2.535**	**-9.996**
Stddev	.6873	.2283	.713	24.06
%RSD	112.3	32.33	28.13	240.7
#1	.1781	.9658	3.277	-21.48
#2	-.9449	.6145	2.475	17.66
#3	-1.070	.5376	1.854	-26.16
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.1**	**41618.**	**3835.6**
Stddev	7.1	120.	39.8
%RSD	.17533	.28786	1.0388
#1	4059.9	41490.	3793.1
#2	4071.4	41728.	3872.1
#3	4073.0	41637.	3841.6

Sample Name: CCVL Acquired: 8/21/2016 18:08:25 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**186.5**	**14.88**	**9.319**	**203.0**	**2.023**	**5069.**
Stddev	10.9	1.35	.325	.6	.148	19.
%RSD	5.854	9.096	3.492	.2898	7.307	.3822
#1	187.2	13.69	9.521	202.6	1.934	5066.
#2	197.0	16.35	8.943	202.7	2.194	5090.
#3	175.2	14.61	9.492	203.7	1.942	5051.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.147**	**51.51**	**9.428**	**20.75**	**169.0**	**4665.**
Stddev	.139	.29	.432	.68	13.6	23.
%RSD	3.344	.5696	4.578	3.259	8.043	.4999
#1	3.999	51.36	9.136	19.98	160.0	4680.
#2	4.274	51.33	9.223	21.25	184.6	4638.
#3	4.167	51.85	9.923	21.02	162.3	4677.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4885.**	**16.00**	**4675.**	**42.06**	**10.52**	**16.96**
Stddev	22.	.11	39.	1.00	2.22	.93
%RSD	.4415	.6740	.8402	2.368	21.07	5.473
#1	4862.	15.88	4666.	42.81	12.99	17.96
#2	4905.	16.08	4718.	40.93	9.867	16.12
#3	4887.	16.04	4641.	42.44	8.702	16.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 18:08:25 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.04**	**20.46**	**50.06**	**34.57**	**45.98**	**18.76**
Stddev	.54	.76	1.18	.18	.60	.44
%RSD	3.358	3.693	2.349	.5165	1.297	2.361
#1	15.42	20.01	49.40	34.55	46.35	18.68
#2	16.31	21.34	49.37	34.41	45.29	18.36
#3	16.40	20.05	51.42	34.77	46.30	19.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**49.45**	**20.00**	**20.53**	F **-29.88**
Stddev	.98	.06	.25	21.93
%RSD	1.981	.2961	1.231	73.38
#1	48.83	19.94	20.28	-31.90
#2	48.95	20.00	20.52	-50.73
#3	50.58	20.06	20.78	-7.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4075.9**	**41885.**	**3845.9**
Stddev	7.1	119.	97.3
%RSD	.17532	.28341	2.5297
#1	4069.4	41754.	3807.4
#2	4074.6	41913.	3773.8
#3	4083.5	41987.	3956.6

Sample Name: 460-118926-f-1-a@4 Acquired: 8/21/2016 18:12:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54980.**	**38.36**	**.3481**	**635.7**	**2.437**	**79500.**
Stddev	246.	1.95	.5894	.7	.021	390.
%RSD	.4482	5.095	169.3	.1106	.8616	.4900
#1	54850.	37.00	-.3284	635.1	2.413	79920.
#2	54820.	40.60	.7506	635.5	2.443	79440.
#3	55260.	37.48	.6221	636.5	2.454	79150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.153**	**42.43**	**98.60**	**139.3**	**93860.**	**9583.**
Stddev	.184	.33	.39	1.1	451.	67.
%RSD	15.94	.7714	.3944	.7556	.4806	.6952
#1	-1.251	42.07	98.18	138.1	94280.	9552.
#2	-.9410	42.71	98.94	140.1	93920.	9538.
#3	-1.268	42.49	98.67	139.7	93390.	9660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28640.**	**2653.**	**2377.**	**109.3**	F **23110.**	**28.31**
Stddev	100.	10.	12.	1.1	13.	2.60
%RSD	.3489	.3935	.5220	.9663	.0558	9.178
#1	28740.	2661.	2382.	108.1	23090.	27.31
#2	28640.	2656.	2363.	110.2	23110.	31.27
#3	28540.	2641.	2386.	109.5	23110.	26.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118926-f-1-a@4 Acquired: 8/21/2016 18:12:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.588**	**1.917**	**138.0**	**520.6**	**22.63**	**3.853**
Stddev	3.391	1.965	1.0	4.7	.35	.045
%RSD	73.91	102.5	.7472	.9036	1.539	1.174
#1	1.014	3.808	137.1	518.7	23.02	3.877
#2	7.760	2.055	139.1	525.9	22.55	3.882
#3	4.990	-.1137	137.8	517.1	22.34	3.801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.46**	**240.9**	**2584.**	**869.2**
Stddev	.78	.5	7.	31.0
%RSD	5.035	.2243	.2691	3.562
#1	15.54	240.7	2581.	840.2
#2	16.19	240.4	2592.	865.6
#3	14.64	241.5	2579.	901.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4036.2**	**41690.**	**3882.6**
Stddev	9.6	533.	37.3
%RSD	.23668	1.2793	.96105
#1	4027.1	41110.	3853.6
#2	4035.2	41801.	3924.7
#3	4046.1	42160.	3869.5

Sample Name: 460-118926-e-2-a@4 Acquired: 8/21/2016 18:16:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26190.**	**9.074**	**.0110**	**183.8**	**1.401**	**24350.**
Stddev	716.	.891	.2704	.3	.037	307.
%RSD	2.735	9.821	2468.	.1828	2.642	1.262
#1	25360.	10.08	.0582	183.4	1.358	23990.
#2	26590.	8.737	.2546	184.0	1.422	24510.
#3	26610.	8.401	-.2799	184.0	1.423	24540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.866**	**32.57**	**76.61**	**72.61**	**66630.**	**5381.**
Stddev	.193	.42	.85	.50	591.	193.
%RSD	10.37	1.296	1.115	.6882	.8872	3.588
#1	-1.643	32.86	75.62	72.04	65980.	5159.
#2	-1.975	32.09	77.15	72.85	66800.	5479.
#3	-1.980	32.77	77.05	72.95	67130.	5505.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16730.**	**1901.**	**652.4**	**87.59**	**1198.**	**-.7787**
Stddev	292.	16.	28.8	.82	3.	.5637
%RSD	1.743	.8174	4.419	.9417	.2751	72.39
#1	16420.	1883.	619.3	87.06	1202.	-.4749
#2	16780.	1909.	666.5	88.54	1197.	-1.429
#3	16990.	1911.	671.5	87.18	1196.	-.4320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-e-2-a@4 Acquired: 8/21/2016 18:16:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.033**	**-1.379**	**98.18**	**158.2**	**17.61**	**2.836**
Stddev	2.143	.368	1.37	.5	.52	.417
%RSD	207.5	26.65	1.391	.3266	2.977	14.71
#1	-.7641	-1.685	96.61	157.6	17.01	3.264
#2	.4581	-.9717	99.08	158.5	17.80	2.431
#3	3.404	-1.481	98.84	158.5	18.00	2.813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.205**	**84.80**	**1425.**	**1091.**
Stddev	.967	2.24	6.	40.
%RSD	18.58	2.638	.3904	3.666
#1	5.933	82.23	1418.	1099.
#2	4.107	86.23	1427.	1126.
#3	5.574	85.96	1429.	1047.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4099.8**	**42068.**	**3910.6**
Stddev	7.3	220.	67.8
%RSD	.17693	.52258	1.7346
#1	4095.2	42313.	3986.9
#2	4096.0	41888.	3887.7
#3	4108.2	42002.	3857.2

Sample Name: 460-118926-f-3-a@4 Acquired: 8/21/2016 18:20:04 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43680.**	**34.22**	**.6539**	**799.4**	**2.489**	**228000.**
Stddev	1319.	.93	.5034	1.9	.063	920.
%RSD	3.019	2.724	76.98	.2421	2.509	.4033
#1	42160.	35.13	1.234	797.2	2.442	227000.
#2	44380.	33.27	.3305	800.1	2.560	228600.
#3	44500.	34.26	.3974	800.9	2.465	228500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.095**	**30.43**	**76.00**	**180.6**	**73810.**	**7247.**
Stddev	.141	.23	.92	1.6	261.	208.
%RSD	12.85	.7443	1.208	.9100	.3530	2.864
#1	1.220	30.17	74.95	178.7	73510.	7020.
#2	.9426	30.56	76.40	181.7	73910.	7292.
#3	1.121	30.57	76.64	181.4	74000.	7428.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17780.**	**1347.**	**1420.**	**77.10**	F **16340.**	**2.294**
Stddev	130.	7.	55.	1.31	27.	1.380
%RSD	.7331	.5043	3.887	1.704	.1630	60.16
#1	17640.	1339.	1358.	76.48	16310.	1.878
#2	17810.	1349.	1436.	76.21	16360.	3.834
#3	17890.	1352.	1465.	78.61	16340.	1.169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118926-f-3-a@4 Acquired: 8/21/2016 18:20:04 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.482**	**-.5922**	**128.0**	**1250.**	**40.64**	**5.106**
Stddev	3.810	2.266	1.1	2.	.39	.665
%RSD	153.5	382.7	.8424	.1634	.9604	13.03
#1	-.6007	-2.598	126.8	1251.	40.97	4.428
#2	6.741	1.866	128.9	1251.	40.21	5.134
#3	1.304	-1.045	128.2	1248.	40.73	5.758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**13.55**	**891.5**	**2619.**	**2411.**
Stddev	.88	27.1	16.	36.
%RSD	6.488	3.038	.6218	1.485
#1	13.03	860.3	2602.	2370.
#2	13.05	906.0	2623.	2438.
#3	14.56	908.3	2634.	2424.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3979.3**	**41244.**	**3936.2**
Stddev	7.9	100.	57.6
%RSD	.19943	.24268	1.4626
#1	3973.4	41150.	4002.6
#2	3976.3	41349.	3900.4
#3	3988.4	41234.	3905.7

Sample Name: 460-118926-e-4-a@4 Acquired: 8/21/2016 18:23:52 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35820.**	**42.54**	**-.4227**	**628.6**	**1.811**	**223100.**
Stddev	178.	.86	.7190	.9	.134	992.
%RSD	.4974	2.011	170.1	.1427	7.405	.4445
#1	35940.	42.63	-.9864	629.6	1.931	224000.
#2	35900.	43.34	.3871	628.3	1.835	222000.
#3	35610.	41.64	-.6688	627.9	1.666	223200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5969**	**23.23**	**102.6**	**148.6**	**80310.**	**4674.**
Stddev	.0989	.12	.4	.6	266.	23.
%RSD	16.57	.5081	.3458	.4140	.3311	.4868
#1	.5734	23.33	102.9	148.7	80600.	4691.
#2	.5119	23.10	102.5	148.0	80070.	4684.
#3	.7054	23.27	102.2	149.2	80270.	4648.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30620.**	**1441.**	**1384.**	**67.16**	**12220.**	**-.9461**
Stddev	125.	5.	13.	.98	41.	2.008
%RSD	.4068	.3754	.9708	1.452	.3321	212.3
#1	30770.	1447.	1374.	67.64	12270.	.6452
#2	30540.	1436.	1399.	66.04	12190.	-3.203
#3	30570.	1439.	1378.	67.80	12210.	-.2808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-e-4-a@4 Acquired: 8/21/2016 18:23:52 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.281**	**-1.460**	**96.96**	**883.3**	**29.63**	**13.70**
Stddev	3.459	1.823	.97	4.7	.50	.36
%RSD	151.6	124.9	.9967	.5265	1.693	2.654
#1	.2087	-1.825	95.86	888.6	29.13	13.30
#2	.3599	.5188	97.35	881.8	29.65	13.78
#3	6.274	-3.072	97.66	879.7	30.13	14.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**13.98**	**597.5**	**1873.**	**1085.**
Stddev	.62	2.6	12.	28.
%RSD	4.408	.4384	.6371	2.538
#1	13.29	600.3	1887.	1094.
#2	14.47	596.8	1867.	1054.
#3	14.17	595.2	1866.	1106.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.3**	**42127.**	**4007.3**
Stddev	28.8	384.	71.4
%RSD	.71335	.91220	1.7805
#1	4007.2	41683.	3969.8
#2	4053.6	42347.	3962.5
#3	4060.1	42351.	4089.6

Sample Name: 460-118926-e-5-a@4 Acquired: 8/21/2016 18:27:43 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49600.**	**25.93**	**.1095**	**597.1**	**1.974**	**127200.**
Stddev	1393.	2.83	.6031	1.7	.169	1718.
%RSD	2.809	10.91	550.6	.2907	8.569	1.350
#1	48020.	23.21	.6236	596.2	1.873	125600.
#2	50120.	28.86	-.5543	596.0	1.879	127000.
#3	50650.	25.73	.2594	599.1	2.169	129000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7806**	**31.34**	**113.2**	**140.9**	**92640.**	**5500.**
Stddev	.2734	.39	.9	1.2	1181.	150.
%RSD	35.02	1.231	.8380	.8191	1.275	2.732
#1	-.5530	30.96	112.5	139.5	91530.	5329.
#2	-.7051	31.74	112.7	141.5	92500.	5558.
#3	-1.084	31.33	114.2	141.6	93880.	5613.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20410.**	**1982.**	**1268.**	**82.48**	**1480.**	**.0494**
Stddev	238.	23.	33.	.42	2.	1.995
%RSD	1.167	1.175	2.640	.5077	.1048	4040.
#1	20190.	1960.	1230.	82.09	1482.	-1.508
#2	20370.	1978.	1279.	82.93	1479.	2.298
#3	20660.	2006.	1294.	82.44	1481.	-.6413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-e-5-a@4 Acquired: 8/21/2016 18:27:43 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.006**	**.4918**	**132.7**	**671.5**	**18.51**	**4.402**
Stddev	3.219	.9921	2.1	2.4	.28	.158
%RSD	320.1	201.7	1.566	.3522	1.520	3.589
#1	3.209	-.6185	130.3	668.9	18.22	4.321
#2	2.498	1.291	134.0	673.3	18.78	4.584
#3	-2.689	.8028	133.7	672.5	18.52	4.301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**25.12**	**387.7**	**1918.**	**2212.**
Stddev	.46	10.0	21.	60.
%RSD	1.841	2.582	1.088	2.717
#1	24.63	376.3	1899.	2217.
#2	25.17	391.9	1915.	2269.
#3	25.55	394.9	1940.	2149.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4075.4**	**42772.**	**4081.0**
Stddev	5.3	415.	82.8
%RSD	.13123	.96958	2.0296
#1	4070.9	43049.	4151.0
#2	4081.3	42971.	4102.4
#3	4074.1	42295.	3989.5

Sample Name: 460-118926-e-6-a@4 Acquired: 8/21/2016 18:31:33 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28040.**	**7.221**	**-.2172**	**214.7**	**.8502**	**8263.**
Stddev	774.	1.484	.6191	.3	.0769	78.
%RSD	2.761	20.55	285.0	.1452	9.042	.9459
#1	27150.	5.762	-.9190	214.9	.8381	8174.
#2	28530.	7.173	.0156	214.3	.9324	8301.
#3	28450.	8.728	.2516	214.7	.7800	8316.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.616**	**28.94**	**64.87**	**61.21**	**63600.**	**5539.**
Stddev	.050	.27	1.50	.21	639.	164.
%RSD	3.089	.9496	2.309	.3480	1.004	2.958
#1	-1.560	28.63	64.05	61.05	62890.	5350.
#2	-1.635	29.03	66.60	61.45	63790.	5624.
#3	-1.654	29.16	63.96	61.14	64130.	5643.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14460.**	**1310.**	**475.4**	**83.64**	**2.552**	**-.1679**
Stddev	141.	11.	19.0	1.44	1.870	1.158
%RSD	.9729	.8229	4.005	1.727	73.29	689.5
#1	14300.	1298.	453.9	82.16	.5063	-.7606
#2	14510.	1313.	490.3	85.04	4.174	1.166
#3	14570.	1319.	481.9	83.73	2.976	-.9094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-e-6-a@4 Acquired: 8/21/2016 18:31:33 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6974**	**-.0819**	**90.56**	**175.5**	**3.161**	**1.456**
Stddev	2.023	1.515	1.53	3.4	.451	.113
%RSD	290.1	1850.	1.689	1.944	14.28	7.738
#1	-1.320	-1.811	89.08	171.9	3.680	1.520
#2	2.726	.5496	90.46	176.0	2.862	1.523
#3	.6866	1.015	92.13	178.7	2.940	1.326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.593**	**30.28**	**2235.**	**574.3**
Stddev	.225	.91	12.	3.8
%RSD	14.09	2.998	.5383	.6632
#1	1.335	29.24	2221.	578.0
#2	1.742	30.90	2241.	574.7
#3	1.702	30.71	2243.	570.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4124.4**	**42805.**	**3969.0**
Stddev	19.1	339.	93.2
%RSD	.46315	.79160	2.3482
#1	4144.7	43125.	4070.2
#2	4121.7	42839.	3950.1
#3	4106.8	42450.	3886.7

Sample Name: 460-118926-f-7-a@4 Acquired: 8/21/2016 18:35:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**57240.**	**23.53**	**-.2252**	**493.9**	**2.368**	**45470.**
Stddev	1300.	.91	.4354	1.0	.152	310.
%RSD	2.270	3.867	193.4	.2029	6.400	.6806
#1	55740.	24.52	-.6964	495.1	2.504	45120.
#2	58010.	22.73	.1623	493.3	2.205	45720.
#3	57980.	23.35	-.1416	493.4	2.396	45570.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.158**	**57.66**	**141.9**	**143.1**	**120000.**	**13470.**
Stddev	.111	.48	.8	.7	575.	306.
%RSD	5.159	.8255	.5299	.4626	.4788	2.268
#1	-2.042	57.20	141.7	142.5	119400.	13110.
#2	-2.265	58.15	142.7	142.9	120500.	13630.
#3	-2.167	57.62	141.3	143.8	120200.	13650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30010.**	**3048.**	**815.8**	**136.2**	**8528.**	**.3562**
Stddev	121.	13.	15.2	1.0	13.	2.454
%RSD	.4028	.4166	1.863	.7151	.1495	688.8
#1	29880.	3033.	798.4	135.1	8514.	-2.268
#2	30120.	3056.	826.6	136.4	8538.	.7432
#3	30030.	3055.	822.4	137.1	8533.	2.593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-f-7-a@4 Acquired: 8/21/2016 18:35:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.772**	**.9421**	**163.6**	**465.9**	**11.74**	**3.309**
Stddev	3.162	2.311	1.1	6.2	.28	.123
%RSD	178.5	245.3	.6487	1.336	2.397	3.715
#1	-.1766	-1.383	162.4	459.0	11.46	3.444
#2	.0719	3.239	164.5	467.7	12.02	3.203
#3	5.420	.9705	163.7	471.0	11.74	3.280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.626**	**150.7**	**3919.**	**778.3**
Stddev	.701	3.2	6.	16.4
%RSD	19.34	2.124	.1464	2.111
#1	4.097	147.0	3913.	766.1
#2	3.962	152.2	3923.	797.0
#3	2.820	152.8	3922.	771.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4138.2**	**42997.**	**4117.2**
Stddev	13.6	111.	58.5
%RSD	.32879	.25767	1.4206
#1	4127.4	42993.	4184.8
#2	4133.8	42889.	4083.4
#3	4153.5	43110.	4083.6

Sample Name: pds 460-118696-b-1-g Acquired: 8/21/2016 18:39:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1967.**	**1930.**	**48.90**	**2077.**	**51.67**	**27560.**
Stddev	7.	19.	.43	18.	.38	27.
%RSD	.3798	.9952	.8735	.8809	.7448	.0963
#1	1974.	1944.	49.38	2089.	51.84	27550.
#2	1968.	1938.	48.78	2087.	51.95	27590.
#3	1959.	1908.	48.55	2056.	51.23	27540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.28**	**504.7**	**212.6**	**239.7**	**1123.**	**21660.**
Stddev	.42	4.6	1.8	2.5	6.	117.
%RSD	.8253	.9090	.8660	1.037	.5317	.5409
#1	51.27	503.7	211.3	237.5	1120.	21710.
#2	51.72	509.7	214.7	242.4	1130.	21750.
#3	50.87	500.6	211.7	239.3	1119.	21530.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24670.**	**3105.**	F **314000.**	**545.0**	**1818.**	**436.6**
Stddev	46.	3.	5727.	4.4	17.	4.8
%RSD	.1860	.1111	1.824	.8150	.9289	1.107
#1	24720.	3109.	320500.	545.5	1814.	434.2
#2	24620.	3104.	309600.	549.2	1836.	442.1
#3	24670.	3102.	311900.	540.3	1803.	433.4
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-118696-b-1-g Acquired: 8/21/2016 18:39:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1892.**	**1982.**	**499.6**	**596.1**	**528.3**	**475.2**
Stddev	4.	9.	4.8	4.0	.6	.4
%RSD	.2225	.4346	.9564	.6648	.1100	.0946
#1	1890.	1989.	495.4	595.5	528.0	475.6
#2	1897.	1985.	504.8	592.4	528.9	474.7
#3	1889.	1972.	498.6	600.3	527.9	475.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**507.4**	**588.3**	**506.9**	**522.0**
Stddev	2.7	6.2	2.0	17.9
%RSD	.5283	1.060	.3963	3.425
#1	509.8	593.7	506.8	526.3
#2	504.5	581.5	509.0	502.3
#3	507.8	589.8	505.0	537.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3919.0**	**40568.**	**3939.1**
Stddev	14.2	188.	44.3
%RSD	.36234	.46305	1.1235
#1	3914.6	40703.	3893.8
#2	3907.5	40647.	3982.3
#3	3934.9	40353.	3941.2

Sample Name: 460-118696-b-1-i ms Acquired: 8/21/2016 18:42:58 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1056.**	**1022.**	**100.1**	**2175.**	**216.7**	**12140.**
Stddev	2.	4.	.6	8.	.1	35.
%RSD	.2284	.3791	.5514	.3600	.0543	.2917
#1	1053.	1024.	100.6	2180.	216.6	12180.
#2	1056.	1024.	99.50	2178.	216.9	12130.
#3	1057.	1018.	100.3	2166.	216.6	12110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**221.9**	**227.0**	**1091.**	**209.2**	**297.7**	**6159.**
Stddev	.6	.2	3.	.7	15.5	16.
%RSD	.2491	.0859	.2841	.3435	5.200	.2563
#1	222.5	227.1	1091.	210.0	315.1	6145.
#2	221.6	227.0	1094.	208.8	292.1	6156.
#3	221.5	226.7	1088.	208.8	285.7	6176.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9687.**	**2820.**	F **293100.**	**263.2**	**2395.**	**186.4**
Stddev	53.	6.	2996.	.6	13.	3.3
%RSD	.5495	.2198	1.022	.2130	.5515	1.783
#1	9635.	2827.	296500.	263.5	2381.	182.7
#2	9686.	2817.	291600.	263.6	2395.	189.0
#3	9741.	2815.	291100.	262.6	2408.	187.5
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118696-b-1-i ms Acquired: 8/21/2016 18:42:58 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.6**	**216.3**	**99.45**	**368.9**	**253.1**	**200.6**
Stddev	2.3	2.7	.65	2.7	1.9	.6
%RSD	1.089	1.253	.6526	.7266	.7317	.3069
#1	207.3	216.7	99.49	367.0	251.4	199.9
#2	208.5	218.8	100.1	367.7	255.1	200.9
#3	204.1	213.4	98.79	372.0	252.9	201.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**212.6**	**300.3**	**220.3**	**456.2**
Stddev	.6	1.7	2.3	14.7
%RSD	.2773	.5537	1.024	3.216
#1	212.1	302.2	217.7	455.6
#2	212.5	299.7	222.0	441.9
#3	213.2	299.0	221.1	471.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3899.6**	**40426.**	**3914.6**
Stddev	6.2	146.	46.1
%RSD	.15873	.36131	1.1766
#1	3893.7	40272.	3863.6
#2	3899.1	40562.	3953.2
#3	3906.0	40445.	3927.0

Sample Name: 460-118696-b-1-h du Acquired: 8/21/2016 18:46:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36.80**	**3.468**	**.5485**	**72.85**	**.0047**	**7858.**
Stddev	10.10	2.781	.1447	.45	.2028	38.
%RSD	27.46	80.19	26.38	.6141	4336.	.4835
#1	48.40	6.654	.6183	72.34	-.1362	7860.
#2	32.08	2.224	.6451	73.19	-.0868	7895.
#3	29.91	1.526	.3821	73.02	.2371	7819.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8318**	**4.325**	**.1893**	**4.395**	**83.03**	**2015.**
Stddev	.0614	.097	.2477	.233	6.89	21.
%RSD	7.377	2.237	130.9	5.290	8.297	1.030
#1	.8854	4.415	.3507	4.390	77.73	1997.
#2	.7649	4.223	.3130	4.631	80.55	2012.
#3	.8450	4.338	-.0960	4.166	90.82	2038.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5613.**	**2630.**	F **290500.**	**34.12**	**1357.**	**1.256**
Stddev	84.	12.	3671.	.50	15.	1.774
%RSD	1.495	.4623	1.264	1.465	1.095	141.2
#1	5519.	2616.	292800.	33.76	1344.	2.070
#2	5637.	2636.	292400.	33.92	1355.	2.477
#3	5682.	2639.	286200.	34.69	1373.	-.7784
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118696-b-1-h du Acquired: 8/21/2016 18:46:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4334**	**-.6242**	**-5.020**	**35.30**	**55.43**	**.7192**
Stddev	.9837	1.827	.129	.42	.77	.6059
%RSD	227.0	292.6	2.559	1.185	1.385	84.25
#1	.7676	-2.674	-5.060	35.12	54.75	1.418
#2	-.6739	.8308	-4.876	34.99	56.26	.3929
#3	1.206	-.0294	-5.124	35.77	55.30	.3464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5226**	**95.65**	**.7501**	**447.8**
Stddev	.5782	1.08	.0841	32.1
%RSD	110.6	1.132	11.22	7.180
#1	-.2824	94.45	.8463	411.6
#2	-1.182	95.93	.6905	458.6
#3	-.1032	96.56	.7134	473.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3924.8**	**40720.**	**3988.9**
Stddev	9.8	82.	58.9
%RSD	.24984	.20080	1.4778
#1	3922.6	40763.	3961.2
#2	3935.5	40626.	3949.0
#3	3916.3	40772.	4056.6

Sample Name: CCV Acquired: 8/21/2016 18:50:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123700.**	**2397.**	**1212.**	**9874.**	**1015.**	**127500.**
Stddev	32.	4.	4.	21.	3.	880.
%RSD	.0259	.1775	.3458	.2109	.2643	.6903
#1	123700.	2399.	1212.	9849.	1018.	127000.
#2	123700.	2399.	1215.	9884.	1013.	128500.
#3	123700.	2392.	1207.	9887.	1013.	127000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1232.**	**2452.**	**5119.**	**11670.**	**101400.**	**49280.**
Stddev	4.	7.	32.	45.	609.	24.
%RSD	.3258	.2817	.6280	.3888	.6009	.0489
#1	1228.	2445.	5111.	11730.	101300.	49290.
#2	1235.	2454.	5155.	11650.	102100.	49250.
#3	1234.	2458.	5092.	11640.	100900.	49300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125900.**	**5155.**	**121700.**	**2507.**	**7404.**	**930.7**
Stddev	718.	25.	252.	5.	20.	2.9
%RSD	.5705	.4867	.2072	.1964	.2688	.3132
#1	125500.	5145.	122000.	2504.	7381.	933.8
#2	126700.	5184.	121600.	2506.	7419.	930.1
#3	125500.	5136.	121600.	2513.	7412.	928.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 18:50:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2293.**	**2461.**	**2466.**	**2609.**	**936.7**	**2323.**
Stddev	3.	2.	8.	20.	1.1	4.
%RSD	.1391	.0673	.3347	.7504	.1157	.1845
#1	2296.	2463.	2460.	2586.	937.2	2318.
#2	2290.	2460.	2475.	2619.	935.4	2324.
#3	2293.	2460.	2462.	2621.	937.3	2326.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**970.4**	**5032.**	**10070.**	**8606.**
Stddev	3.9	25.	32.	102.
%RSD	.4002	.4934	.3167	1.183
#1	966.6	5061.	10090.	8719.
#2	974.3	5021.	10090.	8578.
#3	970.3	5015.	10030.	8522.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3818.1**	**39661.**	**3767.2**
Stddev	4.5	278.	34.5
%RSD	.11668	.70149	.91667
#1	3822.9	39744.	3807.0
#2	3814.2	39351.	3748.8
#3	3817.1	39888.	3745.7

Sample Name: CCB Acquired: 8/21/2016 18:54:19 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.585**	**2.760**	**.0865**	**.7108**	**-.0512**	**11.63**
Stddev	15.27	.351	.2388	.3634	.1780	2.10
%RSD	590.8	12.71	276.0	51.13	347.5	18.06
#1	16.59	2.381	-.1631	.9122	.1257	13.66
#2	4.863	2.823	.1098	.2913	-.2302	9.467
#3	-13.70	3.074	.3129	.9288	-.0491	11.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1858**	**.0380**	**.0506**	**-.9779**	**1.662**	**53.66**
Stddev	.0594	.1526	.2978	.4308	11.76	21.67
%RSD	31.99	401.7	588.6	44.05	707.6	40.38
#1	.1262	.1236	-.2633	-1.109	15.24	77.87
#2	.1861	-.1382	.0859	-.4968	-4.772	47.03
#3	.2451	.1286	.3292	-1.328	-5.478	36.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3697**	**.5948**	**154.2**	**-.0246**	**1.349**	**.2133**
Stddev	10.21	.0968	37.6	.6604	1.142	1.191
%RSD	2763.	16.28	24.36	2688.	84.61	558.3
#1	11.64	.7063	185.9	-.3962	2.382	-.6380
#2	-2.264	.5452	163.9	-.4154	.1232	-.2963
#3	-8.269	.5327	112.7	.7380	1.543	1.574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 18:54:19 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.653**	**1.394**	**.9899**	**.2438**	**2.422**	**1.146**
Stddev	.830	.975	.4727	.1749	.089	.678
%RSD	50.22	69.95	47.75	71.71	3.689	59.11
#1	-.6953	.8151	.4461	.3569	2.525	1.895
#2	-2.162	.8473	1.302	.0424	2.366	.9685
#3	-2.103	2.520	1.222	.3321	2.375	.5755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2088**	**.4159**	**.8836**	**-20.47**
Stddev	.8006	.1647	.1529	19.18
%RSD	383.5	39.60	17.30	93.71
#1	-.8963	.6027	1.060	-33.43
#2	.6702	.3536	.7869	-29.54
#3	-.4003	.2915	.8042	1.565
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.6**	**42157.**	**3927.2**
Stddev	30.0	207.	31.2
%RSD	.73834	.49019	.79325
#1	4055.9	42352.	3899.8
#2	4047.0	41940.	3920.6
#3	4102.9	42180.	3961.1

Sample Name: CCVL Acquired: 8/21/2016 18:58:21 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**185.6**	**15.82**	**9.241**	**203.4**	**1.932**	**5017.**
Stddev	20.8	3.09	.094	.4	.061	44.
%RSD	11.22	19.55	1.012	.2105	3.164	.8714
#1	175.7	19.36	9.143	202.9	1.968	4973.
#2	171.7	14.53	9.251	203.7	1.967	5061.
#3	209.6	13.59	9.330	203.5	1.862	5018.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.221**	**51.52**	**10.70**	**22.55**	**177.6**	**4613.**
Stddev	.204	.53	.40	.32	11.2	21.
%RSD	4.825	1.033	3.726	1.424	6.303	.4534
#1	4.129	50.92	10.80	22.91	165.9	4631.
#2	4.454	51.95	10.26	22.31	188.2	4590.
#3	4.080	51.67	11.04	22.42	178.8	4618.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4955.**	**16.56**	**4625.**	**42.56**	F **13.59**	**18.64**
Stddev	71.	.10	26.	1.04	.63	1.61
%RSD	1.429	.5820	.5515	2.442	4.660	8.621
#1	4873.	16.45	4643.	41.60	14.31	20.35
#2	5003.	16.64	4636.	42.42	13.36	18.42
#3	4987.	16.57	4596.	43.66	13.11	17.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					10.00	
Range					30.50%	

Sample Name: CCVL Acquired: 8/21/2016 18:58:21 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.35**	**21.23**	**51.20**	**34.17**	**46.53**	**19.02**
Stddev	.37	2.50	1.04	.55	.82	.16
%RSD	2.239	11.79	2.024	1.603	1.753	.8602
#1	16.07	18.38	50.01	33.54	45.59	18.89
#2	16.21	23.09	51.68	34.49	47.04	18.96
#3	16.76	22.22	51.91	34.49	46.96	19.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**49.55**	**20.05**	**21.53**	F **-14.25**
Stddev	.11	.16	.41	17.66
%RSD	.2188	.8116	1.887	123.9
#1	49.54	20.01	21.07	-34.64
#2	49.44	19.92	21.68	-3.991
#3	49.66	20.23	21.84	-4.120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.1**	**42510.**	**4071.2**
Stddev	8.3	96.	54.2
%RSD	.20251	.22502	1.3319
#1	4101.9	42424.	4025.1
#2	4087.5	42494.	4057.5
#3	4101.9	42613.	4130.9

Sample Name: CCV Acquired: 8/21/2016 19:02:55 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123800.**	**2395.**	**1209.**	**9840.**	**1018.**	**126100.**
Stddev	1114.	9.	2.	8.	10.	368.
%RSD	.9005	.3915	.1328	.0851	.9807	.2919
#1	122500.	2386.	1208.	9831.	1007.	126300.
#2	124300.	2395.	1209.	9848.	1024.	125700.
#3	124500.	2404.	1211.	9841.	1024.	126300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1224.**	**2443.**	**5083.**	**11640.**	**100400.**	**49290.**
Stddev	.	.	19.	21.	277.	514.
%RSD	.0184	.0076	.3641	.1799	.2763	1.043
#1	1224.	2443.	5081.	11640.	100200.	48700.
#2	1224.	2443.	5066.	11620.	100200.	49580.
#3	1223.	2443.	5103.	11670.	100700.	49590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125000.**	**5113.**	**123000.**	**2503.**	**7372.**	**926.9**
Stddev	335.	12.	512.	6.	3.	2.9
%RSD	.2678	.2344	.4168	.2543	.0340	.3153
#1	125000.	5114.	122400.	2497.	7369.	929.4
#2	124700.	5101.	123300.	2503.	7373.	923.7
#3	125300.	5125.	123200.	2510.	7372.	927.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 19:02:55 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2293.**	**2470.**	**2437.**	**2583.**	**943.8**	**2310.**
Stddev	19.	29.	4.	8.	6.9	5.
%RSD	.8276	1.183	.1547	.3150	.7314	.2208
#1	2315.	2504.	2438.	2589.	951.4	2304.
#2	2286.	2449.	2433.	2586.	937.9	2312.
#3	2279.	2458.	2441.	2574.	942.1	2314.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**970.4**	**5060.**	**10050.**	**8510.**
Stddev	11.6	40.	27.	31.
%RSD	1.196	.7903	.2644	.3621
#1	983.6	5015.	10030.	8493.
#2	965.8	5073.	10030.	8491.
#3	961.8	5092.	10080.	8545.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3840.5**	**39915.**	**3776.6**
Stddev	18.7	156.	41.3
%RSD	.48760	.39195	1.0923
#1	3829.3	39782.	3815.2
#2	3830.1	40087.	3733.2
#3	3862.1	39877.	3781.5

Sample Name: CCB Acquired: 8/21/2016 19:06:31 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.407**	**2.877**	**-.1915**	**-.0962**	**.0458**	**5.745**
Stddev	31.30	1.682	.7139	.2414	.0801	25.37
%RSD	1300.	58.47	372.8	250.9	175.1	441.6
#1	34.02	4.521	.3940	.1690	.0935	34.52
#2	-28.57	2.950	-.9868	-.1545	.0905	-3.885
#3	1.773	1.159	.0182	-.3031	-.0467	-13.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0129**	**.2758**	**.2917**	**-.4227**	**-1.895**	**28.79**
Stddev	.2246	.0510	.8171	.4449	3.261	27.48
%RSD	1736.	18.49	280.1	105.2	172.1	95.44
#1	-.0282	.2258	.9883	.0221	-5.646	40.29
#2	-.1882	.2738	-.6077	-.8677	.2729	-2.567
#3	.2553	.3277	.4946	-.4226	-.3124	48.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7937**	**.4454**	**80.25**	**.0893**	**1.847**	**-1.669**
Stddev	12.99	.5232	41.21	.2914	1.098	.879
%RSD	1637.	117.5	51.35	326.1	59.46	52.67
#1	15.10	1.042	127.6	.2744	2.276	-.8486
#2	-10.29	.0637	60.59	-.2465	2.665	-2.597
#3	-2.427	.2306	52.55	.2401	.5989	-1.562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 19:06:31 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.415**	**1.734**	**1.090**	**-.0498**	**2.494**	**.9188**
Stddev	2.045	1.393	.282	.2407	.486	.3350
%RSD	144.5	80.34	25.87	483.4	19.50	36.46
#1	-1.318	1.427	1.268	.1756	2.922	1.302
#2	.5797	.5198	1.238	-.3033	2.593	.7717
#3	-3.508	3.255	.7650	-.0217	1.965	.6825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2423**	**.2666**	**1.032**	**-11.45**
Stddev	.4608	.3503	.964	10.93
%RSD	190.2	131.4	93.41	95.50
#1	.2791	.6700	2.140	-10.86
#2	-.5952	.0907	.5652	-.8185
#3	-.4107	.0390	.3902	-22.66
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4073.8**	**42566.**	**3978.1**
Stddev	8.8	43.	46.0
%RSD	.21670	.10003	1.1556
#1	4082.5	42525.	3928.1
#2	4074.0	42610.	4018.5
#3	4064.8	42564.	3987.9

Sample Name: CCVL Acquired: 8/21/2016 19:10:33 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**184.6**	**13.67**	**8.968**	**196.8**	**1.934**	**4882.**
Stddev	9.3	1.01	.770	.5	.091	31.
%RSD	5.048	7.365	8.588	.2637	4.713	.6325
#1	194.5	14.81	8.970	196.7	2.001	4917.
#2	176.0	13.27	9.737	196.3	1.971	4874.
#3	183.4	12.92	8.196	197.3	1.830	4857.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.131**	**49.80**	**9.845**	**21.60**	**175.7**	**4476.**
Stddev	.187	.17	.399	.55	3.2	16.
%RSD	4.521	.3508	4.048	2.557	1.814	.3532
#1	3.989	49.69	10.14	21.00	177.7	4494.
#2	4.343	49.71	9.390	21.70	172.0	4463.
#3	4.061	50.00	10.01	22.09	177.4	4471.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4791.**	**15.96**	**4502.**	**41.26**	**11.54**	**17.29**
Stddev	57.	.14	25.	.58	1.56	.79
%RSD	1.191	.8949	.5659	1.412	13.51	4.549
#1	4732.	15.84	4514.	40.68	12.95	17.80
#2	4795.	15.92	4472.	41.27	9.864	17.69
#3	4845.	16.11	4518.	41.84	11.82	16.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 19:10:33 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.44**	**21.24**	**49.36**	**33.06**	**45.35**	**18.56**
Stddev	.55	2.16	.74	.18	.88	.29
%RSD	3.798	10.18	1.493	.5442	1.948	1.583
#1	14.54	23.63	48.69	33.05	44.95	18.63
#2	13.85	20.66	50.15	32.88	44.73	18.24
#3	14.93	19.42	49.24	33.24	46.36	18.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.69**	**19.68**	**20.70**	F **-6.871**
Stddev	1.24	.08	.36	13.71
%RSD	2.600	.4281	1.723	199.5
#1	47.22	19.59	20.37	-18.79
#2	46.75	19.68	20.66	-9.929
#3	49.09	19.76	21.08	8.105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4066.0**	**41766.**	**3915.8**
Stddev	2.9	239.	67.2
%RSD	.07184	.57277	1.7158
#1	4065.1	41817.	3839.1
#2	4063.7	41976.	3964.4
#3	4069.3	41506.	3943.8

Sample Name: mb 460-385944/1-a Acquired: 8/21/2016 19:14:33 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.548**	**.8693**	**.7473**	**.1392**	**.0622**	**.1939**
Stddev	11.51	.3326	.5581	.3040	.0540	6.275
%RSD	324.2	38.26	74.69	218.4	86.92	3237.
#1	-16.17	1.094	.4270	.0292	.0383	-6.698
#2	6.359	1.027	1.392	.4829	.0241	1.702
#3	-.8369	.4872	.4231	-.0945	.1240	5.577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0233**	**.0770**	**-.2323**	**-1.087**	**-.2076**	**26.99**
Stddev	.1591	.1704	.4341	.270	24.73	27.74
%RSD	683.0	221.4	186.9	24.84	11920.	102.8
#1	-.1468	.0076	-.4557	-1.211	16.21	16.64
#2	.1562	.2712	-.5092	-1.272	11.82	5.909
#3	-.0793	-.0478	.2680	-.7769	-28.65	58.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1981**	**.0723**	**14.08**	**-.9443**	**-1.094**	**.6280**
Stddev	3.932	.0138	7.88	.6544	2.861	1.692
%RSD	1985.	19.07	55.92	69.29	261.5	269.4
#1	3.801	.0757	17.90	-1.676	.0114	2.127
#2	.7888	.0571	5.026	-.4146	1.049	.9637
#3	-3.995	.0841	19.32	-.7426	-4.343	-1.206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385944/1-a Acquired: 8/21/2016 19:14:33 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6412**	**1.465**	**1.508**	**.1807**	**.8103**	**.2280**
Stddev	2.124	2.433	.380	.0739	.3121	.2612
%RSD	331.3	166.1	25.23	40.88	38.52	114.6
#1	-2.720	3.515	1.912	.2659	1.105	.2146
#2	1.526	-1.223	1.452	.1384	.8435	.4956
#3	-.7293	2.102	1.158	.1376	.4830	-.0262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0248**	**.0508**	**.2398**	**-10.04**
Stddev	.2168	.0749	.1718	4.54
%RSD	874.5	147.3	71.66	45.27
#1	.2255	.1369	.3025	-6.308
#2	-.1460	.0009	.0454	-8.708
#3	-.1538	.0147	.3714	-15.10
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4060.7**	**42172.**	**3932.7**
Stddev	22.0	197.	173.2
%RSD	.54073	.46807	4.4048
#1	4043.7	42010.	3781.9
#2	4052.9	42392.	3894.2
#3	4085.5	42115.	4121.9

Sample Name: lcs 460-385944/2-a@2 Acquired: 8/21/2016 19:18:34 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2589.**	**2465.**	**243.0**	**5356.**	**543.2**	**10460.**
Stddev	2.	9.	1.0	6.	2.5	26.
%RSD	.0957	.3767	.4085	.1135	.4671	.2449
#1	2586.	2474.	241.9	5361.	540.6	10480.
#2	2591.	2466.	243.0	5349.	543.3	10430.
#3	2589.	2455.	243.9	5357.	545.6	10470.
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**554.1**	**563.9**	**2681.**	**496.6**	**520.1**	**10010.**
Stddev	.8	1.2	6.	1.0	11.1	80.
%RSD	.1399	.2136	.2157	.2057	2.139	.7956
#1	554.9	564.4	2678.	497.6	511.2	9947.
#2	554.0	562.5	2677.	496.5	516.6	9976.
#3	553.3	564.8	2687.	495.6	532.6	10100.
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10420.**	**569.8**	**9980.**	**578.4**	**2734.**	**463.8**
Stddev	21.	1.2	20.	.1	8.	1.3
%RSD	.1975	.2105	.2032	.0200	.2944	.2853
#1	10410.	569.6	10000.	578.2	2737.	465.1
#2	10410.	568.8	9960.	578.4	2725.	463.9
#3	10450.	571.1	9978.	578.4	2740.	462.4
Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: lcs 460-385944/2-a@2 Acquired: 8/21/2016 19:18:34 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**491.9**	**579.8**	**253.3**	F **606.9**	**500.1**	**505.4**
Stddev	2.2	2.3	1.0	3.4	.7	1.0
%RSD	.4499	.4029	.3914	.5640	.1391	.1964
#1	493.4	580.9	253.5	602.9	500.8	504.6
#2	489.3	581.4	252.3	608.8	500.1	506.5
#3	492.9	577.1	254.2	608.9	499.4	505.1
Check ?	Chk Pass	None	None	Chk Fail	None	None
Value				500.0		
Range				20.00%		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**538.6**	**538.4**	**529.2**	**27.92**
Stddev	2.1	1.6	1.0	5.33
%RSD	.3891	.3047	.1841	19.09
#1	536.7	536.5	528.4	30.57
#2	540.9	538.8	529.0	21.78
#3	538.2	539.7	530.3	31.40
Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.3**	**42849.**	**4023.9**
Stddev	3.4	83.	28.9
%RSD	.08289	.19306	.71731
#1	4075.0	42834.	4051.0
#2	4075.8	42938.	4027.0
#3	4081.2	42775.	3993.6

Sample Name: 460-118696-b-1-g@5 Acquired: 8/21/2016 19:22:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.63**	**3.833**	**.4832**	**72.00**	**.0642**	**7697.**
Stddev	13.41	1.085	.1230	.49	.0552	44.
%RSD	64.98	28.30	25.46	.6785	85.98	.5651
#1	26.08	4.990	.4774	71.69	.0005	7735.
#2	5.359	2.839	.3632	72.56	.0962	7650.
#3	30.46	3.668	.6091	71.75	.0960	7707.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7163**	**4.451**	**.5879**	**4.850**	**89.11**	**1933.**
Stddev	.0567	.205	.3651	.338	6.95	57.
%RSD	7.919	4.600	62.10	6.976	7.802	2.961
#1	.6572	4.420	.3161	5.154	82.43	1883.
#2	.7702	4.264	.4447	4.912	88.59	1920.
#3	.7215	4.670	1.003	4.485	96.31	1995.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5533.**	**2585.**	F **290900.**	**34.37**	**1325.**	**1.535**
Stddev	46.	8.	5044.	.49	11.	1.629
%RSD	.8328	.3269	1.734	1.417	.8072	106.1
#1	5501.	2593.	296300.	34.49	1313.	2.275
#2	5512.	2576.	289900.	34.79	1328.	-.3327
#3	5586.	2585.	286400.	33.83	1334.	2.664
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118696-b-1-g@5 Acquired: 8/21/2016 19:22:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3588**	**-.1184**	**-4.142**	**34.06**	**55.24**	**.2812**
Stddev	1.372	1.546	.376	.42	.16	.3592
%RSD	382.5	1306.	9.077	1.240	.2900	127.7
#1	.1389	-1.433	-3.898	33.58	55.22	.6795
#2	1.828	-.5073	-3.953	34.20	55.10	.1826
#3	-.8905	1.585	-4.575	34.38	55.41	-.0184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2226**	**94.17**	**.5816**	**459.0**
Stddev	.3435	.39	.1658	9.8
%RSD	154.3	.4160	28.50	2.145
#1	.0116	94.29	.6533	452.9
#2	-.0625	94.48	.6995	470.4
#3	-.6170	93.73	.3921	453.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3927.2**	**40978.**	**4010.5**
Stddev	7.2	249.	65.8
%RSD	.18351	.60811	1.6401
#1	3935.0	40698.	3942.1
#2	3925.7	41173.	4073.3
#3	3920.8	41064.	4016.1

Sample Name: sd 460-118696-b-1-g Acquired: 8/21/2016 19:26:10 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.986**	**1.529**	**.0942**	**14.68**	**-.0263**	**1561.**
Stddev	14.85	1.122	.5287	.16	.0505	11.
%RSD	248.1	73.36	561.2	1.104	192.2	.6933
#1	23.13	1.478	.3798	14.82	-.0205	1566.
#2	-2.300	.4342	-.5159	14.50	-.0794	1568.
#3	-2.873	2.676	.4188	14.73	.0211	1548.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1558**	**.7783**	**-.1851**	**-.1852**	**14.67**	**411.9**
Stddev	.0788	.0718	.1489	.1452	7.84	30.5
%RSD	50.61	9.231	80.45	78.42	53.44	7.409
#1	.1620	.8612	-.1880	-.0414	7.667	427.5
#2	.0740	.7343	-.3324	-.1824	13.20	376.8
#3	.2313	.7393	-.0347	-.3318	23.13	431.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1116.**	**525.4**	**59730.**	**6.375**	**275.2**	**-.0010**
Stddev	7.	3.8	755.	.681	1.0	1.175
%RSD	.6006	.7238	1.264	10.68	.3812	116100.
#1	1118.	529.5	60590.	7.099	276.2	1.332
#2	1108.	522.0	59390.	6.282	274.1	-.4503
#3	1121.	524.7	59200.	5.746	275.2	-.8849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118696-b-1-g Acquired: 8/21/2016 19:26:10 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.096**	**1.233**	**-.2783**	**7.516**	**11.87**	**.0393**
Stddev	2.686	.804	.2476	.137	.07	.2014
%RSD	128.2	65.21	88.99	1.828	.6307	511.8
#1	-1.377	2.077	-.5576	7.562	11.95	-.1589
#2	.1579	1.143	-.1913	7.625	11.80	.2437
#3	-5.068	.4774	-.0858	7.362	11.86	.0332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.6154**	**18.99**	**-.0017**	**75.34**
Stddev	.9789	.07	.0578	17.41
%RSD	159.1	.3900	3419.	23.11
#1	.2354	18.93	-.0196	64.17
#2	-.3962	19.07	-.0484	95.41
#3	-1.685	18.98	.0629	66.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4060.8**	**42505.**	**4060.5**
Stddev	10.3	484.	132.5
%RSD	.25375	1.1381	3.2622
#1	4050.2	41948.	3907.8
#2	4061.4	42819.	4128.8
#3	4070.8	42748.	4144.9

Sample Name: 460-118794-c-2-g@5 Acquired: 8/21/2016 19:30:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.50**	**2.985**	**.5356**	**76.96**	**.0537**	**13440.**
Stddev	4.35	1.325	.5395	.50	.0370	65.
%RSD	8.279	44.40	100.7	.6465	68.99	.4823
#1	47.50	3.446	.3638	76.65	.0909	13410.
#2	55.37	1.491	1.140	76.70	.0168	13510.
#3	54.64	4.018	.1029	77.54	.0534	13400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2959**	**1.542**	**-.3810**	**12.22**	**17.05**	**738.9**
Stddev	.1303	.075	.5341	.26	7.13	23.5
%RSD	44.02	4.866	140.2	2.130	41.82	3.179
#1	.2973	1.519	.1651	12.38	19.97	712.7
#2	.4254	1.625	-.9023	11.92	22.26	745.6
#3	.1649	1.480	-.4059	12.36	8.927	758.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3339.**	**244.1**	F **265300.**	**2.160**	**21.94**	**.5844**
Stddev	22.	2.9	5495.	.248	2.05	.8130
%RSD	.6522	1.201	2.071	11.50	9.339	139.1
#1	3315.	240.7	270800.	2.437	22.91	1.146
#2	3345.	246.2	265300.	1.957	19.59	-.3479
#3	3358.	245.3	259800.	2.087	23.34	.9550
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118794-c-2-g@5 Acquired: 8/21/2016 19:30:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8461**	**.4766**	**.7343**	**27.22**	**50.69**	**.3102**
Stddev	.7877	2.306	.8586	.26	.69	.2005
%RSD	93.10	483.8	116.9	.9623	1.358	64.62
#1	-.6936	3.074	1.081	26.93	50.04	.1412
#2	-1.699	-1.328	1.366	27.30	50.62	.5317
#3	-.1457	-.3166	-.2434	27.44	51.41	.2578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2171**	**56.09**	**1.789**	**526.1**
Stddev	.2417	.28	.393	21.8
%RSD	111.3	.5081	21.97	4.148
#1	.3023	56.34	1.344	521.7
#2	.4047	55.78	2.087	506.8
#3	-.0556	56.14	1.936	549.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3952.5**	**41327.**	**4066.9**
Stddev	4.4	119.	53.0
%RSD	.11143	.28813	1.3043
#1	3955.9	41432.	4016.9
#2	3954.1	41198.	4061.2
#3	3947.5	41352.	4122.6

Sample Name: Z 460-118769-d-1-a Acquired: 8/21/2016 19:34:05 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**74040.**	F **-26.83**	**-2.715**	**32.54**	**1.390**	**196100.**
Stddev	629.	.91	.347	.17	.126	449.
%RSD	.8489	3.392	12.80	.5077	9.070	.2288
#1	74720.	-27.43	-3.054	32.73	1.368	196400.
#2	73930.	-25.78	-2.359	32.42	1.525	196400.
#3	73470.	-27.27	-2.733	32.49	1.276	195600.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-10.00				

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **-13.58**	**17.41**	**104.3**	**177.9**	F **1394000.**	**4972.**
Stddev	1.76	.05	.4	.5	2300.	46.
%RSD	12.99	.2926	.3850	.2818	.1650	.9235
#1	-11.66	17.39	103.8	178.1	1393000.	5001.
#2	-15.13	17.47	104.6	178.3	1397000.	4996.
#3	-13.94	17.38	104.4	177.4	1393000.	4919.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	2500.				200000.	
Low Limit	-10.00				-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**80820.**	F **16670.**	**26850.**	**294.1**	F **-470.2**	F **-50.90**
Stddev	124.	49.	240.	2.0	3.8	4.85
%RSD	.1536	.2932	.8945	.6666	.8156	9.531
#1	80830.	16650.	27090.	295.6	-473.8	-47.61
#2	80940.	16720.	26840.	294.8	-470.7	-56.47
#3	80700.	16630.	26610.	291.9	-466.2	-48.63
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit		10000.			15000.	2000.
Low Limit		-15.00			-10.00	-20.00

Sample Name: Z 460-118769-d-1-a Acquired: 8/21/2016 19:34:05 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.295**	**18.44**	**-10.74**	**962.7**	**263.9**	**5.349**
Stddev	1.523	3.01	.19	5.8	1.9	.177
%RSD	18.36	16.35	1.746	.6066	.7367	3.303
#1	9.432	21.03	-10.57	967.0	265.8	5.190
#2	8.889	15.13	-10.94	965.2	264.1	5.539
#3	6.565	19.16	-10.70	956.1	261.9	5.318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-3.820**	**1813.**	**16.36**	**11900.**
Stddev	.461	18.	.46	108.
%RSD	12.07	1.006	2.800	.9095
#1	-3.621	1832.	15.83	11950.
#2	-3.492	1811.	16.63	11980.
#3	-4.347	1796.	16.62	11780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3834.2**	**40887.**	**3943.4**
Stddev	11.3	279.	24.9
%RSD	.29519	.68214	.63114
#1	3847.2	41204.	3934.7
#2	3826.4	40779.	3971.5
#3	3828.9	40679.	3924.1

Sample Name: 460-118936-a-1-a@50 Acquired: 8/21/2016 19:38:11 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**158.5**	**1.539**	**.3388**	**16.36**	**.1164**	**6722.**
Stddev	20.0	2.698	.6336	.24	.1550	187.
%RSD	12.61	175.4	187.0	1.475	133.1	2.778
#1	143.7	-.3079	-.1812	16.09	.1276	6937.
#2	181.2	.2884	.1531	16.49	.2655	6601.
#3	150.4	4.635	1.045	16.51	-.0438	6627.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0164**	**1.228**	**18.63**	**6.507**	**6295.**	**544.4**
Stddev	.1415	.134	.28	.192	155.	58.5
%RSD	864.9	10.95	1.522	2.958	2.467	10.75
#1	-.1769	1.195	18.31	6.723	6368.	489.6
#2	.0903	1.376	18.84	6.445	6399.	606.0
#3	.0376	1.113	18.74	6.353	6116.	537.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**846.3**	**99.94**	**58880.**	**11.59**	**.7889**	**-.4181**
Stddev	4.0	1.57	750.	.18	3.729	2.341
%RSD	.4745	1.573	1.273	1.557	472.7	559.8
#1	845.1	100.6	59060.	11.75	-2.510	-1.406
#2	850.7	101.1	59530.	11.39	4.835	-2.103
#3	842.9	98.15	58060.	11.63	.0413	2.255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118936-a-1-a@50 Acquired: 8/21/2016 19:38:11 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9941**	**-.1430**	**1.497**	**76.40**	**4.958**	**1.741**
Stddev	3.348	1.360	.478	.71	.220	.440
%RSD	336.8	951.1	31.94	.9264	4.443	25.25
#1	3.577	-.0278	1.281	76.05	5.030	2.215
#2	2.194	1.156	1.166	75.93	5.134	1.659
#3	-2.788	-1.557	2.046	77.21	4.711	1.348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1323**	**60.12**	**4.994**	**1179.**
Stddev	.6473	1.41	.161	58.
%RSD	489.4	2.337	3.219	4.901
#1	-.6137	58.83	4.870	1113.
#2	.4640	61.62	4.936	1222.
#3	.5465	59.92	5.175	1201.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4047.5**	**43814.**	**4349.5**
Stddev	4.0	947.	298.3
%RSD	.09804	2.1615	6.8573
#1	4043.0	42728.	4005.2
#2	4050.5	44469.	4527.6
#3	4049.1	44245.	4515.7

Sample Name: 460-118936-a-2-a@50 Acquired: 8/21/2016 19:42:10 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**114.5**	**2.803**	**.2624**	**7.562**	**.0159**	**2008.**
Stddev	17.8	2.199	.4453	.202	.0610	28.
%RSD	15.53	78.46	169.7	2.675	383.2	1.401
#1	121.9	5.262	-.1823	7.743	-.0408	1978.
#2	127.4	2.122	.2613	7.599	.0081	2013.
#3	94.22	1.025	.7083	7.344	.0805	2033.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1700**	**.9577**	**14.08**	**6.894**	**4404.**	**483.3**
Stddev	.0705	.0930	.30	.371	71.	35.2
%RSD	41.45	9.712	2.103	5.387	1.614	7.281
#1	-.1292	1.065	13.75	6.812	4323.	501.7
#2	-.1294	.8968	14.31	7.300	4456.	442.7
#3	-.2513	.9116	14.19	6.572	4434.	505.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**386.1**	**44.43**	**53520.**	**11.70**	**.4850**	**-1.791**
Stddev	3.2	.61	664.	.37	1.352	2.619
%RSD	.8226	1.383	1.240	3.123	278.8	146.2
#1	386.9	43.73	54070.	11.99	.9758	.1347
#2	382.6	44.84	53700.	11.82	1.523	-.7342
#3	388.9	44.74	52780.	11.29	-1.044	-4.772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118936-a-2-a@50 Acquired: 8/21/2016 19:42:10 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.580**	**-.6401**	**1.264**	**105.7**	**3.597**	**1.921**
Stddev	2.051	1.940	.294	1.7	.362	.140
%RSD	44.77	303.1	23.29	1.562	10.07	7.258
#1	-4.029	.8032	1.095	104.5	3.420	1.800
#2	-6.851	-2.846	1.094	104.9	3.358	2.074
#3	-2.862	.1222	1.604	107.5	4.014	1.890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3345**	**19.92**	**3.917**	**449.5**
Stddev	.4742	.12	.270	17.9
%RSD	141.8	.6034	6.895	3.978
#1	.7116	19.81	3.774	429.0
#2	.4897	19.90	4.228	461.9
#3	-.1978	20.05	3.748	457.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.2**	**43721.**	**4426.9**
Stddev	18.9	277.	127.6
%RSD	.47013	.63447	2.8821
#1	4002.2	43945.	4280.1
#2	4028.4	43411.	4489.9
#3	4039.0	43808.	4510.8

Sample Name: 460-118721-a-1-a Acquired: 8/21/2016 19:46:07 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**556.8**	**5.914**	**-.8061**	**209.0**	**-.0321**	**100200.**
Stddev	11.6	1.744	1.097	.5	.1027	1386.
%RSD	2.090	29.49	136.1	.2405	320.5	1.383
#1	562.3	7.262	-2.019	209.2	-.1317	100400.
#2	564.8	3.944	-.5167	209.4	-.0380	98720.
#3	543.5	6.535	.1169	208.5	.0735	101500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4735**	**.8328**	**-.7070**	**1.313**	**100.0**	**20520.**
Stddev	.0270	.1846	.4670	.384	6.8	317.
%RSD	5.705	22.16	66.06	29.28	6.789	1.542
#1	.5045	.9982	-.2027	1.639	104.5	20600.
#2	.4613	.6337	-.7937	1.410	103.3	20180.
#3	.4549	.8665	-1.125	.8891	92.20	20790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20950.**	**152.8**	**206600.**	**3.465**	**3.885**	**1.514**
Stddev	184.	3.3	3554.	1.077	1.176	.897
%RSD	.8790	2.157	1.720	31.08	30.26	59.23
#1	21020.	153.0	210700.	3.411	2.761	2.487
#2	20750.	149.3	204800.	2.417	3.788	1.333
#3	21100.	155.9	204400.	4.568	5.107	.7217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118721-a-1-a Acquired: 8/21/2016 19:46:07 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.350**	**.8814**	**8.648**	**8.064**	**354.0**	**14.38**
Stddev	.517	1.787	.449	.268	2.9	.42
%RSD	15.44	202.7	5.188	3.322	.8256	2.949
#1	-2.816	2.819	8.134	7.825	353.2	13.89
#2	-3.385	-.7009	8.851	8.013	357.2	14.57
#3	-3.850	.5260	8.960	8.354	351.5	14.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.397**	**791.6**	**2.309**	**10120.**
Stddev	.600	8.5	.195	85.
%RSD	42.94	1.073	8.449	.8397
#1	-.7056	801.4	2.364	10070.
#2	-1.707	786.9	2.093	10220.
#3	-1.779	786.5	2.471	10080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3997.8**	**42768.**	**4409.3**
Stddev	36.3	746.	43.1
%RSD	.90709	1.7441	.97716
#1	4039.3	43253.	4434.2
#2	3982.1	43141.	4434.1
#3	3972.1	41909.	4359.5

Sample Name: 460-118697-d-1-a Acquired: 8/21/2016 19:50:02 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62.96**	**6.752**	**-.5608**	**238.8**	**-.0672**	**124900.**
Stddev	13.06	2.537	1.123	.4	.0784	1241.
%RSD	20.75	37.57	200.3	.1635	116.6	.9938
#1	77.79	4.608	-1.776	239.1	-.1171	123500.
#2	57.93	9.552	-.3457	238.9	.0231	125300.
#3	53.16	6.095	.4394	238.4	-.1077	125900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3927**	**.4823**	**-1.013**	**2.205**	**567.1**	**40640.**
Stddev	.1377	.2646	.267	.061	8.7	376.
%RSD	35.07	54.86	26.38	2.785	1.534	.9255
#1	.2572	.1887	-1.316	2.137	558.0	41070.
#2	.3884	.7022	-.9154	2.257	575.4	40490.
#3	.5324	.5561	-.8085	2.220	567.9	40370.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**92640.**	**524.7**	F **744000.**	**4.006**	**8.035**	**-.8625**
Stddev	710.	3.6	36250.	.400	1.126	.9091
%RSD	.7661	.6772	4.873	9.986	14.02	105.4
#1	91890.	520.7	785800.	3.565	7.394	-.4618
#2	92730.	525.8	722400.	4.346	9.335	-.2227
#3	93300.	527.5	723700.	4.108	7.376	-1.903
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118697-d-1-a Acquired: 8/21/2016 19:50:02 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7506**	**-.0025**	**5.659**	**78.89**	**606.7**	**3.827**
Stddev	.4231	2.687	.327	.37	1.5	.368
%RSD	56.36	107100.	5.777	.4653	.2545	9.625
#1	-.6805	.3738	5.312	78.47	608.5	3.907
#2	-.3670	2.477	5.703	79.11	606.2	4.148
#3	-1.204	-2.858	5.961	79.10	605.5	3.425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.846**	**1059.**	**2.950**	**9057.**
Stddev	.315	13.	.063	17.
%RSD	17.06	1.212	2.120	.1824
#1	-2.115	1073.	2.925	9057.
#2	-1.924	1055.	3.021	9074.
#3	-1.500	1048.	2.903	9041.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3740.2**	**38821.**	**3935.9**
Stddev	3.3	483.	46.1
%RSD	.08947	1.2451	1.1720
#1	3743.8	39316.	3975.3
#2	3739.7	38797.	3947.3
#3	3737.1	38350.	3885.1

Sample Name: CCV Acquired: 8/21/2016 19:54:08 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123600.**	**2429.**	**1216.**	**9930.**	**1018.**	**124700.**
Stddev	160.	7.	3.	31.	2.	334.
%RSD	.1292	.2689	.2831	.3123	.1927	.2679
#1	123400.	2423.	1219.	9915.	1016.	124500.
#2	123600.	2427.	1218.	9910.	1020.	125100.
#3	123800.	2436.	1212.	9966.	1017.	124600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1234.**	**2464.**	**5055.**	**11900.**	**99970.**	**49520.**
Stddev	4.	9.	11.	46.	356.	96.
%RSD	.3228	.3712	.2260	.3841	.3565	.1941
#1	1232.	2460.	5059.	11950.	99830.	49600.
#2	1232.	2458.	5065.	11870.	100400.	49410.
#3	1239.	2475.	5043.	11870.	99700.	49550.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124500.**	**5099.**	**120000.**	**2519.**	**7437.**	**949.6**
Stddev	217.	10.	719.	6.	14.	8.1
%RSD	.1743	.1868	.5988	.2239	.1835	.8506
#1	124600.	5100.	119400.	2515.	7433.	949.3
#2	124700.	5109.	120000.	2517.	7426.	941.6
#3	124300.	5090.	120800.	2526.	7452.	957.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 19:54:08 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2349.**	**2492.**	**2448.**	**2573.**	**959.2**	**2342.**
Stddev	22.	26.	1.	7.	11.7	12.
%RSD	.9241	1.045	.0588	.2817	1.223	.5186
#1	2343.	2489.	2447.	2565.	954.0	2337.
#2	2331.	2468.	2449.	2579.	951.0	2333.
#3	2373.	2520.	2449.	2575.	972.6	2355.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**979.6**	**5095.**	**10060.**	**8828.**
Stddev	9.1	10.	25.	12.
%RSD	.9334	.2040	.2460	.1365
#1	977.3	5105.	10080.	8835.
#2	971.9	5084.	10050.	8814.
#3	989.7	5095.	10040.	8834.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3800.4**	**40182.**	**3908.5**
Stddev	24.3	481.	34.6
%RSD	.63879	1.1958	.88493
#1	3776.2	39837.	3883.5
#2	3800.2	39979.	3894.1
#3	3824.8	40731.	3948.0

Sample Name: CCB Acquired: 8/21/2016 19:57:44 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.75**	**1.278**	**.4827**	**1.185**	**.0498**	**41.97**
Stddev	5.97	1.752	.5347	.357	.0467	3.70
%RSD	30.25	137.1	110.8	30.15	93.70	8.818
#1	13.40	-.6490	.4998	1.597	.0963	39.13
#2	20.59	1.709	-.0603	.9995	.0029	46.16
#3	25.26	2.774	1.009	.9590	.0503	40.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2549**	**.3446**	**.8553**	**.6001**	**7.988**	**69.22**
Stddev	.2019	.2254	.7128	.3853	21.57	43.84
%RSD	79.23	65.42	83.33	64.20	270.0	63.33
#1	.0439	.5412	1.608	1.024	19.23	115.3
#2	.4463	.0986	.7661	.5045	21.61	27.98
#3	.2744	.3939	.1913	.2716	-16.88	64.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28.64**	**.8293**	**313.8**	**.6457**	**1.014**	**-.7373**
Stddev	6.53	.1566	30.8	.6289	1.512	.9908
%RSD	22.80	18.88	9.807	97.39	149.1	134.4
#1	32.87	.9914	343.6	1.284	-.6957	-.4921
#2	31.92	.8177	315.6	.0263	2.174	-1.828
#3	21.12	.6789	282.1	.6271	1.562	.1078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 19:57:44 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.680**	**.9941**	**.9077**	**.3387**	**3.198**	**1.638**
Stddev	2.761	1.842	.3282	.1464	.431	.936
%RSD	103.0	185.3	36.16	43.21	13.48	57.17
#1	.2331	2.720	1.282	.3451	3.169	2.657
#2	-5.258	1.207	.6683	.1893	3.642	1.440
#3	-3.015	-.9449	.7730	.4818	2.782	.8160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.7936**	**.9041**	**1.752**	**-8.050**
Stddev	.8641	.2055	.234	18.17
%RSD	108.9	22.73	13.35	225.7
#1	-.5779	1.138	2.020	-22.68
#2	-1.745	.8231	1.594	12.29
#3	-.0577	.7516	1.641	-13.76
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4056.8**	**42435.**	**3969.9**
Stddev	13.3	134.	37.1
%RSD	.32671	.31673	.93449
#1	4069.6	42355.	3929.2
#2	4043.2	42591.	4001.9
#3	4057.5	42361.	3978.5

Sample Name: CCVL Acquired: 8/21/2016 20:01:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.9**	**16.35**	**9.752**	**201.1**	**2.015**	**4890.**
Stddev	9.0	1.62	.277	.8	.110	20.
%RSD	4.494	9.921	2.843	.3928	5.460	.4060
#1	196.1	16.57	9.554	200.3	1.889	4907.
#2	210.1	14.63	9.633	201.9	2.092	4868.
#3	193.4	17.85	10.07	201.0	2.064	4894.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.196**	**51.06**	**10.21**	**22.71**	**174.5**	**4610.**
Stddev	.163	.33	.19	.20	1.6	64.
%RSD	3.887	.6542	1.870	.8735	.9182	1.378
#1	4.095	51.14	10.30	22.49	176.2	4575.
#2	4.384	51.34	9.996	22.77	174.1	4571.
#3	4.109	50.69	10.35	22.88	173.1	4683.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4799.**	**16.15**	**4727.**	**41.53**	**12.50**	**17.45**
Stddev	46.	.21	34.	.65	2.12	2.46
%RSD	.9548	1.315	.7163	1.572	16.97	14.10
#1	4796.	15.95	4747.	42.13	14.62	16.50
#2	4755.	16.13	4688.	41.62	10.37	15.61
#3	4846.	16.37	4747.	40.83	12.52	20.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 20:01:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.19**	**21.72**	**49.02**	**33.53**	**47.09**	**19.00**
Stddev	1.45	1.50	.77	.09	.34	.07
%RSD	9.546	6.892	1.575	.2826	.7122	.3865
#1	15.23	22.23	48.65	33.61	47.18	19.00
#2	16.61	22.90	48.50	33.55	47.37	19.07
#3	13.71	20.04	49.91	33.42	46.72	18.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.81**	**20.40**	**21.19**	F **-12.90**
Stddev	.14	.13	.36	6.60
%RSD	.2781	.6531	1.695	51.16
#1	48.66	20.54	21.10	-13.41
#2	48.93	20.28	20.88	-19.24
#3	48.84	20.37	21.58	-6.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.4**	**42745.**	**4060.9**
Stddev	6.5	220.	49.6
%RSD	.16088	.51529	1.2203
#1	4067.2	42494.	4006.5
#2	4075.5	42833.	4072.8
#3	4062.6	42907.	4103.4

Sample Name: ZZZ Acquired: 8/21/2016 20:05:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.563**	**-.1635**	**.7044**	**-.0335**	**-.1490**	**7.408**
Stddev	11.58	1.922	.8722	.4289	.1149	22.96
%RSD	176.5	1176.	123.8	1280.	77.08	309.9
#1	-8.046	-1.240	1.691	.4611	-.0181	33.42
#2	-17.33	2.056	.3863	-.3027	-.1961	-1.172
#3	5.691	-1.306	.0359	-.2589	-.2328	-10.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0816**	**.1501**	**-.2202**	**-1.146**	**2.644**	**9.420**
Stddev	.0548	.2597	.2922	.883	11.46	38.36
%RSD	67.13	173.0	132.7	77.08	433.5	407.2
#1	.0414	.2603	.0272	-.2533	15.60	-1.006
#2	.0595	.3366	-.5426	-1.165	-6.165	-22.65
#3	.1441	-.1465	-.1454	-2.019	-1.506	51.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.402**	**.0822**	**115.7**	**-.5584**	**-.4884**	**-.9613**
Stddev	14.99	.3679	63.0	.6470	.6228	1.474
%RSD	1069.	447.6	54.40	115.9	127.5	153.3
#1	18.71	.4970	187.2	.1502	-.5515	-1.062
#2	-7.299	-.2046	91.79	-.7081	-1.077	-2.382
#3	-7.203	-.0458	68.27	-1.117	.1636	.5602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:05:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.038**	**-.3822**	**1.138**	**.1035**	**1.546**	**.1132**
Stddev	2.503	1.132	.502	.1016	.233	.2976
%RSD	49.69	296.0	44.14	98.18	15.08	262.8
#1	-5.432	-1.294	1.331	.0162	1.813	-.0654
#2	-2.361	.8841	.5681	.0792	1.381	-.0517
#3	-7.321	-.7365	1.516	.2151	1.444	.4568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5523**	**.1563**	**.3084**	**-8.922**
Stddev	.1705	.3842	.6201	4.711
%RSD	30.88	245.8	201.0	52.81
#1	-.5100	.5998	1.024	-14.36
#2	-.7400	-.0550	-.0341	-6.217
#3	-.4069	-.0759	-.0648	-6.186
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4079.6**	**42725.**	**4086.4**
Stddev	8.0	63.	10.4
%RSD	.19705	.14705	.25363
#1	4088.7	42654.	4090.8
#2	4076.7	42750.	4093.8
#3	4073.5	42772.	4074.5

Sample Name: ZZZ Acquired: 8/21/2016 20:09:47 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1962.**	**1994.**	**49.31**	**2082.**	**51.16**	**20380.**
Stddev	36.	8.	.36	3.	.27	97.
%RSD	1.852	.3871	.7234	.1297	.5364	.4771
#1	2003.	1989.	49.72	2085.	51.46	20490.
#2	1948.	1990.	49.10	2080.	50.92	20310.
#3	1934.	2003.	49.11	2083.	51.10	20350.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.35**	**528.1**	**213.9**	**237.8**	**1076.**	**19630.**
Stddev	.14	.8	.6	1.9	1.	21.
%RSD	.2582	.1518	.2742	.8141	.1056	.1094
#1	53.50	528.4	213.8	235.7	1075.	19620.
#2	53.24	527.2	214.5	239.5	1077.	19610.
#3	53.29	528.7	213.3	238.3	1076.	19650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20520.**	**531.9**	**19040.**	**545.2**	**544.4**	**458.5**
Stddev	36.	1.4	250.	1.0	4.0	4.9
%RSD	.1777	.2675	1.314	.1836	.7300	1.068
#1	20560.	533.1	19170.	544.9	546.3	453.2
#2	20480.	532.2	19210.	546.3	539.9	459.6
#3	20520.	530.3	18760.	544.4	547.1	462.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ZZZ Acquired: 8/21/2016 20:09:47 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2002.**	**2210.**	**520.2**	F **578.8**	**504.4**	**482.3**
Stddev	14.	8.	3.1	1.3	3.2	2.9
%RSD	.6844	.3676	.5913	.2166	.6424	.6015
#1	1988.	2200.	516.9	579.6	500.7	479.1
#2	2003.	2212.	521.0	577.3	505.6	483.0
#3	2015.	2216.	522.9	579.5	506.8	484.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				500.0		
Range				15.00%		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**532.9**	**507.8**	**512.9**	**50.67**
Stddev	1.9	5.9	1.1	8.84
%RSD	.3618	1.164	.2142	17.45
#1	533.1	511.3	513.3	56.88
#2	530.9	511.1	513.7	40.54
#3	534.8	501.0	511.7	54.58
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4134.7**	**43196.**	**4148.5**
Stddev	30.9	259.	53.6
%RSD	.74614	.59941	1.2923
#1	4166.2	43482.	4130.4
#2	4133.3	43128.	4106.3
#3	4104.5	42978.	4208.8

Sample Name: ZZZ Acquired: 8/21/2016 20:13:30 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2183.**	**2436.**	**44.58**	**2124.**	**52.34**	**23560.**
Stddev	12.	4.	.20	3.	.89	147.
%RSD	.5623	.1781	.4436	.1562	1.702	.6229
#1	2169.	2432.	44.35	2122.	51.31	23440.
#2	2192.	2440.	44.68	2128.	52.85	23720.
#3	2189.	2436.	44.70	2123.	52.86	23520.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.65**	**530.3**	**208.6**	**322.1**	**9227.**	**20460.**
Stddev	.34	2.8	1.2	1.7	51.	312.
%RSD	.6586	.5348	.5637	.5326	.5518	1.524
#1	51.32	527.3	208.2	320.4	9175.	20100.
#2	51.64	532.9	209.9	322.0	9277.	20660.
#3	52.00	530.9	207.7	323.8	9229.	20610.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16600.**	**562.1**	**21170.**	**543.9**	**500.0**	**475.5**
Stddev	121.	2.9	23.	1.7	2.9	4.4
%RSD	.7293	.5144	.1068	.3083	.5708	.9291
#1	16460.	559.9	21140.	542.1	498.8	478.0
#2	16690.	565.4	21190.	545.4	503.2	478.1
#3	16640.	560.9	21170.	544.2	497.9	470.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:13:30 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2879.**	**2017.**	**503.7**	**805.7**	**478.5**	**518.8**
Stddev	6.	10.	2.3	10.2	.3	1.5
%RSD	.2030	.5160	.4562	1.266	.0644	.2854
#1	2875.	2016.	501.0	811.9	478.3	517.5
#2	2876.	2028.	504.8	811.3	478.9	520.4
#3	2886.	2007.	505.2	793.9	478.4	518.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**520.7**	**542.6**	**513.4**	**1014.**
Stddev	2.3	2.6	.6	33.
%RSD	.4354	.4719	.1231	3.282
#1	519.0	539.7	512.8	987.5
#2	519.8	543.8	514.1	1051.
#3	523.3	544.4	513.3	1002.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3814.1**	**44084.**	**4528.9**
Stddev	12.2	194.	28.7
%RSD	.32025	.44098	.63375
#1	3828.1	44300.	4534.8
#2	3808.6	43924.	4497.7
#3	3805.6	44028.	4554.3

Sample Name: ZZZ Acquired: 8/21/2016 20:17:12 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2242.**	**2541.**	**46.26**	**2213.**	**52.77**	**24680.**
Stddev	10.	11.	.80	3.	.23	54.
%RSD	.4465	.4185	1.724	.1439	.4353	.2172
#1	2232.	2529.	46.53	2210.	52.96	24740.
#2	2244.	2549.	46.88	2216.	52.84	24640.
#3	2252.	2545.	45.36	2214.	52.51	24670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.76**	**551.4**	**217.6**	**334.1**	**9568.**	**20560.**
Stddev	.58	3.3	.9	3.3	26.	182.
%RSD	1.074	.5898	.4066	.9808	.2707	.8852
#1	53.22	548.4	217.7	331.1	9540.	20360.
#2	54.37	554.9	216.7	337.6	9574.	20700.
#3	53.69	550.8	218.5	333.5	9590.	20630.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17300.**	**587.0**	**21770.**	**564.2**	**516.0**	**490.2**
Stddev	86.	.5	37.	3.2	3.7	3.5
%RSD	.4979	.0880	.1676	.5611	.7123	.7138
#1	17200.	587.2	21780.	562.0	514.3	488.6
#2	17320.	586.4	21740.	567.8	520.3	494.2
#3	17360.	587.4	21810.	562.8	513.5	487.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:17:12 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3015.**	**2104.**	**527.0**	**833.2**	**493.5**	**541.8**
Stddev	18.	15.	2.8	8.5	3.4	3.9
%RSD	.5968	.7326	.5277	1.019	.6986	.7270
#1	2997.	2086.	523.8	842.9	489.5	537.3
#2	3032.	2112.	528.9	829.1	495.5	543.0
#3	3017.	2113.	528.4	827.4	495.4	544.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**544.6**	**553.9**	**533.9**	**980.8**
Stddev	4.1	.4	.4	10.0
%RSD	.7450	.0673	.0804	1.015
#1	541.3	554.3	533.6	990.3
#2	549.1	553.7	534.4	981.6
#3	543.4	553.7	533.7	970.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3789.0**	**43781.**	**4535.1**
Stddev	15.0	142.	28.8
%RSD	.39672	.32504	.63457
#1	3806.3	43940.	4568.3
#2	3779.7	43736.	4519.4
#3	3781.0	43666.	4517.5

Sample Name: ZZZ Acquired: 8/21/2016 20:20:52 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**308.6**	**62.36**	**.3050**	**18.13**	**-.0201**	**5929.**
Stddev	17.1	2.26	.6020	.16	.1502	39.
%RSD	5.524	3.620	197.4	.8925	746.1	.6559
#1	289.4	60.97	1.000	18.13	-.1430	5885.
#2	322.0	61.15	-.0546	18.30	-.0647	5945.
#3	314.3	64.97	-.0303	17.98	.1473	5958.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4064**	**1.126**	**4.923**	**94.44**	**8899.**	**1504.**
Stddev	.2035	.325	.222	.60	110.	31.
%RSD	50.08	28.84	4.512	.6398	1.233	2.060
#1	.2284	1.501	5.179	93.78	8789.	1472.
#2	.3626	.9458	4.777	94.55	8901.	1534.
#3	.6282	.9310	4.813	94.98	9008.	1506.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**461.6**	**71.54**	**3133.**	**5.757**	**21.10**	**6.204**
Stddev	4.7	1.12	105.	.487	3.43	1.975
%RSD	1.014	1.569	3.341	8.458	16.27	31.83
#1	458.9	70.24	3022.	6.306	24.78	7.391
#2	458.9	72.19	3146.	5.584	17.98	7.297
#3	467.0	72.19	3230.	5.380	20.53	3.925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:20:52 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**55.57**	F **-71.23**	**1.773**	**258.8**	**5.530**	**1.579**
Stddev	1.61	3.71	.918	1.6	.355	.250
%RSD	2.903	5.214	51.79	.6177	6.418	15.81
#1	55.47	-66.95	.7157	257.4	5.930	1.508
#2	54.02	-73.58	2.233	260.6	5.251	1.857
#3	57.24	-73.16	2.370	258.4	5.410	1.373
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**37.90**	**22.31**	**3.728**	**972.8**
Stddev	.84	.54	.169	26.3
%RSD	2.219	2.428	4.544	2.702
#1	37.13	21.74	3.533	955.7
#2	37.76	22.38	3.831	959.6
#3	38.80	22.82	3.821	1003.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3858.7**	**44572.**	**4515.2**
Stddev	21.9	293.	84.0
%RSD	.56631	.65708	1.8614
#1	3877.1	44902.	4596.3
#2	3864.4	44472.	4520.8
#3	3834.5	44343.	4428.5

Sample Name: ZZZ Acquired: 8/21/2016 20:24:48 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**278.2**	**57.74**	**.3742**	**16.87**	**-.0424**	**5610.**
Stddev	6.5	2.75	.2531	.40	.0138	22.
%RSD	2.350	4.754	67.65	2.378	32.60	.3890
#1	280.1	56.77	.0883	16.51	-.0505	5610.
#2	283.6	55.60	.5700	16.81	-.0502	5588.
#3	271.0	60.83	.4642	17.30	-.0264	5631.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3455**	**1.016**	**4.581**	**90.18**	**8441.**	**1378.**
Stddev	.0846	.037	.255	1.44	60.	23.
%RSD	24.47	3.642	5.567	1.593	.7096	1.656
#1	.2747	.9731	4.372	88.59	8375.	1387.
#2	.3226	1.032	4.505	91.40	8454.	1396.
#3	.4391	1.041	4.865	90.54	8492.	1352.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**434.3**	**67.51**	**2906.**	**5.070**	**19.42**	**4.460**
Stddev	9.0	1.03	43.	.110	.97	.500
%RSD	2.067	1.520	1.476	2.167	4.983	11.21
#1	424.4	66.42	2909.	5.093	19.37	4.265
#2	436.7	67.64	2947.	4.950	18.48	4.087
#3	441.9	68.46	2862.	5.167	20.42	5.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:24:48 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.69**	F **-65.23**	**1.763**	**243.6**	**4.453**	**1.223**
Stddev	5.65	1.38	.892	1.8	.304	.129
%RSD	12.11	2.113	50.60	.7492	6.819	10.58
#1	44.47	-66.63	1.377	241.6	4.543	1.259
#2	42.48	-63.88	1.129	245.2	4.701	1.079
#3	53.11	-65.18	2.783	244.1	4.114	1.331
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**35.03**	**20.68**	**3.441**	**941.1**
Stddev	.46	.15	.146	23.0
%RSD	1.311	.7478	4.232	2.446
#1	34.52	20.59	3.276	922.9
#2	35.41	20.86	3.495	933.3
#3	35.18	20.60	3.552	967.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3884.3**	**45324.**	**4669.9**
Stddev	23.2	228.	85.4
%RSD	.59602	.50316	1.8295
#1	3906.7	45551.	4616.2
#2	3885.8	45328.	4625.1
#3	3860.5	45095.	4768.4

Sample Name: ZZZ Acquired: 8/21/2016 20:28:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**58.26**	**11.56**	**.5892**	**3.189**	**-.0261**	**1156.**
Stddev	2.95	1.96	.6118	.102	.1265	15.
%RSD	5.063	16.95	103.8	3.183	483.9	1.304
#1	59.31	12.34	.0691	3.238	.1173	1140.
#2	54.93	9.333	1.263	3.258	-.0738	1170.
#3	60.54	13.02	.4352	3.073	-.1219	1160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0528**	**.1703**	**.3405**	**17.75**	**1734.**	**283.4**
Stddev	.0680	.2062	.5372	.38	21.	5.4
%RSD	128.8	121.1	157.8	2.148	1.211	1.919
#1	.1296	.3185	.0879	17.38	1709.	287.1
#2	.0003	.2575	.9574	18.14	1745.	285.9
#3	.0284	-.0652	-.0240	17.73	1747.	277.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**96.08**	**13.56**	**609.5**	**.9330**	**3.538**	**1.299**
Stddev	1.68	.12	6.3	.0985	.774	.649
%RSD	1.743	.8589	1.026	10.56	21.87	49.94
#1	94.73	13.43	607.8	1.044	3.783	.6418
#2	95.56	13.59	616.4	.8996	2.672	1.939
#3	97.96	13.66	604.2	.8556	4.160	1.317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:28:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.831**	**-8.917**	**.4812**	**47.08**	**1.385**	**.2093**
Stddev	4.815	1.517	.4203	.39	.325	.2485
%RSD	48.98	17.01	87.35	.8217	23.46	118.7
#1	13.73	-10.65	.0225	46.66	1.016	.2012
#2	11.31	-8.273	.5731	47.14	1.627	.4618
#3	4.449	-7.829	.8479	47.43	1.514	-.0350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.753**	**3.894**	**.6048**	**162.2**
Stddev	.452	.120	.0842	15.5
%RSD	7.849	3.075	13.92	9.546
#1	5.257	3.863	.6005	146.9
#2	6.140	4.026	.6910	161.9
#3	5.862	3.792	.5228	177.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.3**	**44393.**	**4366.5**
Stddev	10.0	49.	105.8
%RSD	.24724	.10976	2.4240
#1	4052.9	44441.	4265.3
#2	4061.2	44395.	4357.9
#3	4072.9	44344.	4476.4

Sample Name: ZZZ Acquired: 8/21/2016 20:32:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.70**	**4.292**	**-.0541**	**34.27**	**.0945**	**82750.**
Stddev	6.38	1.530	.4704	.39	.0719	137.
%RSD	25.82	35.65	869.3	1.129	76.07	.1657
#1	28.90	5.953	.4884	33.83	.0301	82680.
#2	27.83	2.940	-.3476	34.46	.0815	82910.
#3	17.36	3.983	-.3032	34.53	.1721	82660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4360**	**.0774**	**-.6506**	**-.4751**	**17.02**	**1601.**
Stddev	.1386	.0567	.2970	.4369	9.71	43.
%RSD	31.79	73.29	45.65	91.95	57.04	2.675
#1	.4470	.0257	-.9875	-.7888	12.98	1574.
#2	.5688	.1381	-.4267	.0239	28.09	1650.
#3	.2923	.0684	-.5377	-.6605	9.983	1579.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17980.**	**20.96**	**46900.**	**1.236**	**3.220**	**-.0954**
Stddev	281.	.45	751.	.765	2.355	.8848
%RSD	1.564	2.127	1.601	61.91	73.14	927.7
#1	17680.	20.48	47710.	.7433	1.715	-.1288
#2	18050.	21.03	46760.	2.117	5.933	.8057
#3	18230.	21.36	46230.	.8467	2.011	-.9630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:32:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.696**	**2.956**	**.9142**	**4.844**	**791.0**	**.2205**
Stddev	1.779	1.400	.2271	.309	12.5	.1966
%RSD	104.9	47.37	24.85	6.386	1.582	89.16
#1	.3585	1.558	.8530	4.539	777.9	.3664
#2	-2.693	2.951	.7239	5.158	792.1	-.0031
#3	-2.754	4.359	1.166	4.834	802.9	.2983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.7497**	**223.5**	**1.816**	**10540.**
Stddev	.5807	3.8	.214	238.
%RSD	77.45	1.688	11.79	2.262
#1	-.1320	227.6	1.674	10280.
#2	-1.284	222.7	1.711	10600.
#3	-.8325	220.2	2.062	10740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4021.5**	**42243.**	**4110.2**
Stddev	20.3	346.	80.6
%RSD	.50448	.81842	1.9619
#1	4042.2	42641.	4017.8
#2	4020.7	42070.	4146.7
#3	4001.6	42018.	4166.2

Sample Name: ZZZ Acquired: 8/21/2016 20:36:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1994.**	**2038.**	**49.93**	**2105.**	**51.75**	**101800.**
Stddev	20.	9.	1.14	3.	.24	627.
%RSD	.9864	.4653	2.284	.1569	.4547	.6166
#1	1981.	2031.	48.62	2104.	51.66	102400.
#2	1983.	2035.	50.67	2102.	52.02	101200.
#3	2016.	2049.	50.51	2108.	51.58	101600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.25**	**514.3**	**211.8**	**240.3**	**1083.**	**21570.**
Stddev	.26	.4	.8	2.5	12.	90.
%RSD	.5001	.0717	.3752	1.060	1.108	.4154
#1	52.23	514.7	212.6	237.5	1069.	21490.
#2	52.52	514.1	211.7	241.0	1089.	21570.
#3	52.00	514.1	211.0	242.4	1090.	21660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37620.**	**545.9**	**65540.**	**527.6**	**530.8**	**474.1**
Stddev	232.	2.0	983.	1.8	.4	4.3
%RSD	.6176	.3599	1.499	.3447	.0704	.9148
#1	37860.	547.9	64970.	527.9	531.0	470.2
#2	37400.	544.0	64990.	525.6	530.9	473.5
#3	37590.	546.0	66680.	529.2	530.3	478.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:36:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2010.**	**2169.**	**518.3**	**578.4**	**1296.**	**488.2**
Stddev	19.	20.	4.8	3.7	16.	6.2
%RSD	.9236	.9307	.9347	.6376	1.266	1.272
#1	1989.	2146.	512.9	574.2	1278.	481.1
#2	2016.	2179.	520.0	579.9	1303.	490.8
#3	2025.	2183.	522.1	581.1	1309.	492.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**535.5**	**721.6**	**515.1**	**10400.**
Stddev	4.3	12.2	.7	120.
%RSD	.7998	1.691	.1439	1.154
#1	530.7	712.2	515.0	10460.
#2	536.9	717.2	514.4	10480.
#3	538.9	735.4	515.9	10260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3970.5**	**41653.**	**4052.1**
Stddev	15.0	38.	54.3
%RSD	.37829	.09083	1.3397
#1	3982.6	41610.	4071.5
#2	3975.3	41669.	4094.0
#3	3953.7	41681.	3990.8

Sample Name: ZZZ Acquired: 8/21/2016 20:40:25 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**168.3**	**7.485**	**-.1839**	**157.0**	**.0731**	**68810.**
Stddev	3.4	2.367	.6449	.4	.0985	423.
%RSD	2.036	31.62	350.7	.2767	134.9	.6153
#1	170.8	5.507	-.8878	157.3	.0834	69270.
#2	169.8	6.840	-.0423	156.5	.1660	68430.
#3	164.4	10.11	.3785	157.2	-.0302	68730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5415**	**.6310**	**4.082**	**35.54**	**1468.**	**15030.**
Stddev	.0569	.2428	.065	.76	25.	208.
%RSD	10.51	38.48	1.602	2.152	1.717	1.386
#1	.4817	.5925	4.064	34.71	1458.	14910.
#2	.5950	.8908	4.155	35.69	1449.	15270.
#3	.5477	.4098	4.028	36.21	1496.	14900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14290.**	**133.0**	**80770.**	**4.376**	**4.133**	**.6919**
Stddev	237.	2.4	1637.	.249	1.329	1.050
%RSD	1.657	1.778	2.026	5.695	32.16	151.7
#1	14160.	131.5	81100.	4.189	5.439	1.744
#2	14150.	131.8	82210.	4.659	2.782	-.3547
#3	14570.	135.7	78990.	4.280	4.179	.6858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ZZZ Acquired: 8/21/2016 20:40:25 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6436**	**1.683**	**7.682**	**214.7**	**99.33**	**2.797**
Stddev	3.296	2.298	.265	1.4	.80	.358
%RSD	512.0	136.6	3.443	.6304	.8078	12.79
#1	3.150	.8686	7.713	215.7	99.31	3.199
#2	-2.799	4.277	7.930	213.1	98.54	2.675
#3	-2.282	-.0977	7.403	215.2	100.1	2.516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.6310**	**1004.**	**3.809**	**5941.**
Stddev	.2573	20.	.267	234.
%RSD	40.78	1.953	7.004	3.941
#1	-.8662	1003.	3.612	5678.
#2	-.6706	1023.	3.702	6018.
#3	-.3561	984.0	4.112	6126.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3983.9**	**43679.**	**4509.8**
Stddev	22.3	42.	210.6
%RSD	.55966	.09579	4.6707
#1	4008.3	43647.	4293.9
#2	3978.9	43726.	4520.7
#3	3964.6	43664.	4714.7

Sample Name: ZZZ Acquired: 8/21/2016 20:44:22 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^F *****	**2407.**	**1167.**	**9792.**	kF **746.9**	**116600.**
Stddev	-----	41.	54.	78.	433.2	6551.
%RSD	-----	1.697	4.654	.7931	58.01	5.620
#1	^ -----	2443.	1104.	9819.	k 246.6	109300.
#2	120900.	2415.	1198.	9853.	997.1	118400.
#3	121800.	2363.	1198.	9705.	996.9	122000.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	125000.				1000.	
Range	-10.50%				-10.50%	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1213.**	**2432.**	**4766.**	k **11530.**	k **94140.**	kF **36250.**
Stddev	8.	22.	252.	515.	4947.	21460.
%RSD	.6318	.8928	5.282	4.462	5.255	59.19
#1	1210.	2443.	4480.	k 10960.	k 88540.	k 11470.
#2	1222.	2447.	4866.	11950.	95960.	48490.
#3	1208.	2407.	4953.	11690.	97920.	48780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						50000.
Range						-10.50%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k **117500.**	k **4815.**	^F *****	**2484.**	k **7331.**	k **928.5**
Stddev	6089.	245.	-----	21.	52.	14.1
%RSD	5.181	5.098	-----	.8596	.7143	1.522
#1	k 110600.	k 4535.	^ -----	2493.	k 7362.	k 920.0
#2	120100.	4913.	121600.	2499.	7361.	944.8
#3	122000.	4995.	121300.	2460.	7271.	920.7
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			125000.			
Range			-10.50%			

Sample Name: ZZZ Acquired: 8/21/2016 20:44:22 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k **2342.**	k **2453.**	k **2314.**	k **2493.**	k **975.4**	k **2314.**
Stddev	44.	29.	127.	50.	61.2	25.
%RSD	1.865	1.197	5.491	1.987	6.270	1.059
#1	k 2388.	k 2474.	k 2168.	k 2436.	k 1046.	k 2335.
#2	2337.	2466.	2378.	2527.	947.5	2321.
#3	2302.	2420.	2397.	2516.	933.2	2287.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	k **957.9**	^F *****	**9625.**	k **7291.**
Stddev	8.8	-----	453.	2728.
%RSD	.9229	-----	4.711	37.41
#1	k 958.5	^ -----	9102.	k 4156.
#2	966.4	5072.	9898.	9114.
#3	948.7	5030.	9876.	8604.
Check ?	Chk Pass	Chk Fail	Chk Pass	None
Value		5000.		
Range		-10.50%		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3783.2**	**41349.**	**5301.9**
Stddev	47.7	881.	2158.9
%RSD	1.2614	2.1312	40.720
#1	3731.8	42273.	7789.2
#2	3791.9	41254.	4203.4
#3	3826.1	40518.	3913.1

Sample Name: CCV Acquired: 8/21/2016 20:48:48 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122500.**	**2423.**	**1212.**	**9891.**	**1003.**	**124000.**
Stddev	590.	9.	3.	13.	4.	427.
%RSD	.4818	.3572	.2217	.1364	.4104	.3442
#1	121800.	2418.	1216.	9879.	999.3	123500.
#2	123000.	2433.	1211.	9889.	1007.	124400.
#3	122700.	2418.	1211.	9905.	1002.	123900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1228.**	**2455.**	**5021.**	**11880.**	**99340.**	**49150.**
Stddev	2.	3.	6.	4.	211.	275.
%RSD	.1274	.1092	.1098	.0341	.2122	.5603
#1	1227.	2453.	5015.	11880.	99170.	48860.
#2	1228.	2455.	5026.	11890.	99570.	49190.
#3	1230.	2458.	5022.	11880.	99270.	49400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123800.**	**5067.**	**122400.**	**2503.**	**7396.**	**948.1**
Stddev	319.	10.	118.	5.	11.	3.5
%RSD	.2573	.1920	.0960	.2017	.1502	.3704
#1	123400.	5060.	122300.	2498.	7397.	951.9
#2	124100.	5078.	122500.	2502.	7385.	947.4
#3	123800.	5062.	122400.	2508.	7407.	944.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 20:48:48 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2342.**	**2478.**	**2444.**	**2553.**	**953.1**	**2338.**
Stddev	10.	13.	5.	3.	2.1	2.
%RSD	.4335	.5166	.1952	.1126	.2223	.0826
#1	2331.	2482.	2447.	2550.	952.4	2336.
#2	2349.	2464.	2446.	2554.	951.4	2339.
#3	2347.	2488.	2438.	2555.	955.5	2339.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**971.2**	**5028.**	**9994.**	**8826.**
Stddev	2.8	10.	3.	60.
%RSD	.2894	.2046	.0297	.6845
#1	968.7	5017.	9992.	8835.
#2	974.3	5033.	9993.	8882.
#3	970.7	5036.	9998.	8762.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3827.1**	**40691.**	**3969.1**
Stddev	8.4	208.	15.3
%RSD	.22044	.51224	.38432
#1	3818.0	40494.	3984.7
#2	3828.4	40669.	3968.2
#3	3834.7	40909.	3954.3

Sample Name: CCB Acquired: 8/21/2016 20:52:23 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.39**	**1.164**	**.9616**	**.4793**	**.0997**	**16.65**
Stddev	35.02	.839	.4517	1.376	.2342	31.77
%RSD	180.6	72.04	46.97	287.0	234.9	190.8
#1	6.837	1.591	1.040	2.067	.2630	21.23
#2	58.95	.1980	1.369	-.2649	.2047	45.87
#3	-7.623	1.704	.4756	-.3639	-.1686	-17.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0792**	**.1510**	**.9514**	**1.549**	**29.89**	**42.02**
Stddev	.1105	.4336	.7227	1.993	19.19	24.78
%RSD	139.6	287.1	75.97	128.6	64.20	58.97
#1	.1957	.5235	1.595	1.511	14.71	16.91
#2	-.0242	-.3250	1.090	3.561	51.46	42.71
#3	.0660	.2546	.1693	-.4243	23.51	66.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.98**	**1.258**	**121.9**	**-.1251**	**.9600**	**.7630**
Stddev	22.89	1.089	51.2	.4480	1.401	2.100
%RSD	95.46	86.61	41.97	358.1	145.9	275.2
#1	25.69	1.307	158.4	-.1697	-.2364	3.188
#2	45.97	2.321	143.9	.3436	.6153	-.4723
#3	.2824	.1447	63.41	-.5492	2.501	-.4264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 20:52:23 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0609**	**-.3911**	**1.226**	**.1590**	**3.158**	**1.209**
Stddev	2.491	1.685	.537	.5006	.747	1.160
%RSD	4093.	430.9	43.82	314.9	23.64	96.00
#1	1.320	-.7891	1.493	.6806	3.994	2.546
#2	1.434	-1.842	1.578	.1137	2.922	.4669
#3	-2.937	1.458	.6077	-.3175	2.558	.6131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3194**	**1.209**	**2.720**	**-9.331**
Stddev	.6088	1.114	1.878	4.709
%RSD	190.6	92.13	69.05	50.46
#1	.9403	1.408	2.865	-13.45
#2	.2946	2.211	4.520	-4.200
#3	-.2765	.0093	.7732	-10.34
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4096.6**	**43160.**	**4194.8**
Stddev	23.1	819.	173.4
%RSD	.56345	1.8984	4.1335
#1	4070.1	42228.	3995.5
#2	4107.0	43486.	4278.1
#3	4112.6	43767.	4310.9

Sample Name: CCVL Acquired: 8/21/2016 20:56:25 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**187.4**	**14.10**	**9.226**	**194.6**	**1.854**	**4715.**
Stddev	7.0	1.17	.154	.7	.156	4.
%RSD	3.754	8.319	1.672	.3507	8.390	.0785
#1	191.3	15.36	9.378	195.2	2.031	4712.
#2	179.3	13.04	9.232	194.8	1.791	4713.
#3	191.5	13.90	9.069	193.9	1.740	4719.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.025**	**49.79**	**8.904**	**21.06**	**142.5**	**4415.**
Stddev	.080	.22	.364	.24	18.7	10.
%RSD	1.996	.4515	4.090	1.122	13.11	.2300
#1	4.115	50.02	9.121	20.97	124.6	4416.
#2	3.998	49.58	8.483	20.88	141.1	4425.
#3	3.962	49.76	9.106	21.33	161.9	4405.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4654.**	**15.19**	**4418.**	**41.06**	**11.00**	**16.60**
Stddev	69.	.28	58.	.83	1.84	1.44
%RSD	1.482	1.858	1.323	2.030	16.75	8.664
#1	4611.	15.14	4440.	40.80	9.429	15.50
#2	4617.	14.94	4463.	40.39	10.54	18.23
#3	4733.	15.50	4352.	42.00	13.03	16.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 20:56:25 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **13.24**	**19.11**	**48.43**	**32.12**	**46.15**	**18.29**
Stddev	2.16	3.07	.52	.15	.45	.33
%RSD	16.29	16.06	1.070	.4553	.9771	1.797
#1	15.63	18.15	47.90	32.06	45.63	18.60
#2	11.45	22.55	48.44	32.02	46.37	17.94
#3	12.64	16.65	48.94	32.29	46.44	18.34
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	20.00					
Range	-30.50%					

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.75**	**19.09**	**19.77**	F **9.126**
Stddev	.48	.15	.37	8.509
%RSD	.9992	.7932	1.871	93.24
#1	47.54	19.20	19.49	6.476
#2	47.41	19.15	19.62	2.257
#3	48.29	18.92	20.19	18.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.9**	**43141.**	**4225.4**
Stddev	4.6	83.	60.8
%RSD	.11155	.19310	1.4397
#1	4076.8	43109.	4157.8
#2	4075.9	43236.	4242.5
#3	4084.1	43079.	4275.8

Sample Name: 460-118577-d-1-a Acquired: 8/21/2016 21:00:25 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1014.**	**5.307**	**.2730**	**108.5**	**.1195**	**43890.**
Stddev	17.	.722	.4074	1.0	.0515	321.
%RSD	1.635	13.61	149.2	.9352	43.14	.7313
#1	1031.	4.999	.0433	107.3	.1614	44260.
#2	1013.	6.132	.7433	109.3	.0619	43760.
#3	997.9	4.789	.0324	108.8	.1351	43650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5464**	**3.093**	**.4938**	**2.419**	**1157.**	**6989.**
Stddev	.1385	.048	.1777	.272	4.	31.
%RSD	25.34	1.554	36.00	11.23	.3482	.4489
#1	.4411	3.062	.3252	2.105	1158.	6956.
#2	.4949	3.148	.4767	2.573	1153.	7018.
#3	.7033	3.069	.6795	2.579	1161.	6994.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11470.**	**275.2**	**116400.**	**1.898**	**2.319**	**-1.107**
Stddev	39.	1.7	2262.	.158	.714	.225
%RSD	.3410	.6076	1.943	8.343	30.79	20.30
#1	11430.	277.0	118900.	1.972	1.853	-1.037
#2	11480.	274.8	115700.	1.716	3.141	-1.359
#3	11510.	273.7	114600.	2.005	1.963	-.9255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118577-d-1-a Acquired: 8/21/2016 21:00:25 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.097**	**-.0848**	**4.623**	**8.196**	**68.73**	**.0283**
Stddev	3.053	1.101	.552	.055	1.63	.1262
%RSD	278.3	1299.	11.94	.6702	2.365	445.5
#1	-2.168	1.018	4.627	8.219	67.33	.0514
#2	2.347	-.0886	4.070	8.133	68.34	.1414
#3	-3.470	-1.183	5.173	8.235	70.51	-.1078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.9232**	**294.3**	**4.947**	**2533.**
Stddev	.5242	5.5	.061	34.
%RSD	56.78	1.854	1.234	1.339
#1	-1.244	300.3	5.015	2497.
#2	-.3183	292.9	4.933	2538.
#3	-1.208	289.7	4.895	2564.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4030.5**	**41956.**	**4142.9**
Stddev	32.8	121.	49.8
%RSD	.81377	.28892	1.2014
#1	4068.3	42096.	4085.5
#2	4012.3	41879.	4168.2
#3	4010.8	41893.	4174.9

Sample Name: 460-118577-d-2-a Acquired: 8/21/2016 21:04:23 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**219.3**	**7.555**	**.2978**	**85.58**	**-.0574**	**75910.**
Stddev	5.2	1.561	.2701	.47	.1291	243.
%RSD	2.389	20.67	90.69	.5458	225.1	.3196
#1	213.3	7.787	.0356	85.74	-.2033	75910.
#2	222.7	5.891	.2826	85.05	-.0106	76150.
#3	222.1	8.987	.5751	85.95	.0419	75670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3747**	**6.201**	**-.5646**	**4.840**	**3947.**	**1967.**
Stddev	.2006	.098	.0375	.449	59.	25.
%RSD	53.55	1.587	6.641	9.268	1.497	1.254
#1	.2387	6.258	-.5493	4.492	3879.	1978.
#2	.2802	6.087	-.5373	5.347	3982.	1939.
#3	.6051	6.257	-.6074	4.683	3980.	1984.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23070.**	**536.7**	**19940.**	**9.589**	**.2182**	**-.4148**
Stddev	43.	.1	269.	.408	2.317	1.996
%RSD	.1862	.0168	1.351	4.256	1062.	481.3
#1	23020.	536.6	20230.	9.363	-2.349	.7837
#2	23080.	536.6	19710.	9.343	.8484	.6913
#3	23100.	536.8	19870.	10.06	2.155	-2.719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118577-d-2-a Acquired: 8/21/2016 21:04:23 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2973**	**2.206**	**.7919**	**31.98**	**48.51**	**.6658**
Stddev	5.787	2.723	.7929	.24	.09	.3122
%RSD	1947.	123.4	100.1	.7569	.1769	46.88
#1	5.241	-.9240	.9717	32.25	48.56	1.019
#2	-6.069	4.024	1.480	31.92	48.41	.5535
#3	1.720	3.519	-.0754	31.77	48.56	.4254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.660**	**172.9**	**3.432**	**3105.**
Stddev	.297	.6	.118	57.
%RSD	17.91	.3510	3.442	1.824
#1	-1.630	172.8	3.567	3050.
#2	-1.378	172.3	3.347	3163.
#3	-1.971	173.5	3.383	3103.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4011.9**	**42168.**	**4132.2**
Stddev	12.8	207.	59.4
%RSD	.31844	.49038	1.4381
#1	4026.3	42406.	4073.5
#2	4007.0	42068.	4192.3
#3	4002.2	42030.	4130.7

Sample Name: 460-118577-d-3-a Acquired: 8/21/2016 21:08:20 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**165.0**	**7.477**	**.6891**	**178.0**	**-.0744**	**22110.**
Stddev	21.0	1.214	.5126	.2	.0885	166.
%RSD	12.73	16.24	74.39	.0921	118.9	.7492
#1	173.2	7.545	.6307	177.8	-.0057	21960.
#2	180.6	8.656	.2081	178.1	-.0434	22100.
#3	141.1	6.230	1.228	178.0	-.1743	22290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8953**	**.0516**	**1.751**	**-1.387**	**50510.**	**2504.**
Stddev	.1301	.1840	.444	.315	412.	10.
%RSD	14.53	356.6	25.36	22.74	.8154	.3921
#1	-.7507	-.1268	1.275	-1.512	50110.	2493.
#2	-1.003	.2407	1.824	-1.622	50500.	2512.
#3	-.9320	.0409	2.154	-1.029	50930.	2506.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6896.**	**271.4**	**14780.**	**-.3248**	F **-19.66**	**-1.343**
Stddev	50.	1.8	57.	.3268	1.75	.952
%RSD	.7256	.6788	.3876	100.6	8.918	70.89
#1	6848.	269.4	14850.	.0370	-17.63	-1.941
#2	6893.	271.9	14750.	-.4129	-20.74	-.2452
#3	6948.	272.9	14750.	-.5984	-20.60	-1.842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118577-d-3-a Acquired: 8/21/2016 21:08:20 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.187**	**3.614**	**2.358**	**3.556**	**66.03**	**.2172**
Stddev	1.241	.401	.387	.218	.11	.4064
%RSD	38.94	11.11	16.42	6.126	.1661	187.1
#1	-4.345	3.231	1.983	3.423	66.06	.4971
#2	-1.877	3.579	2.756	3.438	65.91	-.2489
#3	-3.339	4.032	2.336	3.807	66.12	.4034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.493**	**162.0**	**1.868**	**1328.**
Stddev	.336	1.3	.092	24.
%RSD	22.47	.8066	4.934	1.833
#1	-1.695	160.6	1.971	1307.
#2	-1.679	163.0	1.793	1322.
#3	-1.106	162.5	1.841	1355.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4074.8**	**43072.**	**4310.6**
Stddev	12.5	449.	19.0
%RSD	.30627	1.0432	.43999
#1	4089.2	43471.	4310.7
#2	4067.5	43161.	4329.6
#3	4067.6	42585.	4291.7

Sample Name: 460-118577-d-4-a Acquired: 8/21/2016 21:12:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**450.4**	**1.608**	**.0180**	**89.70**	**.0863**	**14020.**
Stddev	21.3	.410	.5372	.71	.0348	127.
%RSD	4.733	25.50	2984.	.7863	40.26	.9023
#1	450.2	2.017	.4796	88.88	.0779	14030.
#2	429.2	1.610	.1460	90.13	.0566	13890.
#3	471.8	1.197	-.5716	90.08	.1245	14150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1590**	**6.078**	**2.577**	**.6430**	**453.7**	**4639.**
Stddev	.1852	.373	.523	.5060	11.8	36.
%RSD	116.5	6.136	20.29	78.69	2.599	.7761
#1	.2998	5.698	2.963	.1900	453.9	4607.
#2	-.0508	6.094	2.787	.5500	441.8	4631.
#3	.2280	6.443	1.982	1.189	465.4	4678.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3436.**	**196.6**	**6820.**	**3.649**	**1.230**	**-.6016**
Stddev	73.	3.6	91.	.629	1.954	1.220
%RSD	2.119	1.855	1.340	17.23	158.9	202.8
#1	3373.	193.4	6826.	4.357	.2738	-.2449
#2	3420.	195.9	6726.	3.432	-.0625	.4003
#3	3516.	200.6	6908.	3.157	3.478	-1.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118577-d-4-a Acquired: 8/21/2016 21:12:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.412**	**1.651**	**1.206**	**10.68**	**35.74**	**.0183**
Stddev	2.131	1.609	.754	.23	.53	.1205
%RSD	88.35	97.49	62.52	2.200	1.488	659.4
#1	-.8341	3.064	1.954	10.58	35.16	-.0970
#2	-4.836	1.988	.4467	10.51	36.20	.1434
#3	-1.566	-.1003	1.217	10.95	35.86	.0084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.181**	**106.2**	**1.895**	**2953.**
Stddev	.825	1.2	.117	35.
%RSD	69.85	1.176	6.192	1.190
#1	-2.100	106.2	1.899	2933.
#2	-.5074	105.0	2.010	2933.
#3	-.9340	107.5	1.776	2994.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4132.9**	**43509.**	**4221.7**
Stddev	31.4	370.	43.3
%RSD	.75983	.85097	1.0245
#1	4161.7	43612.	4223.6
#2	4137.5	43818.	4264.0
#3	4099.4	43099.	4177.5

Sample Name: 460-118577-e-5-a Acquired: 8/21/2016 21:16:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37.62**	**1.850**	**.8019**	**-.1710**	**-.0159**	**76.92**
Stddev	21.69	1.047	.2074	.1769	.1215	8.32
%RSD	57.67	56.62	25.86	103.5	763.7	10.82
#1	62.52	.6757	.6827	-.0624	.0465	73.00
#2	27.49	2.688	1.041	-.0755	-.1560	86.47
#3	22.84	2.186	.6816	-.3752	.0618	71.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1157**	**-.0955**	**-.2203**	**-.3684**	**.5828**	**-.5983**
Stddev	.0316	.1065	.1892	.9804	5.385	15.44
%RSD	27.31	111.5	85.87	266.1	924.0	2582.
#1	-.0958	.0273	-.2442	-1.500	3.355	-.2189
#2	-.1521	-.1508	-.0203	.1616	-5.623	14.65
#3	-.0991	-.1629	-.3963	.2329	4.017	-16.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.800**	**-.0380**	**22.89**	**.3896**	**.2523**	**-2.086**
Stddev	4.966	.0372	6.79	.4953	.4442	2.588
%RSD	130.7	97.84	29.66	127.1	176.1	124.0
#1	-2.535	-.0539	30.47	.8824	-.2493	-5.004
#2	-9.277	.0045	20.81	-.1080	.4102	-1.185
#3	.4110	-.0647	17.38	.3945	.5961	-.0696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118577-e-5-a Acquired: 8/21/2016 21:16:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6922**	**.8633**	**1.064**	**1.205**	**5.670**	**.0178**
Stddev	.5114	1.565	.300	.044	.137	.1040
%RSD	73.87	181.2	28.17	3.665	2.417	583.9
#1	1.268	2.330	1.404	1.200	5.782	.1366
#2	.5172	1.044	.8381	1.252	5.710	-.0569
#3	.2913	-.7839	.9496	1.164	5.517	-.0262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5041**	**.3595**	**.1184**	**-3.717**
Stddev	.3921	.0447	.0981	16.23
%RSD	77.78	12.43	82.90	436.7
#1	-.0810	.3200	.0056	-14.75
#2	-.8551	.4080	.1847	-11.32
#3	-.5761	.3504	.1648	14.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4139.1**	**43540.**	**4208.1**
Stddev	8.7	120.	100.2
%RSD	.21097	.27508	2.3815
#1	4146.2	43478.	4112.1
#2	4141.8	43678.	4200.3
#3	4129.3	43464.	4312.0

Sample Name: 460-118646-c-2-a Acquired: 8/21/2016 21:20:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**83.04**	**6.810**	**.2915**	**573.4**	**-.0333**	**174600.**
Stddev	27.35	1.834	.2965	1.1	.2744	640.
%RSD	32.94	26.94	101.7	.1904	825.1	.3668
#1	70.37	8.310	.5499	572.3	.1444	175300.
#2	114.4	4.765	.3567	573.5	-.3492	174400.
#3	64.32	7.353	-.0322	574.5	.1050	174000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5300**	**1.267**	**-1.709**	**3.438**	**3345.**	**19110.**
Stddev	.0462	.066	.108	.364	30.	112.
%RSD	8.718	5.230	6.347	10.60	.9016	.5866
#1	.5557	1.242	-1.628	3.759	3379.	19030.
#2	.5576	1.217	-1.832	3.514	3332.	19240.
#3	.4767	1.342	-1.666	3.042	3323.	19070.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**59100.**	**2942.**	F **513300.**	**3.875**	**2.352**	**-.2673**
Stddev	166.	10.	13110.	.088	1.233	1.493
%RSD	.2813	.3270	2.554	2.285	52.42	558.6
#1	59290.	2952.	527000.	3.936	1.370	-.0632
#2	59040.	2938.	511900.	3.774	1.951	-1.852
#3	58970.	2934.	500900.	3.916	3.735	1.114
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118646-c-2-a Acquired: 8/21/2016 21:20:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.954**	**.0277**	**-5.427**	**14.32**	**548.3**	**2.112**
Stddev	2.574	2.834	.961	.31	3.3	.591
%RSD	65.10	10240.	17.71	2.147	.6047	27.98
#1	-1.634	-3.203	-6.445	14.68	549.4	2.639
#2	-3.505	2.098	-5.299	14.16	544.6	2.222
#3	-6.723	1.187	-4.536	14.13	551.0	1.473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.611**	**2228.**	**2.615**	**11870.**
Stddev	.570	33.	.270	207.
%RSD	35.38	1.479	10.32	1.740
#1	-1.602	2264.	2.485	11640.
#2	-2.186	2221.	2.926	12000.
#3	-1.046	2199.	2.435	11990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3763.9**	**39986.**	**4131.3**
Stddev	8.1	26.	55.3
%RSD	.21546	.06566	1.3392
#1	3773.0	39990.	4071.4
#2	3757.6	39958.	4142.2
#3	3761.1	40010.	4180.4

Sample Name: 460-118657-a-1-a Acquired: 8/21/2016 21:24:16 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**397.5**	**2.734**	**.6218**	**39.50**	**-.1181**	**80790.**
Stddev	3.5	1.800	.2948	.24	.0817	871.
%RSD	.8785	65.84	47.41	.6190	69.15	1.078
#1	399.3	4.311	.9032	39.78	-.1261	80900.
#2	393.5	.7727	.6469	39.42	-.1956	81610.
#3	399.7	3.119	.3152	39.31	-.0328	79880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4330**	**.1755**	**-.0869**	**21.28**	**215.7**	**20070.**
Stddev	.2217	.1693	.4380	.52	8.1	73.
%RSD	51.20	96.44	504.2	2.458	3.770	.3635
#1	.1996	.3618	-.5898	21.11	217.6	20020.
#2	.4587	.0309	.2107	21.86	222.7	20040.
#3	.6407	.1339	.1186	20.86	206.8	20150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22430.**	**8.831**	**128600.**	**2.857**	**2.138**	**-1.208**
Stddev	160.	.474	1256.	.656	2.216	2.037
%RSD	.7110	5.371	.9770	22.97	103.7	168.6
#1	22480.	9.369	129800.	3.423	-.0923	-3.152
#2	22570.	8.654	128600.	2.138	2.166	.9104
#3	22260.	8.471	127300.	3.010	4.339	-1.382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118657-a-1-a Acquired: 8/21/2016 21:24:16 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.498**	**2.659**	**3.520**	**18.92**	**164.7**	**14.02**
Stddev	2.165	2.061	.511	.06	1.9	.20
%RSD	144.5	77.52	14.52	.3365	1.125	1.461
#1	-1.280	1.329	3.231	18.99	163.1	13.84
#2	.5492	1.615	4.110	18.91	164.3	14.24
#3	-3.763	5.033	3.219	18.86	166.8	13.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.9834**	**371.7**	**2.214**	**8006.**
Stddev	.5833	3.2	.120	178.
%RSD	59.31	.8520	5.438	2.218
#1	-1.334	375.1	2.120	7971.
#2	-.3101	371.2	2.349	7848.
#3	-1.306	368.8	2.172	8198.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3956.4**	**41621.**	**4139.7**
Stddev	5.5	358.	83.7
%RSD	.13827	.86068	2.0209
#1	3955.9	41808.	4138.5
#2	3962.1	41208.	4056.6
#3	3951.2	41848.	4223.9

Sample Name: 460-118736-a-6-a Acquired: 8/21/2016 21:28:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27.70**	**3.078**	**.5855**	**60.35**	**-.0106**	**40260.**
Stddev	10.02	1.279	.3171	.08	.1216	167.
%RSD	36.16	41.56	54.15	.1342	1144.	.4144
#1	36.84	2.561	.2194	60.42	-.0328	40310.
#2	16.99	2.138	.7659	60.27	.1206	40070.
#3	29.27	4.534	.7713	60.37	-.1196	40390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**168.6**	**.1773**	**31.44**	**33.61**	**1120.**	**6092.**
Stddev	.2	.1658	.46	1.03	17.	47.
%RSD	.1237	93.53	1.466	3.055	1.516	.7771
#1	168.9	.2750	31.24	32.50	1103.	6113.
#2	168.6	-.0142	31.11	33.81	1137.	6038.
#3	168.5	.2711	31.97	34.53	1119.	6126.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9607.**	**588.0**	**34550.**	**72.55**	**2.169**	**-1.493**
Stddev	148.	1.4	465.	.40	1.321	.530
%RSD	1.545	.2319	1.345	.5553	60.91	35.50
#1	9437.	587.3	35020.	72.13	1.297	-2.045
#2	9677.	587.2	34090.	72.59	1.521	-.9881
#3	9708.	589.6	34530.	72.93	3.689	-1.446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118736-a-6-a Acquired: 8/21/2016 21:28:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.814**	**.9555**	**-.7419**	**278.2**	**73.32**	**.0398**
Stddev	.899	2.570	.6476	1.3	.68	.5013
%RSD	31.94	268.9	87.29	.4626	.9272	1259.
#1	-2.008	3.450	-.1619	277.2	73.31	.1618
#2	-2.652	1.099	-.6230	277.6	74.00	-.5112
#3	-3.783	-1.683	-1.441	279.6	72.64	.4689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.188**	**228.5**	**1.591**	**3487.**
Stddev	.430	2.6	.194	55.
%RSD	36.21	1.119	12.19	1.582
#1	-.9188	231.4	1.371	3426.
#2	-.9612	226.5	1.667	3532.
#3	-1.684	227.6	1.736	3504.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4026.1**	**42688.**	**4162.1**
Stddev	7.4	186.	77.9
%RSD	.18296	.43495	1.8722
#1	4018.5	42824.	4086.9
#2	4033.2	42764.	4242.5
#3	4026.6	42476.	4156.9

Sample Name: 460-118736-a-7-a Acquired: 8/21/2016 21:32:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35.68**	**1.799**	**.2167**	**42.17**	**-.0444**	**25030.**
Stddev	5.59	.610	.2802	.35	.1808	163.
%RSD	15.67	33.91	129.3	.8348	407.1	.6496
#1	37.48	1.936	.2340	41.77	.1076	25220.
#2	29.41	2.329	-.0718	42.44	-.2444	24980.
#3	40.15	1.132	.4879	42.30	.0035	24910.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.71**	**.2528**	**159.4**	**4.841**	**3422.**	**2801.**
Stddev	.04	.0996	.6	.264	55.	41.
%RSD	.2304	39.41	.3996	5.456	1.615	1.471
#1	15.69	.2563	159.3	4.540	3405.	2754.
#2	15.69	.1515	158.8	5.034	3377.	2826.
#3	15.75	.3507	160.1	4.949	3484.	2823.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4427.**	**240.1**	**47860.**	**3.871**	**1.412**	**-2.044**
Stddev	56.	3.3	991.	.384	2.036	.279
%RSD	1.259	1.354	2.071	9.920	144.1	13.64
#1	4383.	237.4	49000.	4.024	-.9344	-2.260
#2	4409.	239.2	47190.	3.434	2.704	-2.143
#3	4490.	243.7	47390.	4.154	2.467	-1.729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118736-a-7-a Acquired: 8/21/2016 21:32:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.338**	**.8894**	**-.2505**	**1033.**	**43.02**	**.1238**
Stddev	3.012	1.793	.1871	2.	.36	.3089
%RSD	225.0	201.6	74.71	.2410	.8381	249.6
#1	-2.985	2.937	-.3222	1032.	42.93	-.2194
#2	2.137	.1312	-.0381	1032.	43.42	.3795
#3	-3.167	-.4003	-.3911	1036.	42.71	.2113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5504**	**132.1**	**1.179**	**3247.**
Stddev	.1561	.2	.024	118.
%RSD	28.35	.1508	2.022	3.645
#1	-.5331	131.9	1.175	3119.
#2	-.4038	132.3	1.157	3352.
#3	-.7144	132.2	1.204	3270.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.4**	**43052.**	**4328.5**
Stddev	24.4	110.	153.2
%RSD	.59945	.25587	3.5399
#1	4087.8	43089.	4154.4
#2	4063.2	43139.	4443.0
#3	4039.1	42928.	4388.0

Sample Name: 460-118790-a-1-a Acquired: 8/21/2016 21:36:04 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29.08**	**2.251**	**-.0737**	**19.49**	**-.0472**	**72630.**
Stddev	16.07	1.064	.5720	.39	.0460	441.
%RSD	55.25	47.27	776.2	1.994	97.34	.6068
#1	32.37	1.802	-.4519	19.28	-.0657	72690.
#2	11.62	1.485	.5843	19.94	-.0811	72160.
#3	43.25	3.466	-.3535	19.25	.0051	73030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5578**	**.2074**	**218.2**	**13.68**	**128.5**	**1249.**
Stddev	.0889	.1213	.7	.15	9.2	49.
%RSD	15.94	58.48	.3194	1.106	7.138	3.919
#1	.4840	.2180	218.2	13.56	134.3	1305.
#2	.6566	.0812	217.5	13.63	133.2	1215.
#3	.5329	.3231	218.9	13.85	117.9	1226.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7601.**	**168.0**	**45130.**	**37.48**	**3.576**	**-.4033**
Stddev	98.	2.8	951.	1.01	2.257	.9759
%RSD	1.295	1.649	2.107	2.683	63.12	242.0
#1	7540.	166.4	46160.	37.57	1.826	-.4854
#2	7549.	166.5	44940.	36.44	6.124	.6111
#3	7715.	171.2	44290.	38.44	2.778	-1.336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118790-a-1-a Acquired: 8/21/2016 21:36:04 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.532**	**.1000**	**-.1924**	**17.41**	**90.21**	**-.2155**
Stddev	1.594	1.534	.3201	.06	.85	.1042
%RSD	104.1	1535.	166.3	.3684	.9391	48.34
#1	-1.785	1.079	-.3070	17.34	89.30	-.3250
#2	-2.985	-1.668	-.4395	17.45	90.34	-.1176
#3	.1737	.8894	.1692	17.45	90.98	-.2038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.231**	**195.5**	**1.695**	**3528.**
Stddev	.483	4.5	.042	72.
%RSD	39.21	2.311	2.494	2.039
#1	-.7442	200.3	1.648	3482.
#2	-1.239	194.9	1.730	3492.
#3	-1.709	191.4	1.706	3611.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4010.2**	**42832.**	**4294.7**
Stddev	5.8	145.	81.3
%RSD	.14470	.33825	1.8934
#1	4016.9	42758.	4208.1
#2	4006.6	42999.	4306.4
#3	4007.2	42739.	4369.5

Sample Name: CCV Acquired: 8/21/2016 21:40:03 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122600.**	**2438.**	**1217.**	**9929.**	**1004.**	**122400.**
Stddev	369.	9.	4.	15.	4.	373.
%RSD	.3010	.3792	.2891	.1518	.3875	.3047
#1	122300.	2428.	1213.	9911.	1002.	121900.
#2	122300.	2446.	1217.	9938.	1002.	122600.
#3	123000.	2440.	1220.	9937.	1009.	122500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1230.**	**2462.**	**4984.**	**12050.**	**98740.**	**49090.**
Stddev	1.	5.	17.	12.	282.	192.
%RSD	.0684	.1828	.3347	.1001	.2852	.3914
#1	1230.	2457.	4965.	12030.	98420.	48910.
#2	1231.	2464.	4993.	12060.	98830.	49070.
#3	1230.	2465.	4994.	12050.	98950.	49290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123100.**	**5039.**	**122200.**	**2508.**	**7421.**	**958.9**
Stddev	471.	16.	270.	8.	.	4.0
%RSD	.3826	.3079	.2210	.3154	.0024	.4190
#1	122600.	5021.	122100.	2500.	7421.	961.3
#2	123300.	5051.	121900.	2509.	7421.	961.0
#3	123400.	5045.	122500.	2516.	7421.	954.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 21:40:03 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2365.**	**2500.**	**2441.**	**2531.**	**969.3**	**2349.**
Stddev	19.	21.	5.	5.	4.7	3.
%RSD	.8023	.8386	.2248	.1927	.4876	.1198
#1	2386.	2524.	2439.	2525.	974.8	2347.
#2	2359.	2493.	2447.	2534.	966.1	2352.
#3	2349.	2484.	2437.	2533.	967.1	2348.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**974.9**	**5067.**	**10020.**	**8986.**
Stddev	4.3	25.	31.	25.
%RSD	.4364	.4971	.3053	.2784
#1	979.2	5053.	9984.	9015.
#2	974.9	5052.	10030.	8978.
#3	970.7	5096.	10040.	8967.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3809.2**	**40822.**	**4046.4**
Stddev	13.9	165.	13.4
%RSD	.36440	.40528	.33118
#1	3795.4	40679.	4059.9
#2	3809.1	40785.	4046.2
#3	3823.2	41003.	4033.1

Sample Name: CCB Acquired: 8/21/2016 21:43:39 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.09**	**1.591**	**.9217**	**2.050**	**.0543**	**48.70**
Stddev	6.33	1.144	.7247	.226	.0949	7.28
%RSD	25.24	71.86	78.63	11.00	174.8	14.95
#1	32.09	1.825	.5406	1.790	.1436	55.73
#2	19.74	.3491	.4670	2.163	.0647	49.16
#3	23.45	2.600	1.757	2.197	-.0454	41.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4393**	**.5650**	**.6952**	**.6599**	**8.697**	**24.55**
Stddev	.1523	.0914	.2721	.3363	9.634	36.95
%RSD	34.68	16.18	39.14	50.96	110.8	150.5
#1	.2895	.6115	.3824	.3410	8.536	67.19
#2	.4344	.4597	.8261	.6274	-.8559	4.538
#3	.5941	.6238	.8772	1.011	18.41	1.925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.35**	**.9740**	**128.2**	**.5434**	**1.781**	**-.6806**
Stddev	.99	.0518	23.8	.2570	1.785	1.224
%RSD	5.379	5.323	18.57	47.29	100.2	179.9
#1	19.22	1.000	155.5	.4515	.1116	-1.634
#2	17.27	.9143	117.2	.3449	3.664	-1.108
#3	18.55	1.007	111.9	.8336	1.568	.7001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 21:43:39 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.673**	**.0554**	**.6345**	**.7368**	**2.612**	**1.635**
Stddev	6.209	2.523	.5183	.0836	.918	.690
%RSD	371.2	4553.	81.69	11.35	35.14	42.19
#1	1.327	-.4936	1.180	.8171	3.655	2.387
#2	-4.356	-2.148	.1489	.7431	2.251	1.485
#3	8.047	2.807	.5743	.6501	1.929	1.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.6321**	**1.006**	**2.225**	**-5.631**
Stddev	.5314	.046	.120	11.11
%RSD	84.06	4.583	5.391	197.3
#1	-1.181	1.048	2.252	1.370
#2	-.1207	1.012	2.093	.1819
#3	-.5942	.9568	2.328	-18.44
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4080.8**	**43194.**	**4105.4**
Stddev	11.4	56.	55.6
%RSD	.27984	.13023	1.3540
#1	4085.3	43181.	4067.3
#2	4089.4	43256.	4079.6
#3	4067.9	43146.	4169.2

Sample Name: CCVL Acquired: 8/21/2016 21:47:41 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**197.8**	**14.37**	**9.422**	**195.6**	**1.988**	**4676.**
Stddev	10.4	1.79	.664	1.0	.119	21.
%RSD	5.255	12.48	7.045	.5185	6.006	.4554
#1	200.7	12.32	9.988	195.9	1.987	4689.
#2	206.5	15.67	9.585	194.4	1.869	4688.
#3	186.3	15.10	8.691	196.4	2.108	4652.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.218**	**49.02**	**10.93**	**23.29**	**166.0**	**4415.**
Stddev	.004	.36	.33	.33	8.2	48.
%RSD	.1016	.7279	2.991	1.436	4.951	1.096
#1	4.222	48.63	10.74	23.11	156.6	4371.
#2	4.219	49.10	10.74	23.08	170.2	4408.
#3	4.214	49.33	11.31	23.67	171.4	4467.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4642.**	**15.97**	**4446.**	**41.26**	**12.97**	**16.86**
Stddev	74.	.17	39.	.50	1.02	1.79
%RSD	1.586	1.073	.8754	1.210	7.874	10.63
#1	4558.	15.89	4423.	41.33	14.15	15.94
#2	4677.	15.85	4423.	40.73	12.31	15.72
#3	4693.	16.17	4491.	41.72	12.45	18.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 21:47:41 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.15**	**22.35**	**48.80**	**32.09**	**44.77**	**18.64**
Stddev	3.55	2.16	.76	.13	.71	.53
%RSD	23.43	9.677	1.559	.3952	1.594	2.831
#1	12.22	24.35	47.92	31.94	44.02	18.52
#2	19.09	20.06	49.29	32.16	45.44	19.22
#3	14.13	22.63	49.18	32.16	44.85	18.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**46.85**	**20.04**	**21.56**	F **-11.62**
Stddev	.56	.07	.40	6.23
%RSD	1.200	.3511	1.863	53.59
#1	46.77	20.05	21.20	-10.84
#2	47.45	19.97	21.48	-18.20
#3	46.34	20.11	21.99	-5.817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.9**	**43124.**	**4151.9**
Stddev	8.4	97.	21.2
%RSD	.20472	.22528	.50993
#1	4083.7	43084.	4130.1
#2	4095.2	43053.	4153.3
#3	4078.9	43235.	4172.4

Sample Name: 460-118790-a-2-a Acquired: 8/21/2016 21:51:40 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.02**	**1.517**	**-.2877**	**17.91**	**.0531**	**74220.**
Stddev	11.80	.447	.3939	1.02	.2003	479.
%RSD	24.59	29.47	136.9	5.674	376.9	.6454
#1	56.50	1.002	-.1027	19.09	.2797	74770.
#2	53.01	1.738	-.7400	17.30	-.0199	73880.
#3	34.53	1.810	-.0202	17.36	-.1004	74020.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4375**	**.6046**	**102.8**	**5.242**	**3924.**	**1381.**
Stddev	.2131	.2674	.9	1.252	29.	55.
%RSD	48.70	44.23	.9054	23.88	.7309	3.987
#1	.6582	.9000	103.8	6.676	3902.	1387.
#2	.2330	.3789	102.7	4.679	3914.	1433.
#3	.4213	.5349	102.0	4.371	3957.	1323.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7636.**	**899.7**	**43100.**	**23.99**	**1.132**	**-1.445**
Stddev	52.	2.3	685.	.32	.845	.918
%RSD	.6857	.2529	1.590	1.317	74.66	63.53
#1	7600.	901.4	43820.	24.28	1.169	-2.504
#2	7612.	897.1	43040.	23.65	.2686	-.8650
#3	7696.	900.5	42450.	24.03	1.958	-.9669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118790-a-2-a Acquired: 8/21/2016 21:51:40 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.230**	**-.3960**	**-.7523**	**18.30**	**92.56**	**5.281**
Stddev	2.108	2.188	.2245	.24	1.93	.359
%RSD	40.31	552.5	29.84	1.292	2.082	6.800
#1	-7.300	1.755	-.5239	18.52	90.58	5.656
#2	-3.086	-2.619	-.9726	18.05	92.65	5.246
#3	-5.303	-.3245	-.7605	18.33	94.43	4.940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.551**	**197.8**	**2.479**	**3323.**
Stddev	.665	3.5	.962	101.
%RSD	42.90	1.766	38.78	3.025
#1	-1.437	201.0	3.589	3213.
#2	-2.266	198.4	1.961	3344.
#3	-.9501	194.1	1.889	3411.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4049.3**	**43089.**	**4243.5**
Stddev	24.5	129.	133.1
%RSD	.60453	.29924	3.1369
#1	4076.4	43195.	4095.2
#2	4042.7	43125.	4282.6
#3	4028.8	42945.	4352.7

Sample Name: 460-118790-a-3-a Acquired: 8/21/2016 21:55:39 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.75**	**1.668**	**.1399**	**16.84**	**-.0409**	**74270.**
Stddev	10.27	1.582	.7527	.38	.1830	551.
%RSD	43.24	94.86	537.9	2.284	447.3	.7414
#1	35.44	1.432	.8209	16.39	-.0120	74870.
#2	16.18	3.355	.2673	17.03	.1259	74130.
#3	19.63	.2170	-.6683	17.08	-.2366	73800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4274**	**.3045**	**4.227**	**.1607**	**8.355**	**1502.**
Stddev	.0761	.0875	.617	.2189	14.72	6.
%RSD	17.81	28.72	14.59	136.2	176.2	.4253
#1	.3866	.2044	3.971	.0530	22.80	1503.
#2	.5153	.3663	3.780	.0166	8.902	1495.
#3	.3804	.3428	4.931	.4126	-6.631	1507.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7766.**	**1166.**	**43700.**	**.5764**	**1.624**	**-.9730**
Stddev	56.	5.	327.	.4473	.499	1.714
%RSD	.7193	.4621	.7492	77.60	30.70	176.2
#1	7720.	1172.	44050.	.9742	1.499	-2.242
#2	7828.	1164.	43630.	.0921	1.200	-1.654
#3	7751.	1162.	43410.	.6630	2.173	.9768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118790-a-3-a Acquired: 8/21/2016 21:55:39 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.543**	**2.793**	**-1.651**	**10.07**	**86.26**	**.0669**
Stddev	1.461	.944	.683	.27	1.32	.3291
%RSD	94.73	33.78	41.36	2.634	1.533	491.7
#1	.1414	3.645	-2.100	10.37	84.73	.0030
#2	-2.476	1.779	-.8652	9.877	87.10	.4233
#3	-2.293	2.955	-1.989	9.960	86.93	-.2255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.451**	**201.9**	**1.681**	**3298.**
Stddev	.255	1.0	.055	35.
%RSD	17.55	.4848	3.294	1.052
#1	-1.162	203.0	1.624	3262.
#2	-1.642	201.5	1.734	3332.
#3	-1.549	201.2	1.685	3299.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4032.6**	**42930.**	**4280.3**
Stddev	17.3	98.	38.1
%RSD	.42972	.22869	.88902
#1	4051.3	42819.	4237.0
#2	4029.3	43005.	4308.6
#3	4017.1	42967.	4295.2

Sample Name: 460-118899-a-1-a@4 Acquired: 8/21/2016 21:59:38 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37840.**	**30.38**	**.3756**	**534.0**	**1.974**	F **251100.**
Stddev	1007.	1.98	.2968	1.9	.066	3871.
%RSD	2.661	6.506	79.01	.3614	3.336	1.542
#1	36680.	28.11	.6710	535.2	1.899	247300.
#2	38440.	31.75	.0774	535.1	2.023	251000.
#3	38410.	31.27	.3784	531.8	2.000	255000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.137**	**29.93**	**88.31**	**219.4**	**76360.**	**5962.**
Stddev	.379	.29	.02	2.4	995.	206.
%RSD	33.34	.9724	.0268	1.110	1.303	3.451
#1	1.549	30.25	88.28	216.6	75300.	5726.
#2	1.060	29.67	88.32	220.6	76500.	6053.
#3	.8025	29.88	88.32	221.0	77270.	6106.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**131800.**	**1520.**	**573.7**	**69.81**	**900.3**	**1.202**
Stddev	1644.	19.	10.4	1.07	9.6	1.908
%RSD	1.248	1.235	1.807	1.531	1.064	158.8
#1	130200.	1500.	563.7	69.02	892.6	-.9696
#2	131800.	1522.	573.1	69.39	897.3	1.962
#3	133500.	1537.	584.4	71.03	911.0	2.613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118899-a-1-a@4 Acquired: 8/21/2016 21:59:38 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.575**	**-.5381**	**167.6**	**711.2**	**16.15**	**4.311**
Stddev	.817	.8592	2.6	7.5	.33	.180
%RSD	51.85	159.7	1.551	1.062	2.070	4.181
#1	.9622	.0531	165.8	704.9	16.18	4.317
#2	1.261	-.1437	166.4	709.2	15.80	4.128
#3	2.502	-1.524	170.6	719.6	16.46	4.488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**59.41**	**285.3**	**1405.**	**941.8**
Stddev	1.07	6.6	8.	23.9
%RSD	1.802	2.310	.6044	2.542
#1	58.33	277.8	1396.	921.9
#2	59.44	290.2	1409.	935.2
#3	60.47	287.9	1411.	968.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3895.5**	**42117.**	**4256.8**
Stddev	16.0	223.	64.7
%RSD	.40947	.52878	1.5199
#1	3878.0	42346.	4329.0
#2	3899.4	42106.	4237.2
#3	3909.2	41901.	4204.1

Sample Name: 460-118899-a-2-a@4 Acquired: 8/21/2016 22:03:28 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43470.**	**34.02**	**.4976**	**520.4**	**2.553**	**216400.**
Stddev	1386.	2.79	.0556	3.3	.088	1745.
%RSD	3.188	8.213	11.17	.6269	3.439	.8065
#1	41880.	36.77	.4958	517.0	2.622	214400.
#2	44150.	34.10	.4429	520.7	2.454	217600.
#3	44390.	31.18	.5540	523.5	2.582	217200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7327**	**31.00**	**106.2**	**291.3**	**91040.**	**6436.**
Stddev	.1202	.09	.4	1.5	729.	221.
%RSD	16.41	.2766	.4172	.5147	.8002	3.438
#1	.8690	30.90	105.6	289.6	90200.	6180.
#2	.6416	31.03	106.3	292.1	91380.	6565.
#3	.6875	31.07	106.5	292.2	91530.	6562.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**111900.**	**1378.**	**841.4**	**71.25**	**1041.**	**2.645**
Stddev	774.	8.	36.2	.95	3.	1.406
%RSD	.6919	.5841	4.298	1.331	.3266	53.14
#1	111000.	1369.	799.8	70.18	1042.	1.274
#2	112400.	1383.	859.1	71.62	1037.	4.083
#3	112400.	1383.	865.2	71.96	1044.	2.579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118899-a-2-a@4 Acquired: 8/21/2016 22:03:28 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.617**	**-2.200**	**146.6**	**765.1**	**20.26**	**4.607**
Stddev	1.601	2.182	2.2	7.1	.54	.566
%RSD	44.28	99.21	1.493	.9341	2.685	12.29
#1	3.777	-3.969	144.1	773.1	20.55	4.799
#2	1.941	.2387	147.9	759.6	19.63	3.970
#3	5.132	-2.868	147.9	762.4	20.60	5.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**61.91**	**283.1**	**1469.**	**992.1**
Stddev	.83	8.6	9.	9.4
%RSD	1.348	3.055	.6358	.9447
#1	62.45	273.1	1458.	1001.
#2	60.94	288.0	1471.	992.3
#3	62.32	288.1	1476.	982.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3942.3**	**42154.**	**4157.9**
Stddev	5.7	122.	107.4
%RSD	.14450	.28853	2.5826
#1	3936.0	42294.	4280.9
#2	3947.1	42077.	4110.2
#3	3943.6	42091.	4082.7

Sample Name: 460-118899-a-3-a@4 Acquired: 8/21/2016 22:07:19 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19390.**	**16.70**	**-.1916**	**288.4**	**.8932**	**200700.**
Stddev	160.	1.08	.8901	.2	.1071	1445.
%RSD	.8248	6.474	464.5	.0733	12.00	.7200
#1	19570.	15.49	-1.102	288.4	.7719	202100.
#2	19350.	17.58	-.1505	288.2	.9750	199200.
#3	19250.	17.01	.6773	288.6	.9326	200600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2370**	**14.67**	**55.79**	**85.50**	**43730.**	**3094.**
Stddev	.2295	.20	.69	1.41	168.	21.
%RSD	96.86	1.366	1.238	1.648	.3835	.6946
#1	.1162	14.88	56.55	83.88	43910.	3111.
#2	.5017	14.49	55.20	86.33	43580.	3101.
#3	.0930	14.65	55.62	86.31	43710.	3070.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**108100.**	**744.4**	**322.7**	**34.08**	**433.4**	**.1825**
Stddev	555.	2.9	1.6	.54	2.1	.3321
%RSD	.5138	.3850	.4910	1.572	.4811	182.0
#1	108700.	746.8	321.0	33.88	432.7	.5634
#2	107500.	741.2	324.1	34.69	431.7	-.0467
#3	108100.	745.2	323.0	33.68	435.7	.0308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118899-a-3-a@4 Acquired: 8/21/2016 22:07:19 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.717**	**-.7783**	**73.85**	**348.3**	**7.978**	**2.762**
Stddev	4.393	3.330	1.19	3.5	.359	.357
%RSD	255.9	427.9	1.607	1.007	4.501	12.92
#1	-1.980	1.694	74.23	351.5	8.364	3.168
#2	6.574	.5368	74.81	344.6	7.916	2.617
#3	.5562	-4.565	72.52	349.0	7.654	2.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**20.22**	**173.8**	**746.1**	**809.5**
Stddev	.70	1.4	.7	11.8
%RSD	3.482	.8056	.0938	1.451
#1	19.76	175.3	746.6	800.4
#2	21.03	173.5	746.5	805.4
#3	19.86	172.6	745.3	822.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3896.9**	**41811.**	**4040.4**
Stddev	9.9	322.	90.4
%RSD	.25288	.77105	2.2364
#1	3886.5	41447.	3943.2
#2	3898.3	41928.	4056.0
#3	3906.0	42059.	4121.9

Sample Name: 460-118876-a-2-a@10 Acquired: 8/21/2016 22:11:11 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34810.**	**18.98**	**.3656**	**161.3**	**1.252**	**2861.**
Stddev	361.	3.11	.2845	.5	.036	98.
%RSD	1.038	16.41	77.83	.2869	2.918	3.423
#1	35190.	17.28	.6941	161.1	1.211	2974.
#2	34470.	17.08	.2072	161.0	1.281	2806.
#3	34780.	22.57	.1955	161.9	1.263	2804.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.609**	**15.04**	**66.09**	**24.79**	**70010.**	**2474.**
Stddev	.104	.26	.40	.62	369.	31.
%RSD	6.441	1.699	.6027	2.518	.5272	1.252
#1	-1.553	14.84	65.91	24.48	70430.	2496.
#2	-1.546	14.95	65.80	24.39	69750.	2439.
#3	-1.729	15.33	66.54	25.51	69840.	2488.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5139.**	**398.4**	**844.5**	**23.65**	**6.999**	**-.8677**
Stddev	56.	2.3	16.7	.07	1.800	1.216
%RSD	1.093	.5741	1.981	.2798	25.72	140.1
#1	5142.	401.0	857.8	23.59	5.033	-.0306
#2	5082.	397.0	825.7	23.63	8.566	-2.263
#3	5195.	397.1	850.0	23.72	7.398	-.3100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-2-a@10 Acquired: 8/21/2016 22:11:11 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.380**	**.4709**	**84.54**	**79.03**	**6.712**	**1.663**
Stddev	2.406	4.441	1.63	.70	.296	.153
%RSD	174.3	943.2	1.933	.8871	4.410	9.199
#1	3.678	.7035	83.71	78.22	6.449	1.667
#2	1.585	4.791	83.49	79.43	7.033	1.814
#3	-1.122	-4.082	86.42	79.43	6.656	1.508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.217**	**29.27**	**927.6**	**388.8**
Stddev	.533	.31	4.3	16.3
%RSD	43.83	1.075	.4647	4.179
#1	1.813	29.62	931.7	370.3
#2	1.051	29.01	923.1	400.8
#3	.7858	29.18	928.0	395.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4138.5**	**43960.**	**4285.5**
Stddev	8.6	307.	40.3
%RSD	.20723	.69751	.93922
#1	4145.1	43612.	4255.9
#2	4128.8	44190.	4331.3
#3	4141.6	44079.	4269.3

Sample Name: 460-118895-e-1-a@10 Acquired: 8/21/2016 22:15:05 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**84010.**	**4.411**	**-.1787**	**614.0**	**2.431**	**2779.**
Stddev	855.	1.595	.7229	13.0	.115	2.
%RSD	1.018	36.16	404.6	2.124	4.716	.0817
#1	84910.	2.609	.5823	629.1	2.485	2781.
#2	83210.	5.641	-.8564	606.1	2.509	2777.
#3	83890.	4.983	-.2619	607.0	2.300	2778.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.469**	**50.28**	**134.3**	**17.55**	**71290.**	**20440.**
Stddev	.205	.96	1.0	.16	98.	185.
%RSD	13.94	1.913	.7106	.8985	.1374	.9054
#1	-1.259	51.39	133.5	17.40	71220.	20640.
#2	-1.668	49.77	135.3	17.71	71240.	20280.
#3	-1.481	49.68	134.0	17.55	71400.	20410.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19340.**	**655.1**	**2642.**	**82.79**	**34.63**	**1.943**
Stddev	65.	2.0	51.	1.87	3.44	1.276
%RSD	.3339	.3034	1.933	2.260	9.943	65.70
#1	19270.	652.9	2689.	84.93	37.14	1.117
#2	19380.	655.9	2588.	81.99	36.03	3.413
#3	19380.	656.6	2649.	81.46	30.70	1.298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118895-e-1-a@10 Acquired: 8/21/2016 22:15:05 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4857**	**.9898**	**165.9**	**152.9**	**1.326**	**1.956**
Stddev	1.661	.5577	2.2	3.0	.289	.290
%RSD	342.0	56.34	1.333	1.937	21.77	14.85
#1	-1.055	1.549	163.5	156.1	1.213	1.724
#2	-1.787	.4333	166.3	152.0	1.654	1.862
#3	1.385	.9875	167.9	150.4	1.110	2.282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-10.39**	**32.88**	**6683.**	**674.2**
Stddev	.46	.37	5.	34.3
%RSD	4.382	1.125	.0805	5.089
#1	-10.80	33.30	6684.	687.8
#2	-10.47	32.60	6687.	699.7
#3	-9.899	32.73	6677.	635.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4104.4**	**43380.**	**4135.9**
Stddev	75.2	96.	21.9
%RSD	1.8330	.22217	.53031
#1	4017.5	43385.	4122.1
#2	4149.7	43473.	4161.2
#3	4146.0	43281.	4124.5

Sample Name: 460-118895-f-2-a@10 Acquired: 8/21/2016 22:18:57 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41360.**	**12.55**	**-.2264**	**121.7**	**1.095**	**5464.**
Stddev	323.	1.54	.3501	.9	.097	58.
%RSD	.7800	12.25	154.6	.7268	8.857	1.066
#1	41030.	12.80	-.3272	120.8	.9992	5398.
#2	41670.	13.95	.1630	122.5	1.193	5510.
#3	41400.	10.91	-.5150	122.0	1.093	5483.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.351**	**24.49**	**65.14**	**53.37**	**68770.**	**4824.**
Stddev	.028	.10	.59	1.07	635.	58.
%RSD	2.059	.4050	.9075	2.000	.9231	1.192
#1	-1.382	24.50	64.76	52.15	68030.	4781.
#2	-1.345	24.38	64.83	53.90	69130.	4889.
#3	-1.327	24.58	65.82	54.07	69130.	4801.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9198.**	**638.1**	**965.6**	**35.44**	**15.77**	**.2504**
Stddev	179.	7.0	6.2	.58	1.90	.9286
%RSD	1.947	1.097	.6386	1.635	12.02	370.9
#1	8992.	630.0	962.7	35.13	17.70	1.011
#2	9277.	641.9	961.4	36.11	15.71	-.7843
#3	9323.	642.3	972.7	35.08	13.91	.5240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118895-f-2-a@10 Acquired: 8/21/2016 22:18:57 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3942**	**1.052**	**112.2**	**141.8**	**10.63**	**1.627**
Stddev	2.791	1.157	3.1	1.0	.40	.414
%RSD	708.1	110.0	2.801	.6762	3.723	25.47
#1	-3.475	2.353	109.0	140.7	10.96	1.420
#2	1.966	.6603	112.2	142.3	10.19	2.104
#3	.3272	.1414	115.3	142.3	10.73	1.356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0263**	**24.65**	**1713.**	**363.5**
Stddev	.5451	.29	15.	6.7
%RSD	2069.	1.167	.8854	1.835
#1	-.3997	24.42	1696.	371.1
#2	.5992	24.56	1719.	358.5
#3	-.2786	24.97	1724.	361.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4165.5**	**44286.**	**4287.5**
Stddev	2.5	245.	47.5
%RSD	.05920	.55233	1.1076
#1	4164.8	44565.	4325.2
#2	4163.4	44186.	4234.2
#3	4168.2	44107.	4303.1

Sample Name: 460-118926-f-1-a@20 Acquired: 8/21/2016 22:22:50 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10900.**	**8.785**	**-.0318**	**130.1**	**.5281**	**15180.**
Stddev	41.	1.154	.4160	.4	.1019	73.
%RSD	.3788	13.13	1309.	.3046	19.30	.4790
#1	10940.	7.794	-.5119	130.2	.5501	15110.
#2	10880.	8.509	.1935	130.4	.6172	15170.
#3	10860.	10.05	.2231	129.7	.4170	15260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0208**	**8.540**	**19.08**	**27.38**	**19270.**	**1907.**
Stddev	.0528	.212	.39	.31	271.	41.
%RSD	254.2	2.481	2.044	1.123	1.407	2.160
#1	.0069	8.781	18.65	27.05	18960.	1954.
#2	.0124	8.381	19.40	27.46	19400.	1876.
#3	-.0816	8.458	19.21	27.65	19450.	1892.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5816.**	**528.5**	**489.4**	**22.69**	**4888.**	**5.505**
Stddev	91.	.5	15.5	.59	20.	1.862
%RSD	1.567	.0919	3.171	2.614	.4120	33.82
#1	5712.	527.9	480.6	22.94	4867.	6.905
#2	5880.	528.6	480.4	23.12	4907.	3.392
#3	5857.	528.9	507.4	22.01	4892.	6.218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-f-1-a@20 Acquired: 8/21/2016 22:22:50 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.746**	**.4658**	**28.38**	**101.9**	**4.800**	**.5723**
Stddev	4.303	2.798	.71	.7	.471	.0710
%RSD	246.4	600.6	2.493	.7225	9.818	12.40
#1	6.545	.8937	27.63	101.1	5.313	.6506
#2	-1.768	3.025	29.03	102.0	4.386	.5542
#3	.4626	-2.521	28.49	102.5	4.702	.5122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.560**	**49.83**	**516.3**	**170.3**
Stddev	.311	.12	.3	3.2
%RSD	12.13	.2402	.0538	1.907
#1	2.915	49.96	516.2	168.4
#2	2.341	49.79	516.1	174.1
#3	2.424	49.74	516.6	168.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4150.8**	**44306.**	**4243.8**
Stddev	6.7	82.	7.4
%RSD	.16065	.18435	.17504
#1	4144.0	44222.	4247.9
#2	4151.1	44310.	4235.2
#3	4157.3	44385.	4248.2

Sample Name: 460-118926-f-3-a@10 Acquired: 8/21/2016 22:26:43 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17150.**	**12.93**	**.0484**	**320.0**	**.9323**	**85380.**
Stddev	189.	1.73	.8665	.4	.0779	586.
%RSD	1.104	13.37	1791.	.1285	8.357	.6866
#1	17000.	12.65	-.7885	320.4	.9168	84750.
#2	17090.	14.78	-.0082	319.6	1.017	85480.
#3	17370.	11.36	.9418	319.9	.8634	85910.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6958**	**12.05**	**29.75**	**71.81**	**28890.**	**2834.**
Stddev	.1091	.08	.33	1.09	124.	22.
%RSD	15.68	.6818	1.118	1.511	.4301	.7831
#1	.7390	12.04	29.40	71.84	28740.	2824.
#2	.7767	11.97	30.06	72.88	28950.	2819.
#3	.5717	12.13	29.80	70.71	28960.	2859.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6958.**	**526.5**	**556.1**	**30.16**	**6618.**	**-.2016**
Stddev	74.	2.2	9.0	.09	11.	.6742
%RSD	1.065	.4216	1.623	.2929	.1649	334.5
#1	6877.	524.0	548.0	30.12	6608.	.2752
#2	7022.	527.2	565.9	30.09	6618.	.0932
#3	6975.	528.3	554.4	30.26	6629.	-.9730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-f-3-a@10 Acquired: 8/21/2016 22:26:43 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0373**	**-2.360**	**50.44**	**495.1**	**16.27**	**1.973**
Stddev	2.233	2.671	1.42	4.4	.21	.178
%RSD	5981.	113.2	2.823	.8866	1.288	9.012
#1	.8171	-5.250	48.80	490.2	16.09	1.785
#2	1.776	.0186	51.18	496.2	16.22	2.138
#3	-2.481	-1.850	51.33	498.8	16.50	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.609**	**358.8**	**1023.**	**971.8**
Stddev	.131	1.1	4.	27.8
%RSD	2.841	.3074	.4043	2.858
#1	4.580	357.5	1019.	990.5
#2	4.753	359.4	1028.	985.0
#3	4.496	359.4	1023.	939.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4081.5**	**43545.**	**4260.2**
Stddev	6.4	64.	57.2
%RSD	.15687	.14730	1.3431
#1	4075.6	43609.	4290.5
#2	4080.7	43545.	4295.9
#3	4088.3	43481.	4194.2

Sample Name: CCV Acquired: 8/21/2016 22:30:35 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124300.**	**2435.**	**1228.**	**9956.**	**1022.**	**123500.**
Stddev	592.	4.	2.	13.	3.	375.
%RSD	.4765	.1454	.1931	.1316	.2981	.3034
#1	125000.	2439.	1226.	9971.	1026.	123100.
#2	124100.	2432.	1229.	9950.	1021.	123800.
#3	123800.	2435.	1230.	9947.	1020.	123700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1231.**	**2465.**	**5042.**	**12020.**	**99440.**	**49810.**
Stddev	2.	4.	13.	34.	294.	215.
%RSD	.1443	.1811	.2537	.2793	.2952	.4319
#1	1233.	2470.	5027.	11980.	99100.	50020.
#2	1229.	2464.	5052.	12030.	99580.	49820.
#3	1232.	2461.	5045.	12050.	99640.	49590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124000.**	**5074.**	**124300.**	**2518.**	**7424.**	**956.2**
Stddev	471.	14.	1119.	7.	17.	1.3
%RSD	.3800	.2820	.9002	.2827	.2300	.1345
#1	123500.	5058.	125500.	2527.	7443.	957.7
#2	124300.	5084.	124000.	2513.	7419.	955.5
#3	124300.	5081.	123400.	2515.	7410.	955.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 22:30:35 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2360.**	**2486.**	**2438.**	**2533.**	**962.3**	**2353.**
Stddev	1.	13.	10.	10.	.8	3.
%RSD	.0448	.5204	.4274	.4098	.0792	.1162
#1	2359.	2493.	2427.	2545.	961.6	2350.
#2	2361.	2471.	2438.	2524.	963.1	2356.
#3	2361.	2494.	2448.	2531.	962.4	2354.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**970.4**	**5151.**	**10090.**	**8888.**
Stddev	1.2	20.	29.	49.
%RSD	.1195	.3794	.2858	.5548
#1	970.5	5174.	10050.	8944.
#2	969.2	5138.	10110.	8851.
#3	971.6	5142.	10100.	8870.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3854.0**	**41020.**	**4005.2**
Stddev	16.6	33.	39.7
%RSD	.43182	.08111	.99203
#1	3839.6	40983.	3967.4
#2	3850.1	41029.	4001.7
#3	3872.2	41048.	4046.6

Sample Name: CCB Acquired: 8/21/2016 22:34:10 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4380**	**2.080**	**.3491**	**-.1314**	**-.0924**	**-2.774**
Stddev	16.30	.558	.4777	.0828	.1658	2.229
%RSD	3722.	26.80	136.8	63.01	179.5	80.36
#1	3.218	2.000	-.1852	-.1201	-.0329	-1.755
#2	15.17	1.567	.4976	-.0548	-.2798	-1.237
#3	-17.07	2.673	.7350	-.2192	.0355	-5.331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0098**	**-.0380**	**-.8054**	**-.6229**	**-1.353**	**-13.90**
Stddev	.0757	.1381	.6081	.2894	10.75	7.49
%RSD	773.7	363.7	75.51	46.46	794.6	53.85
#1	-.0323	-.1296	-1.454	-.8650	2.296	-16.79
#2	.0747	-.1052	-.7134	-.3024	-13.45	-5.402
#3	-.0717	.1209	-.2485	-.7012	7.095	-19.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.593**	**.0535**	**32.34**	**-.1145**	**-.8683**	**-.5164**
Stddev	5.367	.0693	15.29	.9139	.8595	.5590
%RSD	149.4	129.5	47.27	798.1	98.99	108.3
#1	-7.958	.1330	48.82	.8620	-1.332	.1173
#2	-5.219	.0223	29.55	-.9492	-1.396	-.9395
#3	2.399	.0053	18.64	-.2563	.1235	-.7270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 22:34:10 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.479**	**-.9423**	**.7980**	**.0772**	**1.660**	**.9262**
Stddev	1.681	2.167	.6975	.0566	.786	.3740
%RSD	113.6	229.9	87.40	73.34	47.35	40.38
#1	-3.212	1.493	.7372	.0307	2.568	1.337
#2	.1450	-1.662	1.524	.1402	1.204	.6044
#3	-1.371	-2.658	.1330	.0606	1.209	.8376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4067**	**.0113**	**.4943**	**-6.075**
Stddev	.2583	.0461	.0998	9.038
%RSD	63.51	409.3	20.18	148.8
#1	-.6702	.0219	.5945	4.242
#2	-.3961	.0511	.4932	-12.60
#3	-.1539	-.0392	.3950	-9.865
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4103.5**	**43778.**	**4268.4**
Stddev	4.6	117.	67.0
%RSD	.11194	.26677	1.5706
#1	4101.0	43698.	4212.7
#2	4108.8	43724.	4249.7
#3	4100.6	43912.	4342.8

Sample Name: CCVL Acquired: 8/21/2016 22:38:12 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**180.3**	**14.86**	**9.122**	**195.7**	**1.830**	**4651.**
Stddev	8.9	2.02	.718	.3	.132	50.
%RSD	4.917	13.61	7.869	.1566	7.223	1.079
#1	187.2	12.85	9.267	195.5	1.816	4636.
#2	170.3	14.82	9.756	196.1	1.706	4609.
#3	183.4	16.90	8.342	195.5	1.969	4706.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.044**	**49.79**	**9.637**	**21.28**	**155.0**	**4446.**
Stddev	.006	.45	.614	.64	7.0	37.
%RSD	.1584	.9070	6.368	3.007	4.548	.8366
#1	4.042	49.27	9.690	20.58	162.6	4469.
#2	4.051	50.07	8.999	21.41	153.6	4466.
#3	4.039	50.03	10.22	21.84	148.7	4403.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4603.**	**15.21**	**4439.**	**40.96**	**10.89**	**17.07**
Stddev	71.	.23	26.	.24	1.27	1.62
%RSD	1.542	1.506	.5766	.5847	11.63	9.481
#1	4524.	14.97	4463.	40.85	12.24	18.67
#2	4625.	15.24	4442.	40.80	10.71	15.43
#3	4660.	15.43	4412.	41.24	9.729	17.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 22:38:12 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.38**	**19.75**	**47.80**	**32.24**	**45.63**	**18.42**
Stddev	4.79	1.58	.67	.50	.55	.17
%RSD	29.26	8.017	1.392	1.537	1.209	.9115
#1	18.73	21.39	47.03	31.69	45.22	18.53
#2	10.87	18.23	48.10	32.66	45.42	18.50
#3	19.55	19.62	48.25	32.35	46.26	18.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.83**	**19.47**	**19.72**	F **.6255**
Stddev	1.38	.06	.54	4.001
%RSD	2.894	.3094	2.744	639.8
#1	46.94	19.54	19.24	-.6132
#2	47.12	19.46	19.62	-2.610
#3	49.42	19.42	20.31	5.100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4074.0**	**43256.**	**4174.9**
Stddev	17.9	531.	14.5
%RSD	.44015	1.2267	.34786
#1	4094.7	43465.	4162.7
#2	4063.6	43650.	4190.9
#3	4063.6	42653.	4171.0

Sample Name: 460-118926-e-4-a@4 Acquired: 8/21/2016 22:42:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33970.**	**43.60**	**1.181**	**620.3**	**1.698**	**211600.**
Stddev	1181.	.71	1.332	2.4	.060	2621.
%RSD	3.475	1.623	112.8	.3807	3.564	1.239
#1	32610.	43.35	1.094	620.1	1.652	208600.
#2	34620.	44.39	-.1049	622.7	1.766	213500.
#3	34680.	43.04	2.555	618.0	1.674	212800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.414**	**22.45**	**98.56**	**149.2**	**76790.**	**4502.**
Stddev	.249	.39	1.25	1.6	858.	160.
%RSD	17.61	1.730	1.267	1.105	1.118	3.562
#1	1.688	22.14	97.15	147.3	75800.	4318.
#2	1.355	22.34	99.00	149.9	77330.	4576.
#3	1.200	22.89	99.54	150.4	77230.	4612.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29400.**	**1383.**	**1328.**	**65.99**	**11990.**	**-.4246**
Stddev	309.	14.	34.	.71	45.	1.274
%RSD	1.051	.9974	2.554	1.080	.3713	299.9
#1	29050.	1367.	1292.	65.18	12020.	.9681
#2	29600.	1393.	1359.	66.26	12010.	-.7122
#3	29560.	1389.	1334.	66.53	11940.	-1.530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-e-4-a@4 Acquired: 8/21/2016 22:42:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.397**	**-.7871**	**94.67**	**838.5**	**30.48**	**14.23**
Stddev	3.954	1.693	1.39	1.5	.39	.44
%RSD	165.0	215.1	1.464	.1730	1.266	3.088
#1	.4062	-2.122	93.08	836.8	30.19	14.74
#2	-.6771	1.117	95.39	839.4	30.35	14.00
#3	-6.920	-1.357	95.56	839.3	30.92	13.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**14.09**	**574.5**	**1818.**	**1087.**
Stddev	.88	17.8	13.	5.
%RSD	6.226	3.094	.7242	.4861
#1	13.29	553.9	1803.	1090.
#2	15.03	584.5	1826.	1081.
#3	13.96	585.0	1826.	1089.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.9**	**43530.**	**4393.0**
Stddev	19.3	239.	108.9
%RSD	.47626	.54914	2.4799
#1	4039.0	43788.	4518.7
#2	4049.3	43315.	4326.5
#3	4076.4	43488.	4333.7

Sample Name: 460-118926-f-7-a@4 Acquired: 8/21/2016 22:46:03 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56530.**	**22.04**	**.9315**	**492.9**	**2.232**	**43410.**
Stddev	1882.	.86	.6964	.4	.099	469.
%RSD	3.329	3.884	74.77	.0863	4.422	1.080
#1	54360.	22.61	.1812	493.4	2.306	42880.
#2	57510.	22.45	1.557	492.9	2.120	43780.
#3	57720.	21.06	1.056	492.5	2.271	43560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.067**	**57.80**	**138.5**	**146.7**	**116300.**	**13360.**
Stddev	.295	.41	2.2	.2	979.	482.
%RSD	27.64	.7007	1.569	.1156	.8418	3.607
#1	-.7315	57.33	136.0	146.6	115200.	12800.
#2	-1.185	58.04	139.5	146.6	116900.	13610.
#3	-1.285	58.02	140.0	146.9	116800.	13660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29150.**	**2960.**	**827.0**	**134.8**	**8455.**	**-.3733**
Stddev	187.	24.	17.1	1.4	6.	1.693
%RSD	.6423	.8157	2.064	1.006	.0704	453.5
#1	28940.	2932.	807.8	133.6	8450.	-2.211
#2	29290.	2975.	832.7	136.2	8454.	-.0328
#3	29220.	2973.	840.5	134.5	8461.	1.124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-f-7-a@4 Acquired: 8/21/2016 22:46:03 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.225**	**-.2780**	**160.9**	**450.3**	**11.75**	**3.402**
Stddev	2.858	2.233	3.1	7.2	.11	.199
%RSD	128.5	803.4	1.912	1.594	.8971	5.861
#1	4.739	1.730	157.7	442.1	11.67	3.481
#2	-.8841	.1192	163.9	454.4	11.87	3.550
#3	2.819	-2.683	161.0	454.6	11.70	3.175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.687**	**151.8**	**3879.**	**793.7**
Stddev	.504	4.6	24.	4.2
%RSD	13.67	3.055	.6134	.5259
#1	4.268	146.5	3851.	788.9
#2	3.374	154.3	3892.	795.6
#3	3.417	154.7	3893.	796.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4138.1**	**44280.**	**4333.4**
Stddev	15.8	138.	96.6
%RSD	.38070	.31088	2.2291
#1	4128.7	44412.	4443.3
#2	4156.2	44137.	4294.5
#3	4129.2	44291.	4262.3

Sample Name: 460-118926-e-2-a@4 Acquired: 8/21/2016 22:49:52 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25830.**	**10.25**	**-.1260**	**185.3**	**1.301**	**23170.**
Stddev	19.	1.66	.2199	.4	.020	89.
%RSD	.0743	16.19	174.5	.2077	1.512	.3820
#1	25820.	11.73	.0556	184.9	1.286	23080.
#2	25820.	8.454	-.0630	185.5	1.294	23190.
#3	25850.	10.58	-.3706	185.6	1.323	23250.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.018**	**32.87**	**74.62**	**75.07**	**64590.**	**5327.**
Stddev	.204	.48	1.20	.79	96.	31.
%RSD	20.00	1.451	1.612	1.057	.1490	.5900
#1	-1.008	32.43	76.01	74.22	64550.	5363.
#2	-1.226	32.80	73.84	75.79	64510.	5311.
#3	-.8197	33.37	74.03	75.20	64690.	5307.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16280.**	**1847.**	**656.2**	**88.45**	**1197.**	**-.1586**
Stddev	143.	2.	5.5	.97	13.	1.600
%RSD	.8791	.0872	.8450	1.100	1.063	1009.
#1	16130.	1847.	659.3	87.68	1189.	.5974
#2	16280.	1845.	659.5	88.12	1191.	-1.997
#3	16420.	1848.	649.8	89.54	1212.	.9236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-e-2-a@4 Acquired: 8/21/2016 22:49:52 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.675**	**.3479**	**96.44**	**152.3**	**18.33**	**3.313**
Stddev	2.218	1.223	.88	1.5	.48	.326
%RSD	132.4	351.5	.9141	1.009	2.592	9.828
#1	-1.544	1.254	95.68	150.6	18.05	3.246
#2	-3.956	-1.043	96.22	152.5	18.05	3.667
#3	.4740	.8327	97.41	153.7	18.88	3.026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.853**	**85.81**	**1413.**	**1171.**
Stddev	.066	.27	3.	47.
%RSD	1.353	.3134	.2339	4.004
#1	4.780	86.02	1417.	1184.
#2	4.874	85.91	1410.	1210.
#3	4.906	85.51	1413.	1119.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4132.5**	**44144.**	**4353.4**
Stddev	8.1	269.	33.4
%RSD	.19666	.60874	.76658
#1	4125.1	43844.	4367.5
#2	4131.3	44225.	4377.4
#3	4141.2	44362.	4315.3

Sample Name: 460-118926-e-5-a@4 Acquired: 8/21/2016 22:53:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50110.**	**27.03**	**.4612**	**602.7**	**1.922**	**125400.**
Stddev	140.	2.86	.2881	.9	.076	680.
%RSD	.2799	10.57	62.47	.1442	3.941	.5422
#1	50090.	24.06	.5506	603.6	1.835	124900.
#2	49990.	27.28	.1390	601.8	1.973	125100.
#3	50270.	29.76	.6941	602.7	1.959	126200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1929**	**31.70**	**113.0**	**146.3**	**92020.**	**5556.**
Stddev	.1451	.12	.5	.8	237.	35.
%RSD	75.24	.3859	.4060	.5709	.2573	.6326
#1	-.3556	31.57	112.9	145.9	91970.	5590.
#2	-.1462	31.81	113.5	145.8	91810.	5557.
#3	-.0768	31.73	112.6	147.3	92280.	5520.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20320.**	**1974.**	**1278.**	**82.84**	**1487.**	**.3671**
Stddev	94.	6.	11.	.86	17.	.2645
%RSD	.4639	.3020	.8571	1.036	1.149	72.06
#1	20270.	1970.	1267.	82.13	1471.	.1406
#2	20260.	1970.	1280.	82.59	1486.	.3029
#3	20430.	1981.	1289.	83.79	1505.	.6577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-e-5-a@4 Acquired: 8/21/2016 22:53:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.800**	**-.0628**	**133.9**	**658.2**	**18.69**	**4.691**
Stddev	4.930	.7519	.9	6.6	.71	.405
%RSD	176.1	1198.	.6471	1.005	3.805	8.639
#1	4.652	-.9006	132.9	651.4	18.18	5.134
#2	-2.788	.1589	134.4	658.6	19.50	4.340
#3	6.536	.5535	134.4	664.6	18.40	4.599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**25.86**	**396.7**	**1933.**	**2247.**
Stddev	.59	2.0	1.	82.
%RSD	2.284	.5032	.0714	3.669
#1	26.41	399.0	1932.	2317.
#2	25.24	395.1	1932.	2268.
#3	25.93	396.2	1934.	2156.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4061.8**	**43185.**	**4227.6**
Stddev	5.4	218.	47.7
%RSD	.13251	.50592	1.1273
#1	4056.5	43094.	4244.7
#2	4067.2	43435.	4264.3
#3	4061.9	43027.	4173.7

Sample Name: 460-118926-e-6-a@4 Acquired: 8/21/2016 22:57:34 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27270.**	**7.969**	**1.090**	**214.3**	**.7020**	**8016.**
Stddev	863.	1.091	.780	.6	.0300	55.
%RSD	3.165	13.69	71.59	.2892	4.271	.6923
#1	26280.	7.415	.2090	214.5	.7335	7956.
#2	27730.	9.225	1.694	214.8	.6738	8026.
#3	27810.	7.266	1.366	213.6	.6986	8065.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.200**	**28.81**	**64.02**	**64.27**	**62490.**	**5396.**
Stddev	.131	.04	.83	.48	347.	150.
%RSD	10.92	.1506	1.295	.7496	.5548	2.772
#1	-1.264	28.79	63.08	64.26	62090.	5223.
#2	-1.049	28.79	64.67	63.79	62620.	5474.
#3	-1.287	28.86	64.29	64.75	62740.	5489.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14360.**	**1285.**	**459.6**	**82.30**	**-1.199**	**.2871**
Stddev	138.	6.	19.8	.32	.466	1.641
%RSD	.9589	.4764	4.318	.3827	38.83	571.8
#1	14250.	1278.	437.2	82.26	-1.397	-1.309
#2	14320.	1287.	466.3	82.64	-.6670	.2001
#3	14520.	1290.	475.1	82.01	-1.533	1.970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-e-6-a@4 Acquired: 8/21/2016 22:57:34 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2053**	**-1.401**	**92.57**	**169.3**	**4.110**	**1.815**
Stddev	3.493	3.829	.88	1.0	.456	.154
%RSD	1702.	273.2	.9537	.6119	11.10	8.476
#1	-1.600	2.897	91.85	168.1	4.309	1.875
#2	-2.785	-2.653	92.29	170.0	3.589	1.929
#3	3.770	-4.449	93.55	169.9	4.434	1.640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.692**	**29.71**	**2206.**	**598.1**
Stddev	.477	.79	9.	19.8
%RSD	28.16	2.656	.3866	3.309
#1	2.192	28.80	2196.	583.5
#2	1.243	30.25	2210.	620.7
#3	1.641	30.07	2211.	590.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.3**	**43988.**	**4292.1**
Stddev	12.9	245.	64.8
%RSD	.30963	.55689	1.5105
#1	4144.0	43869.	4366.6
#2	4147.9	43826.	4261.5
#3	4167.9	44270.	4248.3

Sample Name: 460-118769-d-1-a@20 Acquired: 8/21/2016 23:01:27 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7367.**	**-2.369**	**.8350**	**3.373**	**.0443**	**19430.**
Stddev	2.	2.947	.2888	.157	.1665	78.
%RSD	.0337	124.4	34.59	4.646	375.7	.4015
#1	7370.	.5450	1.163	3.489	.1281	19500.
#2	7365.	-2.302	.6172	3.195	-.1474	19450.
#3	7367.	-5.349	.7253	3.435	.1522	19350.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.000**	**1.735**	**10.83**	**16.05**	**147700.**	**491.7**
Stddev	.153	.353	.38	.73	546.	21.4
%RSD	5.111	20.36	3.506	4.574	.3697	4.363
#1	-2.957	1.581	10.82	15.20	148200.	467.6
#2	-3.170	2.139	10.45	16.52	147800.	498.7
#3	-2.872	1.485	11.21	16.42	147100.	508.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8634.**	**1819.**	**2613.**	**31.81**	F **-51.13**	**-5.820**
Stddev	78.	6.	15.	.41	1.80	.418
%RSD	.9005	.3071	.5616	1.281	3.520	7.186
#1	8632.	1822.	2596.	31.35	-52.90	-5.989
#2	8557.	1822.	2621.	32.00	-49.30	-5.344
#3	8712.	1812.	2622.	32.10	-51.19	-6.127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118769-d-1-a@20 Acquired: 8/21/2016 23:01:27 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4914**	**3.029**	**.8036**	**103.9**	**28.54**	**.2099**
Stddev	3.521	1.478	.5972	.6	.15	.6331
%RSD	716.6	48.80	74.32	.5348	.5288	301.6
#1	3.559	3.297	.2487	103.6	28.59	-.3132
#2	-2.827	4.355	1.436	103.6	28.65	.9137
#3	-2.206	1.435	.7266	104.6	28.37	.0293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.354**	**186.6**	**2.994**	**1160.**
Stddev	.287	.9	.063	25.
%RSD	21.24	.4930	2.088	2.150
#1	-1.184	185.7	3.061	1139.
#2	-1.686	187.5	2.936	1187.
#3	-1.192	186.8	2.986	1155.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.8**	**43186.**	**4125.4**
Stddev	16.2	157.	25.7
%RSD	.39679	.36327	.62191
#1	4096.1	43342.	4114.5
#2	4065.5	43028.	4107.0
#3	4071.9	43190.	4154.7

Sample Name: lcs 460-385943/2-a Acquired: 8/21/2016 23:05:21 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1816.**	**1822.**	**46.52**	**1918.**	**47.02**	**18700.**
Stddev	15.	3.	.25	4.	.46	41.
%RSD	.8319	.1780	.5383	.1898	.9682	.2197
#1	1829.	1818.	46.23	1916.	47.51	18710.
#2	1819.	1824.	46.63	1922.	46.61	18730.
#3	1800.	1823.	46.69	1915.	46.95	18650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.65**	**480.7**	**197.9**	**220.5**	**1035.**	**17910.**
Stddev	.32	3.6	.7	.9	8.	18.
%RSD	.6642	.7581	.3443	.4255	.7769	.1005
#1	48.65	479.1	197.7	219.5	1044.	17930.
#2	48.98	484.9	197.4	220.8	1034.	17900.
#3	48.33	478.1	198.7	221.3	1028.	17910.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18800.**	**490.3**	**17250.**	**495.8**	**497.3**	**425.3**
Stddev	39.	.7	237.	3.8	2.7	2.6
%RSD	.2071	.1518	1.371	.7608	.5436	.6069
#1	18760.	489.5	17520.	494.5	496.5	422.5
#2	18840.	491.0	17080.	500.0	500.3	427.5
#3	18790.	490.5	17160.	492.8	495.0	425.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-385943/2-a Acquired: 8/21/2016 23:05:21 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1854.**	**2053.**	**478.8**	**530.6**	**467.4**	**449.8**
Stddev	19.	18.	5.2	4.0	8.8	5.2
%RSD	1.049	.8673	1.090	.7471	1.873	1.160
#1	1832.	2032.	474.0	527.5	457.3	443.8
#2	1864.	2063.	478.0	535.0	472.3	453.5
#3	1867.	2063.	484.4	529.1	472.7	452.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**492.8**	**463.3**	**470.0**	**40.56**
Stddev	5.8	8.1	.6	11.07
%RSD	1.185	1.759	.1282	27.30
#1	486.1	472.6	469.3	32.30
#2	496.6	457.6	470.1	53.15
#3	495.7	459.6	470.5	36.25
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4136.8**	**43072.**	**4221.2**
Stddev	16.7	196.	33.4
%RSD	.40421	.45428	.79112
#1	4155.7	43297.	4187.4
#2	4130.9	42981.	4254.2
#3	4123.9	42939.	4222.0

Sample Name: pds 460-118552-d-1-a Acquired: 8/21/2016 23:09:06 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2130.**	**2293.**	**51.28**	**2350.**	**54.35**	**21780.**
Stddev	173.	160.	3.91	170.	4.62	1496.
%RSD	8.128	6.977	7.618	7.213	8.496	6.868
#1	1969.	2134.	47.79	2179.	49.83	20320.
#2	2109.	2291.	50.54	2352.	54.15	21720.
#3	2313.	2454.	55.50	2518.	59.06	23310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**57.83**	**586.6**	**226.9**	**283.2**	**2703.**	**20390.**
Stddev	4.65	42.5	17.5	18.8	35.	1433.
%RSD	8.048	7.247	7.717	6.650	1.307	7.026
#1	53.06	542.0	209.2	263.6	2716.	18940.
#2	58.06	591.0	227.1	285.0	2730.	20440.
#3	62.36	626.7	244.2	301.1	2663.	21800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20460.**	**567.9**	**20540.**	**599.4**	**588.1**	**527.9**
Stddev	1618.	40.5	1582.	49.3	43.0	37.2
%RSD	7.912	7.128	7.700	8.218	7.319	7.054
#1	18880.	527.7	18960.	549.2	542.8	490.1
#2	20380.	567.5	20560.	601.5	593.0	529.0
#3	22110.	608.6	22120.	647.6	628.5	564.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118552-d-1-a Acquired: 8/21/2016 23:09:06 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2460.**	**2394.**	**552.6**	**664.5**	**547.0**	**561.0**
Stddev	173.	177.	41.5	45.7	41.4	42.3
%RSD	7.038	7.401	7.511	6.884	7.573	7.538
#1	2290.	2218.	508.5	620.2	507.0	519.6
#2	2452.	2391.	558.5	661.7	544.4	559.4
#3	2636.	2572.	590.9	711.5	589.7	604.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**590.9**	**549.5**	**552.6**	**205.6**
Stddev	46.9	45.6	43.6	13.2
%RSD	7.945	8.293	7.893	6.398
#1	545.5	504.2	509.0	216.2
#2	587.9	549.0	552.5	209.8
#3	639.3	595.3	596.3	190.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3962.6**	**43551.**	**4311.8**
Stddev	2.9	205.	31.0
%RSD	.07250	.47018	.71939
#1	3964.5	43428.	4323.5
#2	3959.3	43788.	4335.3
#3	3964.0	43438.	4276.6

Sample Name: 460-118552-d-1-c ms Acquired: 8/21/2016 23:12:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**453.7**	**434.6**	**10.00**	**446.5**	**10.45**	**5152.**
Stddev	6.8	4.3	.32	.1	.05	44.
%RSD	1.488	.9802	3.183	.0154	.4474	.8481
#1	456.8	434.1	10.01	446.6	10.47	5111.
#2	458.2	430.6	10.32	446.5	10.39	5198.
#3	445.9	439.1	9.679	446.5	10.47	5147.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.66**	**111.1**	**44.19**	**68.16**	**1996.**	**4176.**
Stddev	.04	.2	.47	.90	42.	24.
%RSD	.3422	.2163	1.071	1.321	2.093	.5748
#1	10.70	111.2	43.97	67.12	1949.	4193.
#2	10.66	111.4	44.73	68.59	2028.	4186.
#3	10.63	110.9	43.87	68.76	2010.	4148.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4046.**	**125.0**	**4493.**	**114.2**	**113.5**	**98.39**
Stddev	109.	3.0	21.	.2	1.0	2.18
%RSD	2.696	2.411	.4651	.1911	.8708	2.220
#1	3927.	121.5	4500.	114.3	113.9	99.16
#2	4141.	127.3	4509.	113.9	114.3	95.93
#3	4069.	126.0	4469.	114.3	112.4	100.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118552-d-1-c ms Acquired: 8/21/2016 23:12:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**461.5**	**442.0**	**106.2**	**163.4**	**99.46**	**102.4**
Stddev	4.7	5.6	2.9	1.2	.67	.5
%RSD	1.025	1.273	2.730	.7557	.6733	.4395
#1	456.7	438.3	102.8	164.8	99.05	102.5
#2	466.2	448.4	107.9	162.6	100.2	102.8
#3	461.5	439.2	107.7	162.7	99.10	101.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**112.2**	**112.2**	**110.3**	**156.9**
Stddev	.8	.1	3.3	16.2
%RSD	.7238	.0875	3.007	10.33
#1	112.8	112.3	106.5	140.2
#2	112.6	112.1	112.3	157.9
#3	111.3	112.1	112.1	172.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4056.9**	**44399.**	**4378.7**
Stddev	4.0	257.	102.0
%RSD	.09794	.57893	2.3295
#1	4059.7	44300.	4283.1
#2	4058.6	44206.	4366.9
#3	4052.3	44691.	4486.1

Sample Name: 460-118552-d-1-b du Acquired: 8/21/2016 23:16:42 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.45**	**11.86**	**-.2328**	**3.283**	**-.0308**	**1225.**
Stddev	5.47	.83	.5559	.089	.2019	20.
%RSD	10.44	7.012	238.8	2.719	655.3	1.632
#1	56.05	11.82	-.7604	3.186	-.1870	1232.
#2	46.15	11.04	.3477	3.362	-.1026	1241.
#3	55.14	12.71	-.2856	3.300	.1972	1203.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0644**	**.0850**	**1.043**	**19.18**	**1809.**	**295.2**
Stddev	.1041	.1124	.585	.92	16.	17.7
%RSD	161.6	132.3	56.04	4.791	.8704	5.998
#1	.0326	.2082	1.230	18.25	1791.	306.9
#2	.1807	.0590	1.511	20.09	1819.	274.8
#3	-.0201	-.0121	.3880	19.21	1817.	303.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**97.67**	**14.18**	**603.1**	**.7609**	**4.526**	**2.522**
Stddev	5.32	.22	10.3	.0955	1.599	.880
%RSD	5.449	1.561	1.709	12.55	35.33	34.90
#1	94.70	13.92	594.7	.6880	4.450	2.956
#2	103.8	14.34	614.6	.8690	6.162	3.101
#3	94.50	14.27	600.0	.7258	2.967	1.509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118552-d-1-b du Acquired: 8/21/2016 23:16:42 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.51**	**-10.96**	**.9246**	**48.15**	**1.508**	**.3586**
Stddev	1.45	.93	.5595	.05	.253	.3121
%RSD	13.84	8.499	60.51	.0950	16.76	87.04
#1	10.52	-9.890	.9813	48.13	1.671	.1189
#2	9.052	-11.59	.3389	48.13	1.635	.2453
#3	11.96	-11.41	1.453	48.21	1.217	.7116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.958**	**4.185**	**.5783**	**176.2**
Stddev	.543	.052	.0771	7.2
%RSD	9.122	1.251	13.33	4.088
#1	6.559	4.124	.6331	174.1
#2	5.815	4.218	.4902	170.4
#3	5.500	4.212	.6117	184.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.6**	**45151.**	**4482.6**
Stddev	11.4	465.	142.1
%RSD	.27909	1.0305	3.1692
#1	4085.9	45087.	4342.8
#2	4098.1	44721.	4478.1
#3	4108.8	45645.	4626.8

Sample Name: CCV Acquired: 8/21/2016 23:20:44 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123700.**	**2450.**	**1223.**	**9980.**	**1016.**	**123500.**
Stddev	548.	6.	2.	6.	6.	616.
%RSD	.4434	.2466	.1486	.0578	.6182	.4989
#1	123100.	2456.	1222.	9979.	1009.	122800.
#2	123800.	2444.	1225.	9974.	1015.	123900.
#3	124100.	2450.	1221.	9986.	1022.	123700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1233.**	**2471.**	**5036.**	**12030.**	**99150.**	**49440.**
Stddev	1.	2.	25.	12.	352.	213.
%RSD	.0624	.0989	.4931	.0990	.3547	.4314
#1	1233.	2474.	5010.	12040.	98750.	49200.
#2	1232.	2469.	5059.	12030.	99400.	49560.
#3	1234.	2471.	5040.	12020.	99310.	49570.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123700.**	**5065.**	**123600.**	**2521.**	**7430.**	**956.5**
Stddev	349.	18.	137.	1.	6.	2.3
%RSD	.2819	.3476	.1107	.0288	.0811	.2435
#1	123300.	5045.	123500.	2521.	7430.	953.8
#2	124000.	5079.	123700.	2520.	7436.	958.1
#3	123900.	5070.	123800.	2521.	7424.	957.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 23:20:44 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2363.**	**2492.**	**2440.**	**2539.**	**964.0**	**2356.**
Stddev	7.	3.	6.	5.	2.3	3.
%RSD	.2851	.1170	.2571	.2144	.2344	.1309
#1	2369.	2496.	2439.	2533.	962.0	2358.
#2	2363.	2490.	2447.	2541.	963.5	2352.
#3	2356.	2491.	2434.	2544.	966.4	2358.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**975.6**	**5107.**	**10050.**	**8886.**
Stddev	3.2	25.	21.	77.
%RSD	.3283	.4898	.2127	.8689
#1	979.2	5080.	10030.	8969.
#2	973.3	5114.	10070.	8874.
#3	974.2	5128.	10060.	8815.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3819.0**	**40953.**	**4005.0**
Stddev	7.4	66.	23.3
%RSD	.19337	.16007	.58128
#1	3810.5	40966.	4028.3
#2	3822.5	40881.	4005.1
#3	3824.0	41010.	3981.7

Sample Name: CCB Acquired: 8/21/2016 23:24:20 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.43**	**1.485**	**.6001**	**1.155**	**.0340**	**13.13**
Stddev	5.67	1.235	.7196	.115	.0933	4.06
%RSD	54.39	83.15	119.9	9.914	274.3	30.89
#1	13.50	1.235	1.429	1.213	.0207	10.22
#2	13.91	2.826	.1319	1.023	-.0519	11.40
#3	3.885	.3943	.2397	1.228	.1333	17.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1025**	**.2675**	**.3537**	**.7142**	**6.263**	**13.96**
Stddev	.0817	.2920	.8815	.2853	5.081	8.26
%RSD	79.65	109.2	249.2	39.95	81.13	59.14
#1	.1223	.6030	1.249	.7075	10.35	20.78
#2	.0128	.0709	-.5133	1.003	7.867	4.780
#3	.1725	.1287	.3256	.4323	.5736	16.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.23**	**.5895**	**42.08**	**-.1861**	**-.3332**	**.3783**
Stddev	2.88	.0674	11.92	.5551	1.782	.7428
%RSD	28.12	11.43	28.33	298.4	534.8	196.3
#1	11.00	.5913	46.76	.0673	.6558	.6539
#2	12.65	.6559	50.94	-.8227	.7350	-.4629
#3	7.048	.5212	28.53	.1972	-2.390	.9440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 23:24:20 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.320**	**.2955**	**.5417**	**.3706**	**2.291**	**1.078**
Stddev	1.026	2.407	.8395	.0381	.099	.509
%RSD	77.75	814.3	155.0	10.27	4.326	47.23
#1	.8815	1.317	1.500	.4141	2.216	1.532
#2	2.493	2.023	.1867	.3436	2.254	1.174
#3	.5858	-2.453	-.0620	.3541	2.403	.5278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1245**	**.6247**	**1.611**	**-14.05**
Stddev	.4098	.0743	.035	8.27
%RSD	329.2	11.89	2.154	58.85
#1	-.5580	.5893	1.644	-9.133
#2	.2565	.7100	1.613	-23.60
#3	-.0720	.5748	1.575	-9.421
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.7**	**43538.**	**4164.5**
Stddev	6.3	107.	45.8
%RSD	.15478	.24674	1.0992
#1	4105.7	43632.	4112.0
#2	4097.3	43421.	4195.7
#3	4093.2	43562.	4185.9

Sample Name: CCVL Acquired: 8/21/2016 23:28:21 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**189.1**	**13.39**	**9.464**	**196.3**	**1.997**	**4616.**
Stddev	10.5	.41	.670	1.3	.114	41.
%RSD	5.578	3.034	7.082	.6517	5.683	.8878
#1	177.5	13.52	10.20	196.5	2.010	4662.
#2	198.2	13.72	8.882	197.5	2.103	4603.
#3	191.5	12.93	9.314	195.0	1.877	4583.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.957**	**49.59**	**9.506**	**21.79**	**157.0**	**4424.**
Stddev	.234	.50	.686	1.14	23.5	25.
%RSD	5.907	1.004	7.214	5.242	14.98	.5726
#1	3.789	49.77	9.197	20.89	161.0	4418.
#2	4.224	49.97	10.29	23.07	178.3	4451.
#3	3.858	49.03	9.030	21.39	131.8	4402.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4584.**	**15.26**	**4415.**	**41.34**	**12.35**	**16.86**
Stddev	31.	.28	5.	.58	.86	.69
%RSD	.6824	1.855	.1074	1.408	6.933	4.106
#1	4568.	15.24	4421.	40.73	11.83	17.56
#2	4563.	15.55	4413.	41.39	13.34	16.17
#3	4620.	14.99	4412.	41.89	11.89	16.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/21/2016 23:28:21 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.81**	**21.09**	**47.89**	**31.65**	**45.81**	**18.57**
Stddev	1.39	1.60	.89	.42	.58	.22
%RSD	7.383	7.600	1.860	1.339	1.270	1.195
#1	20.38	22.89	46.92	32.09	45.41	18.52
#2	18.31	19.83	48.08	31.62	46.48	18.81
#3	17.73	20.55	48.67	31.24	45.54	18.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.05**	**19.58**	**20.32**	F **-19.09**
Stddev	1.16	.41	.47	23.26
%RSD	2.460	2.117	2.303	121.9
#1	47.95	19.49	20.27	7.104
#2	47.45	20.04	20.81	-27.03
#3	45.74	19.22	19.88	-37.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.0**	**43644.**	**4220.4**
Stddev	11.2	358.	130.0
%RSD	.27406	.82120	3.0809
#1	4088.0	43231.	4097.0
#2	4107.4	43870.	4208.2
#3	4107.6	43833.	4356.2

Sample Name: 460-118552-d-1-a@5 Acquired: 8/21/2016 23:32:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62.90**	**9.360**	**.2112**	**3.011**	**-.0685**	**1188.**
Stddev	2.84	1.288	.3021	.100	.0510	21.
%RSD	4.507	13.76	143.0	3.309	74.36	1.782
#1	61.88	9.752	.0469	2.959	-.0864	1170.
#2	60.72	10.41	.5598	3.126	-.0110	1183.
#3	66.10	7.922	.0269	2.948	-.1082	1211.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0028**	**.1365**	**.5694**	**18.49**	**1746.**	**267.8**
Stddev	.0531	.2101	.4976	.61	48.	27.5
%RSD	1929.	153.9	87.39	3.319	2.744	10.26
#1	-.0480	.1478	.0272	17.79	1700.	262.2
#2	-.0160	.3407	1.005	18.77	1742.	243.5
#3	.0557	-.0790	.6759	18.92	1796.	297.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**94.44**	**13.61**	**586.4**	**.7629**	**4.727**	**.5441**
Stddev	1.67	.31	5.6	.8151	3.348	1.211
%RSD	1.771	2.273	.9500	106.8	70.83	222.5
#1	93.26	13.34	580.0	.6433	7.576	1.017
#2	96.36	13.55	589.3	.0141	5.564	1.447
#3	93.71	13.95	589.9	1.631	1.039	-.8316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118552-d-1-a@5 Acquired: 8/21/2016 23:32:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.566**	**-12.70**	**.3886**	**46.61**	**1.474**	**.0852**
Stddev	2.281	1.93	.5243	1.02	.704	.4794
%RSD	26.62	15.20	134.9	2.185	47.77	562.7
#1	7.603	-14.91	.0184	45.85	1.147	.6175
#2	11.17	-11.82	.9885	46.21	2.282	-.3127
#3	6.925	-11.36	.1587	47.77	.9922	-.0492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.975**	**4.028**	**.6715**	**163.1**
Stddev	.213	.053	.0938	5.3
%RSD	4.284	1.322	13.97	3.223
#1	5.112	3.994	.6279	157.1
#2	4.730	4.089	.7792	166.6
#3	5.083	4.000	.6075	165.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4095.4**	**44981.**	**4527.7**
Stddev	16.5	421.	24.9
%RSD	.40380	.93649	.55055
#1	4104.4	45283.	4527.2
#2	4105.5	45160.	4552.9
#3	4076.3	44500.	4503.0

Sample Name: sd 460-118552-d-1-a Acquired: 8/21/2016 23:36:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.39**	**2.327**	**.3492**	**.2551**	**-.0998**	**236.9**
Stddev	12.80	2.413	.4758	.1371	.1175	11.7
%RSD	69.62	103.7	136.2	53.75	117.8	4.936
#1	5.703	3.920	-.0442	.2450	-.1612	233.5
#2	18.16	3.510	.2139	.1233	-.1738	250.0
#3	31.30	-.4496	.8781	.3970	.0357	227.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0260**	**-.1136**	**-.1271**	**3.058**	**336.8**	**67.53**
Stddev	.0691	.1100	.4463	.445	3.1	15.95
%RSD	265.5	96.87	351.3	14.53	.9125	23.62
#1	-.0180	-.0508	-.6050	2.545	334.0	83.06
#2	-.0988	-.0494	-.0549	3.334	340.1	68.36
#3	.0387	-.2406	.2788	3.296	336.2	51.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.63**	**2.683**	**125.8**	**-.4775**	**-.2298**	**.1552**
Stddev	3.58	.055	8.4	.3739	2.263	1.316
%RSD	21.52	2.046	6.647	78.29	985.0	848.3
#1	20.49	2.711	116.2	-.8995	2.146	-.7859
#2	15.98	2.620	129.3	-.1877	-.4758	1.659
#3	13.42	2.719	131.8	-.3454	-2.360	-.4080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118552-d-1-a Acquired: 8/21/2016 23:36:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3595**	**-2.667**	**.4775**	**10.64**	**.4612**	**.4378**
Stddev	.8725	1.188	.5129	.10	.2496	.4430
%RSD	242.7	44.55	107.4	.9763	54.13	101.2
#1	.7057	-2.700	1.029	10.74	.5892	.9398
#2	1.006	-3.838	.0142	10.53	.1735	.1015
#3	-.6329	-1.462	.3897	10.66	.6209	.2721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6738**	**.7285**	**.1381**	**11.46**
Stddev	.8275	.0409	.1682	7.55
%RSD	122.8	5.616	121.8	65.91
#1	.5743	.7643	.3117	17.12
#2	-.0994	.7372	-.0243	14.38
#3	1.547	.6839	.1270	2.883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.1**	**44057.**	**4370.5**
Stddev	20.9	483.	137.7
%RSD	.50977	1.0970	3.1506
#1	4081.3	43499.	4224.8
#2	4113.2	44309.	4388.3
#3	4120.7	44362.	4498.5

Sample Name: 460-118582-g-2-a Acquired: 8/21/2016 23:40:23 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.85**	**1.731**	**.2044**	**34.80**	**-.0915**	**82050.**
Stddev	4.48	.159	.4716	.11	.0656	203.
%RSD	17.32	9.186	230.8	.3025	71.74	.2479
#1	21.06	1.840	-.2913	34.75	-.1050	82190.
#2	26.55	1.805	.6474	34.73	-.1493	82140.
#3	29.93	1.549	.2570	34.92	-.0201	81810.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5322**	**.1457**	**-.5989**	**-.0371**	**9.306**	**1608.**
Stddev	.0556	.1621	.2831	.2671	9.460	22.
%RSD	10.44	111.3	47.27	719.6	101.7	1.372
#1	.5954	.0692	-.8197	-.3297	20.20	1598.
#2	.5100	.3319	-.2797	.0249	3.197	1592.
#3	.4911	.0360	-.6971	.1935	4.517	1633.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17860.**	**20.91**	**46610.**	**.6368**	**5.021**	**-1.736**
Stddev	281.	.49	561.	.8472	1.147	.258
%RSD	1.574	2.333	1.204	133.0	22.84	14.86
#1	17560.	20.40	47250.	-.2700	5.249	-1.665
#2	17920.	20.94	46410.	.7725	6.036	-2.023
#3	18110.	21.37	46180.	1.408	3.777	-1.522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118582-g-2-a Acquired: 8/21/2016 23:40:23 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.563**	**1.263**	**.5173**	**4.860**	**806.3**	**.3272**
Stddev	3.347	1.565	.2003	.068	8.6	.1603
%RSD	130.6	124.0	38.71	1.404	1.066	49.00
#1	-5.804	.5595	.6963	4.834	799.4	.2075
#2	.8815	3.056	.5545	4.807	803.6	.2648
#3	-2.766	.1725	.3010	4.937	815.9	.5093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.7891**	**222.9**	**1.782**	**10580.**
Stddev	.5819	1.2	.167	56.
%RSD	73.74	.5353	9.381	.5306
#1	-.6951	224.0	1.779	10530.
#2	-1.412	222.9	1.616	10580.
#3	-.2600	221.7	1.951	10640.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4045.7**	**42791.**	**4206.3**
Stddev	27.0	490.	34.7
%RSD	.66748	1.1450	.82486
#1	4074.0	43328.	4239.4
#2	4043.1	42676.	4170.2
#3	4020.1	42368.	4209.3

Sample Name: 460-118582-g-2-b ms Acquired: 8/21/2016 23:44:19 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2007.**	**2040.**	**50.78**	**2110.**	**51.54**	**100800.**
Stddev	27.	6.	.31	3.	.30	160.
%RSD	1.344	.2851	.6097	.1413	.5759	.1588
#1	2028.	2035.	50.71	2111.	51.87	100700.
#2	2017.	2046.	51.12	2112.	51.29	101000.
#3	1977.	2038.	50.51	2107.	51.45	100700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.44**	**515.7**	**211.5**	**242.7**	**1061.**	**21500.**
Stddev	.21	2.8	.7	2.0	13.	94.
%RSD	.4079	.5402	.3306	.8322	1.245	.4360
#1	52.33	512.5	211.8	240.6	1058.	21400.
#2	52.69	517.7	211.9	244.6	1049.	21590.
#3	52.31	517.0	210.7	242.9	1075.	21490.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37420.**	**543.4**	**65840.**	**528.6**	**537.2**	**477.0**
Stddev	79.	1.6	801.	2.7	4.4	5.4
%RSD	.2114	.2985	1.216	.5164	.8241	1.128
#1	37350.	543.4	66400.	526.8	532.1	471.1
#2	37510.	545.0	66190.	531.7	539.7	478.5
#3	37410.	541.7	64920.	527.2	539.8	481.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118582-g-2-b ms Acquired: 8/21/2016 23:44:19 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2061.**	**2187.**	**517.1**	**571.1**	**1319.**	**491.5**
Stddev	23.	19.	8.8	4.1	14.	6.2
%RSD	1.112	.8785	1.711	.7187	1.085	1.260
#1	2035.	2165.	506.9	566.4	1303.	484.4
#2	2073.	2199.	521.6	572.8	1326.	494.7
#3	2076.	2198.	522.8	574.0	1328.	495.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**539.1**	**729.5**	**513.1**	**10540.**
Stddev	4.5	11.0	2.1	212.
%RSD	.8318	1.509	.4031	2.008
#1	534.2	737.0	513.4	10440.
#2	543.0	734.6	515.0	10390.
#3	540.1	716.9	510.9	10780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3981.5**	**42026.**	**4152.2**
Stddev	7.2	107.	64.3
%RSD	.18116	.25411	1.5497
#1	3989.2	42023.	4120.2
#2	3980.4	41920.	4110.1
#3	3974.9	42134.	4226.2

Sample Name: mb 460-385943/1-a Acquired: 8/21/2016 23:51:59 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.735**	**2.882**	**.2681**	**-.2362**	**.0073**	**.4407**
Stddev	2.346	1.929	.2069	.1398	.0644	13.93
%RSD	135.2	66.95	77.17	59.20	882.4	3161.
#1	3.819	4.987	.4515	-.3425	-.0588	14.31
#2	-.8054	2.460	.0438	-.2883	.0699	.5614
#3	2.190	1.198	.3091	-.0778	.0108	-13.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0133**	**-.0101**	**-.2020**	**-.9764**	**-6.281**	**11.80**
Stddev	.1761	.0618	.1140	.2834	11.69	47.88
%RSD	1320.	611.5	56.45	29.03	186.1	405.8
#1	.0324	.0605	-.3233	-1.180	1.892	64.78
#2	-.2078	-.0544	-.1855	-1.097	-1.068	-.9799
#3	.1354	-.0363	-.0971	-.6527	-19.67	-28.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.343**	**.0231**	**60.23**	**-.5794**	**-.2776**	**.9851**
Stddev	1.377	.0514	38.56	.7409	1.312	2.082
%RSD	41.19	222.7	64.03	127.9	472.6	211.3
#1	-4.069	.0811	104.8	-.9544	-.2163	.8723
#2	-1.755	.0051	37.63	-1.058	1.003	-1.038
#3	-4.205	-.0169	38.30	.2740	-1.619	3.121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385943/1-a Acquired: 8/21/2016 23:51:59 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.755**	**-.1753**	**.1085**	**.0435**	**1.710**	**.2403**
Stddev	1.454	.6420	.5724	.1657	.232	.1490
%RSD	82.81	366.1	527.4	380.5	13.55	62.00
#1	-1.132	.5648	.5187	-.1456	1.896	.2187
#2	-.7172	-.5102	.3522	.1626	1.784	.3989
#3	-3.416	-.5806	-.5454	.1136	1.451	.1033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.6700**	**.1818**	**-.0789**	**-17.16**
Stddev	.1626	.4494	.1361	5.19
%RSD	24.27	247.2	172.5	30.22
#1	-.7933	.6999	-.1348	-14.78
#2	-.4857	-.0518	.0762	-23.11
#3	-.7311	-.1026	-.1781	-13.59
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4067.9**	**43951.**	**4338.4**
Stddev	25.9	446.	70.9
%RSD	.63780	1.0157	1.6337
#1	4038.6	44431.	4360.4
#2	4076.9	43549.	4259.2
#3	4088.1	43871.	4395.7

Sample Name: CCV Acquired: 8/21/2016 23:56:01 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122800.**	**2449.**	**1220.**	**9967.**	**1005.**	**123100.**
Stddev	563.	4.	8.	19.	4.	1097.
%RSD	.4587	.1485	.6955	.1909	.3896	.8907
#1	122100.	2449.	1211.	9950.	1002.	121900.
#2	122900.	2452.	1225.	9988.	1003.	123500.
#3	123300.	2445.	1225.	9964.	1009.	124000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1232.**	**2463.**	**5012.**	**12070.**	**99050.**	**49210.**
Stddev	4.	4.	37.	14.	680.	201.
%RSD	.2993	.1646	.7481	.1190	.6862	.4074
#1	1228.	2460.	4974.	12070.	98280.	49010.
#2	1236.	2468.	5013.	12090.	99280.	49200.
#3	1232.	2461.	5049.	12060.	99580.	49410.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123500.**	**5060.**	**123000.**	**2506.**	**7436.**	**955.1**
Stddev	1060.	31.	133.	4.	20.	2.2
%RSD	.8583	.6087	.1082	.1708	.2738	.2300
#1	122300.	5025.	122900.	2501.	7421.	957.6
#2	123800.	5068.	123200.	2507.	7459.	954.4
#3	124300.	5085.	123000.	2509.	7428.	953.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/21/2016 23:56:01 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2383.**	**2506.**	**2455.**	**2534.**	**975.3**	**2358.**
Stddev	19.	7.	10.	15.	8.6	6.
%RSD	.8143	.2624	.3934	.6017	.8840	.2386
#1	2397.	2505.	2444.	2517.	978.4	2353.
#2	2391.	2513.	2462.	2539.	982.0	2364.
#3	2361.	2500.	2460.	2546.	965.6	2357.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**983.6**	**5080.**	**10010.**	**9059.**
Stddev	5.7	5.	29.	31.
%RSD	.5749	.0995	.2938	.3370
#1	983.5	5080.	9980.	9094.
#2	989.3	5075.	10020.	9046.
#3	978.0	5085.	10040.	9038.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3812.8**	**40980.**	**4091.9**
Stddev	5.6	209.	54.8
%RSD	.14603	.50881	1.3401
#1	3811.6	41217.	4149.6
#2	3807.9	40898.	4085.4
#3	3818.8	40824.	4040.5

Sample Name: 460-118553-a-1-a Acquired: 8/21/2016 23:48:03 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**160.5**	**7.155**	**.3501**	**157.9**	**-.1214**	**69140.**
Stddev	11.0	.725	.5888	.4	.0755	1337.
%RSD	6.851	10.13	168.2	.2396	62.21	1.934
#1	150.1	6.331	.0342	157.7	-.1107	70630.
#2	159.4	7.443	-.0133	158.4	-.2016	68750.
#3	172.0	7.693	1.029	157.8	-.0518	68050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5205**	**.6720**	**3.586**	**35.99**	**1473.**	**15010.**
Stddev	.1147	.1907	.088	.36	28.	258.
%RSD	22.04	28.37	2.458	.9906	1.912	1.717
#1	.5500	.7927	3.687	35.66	1484.	14890.
#2	.6176	.7711	3.544	36.37	1494.	14840.
#3	.3939	.4522	3.526	35.94	1441.	15310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14480.**	**135.2**	**80790.**	**3.993**	**3.694**	**.4728**
Stddev	93.	.8	1959.	.613	1.564	1.833
%RSD	.6438	.5658	2.425	15.36	42.33	387.6
#1	14380.	134.3	80990.	4.381	2.036	-.5664
#2	14550.	135.5	78740.	4.311	3.905	2.589
#3	14530.	135.7	82640.	3.286	5.141	-.6040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118553-a-1-a Acquired: 8/21/2016 23:48:03 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2724**	**1.779**	**7.571**	**216.2**	**100.9**	**2.863**
Stddev	2.562	2.148	.573	.8	.2	.078
%RSD	940.3	120.8	7.562	.3916	.2296	2.734
#1	-.9925	3.696	7.304	216.9	100.7	2.938
#2	-2.397	-.5434	8.228	215.3	101.2	2.867
#3	2.572	2.184	7.181	216.3	100.9	2.782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2870**	**1007.**	**4.177**	**6017.**
Stddev	.4715	27.	.207	199.
%RSD	164.3	2.709	4.967	3.300
#1	.0411	999.6	3.993	5788.
#2	-.8272	983.7	4.402	6130.
#3	-.0748	1037.	4.136	6134.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3977.2**	**43463.**	**4575.1**
Stddev	20.0	446.	178.9
%RSD	.50228	1.0264	3.9109
#1	3998.0	42972.	4391.3
#2	3975.2	43574.	4748.8
#3	3958.2	43843.	4585.1

Sample Name: CCB Acquired: 8/21/2016 23:59:37 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.744**	**2.928**	**.2606**	**.9209**	**.0480**	**19.02**
Stddev	18.06	1.367	.6665	.2409	.1711	13.17
%RSD	206.6	46.70	255.7	26.15	356.8	69.25
#1	23.55	1.496	.9817	1.081	.0411	32.66
#2	14.06	3.067	.1328	1.037	.2224	6.377
#3	-11.38	4.220	-.3327	.6440	-.1196	18.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2900**	**.2312**	**.6490**	**.6566**	**11.64**	**32.30**
Stddev	.1839	.0796	.6180	.1551	11.53	15.93
%RSD	63.42	34.42	95.22	23.63	99.05	49.34
#1	.4913	.2738	1.097	.7517	3.322	46.99
#2	.2482	.2805	-.0560	.7404	6.800	15.36
#3	.1306	.1394	.9062	.4776	24.81	34.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.97**	**.6359**	**76.02**	**-.2010**	**1.183**	**-1.293**
Stddev	6.08	.1174	38.81	.3231	1.028	.677
%RSD	43.53	18.46	51.06	160.7	86.90	52.37
#1	20.72	.7683	120.7	-.3412	.8166	-1.592
#2	12.29	.5444	50.45	-.4303	.3883	-.5181
#3	8.906	.5952	56.93	.1684	2.344	-1.770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/21/2016 23:59:37 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.988**	**1.362**	**1.421**	**.2631**	**2.797**	**1.187**
Stddev	.966	1.168	.584	.1398	.556	.329
%RSD	32.33	85.75	41.10	53.13	19.88	27.70
#1	-3.758	.1645	1.319	.2876	3.351	1.547
#2	-3.301	2.497	.8949	.1127	2.802	1.113
#3	-1.904	1.423	2.049	.3890	2.239	.9018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1232**	**.8298**	**1.827**	**-3.390**
Stddev	.4232	.3534	.096	11.56
%RSD	343.4	42.59	5.224	340.9
#1	-.3386	1.224	1.896	7.631
#2	.2159	.7221	1.868	-15.42
#3	.4925	.5427	1.718	-2.385
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4075.7**	**43342.**	**4177.0**
Stddev	2.0	96.	43.7
%RSD	.04895	.22135	1.0471
#1	4075.2	43453.	4134.1
#2	4074.0	43298.	4175.4
#3	4077.9	43277.	4221.5

Sample Name: CCVL Acquired: 8/22/2016 0:03:39 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**178.0**	**12.49**	**9.008**	**194.3**	**1.736**	**4641.**
Stddev	8.4	.46	.621	.4	.135	31.
%RSD	4.705	3.681	6.893	.2159	7.773	.6746
#1	168.3	12.30	8.663	194.1	1.773	4614.
#2	182.6	13.01	8.635	194.0	1.587	4634.
#3	183.0	12.15	9.724	194.8	1.849	4676.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.932**	**49.30**	**9.367**	**21.49**	**152.1**	**4366.**
Stddev	.176	.02	.380	.33	16.2	27.
%RSD	4.470	.0440	4.054	1.549	10.65	.6094
#1	3.852	49.28	9.552	21.77	142.5	4337.
#2	3.810	49.32	8.930	21.58	143.0	4389.
#3	4.133	49.30	9.619	21.12	170.8	4372.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

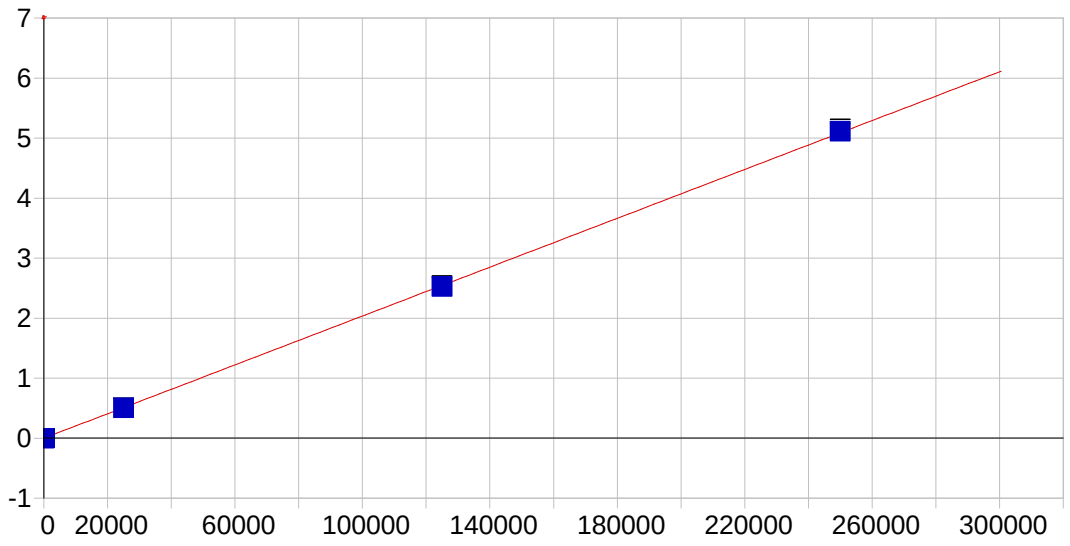
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4620.**	**15.16**	**4402.**	**40.31**	**11.79**	**18.05**
Stddev	130.	.36	14.	.24	1.60	.94
%RSD	2.814	2.395	.3105	.5864	13.57	5.210
#1	4475.	14.76	4398.	40.57	11.71	19.12
#2	4656.	15.25	4417.	40.11	13.43	17.68
#3	4728.	15.47	4390.	40.24	10.23	17.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/22/2016 0:03:39 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.58**	**20.41**	**47.85**	**31.93**	**45.55**	**18.52**
Stddev	1.43	.61	1.57	.23	.51	.15
%RSD	9.791	3.004	3.287	.7359	1.121	.8082
#1	13.43	21.08	46.30	32.12	45.53	18.66
#2	14.14	19.86	49.45	31.67	46.06	18.52
#3	16.18	20.30	47.81	32.00	45.04	18.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.22**	**19.12**	**19.82**	F **-7.753**
Stddev	.40	.14	.49	3.780
%RSD	.8338	.7169	2.466	48.75
#1	48.59	18.97	19.32	-3.411
#2	47.79	19.18	19.84	-9.538
#3	48.27	19.23	20.29	-10.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4109.7**	**43559.**	**4263.5**
Stddev	2.4	53.	50.2
%RSD	.05738	.12223	1.1779
#1	4107.2	43559.	4245.5
#2	4110.0	43612.	4224.8
#3	4111.9	43505.	4320.3

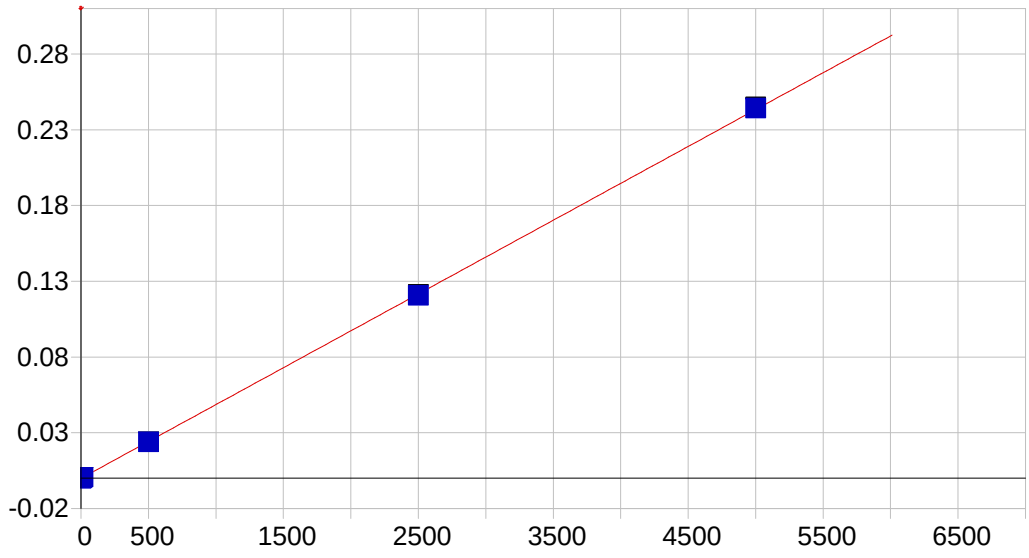


Al 396.152 { 85}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000238	Re-Slope:	1.000000
A1 (Gain):	0.000020	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999980	Status:	OK.
Std Error of Est:	0.000048		
Predicted MDL:	15.426631		
Predicted MQL:	51.422105		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01500	-.015	.000	-.00024	.000	1
CAL2	200.00	217.56	17.6	8.78	.00420	.000	1
CAL3	25000.	24751.	-249.	-.997	.50387	.000	1
CAL4	125000.	124070.	-931.	-.745	2.5267	.011	1
CAL5	250000.	251160.	1160.	.465	5.1153	.032	1

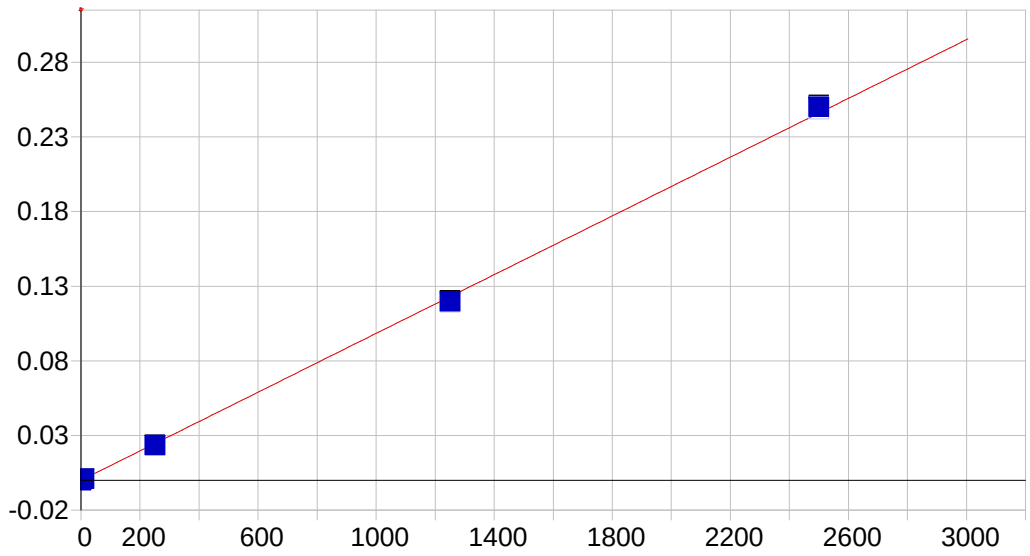


As 189.042 {478}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000073	Re-Slope:	1.000000
A1 (Gain):	0.000049	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999969	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	2.300271		
Predicted MQL:	7.667571		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00083	-.001	.000	-.00007	.000	1
CAL2	15.000	15.042	.042	.281	.00066	.000	1
CAL3	500.00	492.39	-7.61	-1.52	.02385	.000	1
CAL4	2500.0	2483.5	-16.5	-.661	.12059	.000	1
CAL5	5000.0	5023.2	23.2	.463	.24399	.001	1
CAL1	5.0000	5.9035	.904	18.1	.00021	.000	1

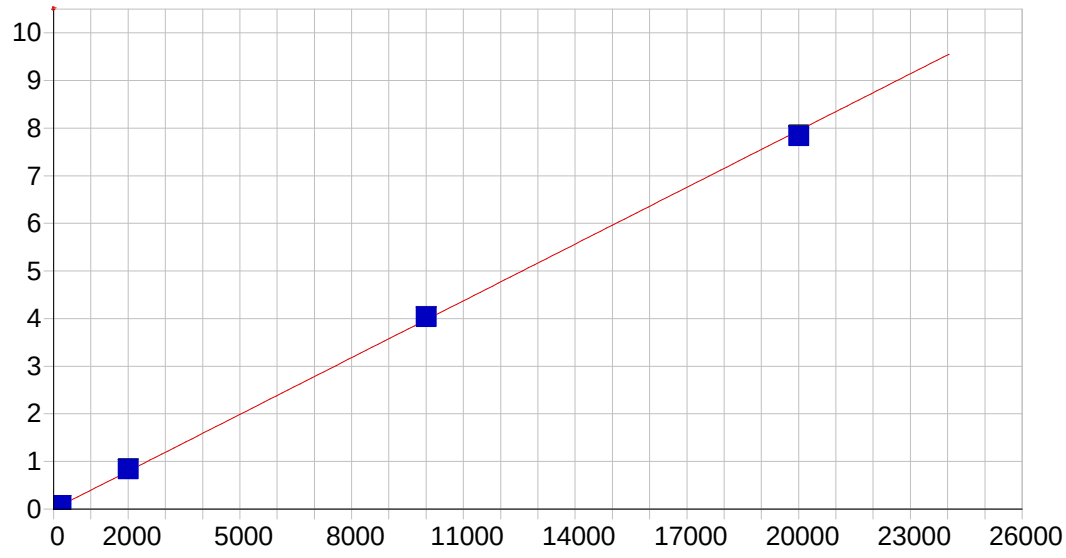


Ag 328.068 {103}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000031	Re-Slope:	1.000000
A1 (Gain):	0.000098	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999748	Status:	OK.
Std Error of Est:	0.000018		
Predicted MDL:	0.753242		
Predicted MQL:	2.510807		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00074	.001	.000	-.00003	.000	1
CAL2	10.000	9.7857	-.214	-2.14	.00092	.000	1
CAL3	250.00	238.88	-11.1	-4.45	.02331	.000	1
CAL4	1250.0	1218.9	-31.1	-2.49	.11909	.001	1
CAL5	2500.0	2542.4	42.4	1.70	.24850	.001	1

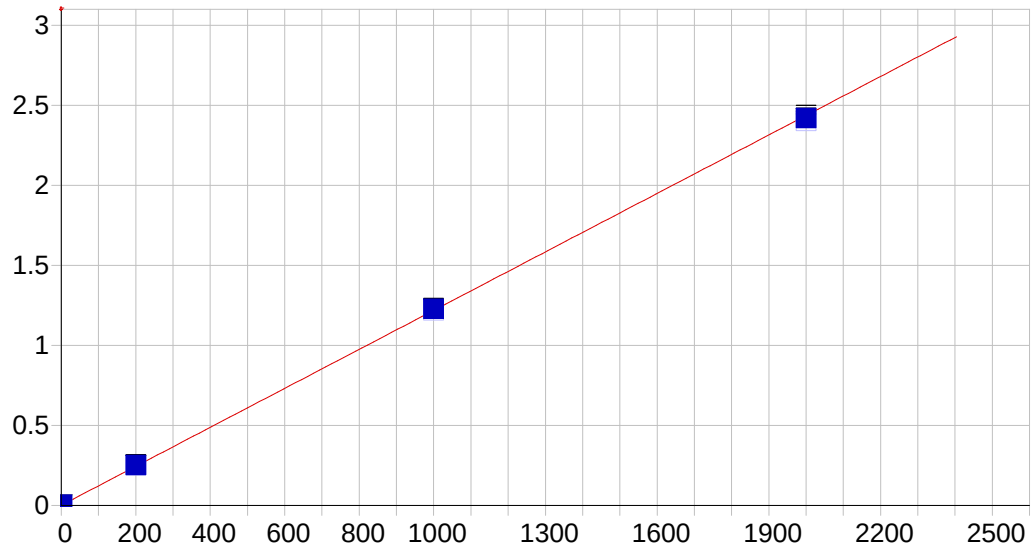


Ba 233.527 {445}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000698	Re-Slope:	1.000000
A1 (Gain):	0.000397	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999777	Status:	OK.
Std Error of Est:	0.000869		
Predicted MDL:	0.268367		
Predicted MQL:	0.894556		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02630	-.026	.000	.00069	.000	1
CAL2	200.00	214.45	14.5	7.23	.08591	.000	1
CAL3	2000.0	2115.8	116.	5.79	.84130	.001	1
CAL4	10000.	10157.	157.	1.57	4.0360	.006	1
CAL5	20000.	19713.	-287.	-1.44	7.8322	.018	1



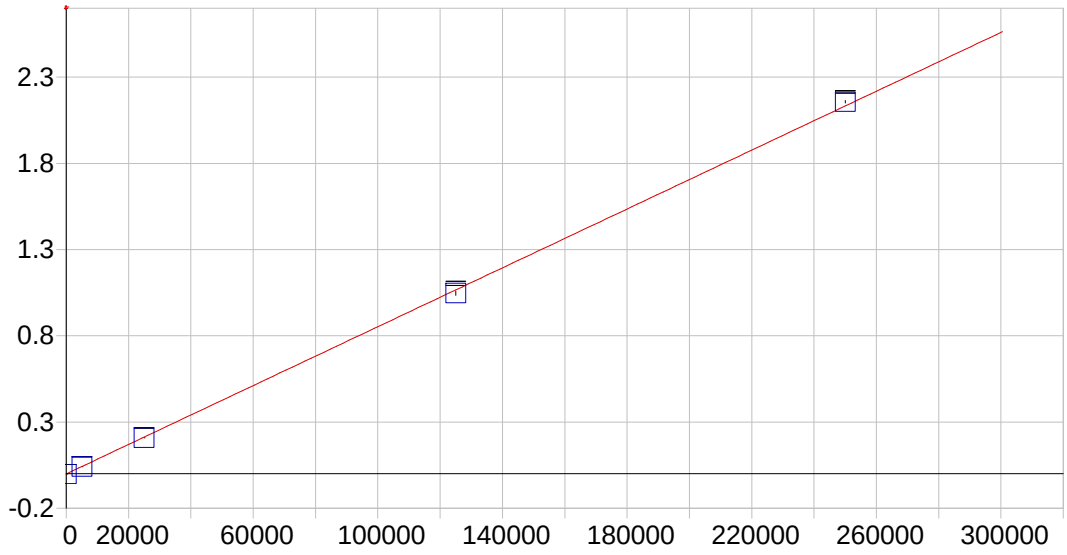
Be 313.042 {108}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000828	Re-Slope:	1.000000

A1 (Gain):	0.001218	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999942	Status:	OK.
Std Error of Est:	0.000042		
Predicted MDL:	0.203241		
Predicted MQL:	0.677470		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00014	-.000	.000	.00083	.000	1
CAL2	2.0000	2.0747	.075	3.74	.00334	.000	1
CAL3	200.00	206.54	6.54	3.27	.25059	.001	1
CAL4	1000.0	1007.2	7.19	.719	1.2186	.003	1
CAL5	2000.0	1986.2	-13.8	-.690	2.4020	.018	1

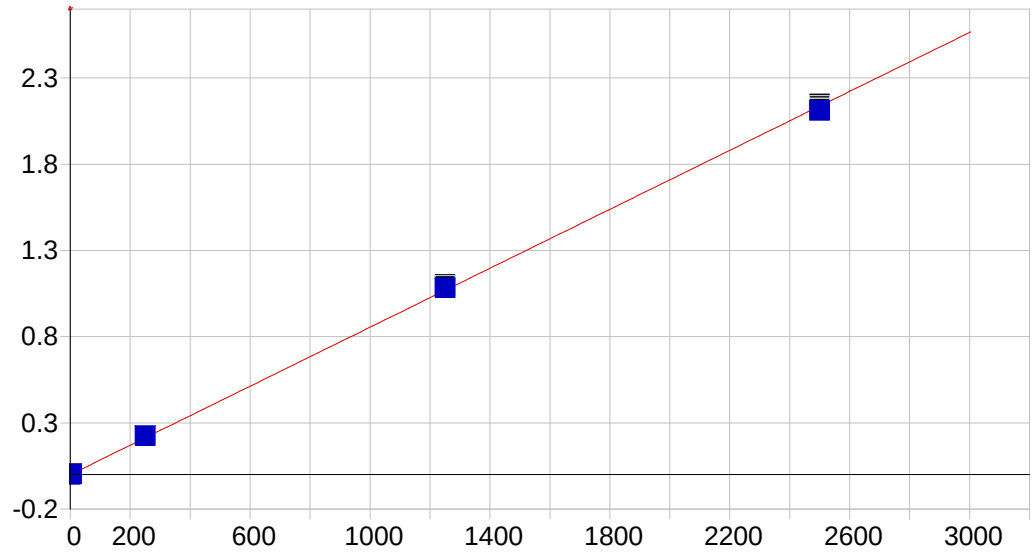


Ca 318.128 {106}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000675	Re-Slope:	1.000000
A1 (Gain):	0.000009	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999892	Status:	OK.
Std Error of Est:	0.000230		
Predicted MDL:	10.556815		
Predicted MQL:	35.189383		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.20833	.208	.000	-.00067	.000	1
CAL2	5000.0	4934.2	-65.8	-1.32	.04144	.000	1
CAL3	25000.	24454.	-546.	-2.18	.20804	.000	1
CAL4	125000.	122720.	-2280.	-1.82	1.0468	.012	1
CAL5	250000.	252890.	2890.	1.15	2.1577	.008	1

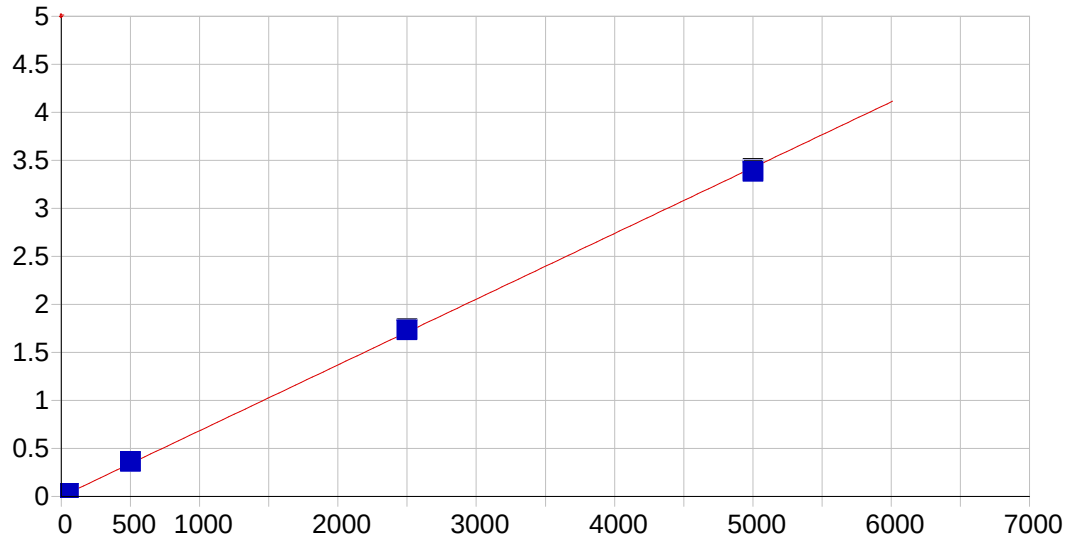


Cd 226.502 {449}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000183	Re-Slope:	1.000000
A1 (Gain):	0.000855	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999848	Status:	OK.
Std Error of Est:	0.000078		
Predicted MDL:	0.180734		
Predicted MQL:	0.602445		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00028	-.000	.000	-.00018	.000	1
CAL2	4.0000	4.0711	.071	1.78	.00332	.000	1
CAL3	250.00	262.79	12.8	5.12	.22750	.000	1
CAL4	1250.0	1267.2	17.2	1.37	1.0982	.003	1
CAL5	2500.0	2470.0	-30.0	-1.20	2.1415	.007	1



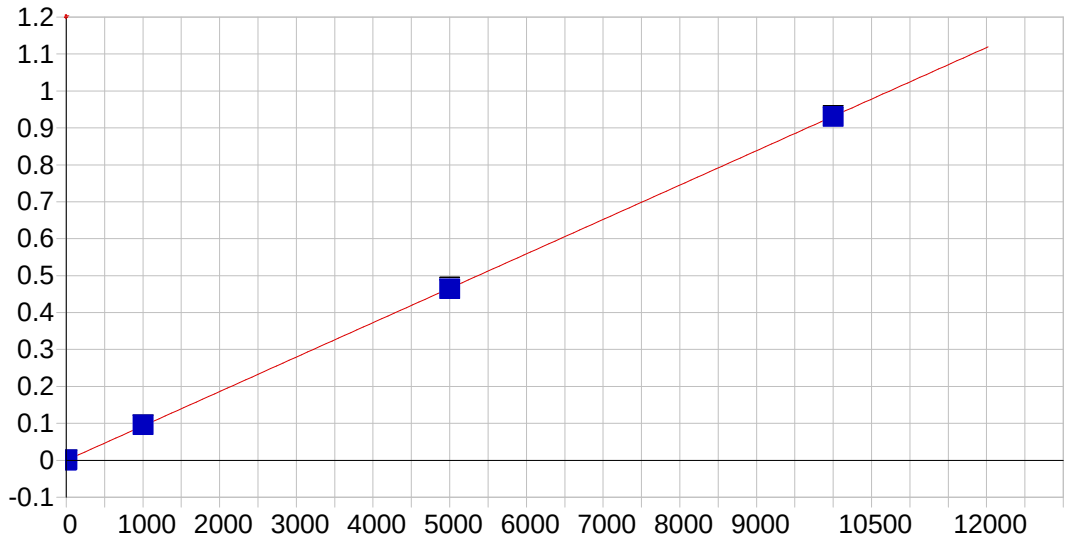
Co 228.616 {447}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000082	Re-Slope:	1.000000

A1 (Gain):	0.000685	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999818	Status:	OK.
Std Error of Est:	0.000340		
Predicted MDL:	0.298498		
Predicted MQL:	0.994995		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00607	-.006	.000	.00008	.000	1
CAL2	50.000	53.221	3.22	6.44	.03653	.000	1
CAL3	500.00	528.69	28.7	5.74	.36442	.000	1
CAL4	2500.0	2529.7	29.7	1.19	1.7439	.003	1
CAL5	5000.0	4938.4	-61.6	-1.23	3.4048	.008	1

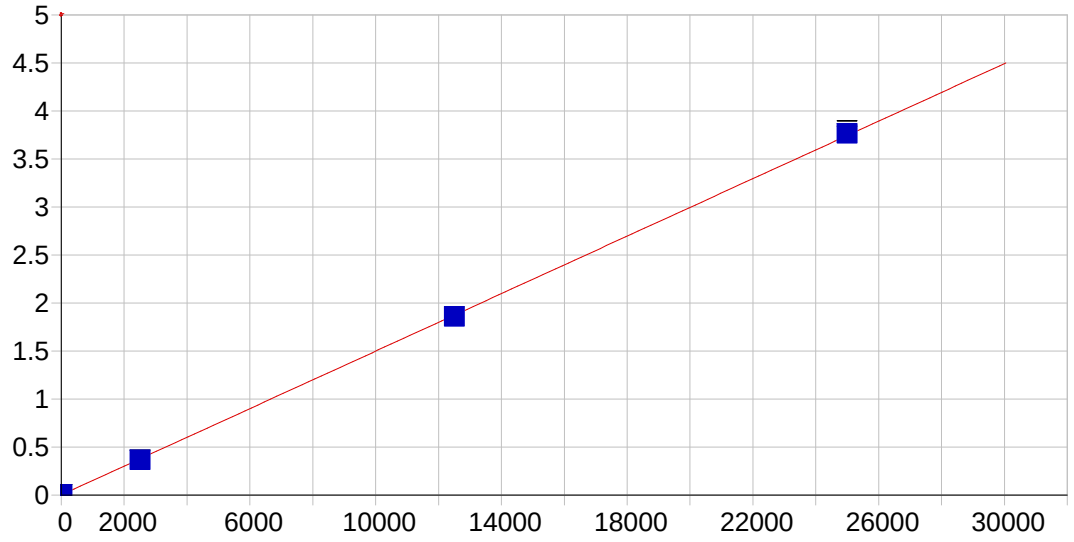


Cr 267.716 {126}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000025	Re-Slope:	1.000000
A1 (Gain):	0.000093	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000010		
Predicted MDL:	0.578947		
Predicted MQL:	1.929822		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00060	-.001	.000	.00003	.000	1
CAL2	10.000	10.395	.395	3.95	.00100	.000	1
CAL3	1000.0	1024.9	24.9	2.49	.09549	.000	1
CAL4	5000.0	4984.6	-15.4	-.307	.46434	.004	1
CAL5	10000.	9990.1	-9.89	-.099	.93059	.003	1

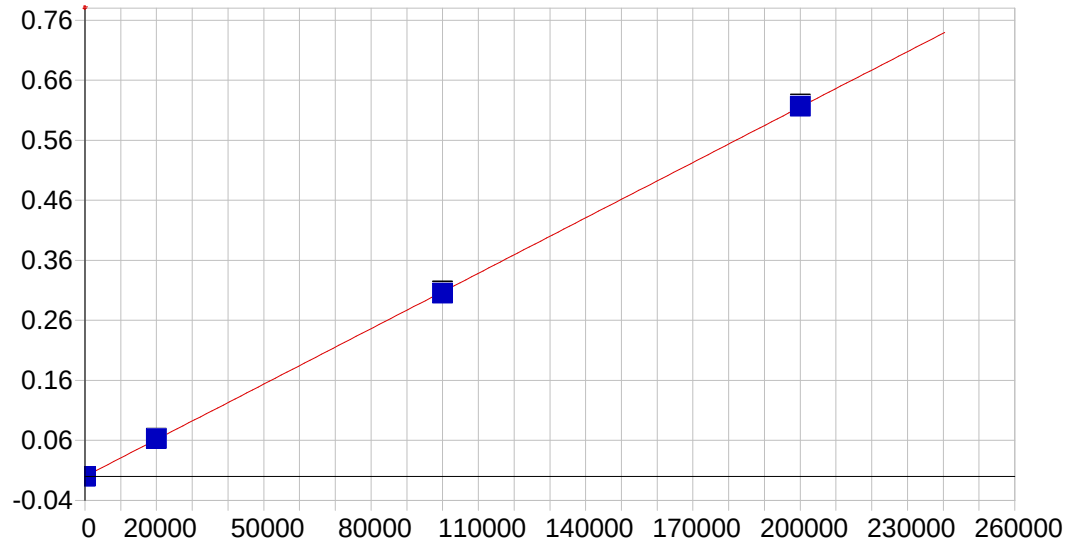


Cu 324.754 {104}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002597	Re-Slope:	1.000000
A1 (Gain):	0.000150	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999955	Status:	OK.
Std Error of Est:	0.000058		
Predicted MDL:	0.489533		
Predicted MQL:	1.631777		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00103	.001	.000	.00260	.000	1
CAL2	25.000	24.692	-.308	-1.23	.00629	.000	1
CAL3	2500.0	2429.8	-70.2	-2.81	.36603	.001	1
CAL4	12500.	12411.	-89.3	-.714	1.8589	.001	1
CAL5	25000.	25160.	160.	.639	3.7659	.029	1



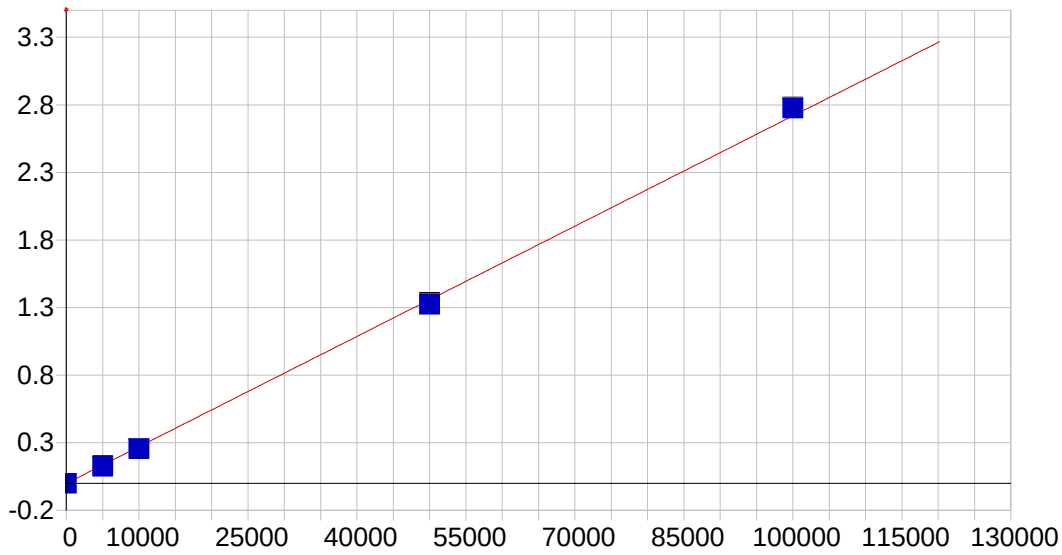
Fe 271.441 {124}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000018	Re-Slope:	1.000000

A1 (Gain):	0.000003	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999970	Status:	OK.
Std Error of Est:	0.000007		
Predicted MDL:	16.182386		
Predicted MQL:	53.941286		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01245	-.012	.000	.00002	.000	1
CAL2	150.00	159.81	9.81	6.54	.00053	.000	1
CAL3	20000.	20481.	481.	2.41	.06321	.000	1
CAL4	100000.	99197.	-803.	-.803	.30613	.002	1
CAL5	200000.	200310.	311.	.156	.61814	.002	1

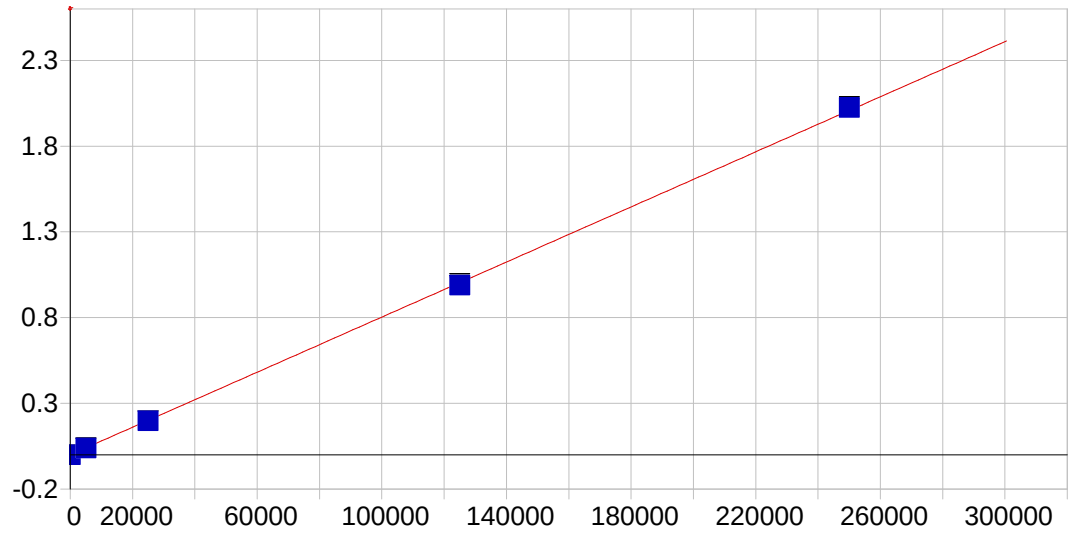


K 766.490 { 44}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001780	Re-Slope:	1.000000
A1 (Gain):	0.000027	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999617	Status:	OK.
Std Error of Est:	0.000882		
Predicted MDL:	40.959955		
Predicted MQL:	136.533183		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.61271	.613	.000	-.00176	.001	1
CAL2	5000.0	4680.1	-320.	-6.40	.12550	.001	1
CAL3	10000.	9452.4	-548.	-5.48	.25539	.001	1
CAL4	50000.	48752.	-1250.	-2.50	1.3246	.010	1
CAL5	100000.	102120.	2120.	2.12	2.7763	.005	1

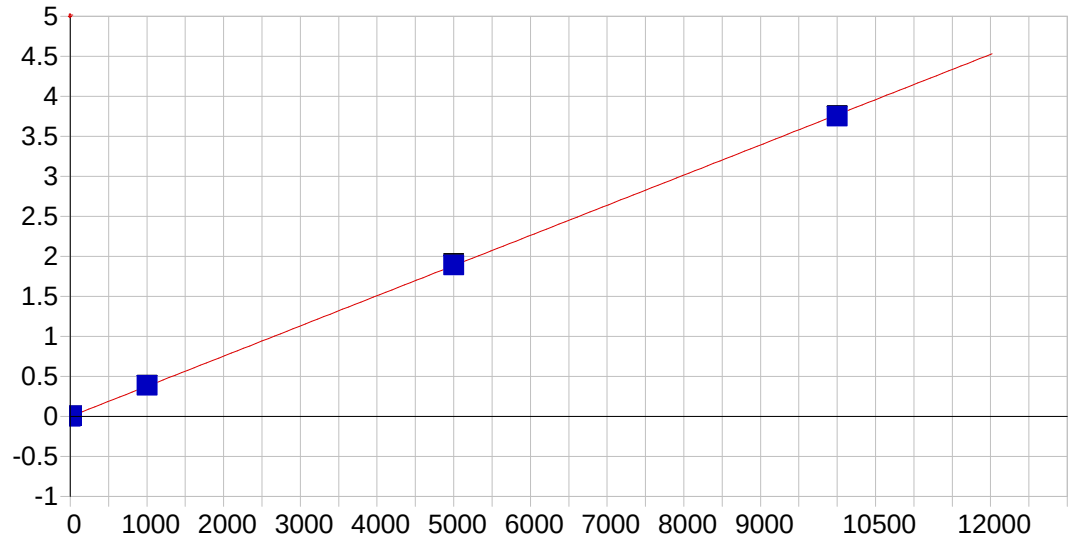


Mg 279.079 {121}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000024	Re-Slope:	1.000000
A1 (Gain):	0.000008	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999939	Status:	OK.
Std Error of Est:	0.000163		
Predicted MDL:	6.688702		
Predicted MQL:	22.295672		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.13319	.133	.000	-.00002	.000	1
CAL2	5000.0	4963.7	-36.3	-.726	.03984	.000	1
CAL3	25000.	24656.	-344.	-1.38	.19785	.001	1
CAL4	125000.	123210.	-1790.	-1.43	.98879	.010	1
CAL5	250000.	252170.	2170.	.867	2.0237	.005	1



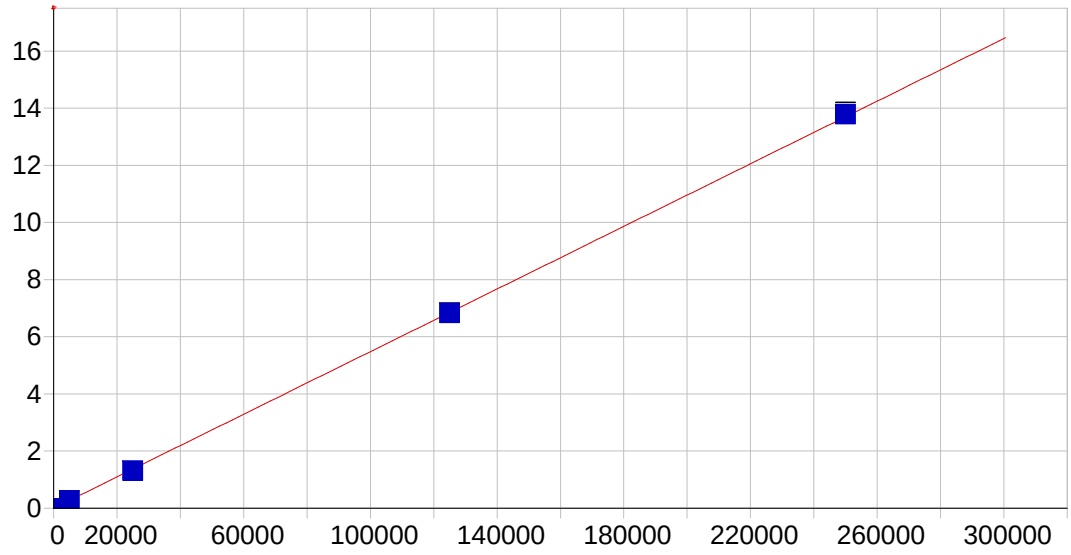
Mn 257.610 {131}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000005	Re-Slope:	1.000000

A1 (Gain):	0.000377		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999966		Status:	OK.	
Std Error of Est:	0.000062				
Predicted MDL:	0.112047				
Predicted MQL:	0.373491				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00155	-.002	.000	.00000	.000	1
CAL2	15.000	16.164	1.16	7.76	.00610	.000	1
CAL3	1000.0	1027.2	27.2	2.72	.38679	.001	1
CAL4	5000.0	5016.0	16.0	.321	1.8887	.016	1
CAL5	10000.	9955.6	-44.4	-.444	3.7485	.004	1

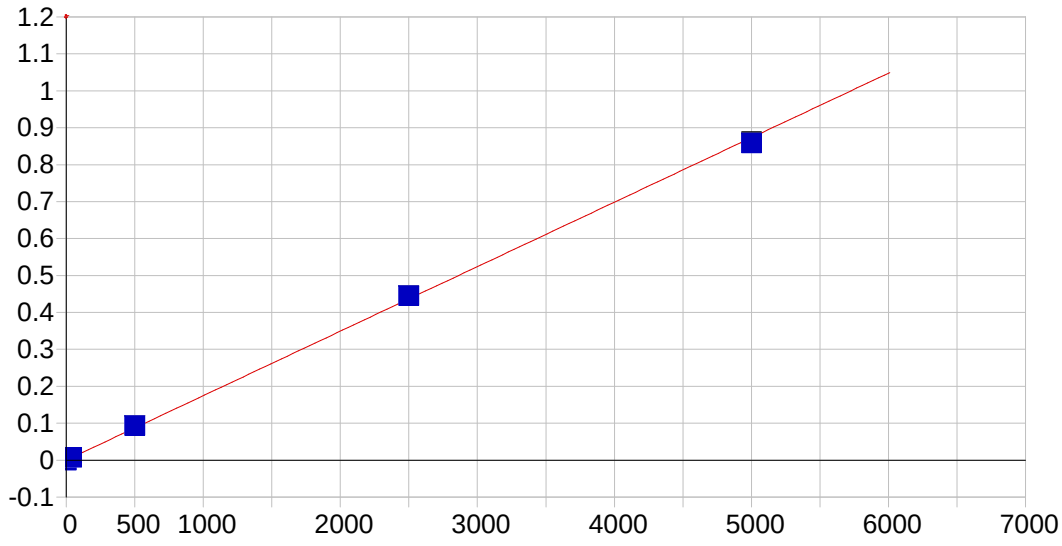


Na 589.592 { 57}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001690	Re-Slope:	1.000000
A1 (Gain):	0.000055	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999923	Status:	OK.
Std Error of Est:	0.001248		
Predicted MDL:	19.580917		
Predicted MQL:	65.269723		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.40738	.407	.000	.00171	.001	1
CAL2	5000.0	4778.0	-222.	-4.44	.26351	.003	1
CAL3	25000.	23985.	-1010.	-4.06	1.3164	.001	1
CAL4	125000.	124640.	-361.	-.288	6.8336	.010	1
CAL5	250000.	251600.	1600.	.639	13.793	.068	1

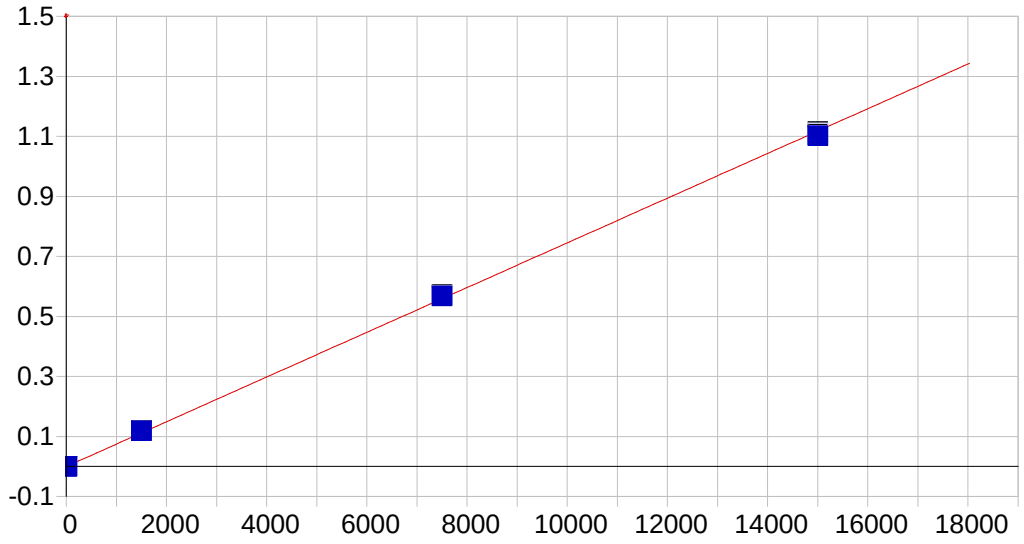


Ni 231.604 {446}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000009	Re-Slope:	1.000000
A1 (Gain):	0.000175	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999697	Status:	OK.
Std Error of Est:	0.000099		
Predicted MDL:	0.825506		
Predicted MQL:	2.751687		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00591	-.006	.000	-.00001	.000	1
CAL2	40.000	43.183	3.18	7.96	.00753	.000	1
CAL3	500.00	532.64	32.6	6.53	.09301	.000	1
CAL4	2500.0	2550.2	50.2	2.01	.44538	.001	1
CAL5	5000.0	4914.0	-86.0	-1.72	.85820	.003	1



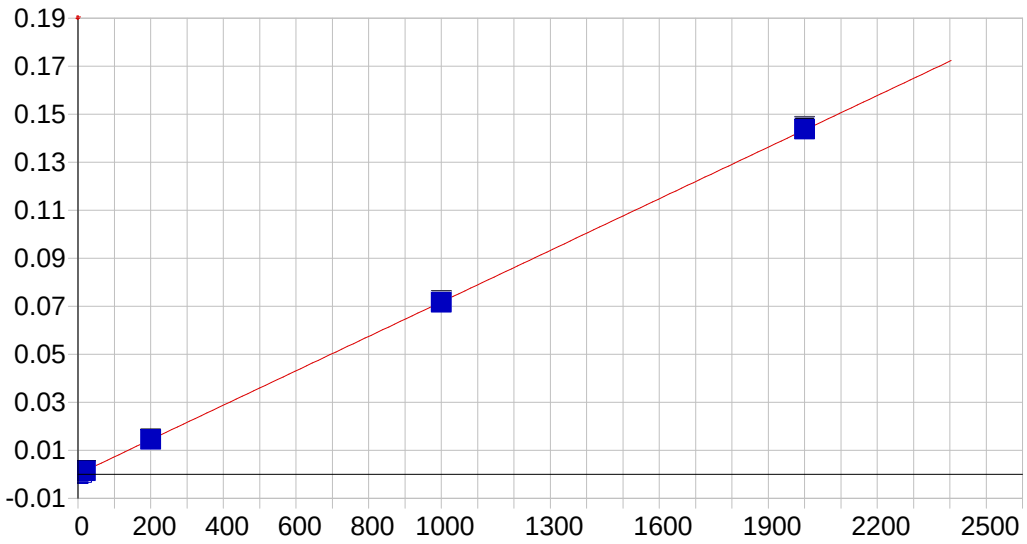
Pb 220.353 {453}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000073	Re-Slope:	1.000000

A1 (Gain):	0.000075	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999800	Status:	OK.
Std Error of Est:	0.000020		
Predicted MDL:	2.602405		
Predicted MQL:	8.674683		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00000	.000	.000	-.00007	.000	1
CAL2	10.000	10.499	.499	4.99	.00072	.000	1
CAL3	1500.0	1588.0	88.0	5.86	.11907	.000	1
CAL4	7500.0	7614.8	115.	1.53	.57143	.001	1
CAL5	15000.	14797.	-203.	-1.35	1.1107	.004	1
CAL1	5.0000	4.4465	-.553	-11.1	.00026	.000	1

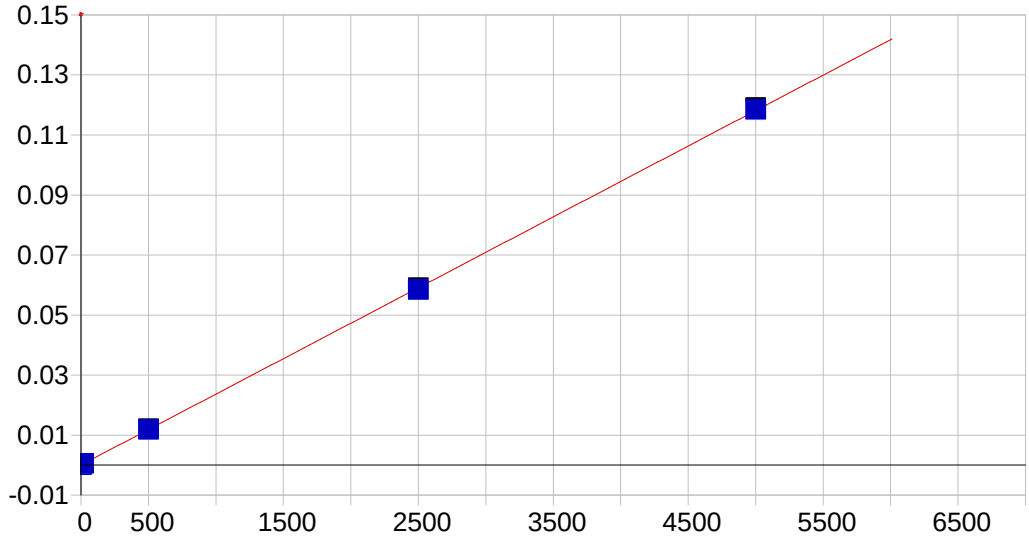


Sb 206.833 {463}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000106	Re-Slope:	1.000000
A1 (Gain):	0.000072	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999955	Status:	OK.
Std Error of Est:	0.000005		
Predicted MDL:	1.935758		
Predicted MQL:	6.452525		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00203	.002	.000	.00011	.000	1
CAL2	20.000	18.578	-1.42	-7.11	.00138	.000	1
CAL3	200.00	200.68	.677	.339	.01458	.000	1
CAL4	1000.0	998.26	-1.74	-.174	.07213	.000	1
CAL5	2000.0	2003.8	3.75	.188	.14467	.000	1
CAL1	10.000	8.6479	-1.35	-13.5	.00073	.000	1

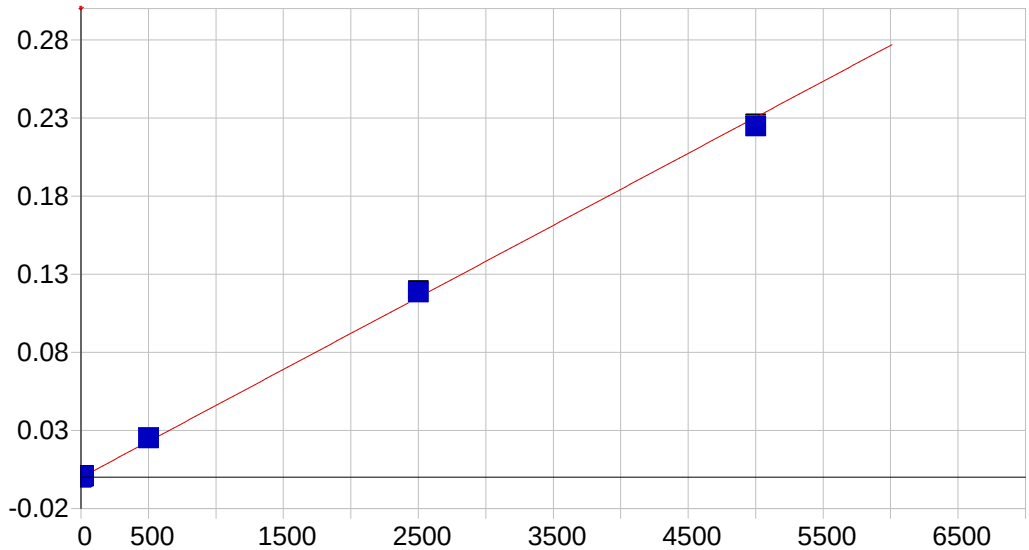


Se 196.090 {472}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000028	Re-Slope:	1.000000
A1 (Gain):	0.000024	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999885	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	4.860076		
Predicted MQL:	16.200252		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00307	-.003	.000	.00003	.000	1
CAL2	20.000	22.925	2.92	14.6	.00057	.000	1
CAL3	500.00	500.55	.552	.110	.01183	.000	1
CAL4	2500.0	2476.2	-23.8	-.950	.05840	.000	1
CAL5	5000.0	5017.9	17.9	.358	.11831	.001	1
CAL1	5.0000	7.3674	2.37	47.3	.00020	.000	1

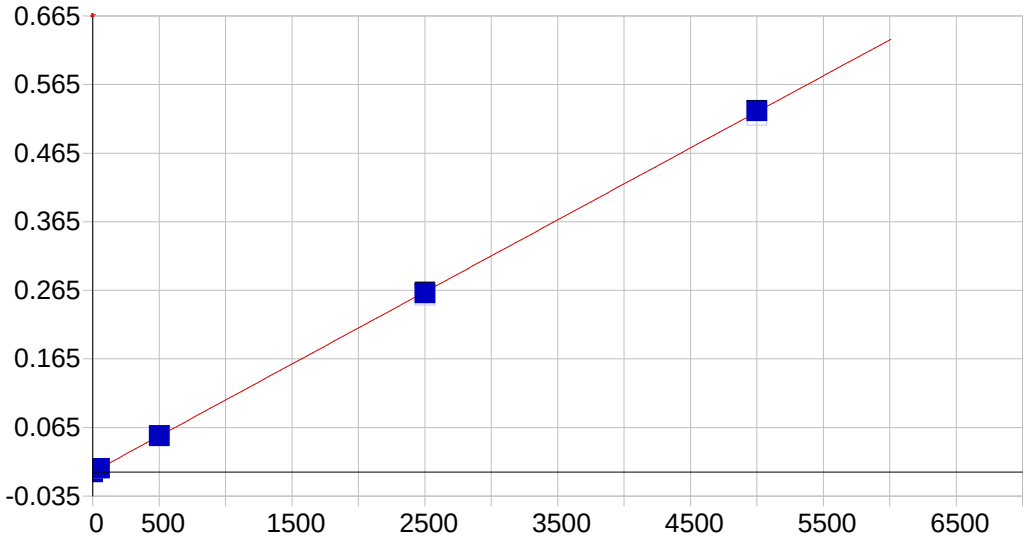


Tl 190.856 {477}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000119	Re-Slope:	1.000000
A1 (Gain):	0.000046	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999378	Status:	OK.
Std Error of Est:	0.000018		
Predicted MDL:	2.900480		
Predicted MQL:	9.668265		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00051	.001	.000	-.00012	.000	1
CAL2	20.000	18.984	-1.02	-5.08	.00075	.000	1
CAL3	500.00	548.40	48.4	9.68	.02512	.000	1
CAL4	2500.0	2574.4	74.4	2.98	.11835	.001	1
CAL5	5000.0	4879.3	-121.	-2.41	.22439	.001	1
CAL1	10.000	8.9780	-1.02	-10.2	.00029	.000	1

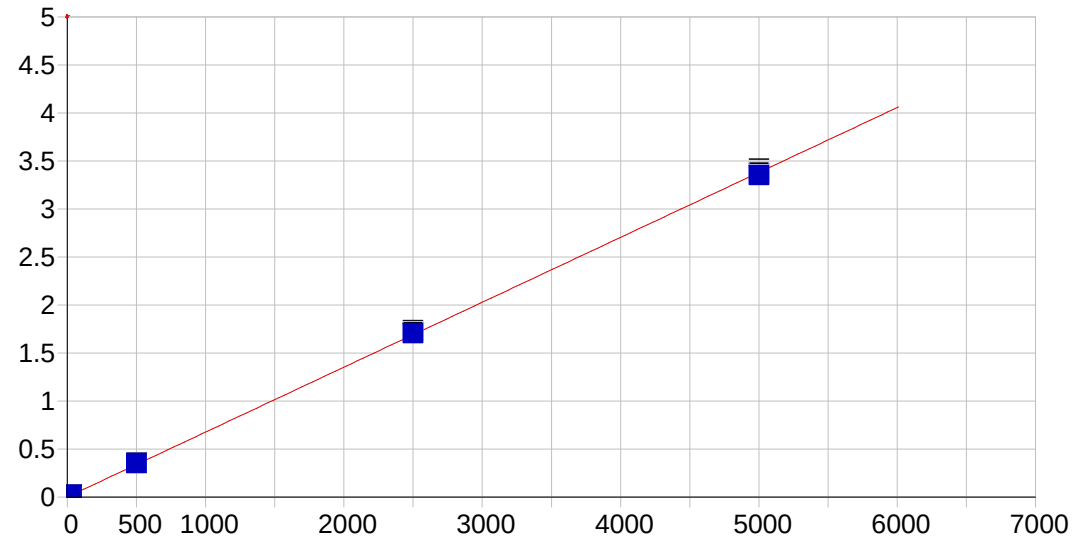


V 292.402 {115}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000047	Re-Slope:	1.000000
A1 (Gain):	0.000105	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000013		
Predicted MDL:	0.600249		
Predicted MQL:	2.000829		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00114	-.001	.000	.00005	.000	1
CAL2	50.000	51.052	1.05	2.10	.00538	.000	1
CAL3	500.00	503.00	3.00	.599	.05221	.000	1
CAL4	2500.0	2482.6	-17.4	-.697	.25745	.002	1
CAL5	5000.0	5013.4	13.4	.267	.51992	.001	1

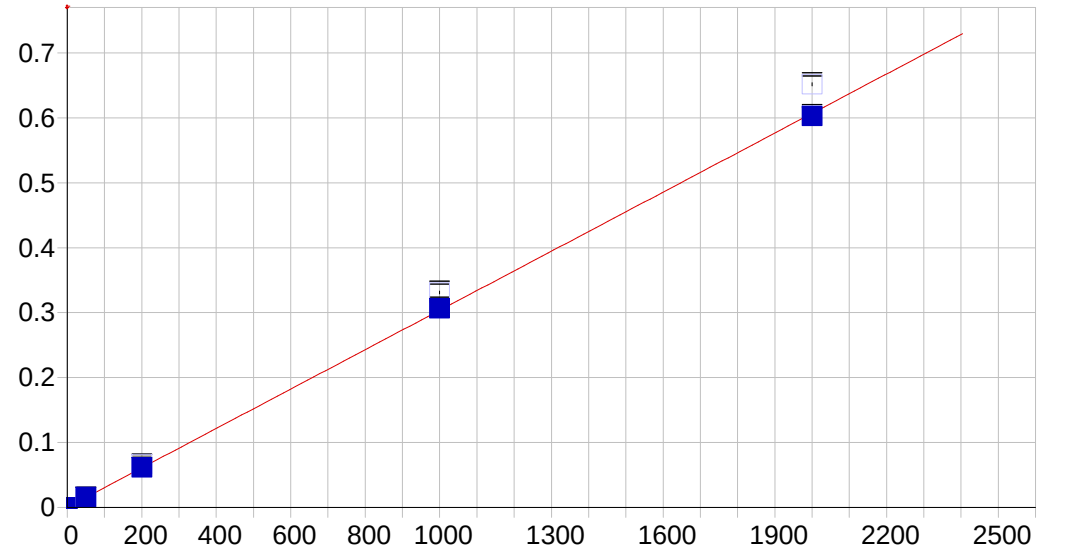


Zn 206.200 {463}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001199	Re-Slope:	1.000000
A1 (Gain):	0.000676	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999913	Status:	OK.
Std Error of Est:	0.000181		
Predicted MDL:	0.220554		
Predicted MQL:	0.735180		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00304	-.003	.000	.00120	.000	1
CAL2	30.000	31.861	1.86	6.20	.02275	.000	1
CAL3	500.00	519.74	19.7	3.95	.35665	.002	1
CAL4	2500.0	2521.0	21.0	.839	1.7259	.010	1
CAL5	5000.0	4957.4	-42.6	-.851	3.3935	.022	1



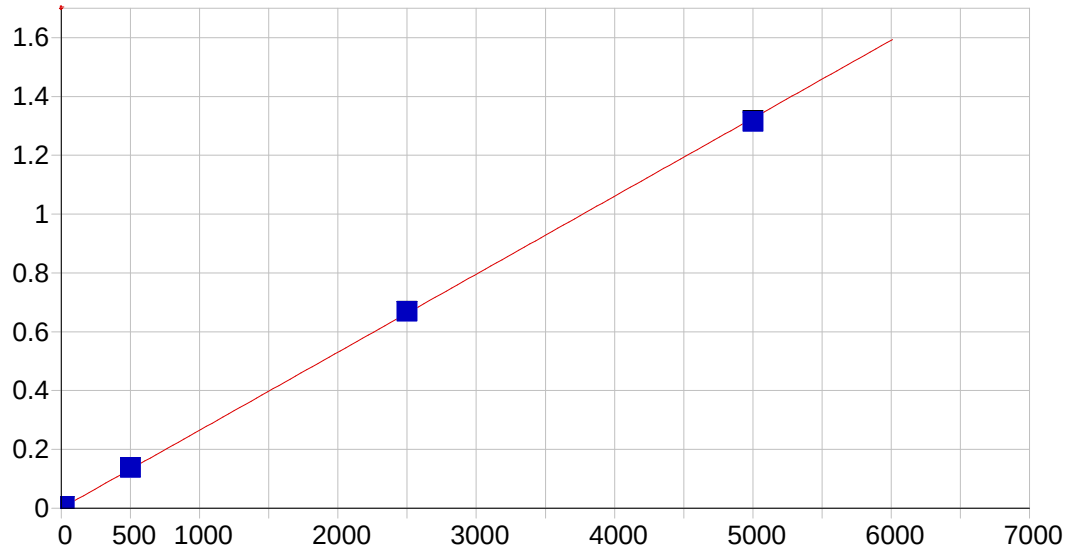
B 208.959 {461}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000351	Re-Slope:	1.000000

A1 (Gain):	0.000303	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999965	Status:	OK.
Std Error of Est:	0.000045		
Predicted MDL:	0.522619		
Predicted MQL:	1.742063		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00237	-.002	.000	.00035	.000	1
CAL2	50.000	51.614	1.61	3.23	.01620	.000	1
CAL3	200.00	202.49	2.49	1.24	.06665	.000	1
CAL4	1000.0	1009.5	9.47	.947	.33093	.002	1
CAL5	2000.0	1986.5	-13.5	-.673	.65168	.002	1

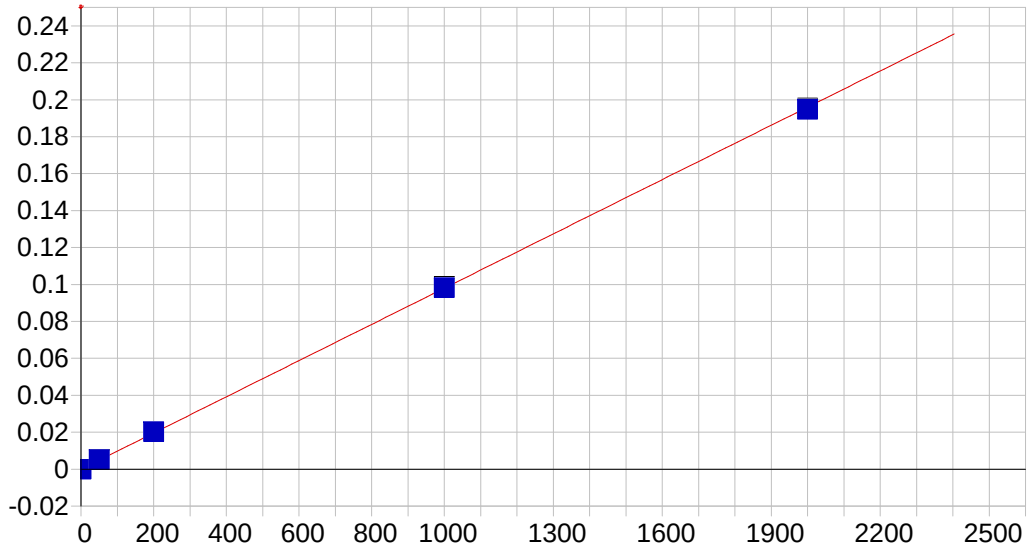


Mo 202.030 {467}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000095	Re-Slope:	1.000000
A1 (Gain):	0.000265	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999920	Status:	OK.
Std Error of Est:	0.000055		
Predicted MDL:	0.415413		
Predicted MQL:	1.384710		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00125	-.001	.000	.00010	.000	1
CAL2	20.000	20.482	.482	2.41	.00553	.000	1
CAL3	500.00	518.86	18.9	3.77	.13765	.000	1
CAL4	2500.0	2522.8	22.8	.912	.66891	.001	1
CAL5	5000.0	4957.9	-42.1	-.843	1.3145	.003	1

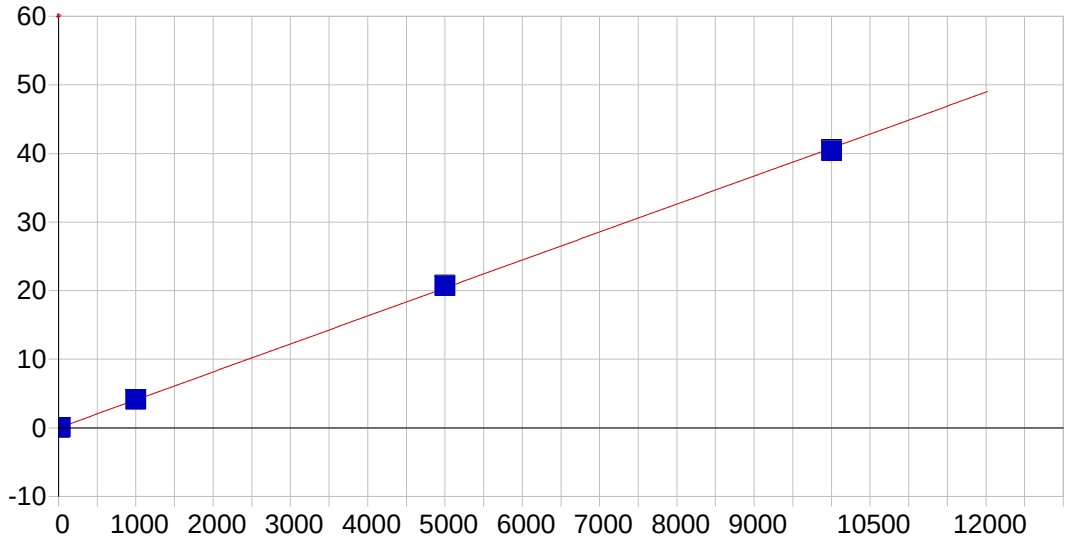


Sn 189.989 {477}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000045	Re-Slope:	1.000000
A1 (Gain):	0.000098	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	1.151971		
Predicted MQL:	3.839902		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00391	-.004	.000	-.00005	.000	1
CAL2	50.000	52.215	2.22	4.43	.00507	.000	1
CAL3	200.00	207.48	7.48	3.74	.02032	.000	1
CAL4	1000.0	1002.5	2.49	.249	.09834	.000	1
CAL5	2000.0	1987.8	-12.2	-.609	.19505	.000	1



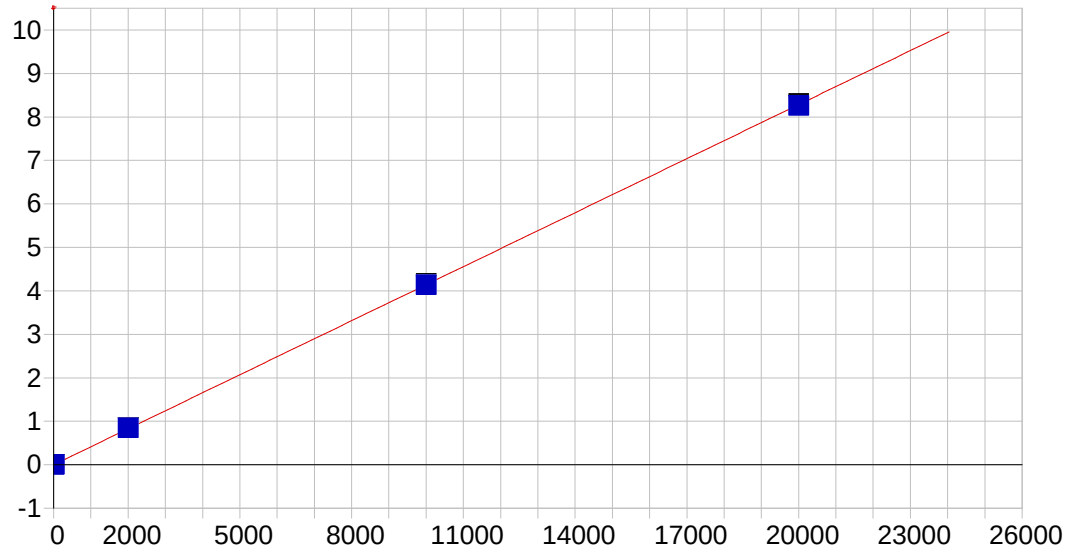
Sr 407.771 { 83}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003204	Re-Slope:	1.000000

A1 (Gain):	0.004079	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999923	Status:	OK.
Std Error of Est:	0.001169		
Predicted MDL:	0.121602		
Predicted MQL:	0.405341		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00141	-.001	.000	-.00321	.000	1
CAL2	20.000	20.929	.929	4.64	.08228	.001	1
CAL3	1000.0	1018.5	18.5	1.85	4.1534	.007	1
CAL4	5000.0	5076.3	76.3	1.53	20.713	.068	1
CAL5	10000.	9904.2	-95.8	-.958	40.416	.152	1

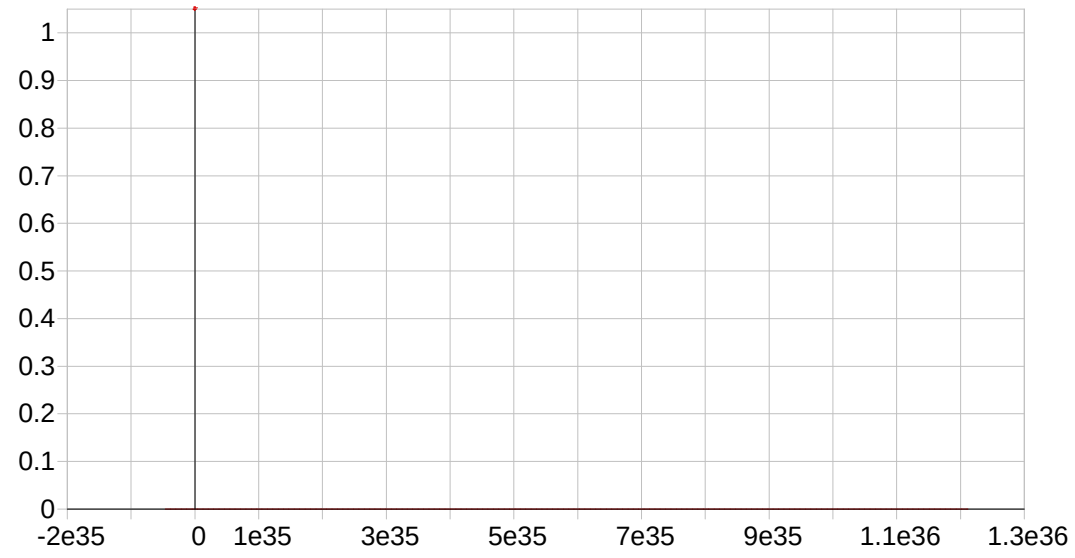


Ti 334.941 {101}

Date of Fit:	8/22/2016 10:25:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000013	Re-Slope:	1.000000
A1 (Gain):	0.000414	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999974	Status:	OK.
Std Error of Est:	0.000097		
Predicted MDL:	0.223881		
Predicted MQL:	0.746270		

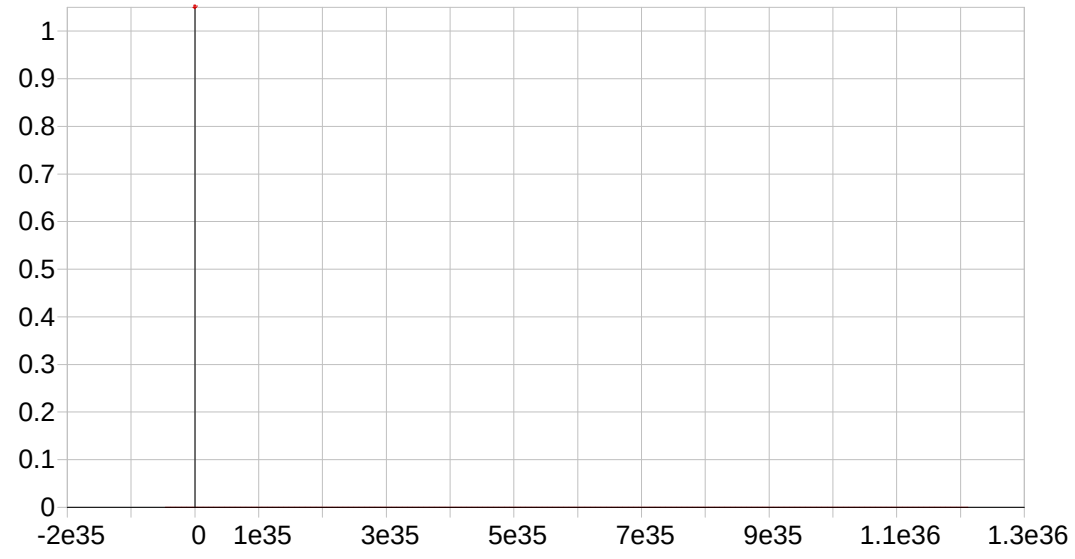
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00158	-.002	.000	-.00001	.000	1
CAL2	20.000	21.098	1.10	5.49	.00873	.000	1
CAL3	2000.0	2053.3	53.3	2.67	.85047	.001	1
CAL4	10000.	10001.	.531	.005	4.1422	.016	1
CAL5	20000.	19945.	-55.0	-.275	8.2612	.039	1



Y 224.306 {450}*

Date of Fit:	8/21/2016 10:08:32	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	183.492520				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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

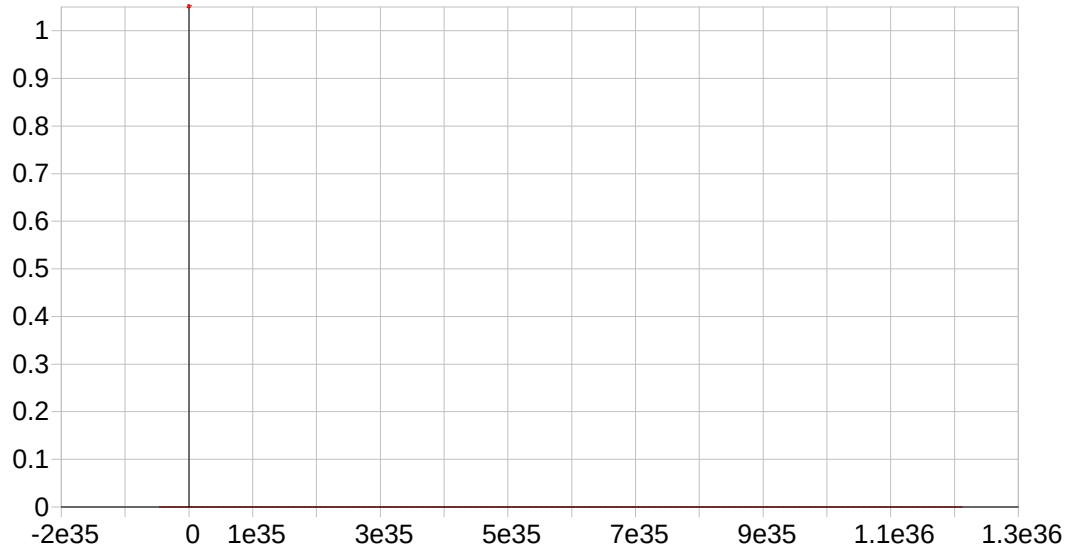


Y 360.073 { 94}*

Date of Fit:	8/21/2016 10:08:32	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				

Predicted MDL: n/a
Predicted MQL: n/a

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

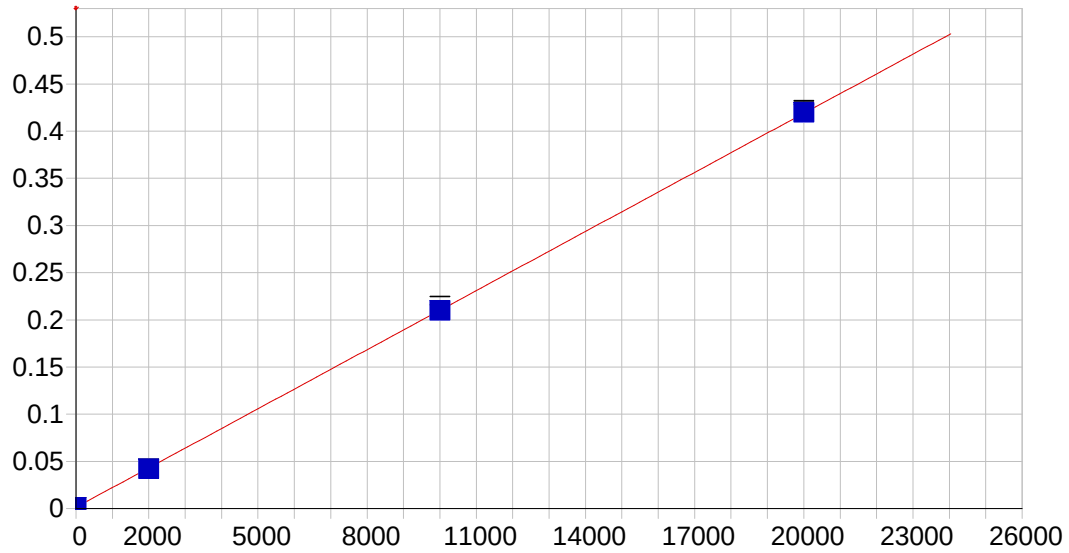


Y 371.030 { 91}*

Date of Fit: 8/21/2016 10:08:32 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.000000 Status: Warning Zero Gain
Std Error of Est: 192.759705
Predicted MDL: n/a
Predicted MQL: n/a

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



Si 288.158 {117}

Date of Fit: 8/22/2016 10:25:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.001339	Re-Slope:	1.000000
A1 (Gain):	0.000021	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999976	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	18.617923		
Predicted MQL:	62.059743		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.04768	.048	.000	.00134	.000	1
CAL5	20000.	20058.	58.4	.292	.41954	.002	1
CAL3	2000.0	1947.7	-52.3	-2.61	.04195	.000	1
CAL4	10000.	9993.9	-6.13	-.061	.20970	.004	1

Sample Name: ICIS Cal Blk Acquired: 8/22/2016 10:02:22 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0001**	**-.0000**	**.0007**	**.0008**	**-.0007**
Stddev	.0002	.0000	.0001	.0001	.0003	.0001
%RSD	91.45	19.31	201.0	10.58	32.31	9.242
#1	-.0001	-.0001	-.0001	.0007	.0009	-.0007
#2	-.0001	-.0001	.0000	.0006	.0010	-.0006
#3	-.0005	-.0001	-.0001	.0008	.0005	-.0007

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0001**	**.0000**	**.0026**	**.0000**	**-.0018**
Stddev	.0002	.0001	.0000	.0001	.0000	.0008
%RSD	91.17	66.92	186.7	3.240	220.3	46.41
#1	-.0002	.0001	.0000	.0027	.0000	-.0008
#2	-.0000	.0001	.0001	.0026	-.0000	-.0020
#3	-.0004	.0000	-.0000	.0025	.0001	-.0024

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**.0000**	**.0017**	**-.0000**	**-.0001**	**.0001**
Stddev	.0000	.0000	.0007	.0000	.0001	.0001
%RSD	171.1	1136.	43.18	225.3	153.5	113.5
#1	-.0001	-.0000	.0010	.0000	-.0002	.0000
#2	-.0000	.0001	.0016	.0000	.0000	.0002
#3	.0000	-.0000	.0025	-.0000	-.0001	.0000

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0001**	**.0000**	**.0012**	**.0004**	**.0001**
Stddev	.0000	.0000	.0000	.0001	.0002	.0000
%RSD	136.7	22.58	104.8	10.58	42.95	49.46
#1	.0001	-.0001	.0000	.0013	.0005	.0001
#2	.0000	-.0001	.0000	.0011	.0003	.0000
#3	-.0000	-.0001	.0001	.0012	.0003	.0001

Sample Name: ICIS Cal Blk Acquired: 8/22/2016 10:02:22 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**-.0032**	**-.0000**	**.0013**
Stddev	.0001	.0002	.0000	.0003
%RSD	131.0	5.013	155.3	19.45
#1	.0000	-.0032	.0000	.0012
#2	-.0001	-.0030	-.0000	.0016
#3	-.0001	-.0034	-.0000	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.8**	**42533.**	**7014.7**
Stddev	5.1	481.	172.2
%RSD	.12602	1.1318	2.4555
#1	4072.1	41982.	6989.0
#2	4079.5	42869.	7198.3
#3	4081.9	42749.	6856.7

Sample Name: CAL1 Acquired: 8/22/2016 10:06:23 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**.0003**	**.0007**	**.0002**	**.0003**
Stddev	.0001	.0001	.0001	.0002	.0000
%RSD	44.93	56.40	19.99	83.34	16.15
#1	.0003	.0002	.0006	.0003	.0003
#2	.0003	.0001	.0008	.0000	.0003
#3	.0001	.0004	.0008	.0003	.0003

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	**4130.3**
Stddev	7.2
%RSD	.17482
#1	4133.6
#2	4122.1
#3	4135.3

Sample Name: CAL2 Acquired: 8/22/2016 10:10:26 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0042**	**.0007**	**.0009**	**.0859**	**.0033**	**.0414**
Stddev	.0002	.0000	.0000	.0002	.0002	.0001
%RSD	5.179	2.044	3.346	.1912	5.069	.3012
#1	.0041	.0007	.0009	.0860	.0032	.0416
#2	.0040	.0006	.0010	.0860	.0033	.0413
#3	.0044	.0007	.0009	.0857	.0035	.0414

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0033**	**.0365**	**.0010**	**.0063**	**.0005**	**.1255**
Stddev	.0001	.0001	.0000	.0000	.0000	.0009
%RSD	2.735	.3683	4.512	.1658	8.522	.6778
#1	.0034	.0367	.0010	.0063	.0006	.1246
#2	.0032	.0364	.0010	.0063	.0005	.1257
#3	.0033	.0365	.0010	.0063	.0005	.1263

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0398**	**.0061**	**.2635**	**.0075**	**.0007**	**.0014**
Stddev	.0001	.0000	.0027	.0003	.0002	.0000
%RSD	.3745	.3437	1.023	3.334	24.70	2.104
#1	.0400	.0061	.2611	.0073	.0005	.0014
#2	.0397	.0061	.2629	.0075	.0008	.0014
#3	.0398	.0061	.2664	.0078	.0008	.0013

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0006**	**.0008**	**.0054**	**.0228**	**.0162**	**.0055**
Stddev	.0001	.0002	.0001	.0002	.0002	.0001
%RSD	12.93	26.14	1.195	.9532	1.206	1.020
#1	.0005	.0008	.0054	.0229	.0161	.0055
#2	.0006	.0009	.0053	.0225	.0161	.0055
#3	.0006	.0005	.0054	.0229	.0164	.0056

Sample Name: CAL2 Acquired: 8/22/2016 10:10:26 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	**.0051**	**.0823**	**.0087**
Stddev	.0001	.0010	.0000
%RSD	1.311	1.162	.5689
#1	.0050	.0812	.0088
#2	.0050	.0829	.0087
#3	.0051	.0828	.0087

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4106.3**	**42830.**	**7054.6**
Stddev	7.6	79.	131.6
%RSD	.18460	.18421	1.8653
#1	4114.9	42739.	6912.7
#2	4100.6	42870.	7078.7
#3	4103.5	42881.	7172.5

Sample Name: CAL3 Acquired: 8/22/2016 10:14:25 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.5039**	**.0239**	**.0233**	**.8413**	**.2506**	**.2080**
Stddev	.0005	.0001	.0001	.0014	.0007	.0004
%RSD	.0940	.4206	.3237	.1684	.2653	.2097
#1	.5033	.0238	.0232	.8416	.2508	.2075
#2	.5041	.0240	.0234	.8425	.2511	.2084
#3	.5042	.0238	.0233	.8397	.2498	.2082

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2275**	**.3644**	**.0955**	**.3660**	**.0632**	**.2554**
Stddev	.0004	.0001	.0002	.0015	.0002	.0010
%RSD	.1590	.0188	.1714	.4025	.3416	.3967
#1	.2275	.3643	.0953	.3669	.0630	.2548
#2	.2279	.3645	.0957	.3668	.0633	.2548
#3	.2271	.3645	.0955	.3643	.0634	.2566

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1978**	**.3868**	**1.316**	**.0930**	**.1191**	**.0146**
Stddev	.0006	.0007	.001	.0001	.0002	.0001
%RSD	.3059	.1896	.1074	.0635	.1748	.6503
#1	.1974	.3860	1.315	.0930	.1188	.0145
#2	.1985	.3871	1.318	.0931	.1192	.0146
#3	.1976	.3873	1.317	.0930	.1192	.0147

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0118**	**.0251**	**.0522**	**.3566**	**.0666**	**.1377**
Stddev	.0001	.0002	.0001	.0022	.0004	.0005
%RSD	1.057	.9872	.1072	.6078	.6245	.3330
#1	.0117	.0249	.0521	.3544	.0669	.1373
#2	.0119	.0254	.0522	.3567	.0669	.1382
#3	.0118	.0251	.0522	.3588	.0662	.1375

Sample Name: CAL3 Acquired: 8/22/2016 10:14:25 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0203**	**4.153**	**.8505**	**.0419**
Stddev	.0001	.007	.0014	.0004
%RSD	.3121	.1709	.1627	.8824
#1	.0204	4.148	.8511	.0424
#2	.0203	4.161	.8514	.0417
#3	.0203	4.151	.8489	.0418

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4073.1**	**42171.**	**6955.1**
Stddev	12.2	61.	19.1
%RSD	.29965	.14401	.27481
#1	4064.1	42109.	6933.6
#2	4068.3	42174.	6961.3
#3	4087.0	42231.	6970.3

Sample Name: CAL4 Acquired: 8/22/2016 10:18:09 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.527**	**.1206**	**.1191**	**4.036**	**1.219**	**1.047**
Stddev	.012	.0004	.0005	.006	.004	.012
%RSD	.4534	.3122	.4572	.1575	.2853	1.099
#1	2.518	.1202	.1186	4.029	1.219	1.034
#2	2.522	.1206	.1190	4.039	1.215	1.049
#3	2.540	.1209	.1197	4.041	1.222	1.057

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.098**	**1.744**	**.4643**	**1.859**	**.3061**	**1.325**
Stddev	.003	.003	.0041	.001	.0023	.010
%RSD	.3094	.1491	.8895	.0337	.7619	.7864
#1	1.094	1.741	.4597	1.860	.3036	1.316
#2	1.099	1.746	.4656	1.858	.3065	1.321
#3	1.101	1.745	.4677	1.859	.3083	1.336

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.9888**	**1.889**	**6.834**	**.4454**	**.5714**	**.0721**
Stddev	.0097	.016	.010	.0007	.0014	.0003
%RSD	.9849	.8509	.1444	.1621	.2487	.4033
#1	.9783	1.871	6.827	.4446	.5699	.0718
#2	.9904	1.892	6.829	.4455	.5718	.0724
#3	.9976	1.903	6.845	.4460	.5727	.0721

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0584**	**.1183**	**.2575**	**1.726**	**.3309**	**.6689**
Stddev	.0005	.0007	.0017	.010	.0021	.0007
%RSD	.8499	.6167	.6415	.5892	.6248	.0991
#1	.0584	.1175	.2556	1.719	.3293	.6682
#2	.0589	.1188	.2580	1.721	.3332	.6695
#3	.0579	.1187	.2588	1.738	.3303	.6690

Sample Name: CAL4 Acquired: 8/22/2016 10:18:09 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0983**	**20.71**	**4.142**	**.2097**
Stddev	.0005	.07	.016	.0045
%RSD	.4984	.3267	.3921	2.140
#1	.0979	20.64	4.124	.2080
#2	.0989	20.76	4.147	.2148
#3	.0983	20.74	4.155	.2063

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3966.7**	**41291.**	**6911.0**
Stddev	11.3	77.	132.7
%RSD	.28522	.18685	1.9202
#1	3959.5	41286.	6890.5
#2	3960.9	41371.	7052.8
#3	3979.8	41216.	6789.8

Sample Name: CAL5 Acquired: 8/22/2016 10:21:45 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.115**	**.2440**	**.2485**	**7.832**	**2.402**	**2.158**
Stddev	.032	.0006	.0011	.018	.018	.008
%RSD	.6344	.2306	.4519	.2342	.7304	.3767
#1	5.153	.2440	.2473	7.851	2.422	2.159
#2	5.100	.2446	.2495	7.814	2.392	2.149
#3	5.093	.2435	.2487	7.832	2.392	2.165

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.142**	**3.405**	**.9306**	**3.766**	**.6181**	**2.776**
Stddev	.007	.008	.0025	.029	.0021	.005
%RSD	.3408	.2389	.2702	.7640	.3451	.1977
#1	2.150	3.413	.9304	3.746	.6166	2.783
#2	2.136	3.397	.9282	3.799	.6173	2.772
#3	2.139	3.404	.9332	3.752	.6206	2.774

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.024**	**3.748**	**13.79**	**.8582**	**1.111**	**.1447**
Stddev	.005	.004	.07	.0026	.004	.0003
%RSD	.2627	.1098	.4946	.2981	.3589	.1772
#1	2.028	3.753	13.87	.8611	1.115	.1449
#2	2.018	3.744	13.76	.8561	1.107	.1447
#3	2.026	3.749	13.74	.8574	1.110	.1444

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1183**	**.2244**	**.5199**	**3.393**	**.6517**	**1.314**
Stddev	.0006	.0013	.0010	.022	.0023	.003
%RSD	.4970	.5653	.1912	.6412	.3560	.2424
#1	.1178	.2258	.5188	3.406	.6507	1.317
#2	.1190	.2236	.5207	3.368	.6543	1.315
#3	.1182	.2238	.5203	3.407	.6500	1.311

Sample Name: CAL5 Acquired: 8/22/2016 10:21:45 Type: Cal
Method: BC08162016(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1951**	**40.42**	**8.261**	**.4195**
Stddev	.0004	.15	.039	.0018
%RSD	.2071	.3768	.4738	.4199
#1	.1947	40.55	8.216	.4189
#2	.1950	40.25	8.278	.4215
#3	.1955	40.45	8.289	.4182

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3854.0**	**39440.**	**6729.2**
Stddev	10.8	148.	109.8
%RSD	.28007	.37494	1.6318
#1	3841.5	39302.	6606.4
#2	3859.6	39596.	6817.8
#3	3860.8	39422.	6763.5

Sample Name: ICV Acquired: 8/22/2016 10:25:27 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122700.**	**2457.**	**1226.**	**10050.**	**1002.**	**123600.**
Stddev	205.	2.	5.	16.	3.	445.
%RSD	.1667	.0945	.3901	.1582	.2542	.3600
#1	122700.	2458.	1225.	10040.	998.9	123400.
#2	122600.	2454.	1222.	10030.	1002.	123300.
#3	123000.	2458.	1231.	10060.	1004.	124200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1247.**	**2458.**	**5057.**	**12110.**	**99400.**	**48360.**
Stddev	3.	3.	7.	13.	291.	67.
%RSD	.2006	.1344	.1364	.1032	.2929	.1379
#1	1247.	2457.	5055.	12100.	99730.	48400.
#2	1245.	2455.	5051.	12110.	99170.	48280.
#3	1250.	2462.	5065.	12130.	99290.	48400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123600.**	**5102.**	**122700.**	**2501.**	**7495.**	**969.6**
Stddev	301.	16.	128.	8.	10.	7.9
%RSD	.2435	.3125	.1040	.3056	.1368	.8134
#1	123400.	5090.	122800.	2495.	7483.	967.6
#2	123400.	5096.	122500.	2498.	7501.	962.9
#3	123900.	5120.	122700.	2510.	7500.	978.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 8/22/2016 10:25:27 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2434.**	**2502.**	**2490.**	**2551.**	**987.1**	**2389.**
Stddev	11.	14.	3.	8.	5.9	6.
%RSD	.4691	.5794	.1379	.3058	.5939	.2412
#1	2440.	2488.	2493.	2554.	985.4	2384.
#2	2421.	2502.	2486.	2542.	982.4	2387.
#3	2440.	2517.	2491.	2557.	993.7	2396.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**989.7**	**5009.**	**10030.**	**9631.**
Stddev	7.0	12.	18.	114.
%RSD	.7028	.2460	.1778	1.184
#1	987.1	4996.	10050.	9521.
#2	984.4	5011.	10010.	9622.
#3	997.5	5020.	10040.	9749.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4016.4**	**40894.**	**6765.1**
Stddev	6.6	119.	62.2
%RSD	.16379	.29063	.91939
#1	4012.9	40808.	6699.0
#2	4024.0	41030.	6822.5
#3	4012.3	40844.	6773.9

Sample Name: ICB Acquired: 8/22/2016 10:29:03 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.005**	**.5558**	**-.1805**	**-1.338**	**-.0317**	**-3.450**
Stddev	9.231	2.007	.2487	.232	.1116	1.586
%RSD	230.5	361.1	137.8	17.34	351.6	45.98
#1	-5.374	-1.761	-.3108	-1.570	-.0982	-2.871
#2	4.308	1.770	.1062	-1.106	.0971	-5.244
#3	13.08	1.658	-.3369	-1.337	-.0941	-2.234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0558**	**-.0399**	**.0853**	**-.4524**	**9.223**	**66.34**
Stddev	.1080	.2598	.4876	.3846	12.07	27.50
%RSD	193.7	651.8	571.8	85.03	130.9	41.45
#1	-.0689	-.1156	-.3877	-.6181	.9923	63.73
#2	.0582	.2494	.5864	-.0127	3.596	95.05
#3	-.1566	-.2533	.0571	-.7264	23.08	40.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.753**	**.2158**	**10.14**	**.0896**	**-2.720**	**-.1042**
Stddev	2.603	.0261	16.34	.2511	1.808	1.568
%RSD	54.76	12.08	161.1	280.2	66.47	1505.
#1	7.660	.2205	28.56	.2723	-1.163	.6188
#2	2.640	.1877	-2.613	.1932	-4.702	.9722
#3	3.958	.2392	4.481	-.1967	-2.293	-1.904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 8/22/2016 10:29:03 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.689**	**-.2741**	**-.1803**	**-1.425**	**3.021**	**1.873**
Stddev	1.021	.8667	.2011	.305	1.031	.588
%RSD	17.95	316.2	111.5	21.41	34.12	31.39
#1	5.313	.7211	-.4052	-1.718	3.925	2.413
#2	6.845	-.8629	-.1181	-1.447	3.239	1.960
#3	4.909	-.6804	-.0177	-1.109	1.899	1.247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5990**	**-.0507**	**.4125**	**-16.76**
Stddev	.9864	.0759	.0083	6.14
%RSD	164.7	149.7	2.012	36.63
#1	.0271	.0369	.4179	-9.816
#2	.0319	-.0923	.4167	-21.46
#3	1.738	-.0968	.4029	-19.01
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4271.6**	**43960.**	**6827.4**
Stddev	26.7	200.	122.1
%RSD	.62519	.45514	1.7880
#1	4297.5	44162.	6692.7
#2	4273.3	43762.	6858.8
#3	4244.2	43956.	6930.7

Sample Name: ICVL Acquired: 8/22/2016 10:33:05 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**187.5**	**15.52**	**8.373**	**194.7**	**1.705**	**4648.**
Stddev	4.0	1.84	.208	.1	.056	33.
%RSD	2.156	11.86	2.479	.0471	3.305	.7016
#1	190.2	16.67	8.519	194.6	1.641	4611.
#2	189.4	13.40	8.465	194.8	1.746	4674.
#3	182.8	16.48	8.136	194.7	1.729	4657.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.890**	**48.12**	**9.391**	**21.87**	**140.6**	**4379.**
Stddev	.125	.07	.148	.51	9.0	23.
%RSD	3.202	.1448	1.578	2.345	6.410	.5353
#1	3.799	48.05	9.229	21.30	139.4	4356.
#2	3.839	48.19	9.521	22.04	150.1	4379.
#3	4.032	48.13	9.422	22.28	132.2	4402.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4607.**	**15.04**	**4285.**	**39.86**	**9.049**	**15.00**
Stddev	27.	.20	28.	1.29	.776	.41
%RSD	.5850	1.310	.6517	3.241	8.573	2.711
#1	4588.	14.84	4259.	38.37	8.182	14.68
#2	4638.	15.23	4280.	40.50	9.677	15.45
#3	4594.	15.04	4314.	40.71	9.288	14.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL Acquired: 8/22/2016 10:33:05 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.88**	**16.87**	**46.94**	**29.80**	**47.13**	**18.90**
Stddev	4.41	1.00	.37	.31	.76	.36
%RSD	20.14	5.913	.7849	1.046	1.608	1.923
#1	16.92	15.74	47.03	29.89	46.93	19.25
#2	25.36	17.23	47.26	29.45	46.49	18.92
#3	23.35	17.63	46.54	30.05	47.96	18.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.71**	**18.94**	**19.52**	F **-15.57**
Stddev	1.84	.18	.37	7.86
%RSD	3.773	.9566	1.882	50.47
#1	47.87	18.77	19.10	-15.65
#2	47.44	18.92	19.79	-23.38
#3	50.82	19.13	19.68	-7.670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4253.0**	**43785.**	**6857.1**
Stddev	10.1	126.	51.5
%RSD	.23830	.28800	.75142
#1	4261.1	43839.	6898.7
#2	4256.2	43640.	6873.1
#3	4241.6	43874.	6799.5

Sample Name: ICSA 4305572 Acquired: 8/22/2016 10:37:03 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**496400.**	**1.141**	**4.673**	**-.9441**	**.0912**	**504800.**
Stddev	1936.	.956	.330	.1860	.0425	10260.
%RSD	.3899	83.80	7.068	19.70	46.64	2.033
#1	494600.	1.621	4.893	-1.016	.1165	493000.
#2	496300.	.0400	4.293	-1.084	.0421	510000.
#3	498400.	1.763	4.833	-.7330	.1150	511400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.344**	**-6.693**	**-1.514**	**-6.820**	**195600.**	**32.13**
Stddev	.571	.275	.502	.193	3120.	30.22
%RSD	42.51	4.115	33.17	2.823	1.596	94.05
#1	1.913	-7.007	-1.483	-6.644	192000.	9.669
#2	1.348	-6.580	-1.027	-6.790	197400.	20.24
#3	.7706	-6.493	-2.030	-7.025	197300.	66.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**501500.**	**4.613**	**-8.498**	**-4.748**	**2.052**	**-5.509**
Stddev	8773.	.202	7.724	.292	.522	1.744
%RSD	1.749	4.368	90.89	6.152	25.46	31.66
#1	491500.	4.671	.4177	-5.085	2.321	-3.998
#2	505800.	4.779	-13.17	-4.563	2.385	-7.417
#3	507400.	4.389	-12.75	-4.596	1.450	-5.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4305572 Acquired: 8/22/2016 10:37:03 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.391**	**-6.269**	**-2.779**	**-2.968**	**-3.422**	**-.1309**
Stddev	3.870	1.944	.439	.206	.405	.9124
%RSD	114.1	31.02	15.81	6.945	11.85	697.1
#1	-.2301	-6.256	-3.278	-3.101	-3.889	-.6749
#2	-2.237	-8.219	-2.612	-3.073	-3.176	.9224
#3	-7.707	-4.331	-2.449	-2.731	-3.199	-.6402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4647**	**-1.311**	**.4039**	**-30.09**
Stddev	4.084	.097	.0978	3.49
%RSD	878.9	7.430	24.21	11.61
#1	-1.582	-1.416	.3330	-27.26
#2	-3.874	-1.223	.5154	-33.99
#3	4.062	-1.294	.3631	-29.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3842.9**	**38676.**	**6510.0**
Stddev	18.0	342.	49.4
%RSD	.46939	.88351	.75812
#1	3822.2	39069.	6464.8
#2	3851.3	38455.	6562.6
#3	3855.2	38502.	6502.6

Sample Name: ICSAB 4305680 Acquired: 8/22/2016 10:41:00 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**497300.**	**92.74**	**110.2**	**105.3**	**101.5**	**508900.**
Stddev	2869.	6.26	1.5	.6	.7	5218.
%RSD	.5769	6.754	1.317	.6055	.6578	1.025
#1	495300.	87.55	108.6	105.2	100.8	504900.
#2	495900.	99.70	111.4	106.0	101.7	507000.
#3	500500.	90.97	110.6	104.7	102.2	514800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**98.50**	**89.67**	**101.1**	**98.90**	**197500.**	**9819.**
Stddev	.03	.43	1.2	.43	1782.	109.
%RSD	.0259	.4832	1.166	.4352	.9025	1.107
#1	98.51	89.58	99.77	98.50	196200.	9710.
#2	98.47	89.29	101.9	99.36	196700.	9822.
#3	98.52	90.14	101.7	98.83	199500.	9927.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**506600.**	**108.2**	**9677.**	**91.45**	**102.3**	**87.52**
Stddev	4175.	1.6	58.	1.03	1.6	3.25
%RSD	.8241	1.506	.5980	1.123	1.583	3.712
#1	503600.	106.8	9726.	90.76	103.1	90.00
#2	504800.	107.9	9613.	90.96	100.4	88.71
#3	511400.	110.0	9691.	92.63	103.4	83.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 4305680 Acquired: 8/22/2016 10:41:00 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**106.1**	**88.61**	**99.45**	**102.3**	**95.72**	**95.05**
Stddev	3.9	3.33	.78	.8	.98	.77
%RSD	3.657	3.752	.7832	.7450	1.023	.8062
#1	101.8	87.28	98.79	101.7	96.32	95.90
#2	109.3	92.40	99.25	102.0	96.26	94.40
#3	107.3	86.16	100.3	103.2	94.59	94.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**100.6**	**100.6**	**108.0**	**39.26**
Stddev	1.3	.5	1.6	18.65
%RSD	1.316	.4847	1.497	47.50
#1	100.6	100.6	106.4	58.11
#2	101.9	100.1	108.1	38.85
#3	99.25	101.1	109.6	20.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3833.8**	**38549.**	**6603.9**
Stddev	5.6	355.	83.6
%RSD	.14691	.92134	1.2656
#1	3836.6	38843.	6700.3
#2	3837.5	38649.	6551.9
#3	3827.3	38154.	6559.5

Sample Name: INT-10A 4360515 Acquired: 8/22/2016 10:44:51 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.25**	**.9828**	**.3371**	**-3.633**	F **8.235**	**-4.496**
Stddev	12.38	1.735	.5127	.137	.178	15.21
%RSD	47.15	176.5	152.1	3.758	2.159	338.3
#1	20.13	-.4055	.6692	-3.675	8.030	-21.94
#2	18.13	2.928	.5954	-3.743	8.349	2.414
#3	40.50	.4261	-.2535	-3.480	8.327	6.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					8.000	
Low Limit					-8.000	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1834**	**11110.**	**.2264**	**-5.677**	F **-233.2**	**48.24**
Stddev	.0647	25.	.4836	.380	6.5	26.41
%RSD	35.31	.2293	213.6	6.692	2.808	54.74
#1	-.1637	11080.	.0906	-5.239	-240.7	77.59
#2	-.2557	11120.	.7634	-5.867	-230.1	40.72
#3	-.1308	11120.	-.1748	-5.924	-228.7	26.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200.0	
Low Limit					-200.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.810**	**.0648**	**10.42**	**1.960**	**.8016**	F **-77.71**
Stddev	8.244	.0331	14.84	.457	.7173	2.52
%RSD	121.1	51.01	142.4	23.33	89.48	3.247
#1	-2.257	.0334	20.07	1.457	.5743	-80.53
#2	8.834	.0994	-6.669	2.350	1.605	-76.94
#3	13.85	.0617	17.86	2.074	.2255	-75.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						40.00
Low Limit						-40.00

Sample Name: INT-10A 4360515 Acquired: 8/22/2016 10:44:51 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.939**	**-5.262**	**5338.**	**-.3197**	**.0365**	**-2.208**
Stddev	1.618	.819	17.	.1776	.2373	.415
%RSD	32.77	15.56	.3157	55.56	650.4	18.81
#1	4.837	-4.713	5326.	-.4216	-.2373	-2.328
#2	6.606	-6.203	5330.	-.4228	.1635	-2.551
#3	3.374	-4.869	5357.	-.1146	.1832	-1.746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11140.**	**10340.**	**-.4892**	**9416.**
Stddev	15.	168.	.0688	105.
%RSD	.1354	1.627	14.07	1.111
#1	11120.	10280.	-.4152	9297.
#2	11150.	10530.	-.5513	9489.
#3	11150.	10220.	-.5011	9464.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4251.9**	**43554.**	**6727.1**
Stddev	6.6	213.	36.1
%RSD	.15504	.48909	.53660
#1	4253.0	43617.	6738.6
#2	4244.8	43728.	6756.1
#3	4257.8	43316.	6686.7

Sample Name: INT-10B 4360523 Acquired: 8/22/2016 10:48:57 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-21.91**	**7.793**	**1.369**	**-1.673**	**-6.493**	**140.5**
Stddev	6.79	.689	.266	.282	.118	2.4
%RSD	30.97	8.840	19.45	16.83	1.812	1.734
#1	-27.26	8.471	1.114	-1.958	-6.382	137.8
#2	-24.21	7.094	1.645	-1.395	-6.480	142.6
#3	-14.28	7.814	1.348	-1.666	-6.617	141.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.124**	**6.962**	**10510.**	**9853.**	**-23.90**	**43.18**
Stddev	.087	.215	41.	18.	4.61	53.39
%RSD	7.761	3.093	.3918	.1848	19.27	123.7
#1	1.150	7.129	10480.	9846.	-28.65	-17.75
#2	1.026	6.719	10480.	9874.	-19.46	65.45
#3	1.194	7.037	10550.	9840.	-23.60	81.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**90.12**	**10660.**	**14.28**	**10910.**	**5.452**	F **45.42**
Stddev	2.62	43.	18.19	14.	1.294	1.46
%RSD	2.905	.3994	127.4	.1294	23.72	3.226
#1	87.94	10630.	2.800	10920.	6.701	44.80
#2	89.39	10640.	35.26	10920.	5.537	47.09
#3	93.02	10710.	4.782	10900.	4.118	44.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						40.00
Low Limit						-40.00

Sample Name: INT-10B 4360523 Acquired: 8/22/2016 10:48:57 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.227**	**-2.364**	**-10.27**	**-21.50**	**-57.54**	**4968.**
Stddev	2.954	5.573	.15	.15	1.12	15.
%RSD	132.6	235.7	1.491	.7114	1.952	.3102
#1	-.6761	.3804	-10.12	-21.37	-57.32	4956.
#2	2.129	1.304	-10.26	-21.67	-56.55	4963.
#3	5.230	-8.777	-10.43	-21.45	-58.76	4985.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-12.25**	**.2444**	**10620.**	**-19.11**
Stddev	.41	.1070	34.	6.60
%RSD	3.361	43.78	.3223	34.55
#1	-12.16	.3504	10590.	-20.36
#2	-12.70	.1364	10610.	-11.97
#3	-11.89	.2465	10650.	-25.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4235.7**	**44265.**	**6834.2**
Stddev	12.5	378.	81.1
%RSD	.29446	.85383	1.1863
#1	4246.5	44570.	6808.2
#2	4238.4	44384.	6769.3
#3	4222.0	43842.	6925.1

Sample Name: 460-118769-d-1-a@50 Acquired: 8/22/2016 10:52:53 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2775.**	**-1.180**	**1.495**	**-.4074**	**.1272**	**7647.**
Stddev	21.	.371	.655	.1435	.1511	36.
%RSD	.7666	31.39	43.81	35.23	118.8	.4710
#1	2751.	-1.602	1.196	-.5034	.0692	7615.
#2	2784.	-.9074	1.043	-.4764	.2988	7686.
#3	2791.	-1.031	2.246	-.2424	.0137	7640.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8524**	**-.1258**	**4.216**	**4.609**	**56640.**	**208.8**
Stddev	.1017	.2331	.502	.518	51.	21.2
%RSD	11.94	185.3	11.90	11.23	.0897	10.17
#1	-.8290	.1423	3.648	5.205	56700.	229.8
#2	-.7643	-.2803	4.401	4.361	56610.	209.1
#3	-.9638	-.2393	4.599	4.263	56610.	187.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3297.**	**702.9**	**938.3**	**12.31**	F **-19.71**	**-2.056**
Stddev	20.	1.6	29.6	.58	1.05	1.350
%RSD	.6130	.2346	3.159	4.689	5.322	65.67
#1	3281.	702.1	904.8	12.46	-20.56	-.8198
#2	3320.	704.8	949.4	11.68	-20.02	-3.497
#3	3291.	701.9	960.9	12.80	-18.53	-1.851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118769-d-1-a@50 Acquired: 8/22/2016 10:52:53 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.303**	**-3.266**	**.3548**	**38.41**	**11.19**	**3.165**
Stddev	2.116	2.869	.3369	.15	.63	1.653
%RSD	91.88	87.85	94.95	.3809	5.674	52.23
#1	1.655	.0415	.0469	38.35	10.74	4.947
#2	.5865	-4.757	.3029	38.30	10.90	2.867
#3	4.667	-5.084	.7147	38.57	11.91	1.682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.432**	**69.58**	**.9131**	**438.2**
Stddev	.553	.87	.0896	11.5
%RSD	38.62	1.252	9.814	2.634
#1	.8392	68.58	1.003	447.3
#2	1.934	70.18	.9116	441.9
#3	1.522	69.99	.8242	425.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4266.4**	**43611.**	**6839.9**
Stddev	7.6	85.	204.9
%RSD	.17808	.19389	2.9956
#1	4267.7	43606.	6978.2
#2	4258.3	43528.	6604.5
#3	4273.3	43697.	6936.9

Sample Name: 460-118769-d-1-a@100 Acquired: 8/22/2016 10:56:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1420.**	**.0146**	**.4155**	**-.9778**	**.0914**	**3818.**
Stddev	14.	1.117	.1429	.3058	.0804	16.
%RSD	.9504	7637.	34.40	31.28	87.89	.4205
#1	1408.	-1.179	.5591	-.8797	.1555	3835.
#2	1419.	.1874	.2733	-1.321	.0013	3817.
#3	1434.	1.035	.4140	-.7330	.1175	3803.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5141**	**-.1055**	**2.097**	**2.314**	**28980.**	**126.2**
Stddev	.1593	.2611	.247	.221	50.	35.5
%RSD	30.99	247.6	11.80	9.559	.1716	28.12
#1	-.5762	-.0523	2.112	2.536	28940.	154.0
#2	-.6330	-.3891	1.842	2.312	28970.	138.3
#3	-.3331	.1250	2.336	2.094	29040.	86.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1673.**	**355.1**	**450.9**	**5.706**	**-9.637**	**-2.729**
Stddev	5.	.8	2.2	.508	2.095	2.314
%RSD	.2886	.2371	.4821	8.895	21.74	84.80
#1	1678.	355.5	452.5	5.300	-10.70	-3.701
#2	1672.	355.7	451.8	5.544	-10.99	-.0873
#3	1669.	354.2	448.5	6.275	-7.224	-4.399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118769-d-1-a@100 Acquired: 8/22/2016 10:56:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.432**	**-2.804**	**-.0720**	**18.56**	**5.931**	**.8164**
Stddev	3.353	.788	.3663	.21	.199	.3467
%RSD	75.67	28.10	508.6	1.152	3.353	42.47
#1	.8971	-2.747	.1800	18.68	6.004	1.163
#2	4.830	-2.046	-.4921	18.68	5.706	.8162
#3	7.568	-3.619	.0961	18.31	6.083	.4697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.040**	**34.93**	**.3601**	**213.3**
Stddev	.372	.35	.1522	4.4
%RSD	18.22	1.013	42.27	2.077
#1	2.084	34.58	.5232	216.0
#2	2.388	34.92	.2218	215.8
#3	1.649	35.29	.3352	208.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4244.1**	**43598.**	**6672.9**
Stddev	6.2	78.	162.9
%RSD	.14526	.17949	2.4419
#1	4249.1	43601.	6545.5
#2	4237.2	43518.	6856.5
#3	4246.0	43674.	6616.6

Sample Name: 460-118923-c-13-a@4 Acquired: 8/22/2016 11:00:48 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31960.**	**9.437**	**.9965**	**158.3**	**1.220**	**2581.**
Stddev	1152.	2.824	.6380	1.2	.075	19.
%RSD	3.605	29.93	64.02	.7310	6.154	.7300
#1	30630.	12.65	.8202	157.4	1.137	2561.
#2	32580.	7.334	.4652	157.8	1.238	2597.
#3	32670.	8.331	1.704	159.6	1.284	2586.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8735**	**16.97**	**40.27**	**38.63**	**61560.**	**2491.**
Stddev	.0667	.39	.56	.55	441.	83.
%RSD	7.631	2.287	1.395	1.424	.7171	3.313
#1	-.8030	16.62	39.91	38.35	61080.	2396.
#2	-.9355	16.91	39.98	38.29	61950.	2531.
#3	-.8819	17.38	40.92	39.27	61640.	2546.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6629.**	**387.0**	**175.6**	**38.63**	**-.9061**	**-1.548**
Stddev	53.	1.4	14.9	.50	.9301	2.569
%RSD	.7955	.3735	8.471	1.284	102.7	166.0
#1	6584.	385.4	158.7	38.18	-1.734	-.4502
#2	6617.	387.8	186.6	39.16	-1.084	-4.483
#3	6687.	387.9	181.5	38.54	.1002	.2901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118923-c-13-a@4 Acquired: 8/22/2016 11:00:48 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.204**	**-3.680**	**72.39**	**104.6**	**6.100**	**1.688**
Stddev	1.413	.600	1.16	1.0	.155	.356
%RSD	22.77	16.30	1.605	.9239	2.542	21.08
#1	4.753	-3.943	72.06	103.5	5.924	2.099
#2	7.575	-4.103	71.43	105.2	6.160	1.470
#3	6.285	-2.993	73.68	105.2	6.217	1.496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.106**	**20.23**	**1176.**	**799.1**
Stddev	.622	.70	11.	7.6
%RSD	7.667	3.474	.9548	.9463
#1	8.741	19.42	1163.	800.0
#2	8.078	20.60	1181.	791.1
#3	7.499	20.66	1183.	806.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4321.8**	**43747.**	**6785.4**
Stddev	8.7	165.	231.3
%RSD	.20180	.37677	3.4088
#1	4312.8	43648.	7052.5
#2	4322.4	43656.	6653.1
#3	4330.2	43937.	6650.6

Sample Name: 460-118932-f-1-a@4 Acquired: 8/22/2016 11:04:42 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**71820.**	**18.30**	**3.263**	**220.6**	**2.016**	**5826.**
Stddev	760.	2.17	.596	.5	.250	12.
%RSD	1.058	11.83	18.25	.2286	12.42	.2076
#1	71090.	16.08	3.559	220.8	2.193	5816.
#2	72610.	18.44	3.652	220.1	2.125	5840.
#3	71760.	20.40	2.577	221.0	1.729	5822.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.788**	**42.85**	**77.01**	**73.21**	**99640.**	**3132.**
Stddev	.164	.14	.86	.60	357.	36.
%RSD	9.176	.3182	1.122	.8185	.3586	1.139
#1	-1.872	42.98	76.61	73.15	99290.	3135.
#2	-1.892	42.71	76.43	73.83	100000.	3166.
#3	-1.599	42.86	78.00	72.64	99610.	3095.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14680.**	**3517.**	**269.3**	**97.25**	**11.19**	**-2.088**
Stddev	35.	8.	16.7	1.05	1.28	3.021
%RSD	.2355	.2243	6.215	1.082	11.41	144.7
#1	14640.	3508.	270.0	96.56	12.56	1.210
#2	14710.	3524.	252.2	98.46	10.98	-2.752
#3	14690.	3518.	285.7	96.72	10.03	-4.721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118932-f-1-a@4 Acquired: 8/22/2016 11:04:42 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.299**	**-4.919**	**114.9**	**192.2**	**7.026**	**2.906**
Stddev	.919	1.579	.7	.9	.092	.141
%RSD	70.80	32.11	.6312	.4561	1.305	4.847
#1	2.356	-6.608	114.2	193.0	7.006	2.819
#2	.8496	-3.478	115.7	191.3	6.946	3.069
#3	.6901	-4.670	114.9	192.3	7.126	2.831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.713**	**44.07**	**1153.**	**932.7**
Stddev	.346	.55	5.	9.5
%RSD	4.491	1.253	.3988	1.019
#1	7.491	43.45	1148.	939.8
#2	7.535	44.49	1156.	921.9
#3	8.112	44.28	1157.	936.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4244.8**	**41924.**	**6556.6**
Stddev	49.2	514.	154.7
%RSD	1.1585	1.2268	2.3586
#1	4195.4	41552.	6519.6
#2	4245.3	41709.	6423.9
#3	4293.8	42511.	6726.5

Sample Name: 460-118932-f-2-a@4 Acquired: 8/22/2016 11:08:35 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31340.**	**9.474**	**1.701**	**109.6**	**1.277**	**3359.**
Stddev	1014.	.382	.189	.6	.049	22.
%RSD	3.237	4.027	11.12	.5017	3.804	.6429
#1	30170.	9.058	1.748	109.0	1.220	3334.
#2	31880.	9.807	1.862	110.1	1.304	3372.
#3	31970.	9.559	1.493	109.8	1.305	3372.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.379**	**15.30**	**79.90**	**36.43**	**83960.**	**2340.**
Stddev	.130	.35	.41	.68	482.	77.
%RSD	9.414	2.257	.5078	1.867	.5739	3.280
#1	-1.408	14.90	79.64	36.48	83440.	2268.
#2	-1.492	15.49	80.37	35.72	84050.	2421.
#3	-1.238	15.52	79.69	37.08	84390.	2331.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7047.**	**906.0**	**164.4**	**33.46**	F **-12.51**	**-2.220**
Stddev	21.	2.1	22.8	.23	3.17	.749
%RSD	.2958	.2368	13.85	.7004	25.30	33.75
#1	7025.	903.5	142.2	33.23	-9.088	-3.064
#2	7067.	906.7	187.7	33.46	-15.33	-1.630
#3	7049.	907.6	163.3	33.70	-13.11	-1.967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118932-f-2-a@4 Acquired: 8/22/2016 11:08:35 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.403**	**-2.281**	**102.1**	**95.38**	**3.743**	**2.125**
Stddev	2.131	4.446	1.1	.46	.757	.260
%RSD	48.39	194.9	1.113	.4792	20.22	12.22
#1	3.562	-7.382	100.8	95.47	3.110	2.327
#2	6.826	-.2336	102.9	94.89	4.581	2.216
#3	2.821	.7729	102.7	95.79	3.537	1.832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.970**	**21.76**	**1166.**	**630.0**
Stddev	.740	.80	7.	22.4
%RSD	10.62	3.668	.6006	3.556
#1	7.656	20.84	1158.	620.3
#2	6.185	22.20	1169.	655.6
#3	7.068	22.24	1170.	614.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4308.7**	**43586.**	**6813.3**
Stddev	11.8	61.	159.3
%RSD	.27415	.13903	2.3385
#1	4295.1	43547.	6997.1
#2	4316.1	43555.	6714.1
#3	4314.9	43655.	6728.7

Sample Name: 460-118932-f-3-a@4 Acquired: 8/22/2016 11:12:31 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30360.**	**5.337**	**1.233**	**128.8**	**.7731**	**3426.**
Stddev	135.	1.671	.217	.3	.2537	21.
%RSD	.4432	31.32	17.62	.2335	32.82	.6140
#1	30260.	3.639	1.249	128.6	.9731	3412.
#2	30300.	6.981	1.442	129.1	.4877	3415.
#3	30510.	5.390	1.008	128.6	.8584	3450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.044**	**15.99**	**41.82**	**33.03**	**60130.**	**2314.**
Stddev	.133	.20	.26	.72	116.	34.
%RSD	12.71	1.258	.6328	2.173	.1928	1.452
#1	-1.196	15.76	41.57	33.78	60140.	2276.
#2	-.9551	16.14	41.80	32.34	60020.	2338.
#3	-.9801	16.08	42.10	32.98	60250.	2328.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6831.**	**697.0**	**200.3**	**34.75**	**-6.820**	**-1.270**
Stddev	57.	2.3	12.5	.71	1.453	2.208
%RSD	.8373	.3317	6.243	2.055	21.31	173.8
#1	6786.	697.1	214.7	35.04	-7.469	-3.813
#2	6812.	694.6	192.9	33.93	-5.155	.1662
#3	6895.	699.2	193.2	35.26	-7.835	-.1643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118932-f-3-a@4 Acquired: 8/22/2016 11:12:31 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.923**	**-5.330**	**74.72**	**96.47**	**4.699**	**1.163**
Stddev	2.831	1.691	.46	.37	.382	.438
%RSD	96.85	31.73	.6116	.3860	8.132	37.68
#1	4.902	-4.109	74.24	96.21	5.068	.9827
#2	-.3195	-4.620	75.15	96.30	4.305	.8439
#3	4.186	-7.260	74.78	96.89	4.725	1.663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.029**	**21.82**	**1115.**	**619.1**
Stddev	1.027	.14	3.	2.4
%RSD	14.61	.6347	.3057	.3904
#1	7.420	21.75	1119.	621.4
#2	5.864	21.73	1112.	619.2
#3	7.804	21.98	1114.	616.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4257.3**	**42902.**	**6551.8**
Stddev	2.6	154.	133.1
%RSD	.06047	.35900	2.0319
#1	4255.0	43010.	6705.1
#2	4256.8	42972.	6484.4
#3	4260.1	42726.	6465.8

Sample Name: CCV Acquired: 8/22/2016 11:16:27 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125900.**	**2440.**	**1255.**	**10300.**	**1058.**	**130600.**
Stddev	570.	11.	6.	17.	4.	375.
%RSD	.4525	.4533	.5068	.1661	.3348	.2867
#1	125800.	2429.	1248.	10280.	1056.	130300.
#2	125500.	2439.	1260.	10310.	1056.	130600.
#3	126600.	2451.	1258.	10310.	1062.	131000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1265.**	**2443.**	**5270.**	**12080.**	**104200.**	**49420.**
Stddev	2.	7.	11.	54.	443.	271.
%RSD	.1809	.2719	.2160	.4451	.4249	.5481
#1	1262.	2435.	5259.	12020.	103700.	49260.
#2	1267.	2445.	5270.	12110.	104200.	49260.
#3	1265.	2448.	5281.	12120.	104600.	49730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127400.**	**5288.**	**125300.**	**2468.**	**7609.**	**951.0**
Stddev	180.	13.	395.	6.	21.	6.1
%RSD	.1415	.2432	.3149	.2254	.2728	.6371
#1	127200.	5274.	125000.	2462.	7585.	944.5
#2	127400.	5289.	125100.	2470.	7624.	952.1
#3	127600.	5300.	125700.	2472.	7617.	956.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/22/2016 11:16:27 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2556.**	**2443.**	**2564.**	**2709.**	**971.6**	**2395.**
Stddev	30.	10.	10.	2.	6.8	9.
%RSD	1.182	.4012	.4066	.0700	.7021	.3920
#1	2522.	2432.	2552.	2710.	963.8	2385.
#2	2569.	2450.	2568.	2711.	974.4	2398.
#3	2578.	2447.	2572.	2707.	976.5	2403.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1059.**	**4940.**	**10850.**	**8952.**
Stddev	7.	21.	48.	37.
%RSD	.6696	.4161	.4420	.4170
#1	1051.	4928.	10800.	8946.
#2	1062.	4927.	10870.	8992.
#3	1065.	4963.	10890.	8918.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.6**	**38619.**	**5993.8**
Stddev	11.0	110.	43.6
%RSD	.27907	.28553	.72673
#1	3931.6	38730.	5996.5
#2	3917.8	38616.	6035.9
#3	3939.4	38510.	5949.0

Sample Name: CCB Acquired: 8/22/2016 11:20:04 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.759**	**1.017**	**-.3730**	**-1.554**	**-.0378**	**-1.535**
Stddev	6.283	.811	.8975	.269	.0156	4.506
%RSD	167.1	79.70	240.6	17.34	41.22	293.5
#1	1.772	1.323	-.2877	-1.244	-.0404	-5.036
#2	-2.458	.0981	-1.310	-1.683	-.0211	3.549
#3	-10.59	1.631	.4787	-1.734	-.0519	-3.118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0174**	**-.0463**	**.0959**	**.0996**	**2.887**	**75.28**
Stddev	.0577	.1605	.2857	.2514	7.116	18.38
%RSD	331.3	346.9	298.0	252.6	246.5	24.42
#1	.0397	.1370	-.0137	-.0090	.6565	82.16
#2	-.0757	-.1614	-.1188	.3870	10.85	89.23
#3	-.0162	-.1143	.4202	-.0794	-2.847	54.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.666**	**.1955**	**-12.74**	**-.1482**	**-.3463**	**-1.133**
Stddev	6.257	.0563	22.50	.4698	2.084	.706
%RSD	72.20	28.81	176.6	317.1	601.8	62.34
#1	10.56	.1938	11.65	-.5093	-1.319	-.6943
#2	1.681	.2526	-17.18	.3830	-1.766	-.7565
#3	13.76	.1400	-32.68	-.3182	2.046	-1.947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/22/2016 11:20:04 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.687**	**-2.143**	**-.1070**	**-1.521**	**2.126**	**1.036**
Stddev	2.715	2.077	.4923	.182	.673	.156
%RSD	57.91	96.94	460.2	11.97	31.65	15.03
#1	2.376	-4.316	-.6711	-1.345	2.843	1.192
#2	4.010	-.1762	.1142	-1.709	2.026	1.034
#3	7.677	-1.937	.2359	-1.508	1.508	.8810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.222**	**-.0970**	**.5340**	**-21.64**
Stddev	.940	.0179	.2181	3.44
%RSD	76.88	18.43	40.85	15.90
#1	2.068	-.0853	.7732	-23.29
#2	1.387	-.1175	.3462	-17.68
#3	.2108	-.0880	.4825	-23.94
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4167.1**	**41670.**	**6303.9**
Stddev	10.5	504.	130.7
%RSD	.25154	1.2092	2.0735
#1	4176.1	42068.	6324.6
#2	4155.6	41838.	6423.0
#3	4169.7	41103.	6164.1

Sample Name: CCVL Acquired: 8/22/2016 11:24:05 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.9**	**15.40**	**8.665**	**198.5**	**2.082**	**4903.**
Stddev	6.0	.80	.271	.4	.192	49.
%RSD	2.966	5.173	3.130	.2013	9.202	.9988
#1	208.6	14.53	8.362	198.9	1.897	4951.
#2	200.0	15.57	8.747	198.1	2.280	4905.
#3	197.0	16.09	8.886	198.6	2.069	4853.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.099**	**48.49**	**10.33**	**22.85**	**141.7**	**4485.**
Stddev	.121	.34	.14	.52	7.3	70.
%RSD	2.957	.6932	1.374	2.263	5.182	1.557
#1	3.977	48.37	10.49	22.41	139.4	4420.
#2	4.219	48.22	10.23	22.71	150.0	4477.
#3	4.100	48.87	10.28	23.42	135.8	4559.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4806.**	**15.77**	**4344.**	**38.97**	**8.790**	**15.42**
Stddev	53.	.08	70.	.61	.835	2.53
%RSD	1.098	.4760	1.622	1.578	9.496	16.42
#1	4825.	15.70	4264.	39.67	7.846	17.25
#2	4846.	15.85	4396.	38.72	9.094	16.48
#3	4746.	15.78	4373.	38.53	9.430	12.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/22/2016 11:24:05 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.84**	**14.68**	**48.31**	**32.11**	**46.54**	**18.77**
Stddev	2.02	1.90	.41	.18	.41	.31
%RSD	9.233	12.92	.8552	.5456	.8845	1.640
#1	20.17	16.51	48.13	32.31	46.16	18.88
#2	21.28	12.72	48.02	32.04	46.48	19.00
#3	24.08	14.80	48.78	31.98	46.97	18.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.16**	**18.78**	**21.41**	F **-26.60**
Stddev	1.56	.56	.31	7.11
%RSD	3.059	2.982	1.432	26.72
#1	52.94	18.15	21.73	-21.88
#2	50.55	19.23	21.13	-34.78
#3	50.00	18.96	21.36	-23.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4174.8**	**41672.**	**6251.5**
Stddev	12.7	396.	41.7
%RSD	.30538	.94922	.66741
#1	4181.1	41250.	6295.3
#2	4183.2	41731.	6212.2
#3	4160.1	42034.	6247.2

Sample Name: mb 460-385941/1-a@2 Acquired: 8/22/2016 11:28:06 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.889**	**1.194**	**-.3364**	**-1.820**	**-.1448**	**-2.078**
Stddev	12.92	1.436	.3350	.198	.0836	7.503
%RSD	447.2	120.2	99.57	10.89	57.75	361.1
#1	6.335	-.1137	-.1193	-2.049	-.0528	4.865
#2	-17.66	2.730	-.7222	-1.705	-.1653	-1.059
#3	2.653	.9669	-.1678	-1.706	-.2162	-10.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0300**	**-.0186**	**-.2460**	**-.2571**	**-2.186**	**35.66**
Stddev	.1786	.2851	.2782	.3228	13.69	15.99
%RSD	595.7	1532.	113.1	125.5	626.2	44.83
#1	.1387	-.3463	-.0708	-.6299	.1455	17.21
#2	.1274	.1725	-.5668	-.0700	-16.89	45.27
#3	-.1762	.1180	-.1004	-.0715	10.19	44.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.772**	**-.0206**	**-39.95**	**.3285**	**1.156**	**2.001**
Stddev	2.465	.0962	10.81	.7056	.921	1.349
%RSD	139.1	467.7	27.06	214.8	79.61	67.40
#1	.4407	-.0266	-27.49	1.088	2.180	2.864
#2	-4.430	-.1136	-46.81	-.3070	.8942	.4467
#3	-1.327	.0785	-45.57	.2048	.3952	2.692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385941/1-a@2 Acquired: 8/22/2016 11:28:06 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.930**	**-3.784**	**-.0010**	**-1.463**	**.8746**	**.4151**
Stddev	3.323	1.054	.0929	.162	.2165	.4525
%RSD	84.55	27.87	9774.	11.04	24.76	109.0
#1	7.735	-2.590	.0960	-1.571	.7076	.4953
#2	1.593	-4.587	-.0095	-1.542	.7968	.8221
#3	2.463	-4.174	-.0893	-1.278	1.119	-.0722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2584**	**-.1277**	**-.0803**	**-29.58**
Stddev	.4233	.0669	.0985	2.38
%RSD	163.8	52.41	122.7	8.038
#1	.1589	-.1743	-.0048	-26.96
#2	-.1062	-.0510	-.1917	-30.15
#3	.7226	-.1579	-.0444	-31.61
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4140.6**	**41346.**	**6116.1**
Stddev	5.7	403.	104.2
%RSD	.13776	.97414	1.7040
#1	4146.9	41478.	6002.3
#2	4139.1	40894.	6206.9
#3	4135.8	41666.	6139.1

Sample Name: lcssrm 460-385941/2- Acquired: 8/22/2016 11:32:06 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40860.**	**274.6**	**271.0**	**596.8**	**357.3**	**33910.**
Stddev	232.	.3	1.7	.4	1.3	399.
%RSD	.5682	.1035	.6350	.0720	.3526	1.177
#1	40600.	274.6	270.4	596.9	357.2	34000.
#2	40920.	274.3	269.7	596.4	356.1	33480.
#3	41060.	274.9	272.9	597.2	358.6	34270.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**407.6**	**306.9**	**355.4**	**271.0**	**78980.**	**11770.**
Stddev	.4	.4	3.2	1.6	716.	66.
%RSD	.0893	.1444	.9057	.5833	.9071	.5570
#1	407.4	306.7	355.5	272.1	79060.	11710.
#2	407.5	306.7	352.2	271.6	78230.	11770.
#3	408.1	307.5	358.6	269.2	79660.	11840.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13490.**	**1466.**	**4241.**	**321.6**	**423.0**	**228.3**
Stddev	144.	12.	12.	3.5	5.7	1.1
%RSD	1.069	.8179	.2917	1.075	1.354	.4678
#1	13540.	1468.	4227.	320.8	426.6	228.5
#2	13330.	1453.	4250.	318.6	416.4	229.2
#3	13600.	1476.	4247.	325.4	426.1	227.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-385941/2- Acquired: 8/22/2016 11:32:06 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**408.3**	**937.8**	**298.7**	**1116.**	**396.8**	**283.3**
Stddev	2.8	4.3	1.9	6.	1.6	.6
%RSD	.6930	.4572	.6406	.5738	.4059	.2010
#1	411.6	940.7	296.9	1109.	398.5	282.6
#2	407.2	932.9	298.3	1118.	395.3	283.4
#3	406.3	939.9	300.7	1121.	396.7	283.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**889.6**	**445.1**	**1964.**	**1127.**
Stddev	2.4	1.7	7.	20.
%RSD	.2748	.3874	.3674	1.777
#1	889.6	443.3	1965.	1130.
#2	887.2	445.3	1956.	1145.
#3	892.0	446.7	1971.	1105.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4190.3**	**41218.**	**6295.9**
Stddev	34.9	839.	38.3
%RSD	.83320	2.0349	.60904
#1	4150.2	40372.	6281.0
#2	4206.8	42049.	6267.2
#3	4214.0	41233.	6339.4

Sample Name: pds 460-118876-a-7-a Acquired: 8/22/2016 11:35:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**63000.**	**1872.**	**51.36**	**2639.**	**51.68**	F **307000.**
Stddev	4037.	6.	.18	7.	3.40	4277.
%RSD	6.408	.3019	.3535	.2550	6.570	1.393
#1	58340.	1866.	51.56	2631.	47.76	302200.
#2	65280.	1877.	51.33	2644.	53.43	310400.
#3	65380.	1874.	51.20	2641.	53.84	308500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.36**	**501.0**	**344.4**	**413.6**	**100600.**	**30490.**
Stddev	.51	2.8	4.5	4.2	1381.	1961.
%RSD	1.047	.5538	1.314	1.004	1.372	6.432
#1	48.92	501.2	339.1	409.0	99050.	28230.
#2	48.24	503.7	346.8	417.1	101700.	31650.
#3	47.93	498.1	347.2	414.7	101100.	31590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**68750.**	**2053.**	**22730.**	**571.4**	**1004.**	**424.1**
Stddev	791.	23.	1428.	4.5	4.	4.3
%RSD	1.150	1.142	6.282	.7871	.3941	1.010
#1	67870.	2026.	21080.	571.9	1007.	425.1
#2	69410.	2070.	23510.	575.6	1005.	427.8
#3	68980.	2062.	23600.	566.6	999.5	419.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118876-a-7-a Acquired: 8/22/2016 11:35:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1938.**	**1820.**	**670.0**	**1299.**	**492.5**	**468.7**
Stddev	8.	14.	6.8	6.	4.1	3.3
%RSD	.4157	.7752	1.008	.4530	.8233	.7081
#1	1933.	1804.	662.6	1293.	487.9	464.9
#2	1948.	1830.	675.9	1299.	494.2	470.9
#3	1935.	1825.	671.3	1305.	495.5	470.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**532.3**	**1493.**	**3862.**	**1664.**
Stddev	4.1	90.	39.	16.
%RSD	.7710	6.043	1.022	.9562
#1	527.6	1389.	3817.	1649.
#2	535.3	1542.	3890.	1680.
#3	533.9	1548.	3880.	1662.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.2**	**40081.**	**6421.2**
Stddev	6.7	203.	363.2
%RSD	.16472	.50725	5.6564
#1	4049.0	40279.	6840.4
#2	4054.4	39873.	6222.6
#3	4062.3	40090.	6200.6

Sample Name: 460-118876-a-7-c ms Acquired: 8/22/2016 11:39:31 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**69530.**	**975.3**	**27.88**	**1656.**	**28.82**	F **373900.**
Stddev	452.	5.1	.95	3.	.38	533.
%RSD	.6497	.5257	3.420	.1919	1.304	.1424
#1	69010.	974.6	27.21	1658.	28.83	373400.
#2	69780.	980.7	28.97	1658.	29.19	374500.
#3	69810.	970.6	27.46	1652.	28.43	373900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.43**	**274.8**	**260.1**	**398.7**	**121800.**	**20750.**
Stddev	.12	1.3	.6	4.3	158.	144.
%RSD	.4619	.4659	.2217	1.076	.1297	.6946
#1	25.29	273.4	259.6	393.8	121700.	20580.
#2	25.47	275.0	260.8	401.7	122000.	20810.
#3	25.52	276.0	260.0	400.7	121900.	20850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**109000.**	**2379.**	**14210.**	**352.6**	**954.1**	**84.88**
Stddev	217.	5.	141.	2.4	.8	2.14
%RSD	.1986	.2220	.9940	.6669	.0873	2.523
#1	108800.	2376.	14040.	350.4	953.5	82.54
#2	109200.	2385.	14300.	352.4	955.0	85.36
#3	108900.	2375.	14280.	355.1	953.6	86.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-7-c ms Acquired: 8/22/2016 11:39:31 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**981.1**	**921.1**	**454.1**	**1127.**	**264.8**	**239.7**
Stddev	4.7	8.1	1.2	2.	1.6	.4
%RSD	.4837	.8784	.2595	.2151	.5894	.1559
#1	983.0	913.2	452.9	1128.	263.1	239.5
#2	975.6	920.8	454.1	1128.	266.1	239.4
#3	984.5	929.4	455.3	1124.	265.2	240.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**269.0**	**1357.**	**3449.**	**1827.**
Stddev	1.8	9.	11.	29.
%RSD	.6836	.6955	.3300	1.597
#1	267.6	1346.	3443.	1815.
#2	271.1	1361.	3462.	1860.
#3	268.3	1363.	3441.	1806.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3981.3**	**39037.**	**6144.7**
Stddev	7.6	256.	37.7
%RSD	.19196	.65482	.61307
#1	3973.2	38761.	6109.5
#2	3982.0	39084.	6140.2
#3	3988.5	39265.	6184.4

Sample Name: 460-118876-a-7-b du Acquired: 8/22/2016 11:43:18 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**70070.**	**25.95**	**3.271**	**750.2**	**3.047**	F **323600.**
Stddev	942.	1.88	.523	1.1	.077	4874.
%RSD	1.344	7.250	16.00	.1418	2.521	1.506
#1	69050.	25.50	2.894	750.0	2.967	317900.
#2	70260.	24.34	3.869	751.3	3.056	326100.
#3	70910.	28.02	3.050	749.2	3.120	326700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.061**	**39.33**	**263.7**	**170.4**	**106100.**	**13700.**
Stddev	.304	.21	4.7	1.7	1339.	242.
%RSD	28.66	.5413	1.766	.9981	1.263	1.769
#1	1.411	39.15	258.3	168.9	104600.	13450.
#2	.9213	39.57	266.7	170.0	106600.	13720.
#3	.8526	39.28	266.0	172.3	107100.	13930.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54790.**	**2368.**	**4593.**	**90.67**	**580.0**	**.6743**
Stddev	786.	28.	64.	.28	2.6	1.717
%RSD	1.433	1.198	1.394	.3126	.4516	254.6
#1	53890.	2335.	4520.	90.75	580.6	1.499
#2	55190.	2382.	4624.	90.35	582.2	1.823
#3	55300.	2386.	4637.	90.90	577.1	-1.299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-7-b du Acquired: 8/22/2016 11:43:18 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0545**	**-2.513**	**203.1**	**838.6**	**42.80**	**4.394**
Stddev	3.685	1.760	3.0	5.0	.54	.379
%RSD	6759.	70.04	1.456	.5992	1.271	8.633
#1	1.549	-1.278	199.7	834.4	42.17	4.823
#2	-4.143	-4.528	204.6	844.2	43.09	4.258
#3	2.757	-1.733	205.1	837.2	43.13	4.102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**21.83**	**1270.**	**3444.**	**1939.**
Stddev	.80	14.	23.	17.
%RSD	3.686	1.125	.6782	.8589
#1	22.33	1255.	3417.	1921.
#2	20.90	1273.	3455.	1943.
#3	22.26	1283.	3460.	1953.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4073.6**	**40164.**	**6209.1**
Stddev	7.9	468.	72.8
%RSD	.19319	1.1663	1.1728
#1	4077.0	40704.	6278.8
#2	4064.6	39888.	6215.2
#3	4079.2	39899.	6133.5

Sample Name: 460-118876-a-7-a@4 Acquired: 8/22/2016 11:47:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**64080.**	**33.99**	**3.255**	**678.8**	**1.935**	F **295000.**
Stddev	675.	2.55	.817	.7	.130	1199.
%RSD	1.054	7.497	25.11	.1077	6.720	.4065
#1	63370.	35.22	2.351	678.2	1.896	294000.
#2	64150.	35.69	3.942	679.6	1.828	294700.
#3	64710.	31.06	3.471	678.6	2.079	296300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8010**	**34.73**	**148.7**	**186.7**	**102500.**	**13270.**
Stddev	.0407	.27	1.5	1.7	211.	179.
%RSD	5.079	.7820	.9996	.8854	.2057	1.349
#1	.8416	34.93	147.4	184.8	102200.	13090.
#2	.8012	34.42	150.3	187.8	102600.	13290.
#3	.7602	34.84	148.4	187.6	102600.	13450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51190.**	**1596.**	**5085.**	**107.8**	**536.1**	**1.249**
Stddev	125.	5.	73.	1.8	4.5	.972
%RSD	.2450	.3003	1.434	1.628	.8315	77.84
#1	51050.	1591.	5002.	106.0	531.2	1.281
#2	51220.	1599.	5113.	107.8	539.9	.2613
#3	51300.	1599.	5139.	109.5	537.1	2.205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-7-a@4 Acquired: 8/22/2016 11:47:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.151**	**-4.782**	**182.5**	**820.3**	**26.27**	**6.699**
Stddev	4.027	2.789	1.7	7.4	.97	.731
%RSD	349.9	58.32	.9479	.9051	3.706	10.92
#1	4.927	-1.702	180.7	820.5	25.40	6.245
#2	1.614	-7.135	182.5	827.7	26.10	7.542
#3	-3.088	-5.509	184.2	812.8	27.32	6.308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**20.19**	**1086.**	**3421.**	**1661.**
Stddev	.86	8.	13.	22.
%RSD	4.266	.7479	.3786	1.313
#1	21.18	1076.	3407.	1647.
#2	19.84	1089.	3433.	1686.
#3	19.56	1092.	3422.	1650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4022.2**	**39633.**	**6146.8**
Stddev	2.9	109.	88.5
%RSD	.07130	.27442	1.4402
#1	4019.5	39596.	6233.4
#2	4021.9	39755.	6150.4
#3	4025.2	39547.	6056.5

Sample Name: sd 460-118876-a-7-a Acquired: 8/22/2016 11:50:59 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12610.**	**7.443**	**.5332**	**135.7**	**.4681**	**58080.**
Stddev	133.	1.434	.1240	.2	.2713	435.
%RSD	1.057	19.27	23.25	.1312	57.94	.7495
#1	12460.	5.791	.4729	135.6	.1699	57600.
#2	12630.	8.363	.4509	135.6	.7002	58190.
#3	12730.	8.177	.6758	135.9	.5343	58460.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0076**	**7.126**	**30.73**	**35.62**	**21330.**	**2573.**
Stddev	.2404	.244	.53	.55	295.	105.
%RSD	3172.	3.422	1.731	1.547	1.384	4.064
#1	.1755	7.379	30.22	35.12	20990.	2458.
#2	-.2678	7.107	30.69	35.53	21490.	2597.
#3	.1151	6.892	31.28	36.21	21520.	2663.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10570.**	**326.1**	**935.7**	**22.34**	**110.7**	**.5500**
Stddev	158.	.3	21.0	.80	1.2	2.938
%RSD	1.490	.1049	2.246	3.563	1.125	534.2
#1	10410.	326.5	911.6	22.20	110.4	-1.961
#2	10600.	326.1	950.0	21.62	112.0	3.780
#3	10720.	325.8	945.6	23.19	109.6	-.1692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118876-a-7-a Acquired: 8/22/2016 11:50:59 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.690**	**-2.185**	**36.11**	**171.1**	**4.998**	**1.416**
Stddev	4.838	5.091	.15	1.0	.420	.200
%RSD	131.1	233.0	.4155	.5972	8.412	14.14
#1	-1.248	-8.063	35.94	170.2	5.038	1.311
#2	3.896	.6796	36.18	171.0	4.559	1.291
#3	8.421	.8287	36.22	172.2	5.397	1.647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.421**	**214.6**	**680.0**	**298.2**
Stddev	.893	3.2	3.1	7.1
%RSD	20.21	1.488	.4490	2.384
#1	3.548	211.3	676.9	299.8
#2	5.333	215.0	680.1	290.4
#3	4.382	217.7	683.0	304.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.7**	**40785.**	**6019.6**
Stddev	23.4	119.	23.4
%RSD	.56585	.29226	.38827
#1	4108.4	40805.	6045.7
#2	4154.5	40892.	6000.7
#3	4138.3	40656.	6012.3

Sample Name: 460-118932-f-4-a@4 Acquired: 8/22/2016 11:54:53 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13830.**	**5.363**	**.3361**	**98.24**	**.4086**	**7054.**
Stddev	231.	1.726	.1720	.31	.4846	46.
%RSD	1.669	32.18	51.18	.3135	118.6	.6476
#1	13560.	3.459	.2582	98.42	.0296	7004.
#2	13980.	6.824	.2168	97.89	.9546	7093.
#3	13950.	5.805	.5333	98.42	.2415	7065.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8673**	**10.96**	**41.35**	**18.50**	**49790.**	**2194.**
Stddev	.1259	.43	1.69	.84	246.	72.
%RSD	14.51	3.922	4.081	4.557	.4931	3.294
#1	-.8577	10.75	39.41	17.69	49510.	2111.
#2	-.9978	10.67	42.21	18.42	49860.	2240.
#3	-.7465	11.45	42.43	19.37	49990.	2232.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5846.**	**523.5**	**572.0**	**20.22**	F **-11.64**	**-.9130**
Stddev	65.	2.3	18.8	.75	2.45	1.007
%RSD	1.111	.4459	3.289	3.685	21.02	110.3
#1	5776.	520.9	558.7	19.60	-9.255	.1800
#2	5859.	524.2	563.6	21.05	-14.14	-1.804
#3	5904.	525.4	593.5	20.02	-11.52	-1.115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118932-f-4-a@4 Acquired: 8/22/2016 11:54:53 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.726**	**-5.183**	**66.11**	**62.17**	**3.635**	**1.031**
Stddev	1.365	1.634	.89	.79	.515	.253
%RSD	23.84	31.53	1.346	1.263	14.16	24.52
#1	5.041	-5.162	66.55	61.64	3.460	.8635
#2	7.298	-6.827	65.09	61.80	4.214	.9069
#3	4.838	-3.559	66.70	63.07	3.231	1.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.007**	**18.24**	**1346.**	**551.4**
Stddev	.895	.29	2.	18.7
%RSD	14.90	1.580	.1329	3.390
#1	6.402	17.98	1348.	547.8
#2	4.982	18.19	1347.	534.7
#3	6.636	18.55	1344.	571.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4230.6**	**41852.**	**6278.6**
Stddev	19.0	231.	126.6
%RSD	.44954	.55140	2.0155
#1	4216.8	41963.	6424.7
#2	4252.3	41587.	6208.0
#3	4222.7	42007.	6203.1

Sample Name: 460-118857-e-1-b@4 Acquired: 8/22/2016 11:58:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44640.**	**16.27**	**2.240**	**1014.**	**1.000**	F **358500.**
Stddev	2589.	3.31	.152	1.	.161	6775.
%RSD	5.799	20.34	6.802	.0617	16.06	1.890
#1	41650.	14.81	2.343	1013.	1.073	360300.
#2	46100.	13.95	2.065	1014.	1.112	364300.
#3	46170.	20.06	2.313	1015.	.8163	351000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9475**	**19.36**	**100.7**	**84.91**	**63180.**	**6660.**
Stddev	.1912	.28	1.3	1.75	723.	407.
%RSD	20.18	1.446	1.247	2.063	1.144	6.110
#1	.7650	19.54	100.2	83.41	63190.	6190.
#2	.9312	19.04	102.1	84.49	63890.	6911.
#3	1.146	19.50	99.67	86.84	62450.	6879.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24150.**	**1032.**	**1617.**	**70.78**	**569.1**	**.0015**
Stddev	409.	13.	108.	.74	3.9	.2733
%RSD	1.691	1.279	6.689	1.050	.6779	17710.
#1	24290.	1034.	1493.	71.49	564.7	-.1186
#2	24480.	1044.	1661.	70.83	570.9	-.1911
#3	23700.	1018.	1696.	70.01	571.8	.3143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-1-b@4 Acquired: 8/22/2016 11:58:49 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.323**	**-4.314**	**102.4**	**927.6**	**42.57**	**10.96**
Stddev	6.472	3.077	1.3	3.2	.55	.17
%RSD	278.6	71.32	1.245	.3419	1.281	1.530
#1	-4.656	-.9839	101.4	926.3	42.57	11.14
#2	8.126	-4.906	103.8	925.2	43.12	10.81
#3	3.498	-7.051	101.9	931.2	42.03	10.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**17.21**	**390.5**	**2947.**	**993.5**
Stddev	.39	21.8	21.	25.4
%RSD	2.281	5.589	.7187	2.558
#1	17.66	365.3	2927.	964.5
#2	17.06	403.5	2969.	1012.
#3	16.91	402.7	2945.	1004.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4012.7**	**39853.**	**6175.6**
Stddev	20.9	1174.	214.8
%RSD	.52121	2.9452	3.4780
#1	3997.1	39104.	6421.9
#2	4004.6	39249.	6027.0
#3	4036.5	41205.	6077.9

Sample Name: 460-118857-e-2-b@4 Acquired: 8/22/2016 12:02:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22670.**	**4.476**	**1.525**	**441.7**	**1.125**	**27690.**
Stddev	317.	1.354	.532	.9	.194	165.
%RSD	1.397	30.25	34.86	.1960	17.24	.5969
#1	22340.	3.406	1.273	441.9	.9124	27500.
#2	22960.	4.024	2.136	442.5	1.293	27800.
#3	22720.	5.998	1.166	440.8	1.169	27780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4274**	**48.71**	**91.94**	**99.62**	**70890.**	**4729.**
Stddev	.0457	.36	.27	.34	37.	61.
%RSD	10.70	.7395	.2969	.3442	.0519	1.298
#1	-.4611	48.83	91.69	99.61	70860.	4660.
#2	-.4458	49.00	91.90	99.97	70930.	4779.
#3	-.3753	48.31	92.23	99.28	70880.	4747.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31410.**	**2501.**	**467.9**	**301.5**	**1.590**	**-1.683**
Stddev	161.	9.	14.7	1.6	.822	1.135
%RSD	.5127	.3776	3.134	.5383	51.69	67.39
#1	31230.	2490.	479.0	299.7	.9259	-.4478
#2	31460.	2505.	451.3	302.3	1.335	-1.925
#3	31550.	2507.	473.4	302.6	2.509	-2.678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-2-b@4 Acquired: 8/22/2016 12:02:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.757**	**-3.295**	**113.9**	**296.7**	**18.98**	**2.001**
Stddev	3.022	1.061	.4	.2	.61	.358
%RSD	109.6	32.19	.3176	.0673	3.197	17.89
#1	3.214	-2.613	113.5	296.8	18.38	1.729
#2	-.4684	-2.756	114.2	296.9	19.59	1.867
#3	5.524	-4.518	114.0	296.5	18.96	2.407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.928**	**66.65**	**1384.**	**637.0**
Stddev	1.132	.91	4.	2.7
%RSD	16.34	1.372	.3241	.4180
#1	8.213	65.59	1388.	640.1
#2	6.081	67.12	1385.	635.2
#3	6.490	67.23	1379.	635.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4196.0**	**41474.**	**6250.3**
Stddev	7.8	125.	101.7
%RSD	.18702	.30111	1.6274
#1	4187.1	41616.	6314.0
#2	4202.0	41380.	6133.0
#3	4199.0	41427.	6303.8

Sample Name: CCV Acquired: 8/22/2016 12:06:34 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125100.**	**2420.**	**1259.**	**10320.**	**1061.**	**131500.**
Stddev	604.	6.	3.	6.	4.	823.
%RSD	.4826	.2546	.2276	.0630	.3883	.6263
#1	124600.	2415.	1256.	10320.	1058.	130700.
#2	125000.	2418.	1262.	10320.	1058.	132400.
#3	125800.	2427.	1259.	10310.	1065.	131300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1265.**	**2429.**	**5281.**	**12010.**	**104800.**	**49250.**
Stddev	1.	4.	19.	30.	562.	318.
%RSD	.1169	.1528	.3515	.2472	.5366	.6453
#1	1266.	2433.	5263.	12010.	104200.	48920.
#2	1266.	2429.	5300.	11980.	105300.	49280.
#3	1264.	2426.	5279.	12040.	104800.	49550.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127700.**	**5307.**	**124100.**	**2451.**	**7607.**	**939.5**
Stddev	625.	22.	689.	5.	13.	3.9
%RSD	.4896	.4116	.5553	.2143	.1737	.4162
#1	127300.	5286.	123300.	2451.	7607.	935.0
#2	128400.	5330.	124100.	2456.	7621.	941.1
#3	127400.	5305.	124700.	2446.	7595.	942.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/22/2016 12:06:34 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2548.**	**2406.**	**2570.**	**2741.**	**958.4**	**2387.**
Stddev	7.	17.	9.	5.	7.3	6.
%RSD	.2934	.6858	.3322	.1677	.7580	.2400
#1	2550.	2418.	2560.	2743.	957.4	2383.
#2	2554.	2413.	2574.	2736.	966.2	2394.
#3	2539.	2387.	2575.	2745.	951.8	2385.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1069.**	**4902.**	**10980.**	**8875.**
Stddev	7.	14.	50.	63.
%RSD	.6154	.2842	.4541	.7133
#1	1068.	4886.	10920.	8907.
#2	1076.	4910.	10990.	8916.
#3	1063.	4910.	11020.	8802.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3932.5**	**38574.**	**5986.7**
Stddev	2.5	270.	83.5
%RSD	.06478	.70016	1.3943
#1	3931.0	38845.	6001.4
#2	3931.0	38305.	6061.8
#3	3935.4	38570.	5896.9

Sample Name: CCB Acquired: 8/22/2016 12:10:11 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.423**	**.1951**	**-.5361**	**-1.647**	**-.0043**	**-2.095**
Stddev	14.29	1.642	.5652	.051	.0770	5.755
%RSD	417.6	841.4	105.4	3.115	1778.	274.7
#1	19.33	-1.604	-1.109	-1.625	.0483	4.430
#2	-8.337	1.613	-.5199	-1.705	-.0927	-4.265
#3	-.7283	.5766	.0209	-1.610	.0313	-6.450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0619**	**-.1392**	**-.2259**	**.5042**	**-1.978**	**79.35**
Stddev	.1331	.2730	.3344	.4819	5.306	21.43
%RSD	214.9	196.2	148.0	95.58	268.3	27.00
#1	-.1873	-.3269	.1401	.2148	1.338	104.0
#2	.0777	-.2646	-.3027	1.060	-8.098	68.78
#3	-.0762	.1740	-.5153	.2372	.8263	65.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.112**	**.1594**	**-29.92**	**.2306**	**-.7606**	**-1.168**
Stddev	1.522	.1248	19.49	.5629	1.512	1.393
%RSD	21.40	78.30	65.14	244.1	198.7	119.3
#1	5.824	.2929	-20.98	.8689	-1.115	-.4056
#2	6.721	.0457	-52.28	.0178	-2.064	-.3230
#3	8.791	.1395	-16.51	-.1948	.8966	-2.777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/22/2016 12:10:11 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.098**	**-4.352**	**.0207**	**-1.544**	**2.127**	**.8570**
Stddev	4.153	3.392	.2713	.141	.706	.3823
%RSD	134.1	77.94	1310.	9.133	33.18	44.61
#1	.1554	-1.396	.2846	-1.456	2.816	1.279
#2	1.290	-8.056	-.2575	-1.706	2.160	.7571
#3	7.848	-3.605	.0350	-1.468	1.406	.5345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3729**	**-.1706**	**.4401**	**-26.35**
Stddev	.3221	.1143	.1303	14.15
%RSD	86.39	66.98	29.61	53.67
#1	-.6321	-.0463	.2958	-40.98
#2	-.4743	-.2710	.5491	-12.75
#3	-.0122	-.1944	.4754	-25.34
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4145.5**	**40733.**	**6021.4**
Stddev	17.1	318.	144.6
%RSD	.41240	.77960	2.4015
#1	4137.0	41064.	6078.7
#2	4134.3	40431.	5856.9
#3	4165.2	40703.	6128.5

Sample Name: CCVL Acquired: 8/22/2016 12:14:13 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**194.1**	**15.76**	**9.319**	**203.1**	**1.827**	**5067.**
Stddev	8.8	2.26	.609	.5	.028	3.
%RSD	4.537	14.32	6.534	.2456	1.556	.0685
#1	188.8	13.33	9.920	202.5	1.817	5071.
#2	204.3	16.17	9.335	203.3	1.805	5065.
#3	189.3	17.79	8.703	203.5	1.859	5065.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.035**	**48.99**	**10.27**	**22.95**	**160.7**	**4592.**
Stddev	.060	.23	.59	.15	3.4	130.
%RSD	1.493	.4719	5.697	.6399	2.101	2.836
#1	4.035	48.88	10.58	23.02	160.9	4449.
#2	4.096	49.26	10.64	22.78	157.2	4702.
#3	3.975	48.83	9.595	23.05	163.9	4626.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4859.**	**15.95**	**4443.**	**39.25**	**9.173**	**17.95**
Stddev	47.	.10	91.	.14	1.387	1.07
%RSD	.9711	.6574	2.058	.3627	15.13	5.943
#1	4820.	15.87	4343.	39.42	10.77	17.82
#2	4846.	15.91	4522.	39.15	8.264	16.96
#3	4912.	16.07	4463.	39.19	8.485	19.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/22/2016 12:14:13 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.70**	**17.03**	**50.02**	**32.99**	**47.09**	**18.83**
Stddev	.58	3.62	.30	.23	.33	.46
%RSD	2.439	21.23	.6040	.6964	.6909	2.440
#1	23.04	21.19	49.92	32.79	47.31	19.11
#2	24.05	15.26	49.79	32.94	47.24	19.08
#3	24.03	14.63	50.37	33.24	46.72	18.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**54.00**	**19.11**	**21.79**	F **-29.33**
Stddev	1.57	.31	.34	9.63
%RSD	2.904	1.597	1.561	32.85
#1	52.22	18.77	21.51	-26.76
#2	55.16	19.36	21.70	-21.24
#3	54.62	19.19	22.17	-39.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4154.4**	**41061.**	**6179.2**
Stddev	10.4	181.	127.7
%RSD	.24918	.44126	2.0665
#1	4166.3	40853.	6288.3
#2	4148.3	41185.	6038.8
#3	4148.5	41146.	6210.5

Sample Name: 460-118857-f-3-b@4 Acquired: 8/22/2016 12:18:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30750.**	**21.83**	**1.458**	**487.8**	**1.104**	F **426300.**
Stddev	424.	1.52	.457	1.4	.231	4084.
%RSD	1.380	6.944	31.35	.2885	20.89	.9580
#1	31230.	20.26	1.851	489.0	1.144	426000.
#2	30550.	23.29	.9563	488.0	.8566	430500.
#3	30460.	21.94	1.568	486.2	1.313	422400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5945**	**16.38**	**64.50**	**165.4**	**56190.**	**4878.**
Stddev	.2576	.33	.89	.9	483.	79.
%RSD	43.32	1.988	1.375	.5633	.8590	1.616
#1	.3331	16.51	63.89	165.3	56330.	4929.
#2	.6025	16.63	65.52	164.5	56600.	4787.
#3	.8480	16.02	64.10	166.4	55660.	4917.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**83430.**	**887.7**	**1067.**	**61.10**	**532.9**	**.2909**
Stddev	517.	5.6	34.	.97	.6	.8127
%RSD	.6195	.6305	3.173	1.594	.1111	279.4
#1	83350.	888.5	1091.	60.01	533.5	.0221
#2	83970.	892.9	1028.	61.89	532.3	-.3534
#3	82950.	881.8	1081.	61.39	532.8	1.204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-f-3-b@4 Acquired: 8/22/2016 12:18:14 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.917**	**-2.957**	**124.5**	**754.0**	**66.96**	**5.533**
Stddev	3.857	1.120	1.0	11.0	.69	.384
%RSD	48.72	37.89	.8324	1.457	1.034	6.946
#1	6.477	-3.069	123.4	761.2	66.49	5.864
#2	4.987	-4.018	125.5	759.5	66.63	5.624
#3	12.29	-1.785	124.5	741.3	67.75	5.112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**14.22**	**1207.**	**1728.**	**3098.**
Stddev	.72	15.	14.	111.
%RSD	5.074	1.244	.8091	3.577
#1	14.22	1220.	1741.	3106.
#2	14.94	1191.	1729.	2984.
#3	13.50	1210.	1713.	3205.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3916.7**	**38698.**	**6110.1**
Stddev	28.2	422.	318.6
%RSD	.71939	1.0916	5.2147
#1	3888.5	38598.	5862.4
#2	3916.8	38334.	5998.2
#3	3944.8	39161.	6469.5

Sample Name: 460-118857-f-4-b@4 Acquired: 8/22/2016 12:22:05 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37590.**	**6.562**	**1.641**	**356.5**	**1.502**	**20880.**
Stddev	1410.	3.349	1.106	1.0	.236	403.
%RSD	3.751	51.03	67.39	.2740	15.72	1.930
#1	35970.	10.42	1.079	355.4	1.690	20430.
#2	38350.	4.413	.9296	357.2	1.237	21190.
#3	38460.	4.852	2.916	356.9	1.579	21040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0524**	**36.62**	**103.1**	**61.36**	**72080.**	**5375.**
Stddev	.3297	.20	1.5	1.27	1254.	171.
%RSD	629.0	.5490	1.487	2.070	1.739	3.173
#1	.2723	36.62	101.4	60.02	70640.	5180.
#2	.2116	36.81	103.3	61.52	72890.	5450.
#3	-.3267	36.41	104.4	62.55	72720.	5495.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32430.**	**2859.**	**1189.**	**221.8**	**4.657**	**-.2433**
Stddev	484.	47.	54.	1.8	3.427	1.509
%RSD	1.492	1.633	4.528	.7907	73.59	620.1
#1	31890.	2806.	1127.	221.5	8.471	.8562
#2	32800.	2894.	1221.	223.7	3.664	-1.963
#3	32610.	2877.	1219.	220.2	1.836	.3771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-f-4-b@4 Acquired: 8/22/2016 12:22:05 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.426**	**-5.612**	**160.8**	**345.6**	**8.676**	**1.840**
Stddev	2.797	2.336	3.6	1.7	.281	.202
%RSD	81.64	41.62	2.237	.4815	3.239	10.97
#1	6.154	-6.269	156.7	343.7	8.691	2.018
#2	.5650	-7.549	163.0	346.5	8.950	1.620
#3	3.558	-3.018	162.8	346.6	8.388	1.881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.449**	**101.0**	**2252.**	**636.4**
Stddev	.601	4.1	41.	49.1
%RSD	9.324	4.015	1.840	7.718
#1	5.937	96.32	2204.	597.4
#2	6.300	103.6	2277.	691.6
#3	7.111	103.1	2275.	620.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4249.3**	**42094.**	**6476.2**
Stddev	2.3	404.	147.9
%RSD	.05298	.96094	2.2834
#1	4247.3	42509.	6548.7
#2	4251.7	41700.	6573.9
#3	4248.7	42072.	6306.1

Sample Name: 460-118857-f-6-a@4 Acquired: 8/22/2016 12:25:57 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42240.**	**22.88**	**2.749**	**460.9**	**1.364**	**78200.**
Stddev	201.	3.25	.138	1.5	.151	713.
%RSD	.4755	14.20	5.031	.3183	11.10	.9114
#1	42030.	22.43	2.908	459.3	1.198	78410.
#2	42280.	26.33	2.682	461.6	1.495	78780.
#3	42430.	19.88	2.656	462.0	1.399	77400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1671**	**36.91**	**87.31**	**141.2**	**96220.**	**9527.**
Stddev	.2364	.31	.27	2.2	606.	37.
%RSD	141.5	.8301	.3048	1.573	.6301	.3832
#1	-.2885	36.80	87.35	139.3	96190.	9485.
#2	-.3180	37.26	87.56	140.7	96840.	9554.
#3	.1053	36.68	87.03	143.7	95630.	9540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26480.**	**1878.**	**1096.**	**105.4**	F **15820.**	**.1096**
Stddev	176.	6.	29.	.5	22.	1.621
%RSD	.6634	.3400	2.615	.4587	.1389	1479.
#1	26490.	1876.	1087.	105.1	15800.	1.049
#2	26650.	1885.	1073.	105.1	15840.	-1.762
#3	26290.	1872.	1128.	105.9	15830.	1.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118857-f-6-a@4 Acquired: 8/22/2016 12:25:57 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.916**	**-4.000**	**130.9**	**534.4**	**14.69**	**2.915**
Stddev	3.337	2.298	1.2	1.8	.32	.229
%RSD	114.4	57.45	.9004	.3317	2.159	7.848
#1	6.753	-6.652	129.5	533.6	15.06	2.753
#2	.6848	-2.723	131.5	536.4	14.50	3.177
#3	1.311	-2.624	131.6	533.2	14.51	2.816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**16.77**	**265.6**	**2475.**	**737.4**
Stddev	.63	1.0	3.	15.6
%RSD	3.776	.3950	.1195	2.118
#1	16.95	264.6	2473.	734.1
#2	16.07	265.6	2473.	754.4
#3	17.30	266.7	2478.	723.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4160.8**	**41268.**	**6138.0**
Stddev	17.9	594.	98.7
%RSD	.42948	1.4388	1.6083
#1	4147.3	40870.	6245.7
#2	4154.0	40984.	6116.4
#3	4181.0	41951.	6051.8

Sample Name: 460-118857-e-7-a@4 Acquired: 8/22/2016 12:29:47 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39290.**	**40.00**	**3.027**	**701.9**	**1.330**	**62070.**
Stddev	393.	1.41	.809	1.5	.139	859.
%RSD	1.000	3.532	26.73	.2094	10.42	1.385
#1	38880.	40.35	2.149	700.2	1.170	62770.
#2	39670.	41.20	3.191	702.9	1.422	62320.
#3	39310.	38.45	3.742	702.5	1.396	61110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7757**	**47.15**	**153.5**	**216.8**	**111300.**	**10150.**
Stddev	.2536	.69	1.5	3.1	984.	69.
%RSD	32.69	1.470	.9807	1.422	.8837	.6785
#1	-1.044	46.40	154.4	213.3	112000.	10080.
#2	-.7439	47.29	154.3	217.9	111800.	10140.
#3	-.5395	47.76	151.8	219.1	110200.	10220.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33270.**	**1690.**	**1308.**	**194.6**	**4635.**	**3.394**
Stddev	455.	15.	22.	2.1	17.	1.678
%RSD	1.366	.9061	1.683	1.058	.3590	49.44
#1	33590.	1698.	1282.	192.2	4616.	2.633
#2	33470.	1699.	1322.	196.1	4644.	5.317
#3	32750.	1672.	1318.	195.4	4645.	2.231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-7-a@4 Acquired: 8/22/2016 12:29:47 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.606**	**-.4352**	**133.0**	**800.5**	**17.80**	**2.561**
Stddev	4.147	2.924	.5	1.9	.58	.527
%RSD	258.2	671.9	.3667	.2424	3.235	20.58
#1	4.831	.1807	132.6	802.2	17.20	2.834
#2	3.059	-3.618	133.6	800.9	17.87	1.954
#3	-3.071	2.132	132.9	798.4	18.34	2.896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**133.5**	**189.8**	**2834.**	**782.4**
Stddev	1.5	1.8	9.	6.1
%RSD	1.090	.9517	.3199	.7804
#1	134.9	189.6	2825.	777.8
#2	133.4	191.7	2843.	780.1
#3	132.0	188.1	2833.	789.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.2**	**40525.**	**6030.7**
Stddev	9.5	648.	63.8
%RSD	.22939	1.5986	1.0587
#1	4145.2	39985.	6028.5
#2	4150.6	40346.	5968.0
#3	4163.7	41243.	6095.7

Sample Name: 460-118857-e-8-a@4 Acquired: 8/22/2016 12:33:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48570.**	**9.758**	**3.183**	**509.8**	**.4879**	**24950.**
Stddev	295.	1.376	.189	1.0	.2024	156.
%RSD	.6066	14.11	5.926	.2059	41.49	.6268
#1	48230.	8.537	3.239	510.9	.2897	24820.
#2	48690.	9.488	3.338	509.5	.4797	25130.
#3	48780.	11.25	2.973	508.9	.6943	24900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8848**	**53.71**	**124.1**	**149.1**	**113400.**	**18540.**
Stddev	.3212	.12	.2	.6	432.	144.
%RSD	36.30	.2300	.1664	.4002	.3812	.7774
#1	-1.048	53.83	124.1	148.5	113200.	18380.
#2	-1.091	53.71	123.9	149.7	113900.	18590.
#3	-.5148	53.59	124.3	149.2	113200.	18650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29790.**	**2081.**	**1039.**	**129.4**	**3554.**	**1.336**
Stddev	108.	6.	4.	.3	3.	1.380
%RSD	.3624	.2700	.4180	.2024	.0749	103.4
#1	29730.	2075.	1041.	129.1	3556.	2.227
#2	29920.	2087.	1034.	129.4	3551.	2.035
#3	29740.	2080.	1042.	129.6	3556.	-.2546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-8-a@4 Acquired: 8/22/2016 12:33:36 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.385**	**-2.880**	**177.3**	**471.8**	**12.07**	**3.145**
Stddev	2.211	1.827	1.3	5.4	.81	.146
%RSD	50.42	63.46	.7581	1.154	6.721	4.643
#1	3.286	-3.393	176.0	475.0	11.14	3.063
#2	6.929	-.8506	178.6	475.0	12.52	3.059
#3	2.939	-4.396	177.3	465.5	12.56	3.314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.309**	**111.0**	**5465.**	**753.2**
Stddev	.048	1.1	9.	14.7
%RSD	.6591	.9742	.1621	1.951
#1	7.287	109.7	5474.	736.3
#2	7.364	111.4	5464.	762.5
#3	7.276	111.8	5457.	760.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4236.2**	**41669.**	**6325.3**
Stddev	61.2	303.	94.4
%RSD	1.4456	.72609	1.4920
#1	4185.8	41608.	6292.1
#2	4218.6	41402.	6251.9
#3	4304.4	41997.	6431.7

Sample Name: 460-118857-e-9-a@4 Acquired: 8/22/2016 12:37:25 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39070.**	**17.36**	**2.798**	**446.3**	**1.281**	**75590.**
Stddev	1260.	1.55	.335	1.1	.050	279.
%RSD	3.225	8.915	11.99	.2392	3.885	.3696
#1	37620.	16.74	2.576	445.4	1.246	75280.
#2	39740.	19.12	2.635	447.5	1.338	75810.
#3	39860.	16.22	3.184	446.1	1.259	75700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.471**	**34.59**	**93.82**	**123.6**	**85430.**	**9042.**
Stddev	.157	.11	.54	1.3	460.	280.
%RSD	6.353	.3312	.5784	1.084	.5385	3.092
#1	2.650	34.46	93.22	122.2	84900.	8719.
#2	2.406	34.66	94.28	124.9	85740.	9187.
#3	2.358	34.65	93.96	123.8	85650.	9219.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24660.**	**1965.**	**1232.**	**108.8**	F **58230.**	**-3.957**
Stddev	73.	7.	43.	.4	4.	1.337
%RSD	.2949	.3726	3.517	.4130	.0060	33.80
#1	24590.	1957.	1184.	109.1	58230.	-3.952
#2	24740.	1970.	1246.	108.3	58230.	-2.622
#3	24650.	1968.	1267.	108.9	58220.	-5.297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118857-e-9-a@4 Acquired: 8/22/2016 12:37:25 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.076**	**-6.795**	**110.5**	**1280.**	**15.35**	**3.906**
Stddev	4.079	1.486	1.1	3.	.34	.710
%RSD	132.6	21.87	1.018	.2450	2.228	18.18
#1	-1.373	-7.722	109.5	1284.	15.07	3.529
#2	6.641	-7.580	110.3	1277.	15.24	4.725
#3	3.960	-5.081	111.7	1279.	15.73	3.464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**17.35**	**271.0**	**2313.**	**794.1**
Stddev	1.79	8.8	15.	32.8
%RSD	10.31	3.264	.6633	4.133
#1	15.36	260.8	2295.	756.7
#2	18.82	277.1	2319.	818.0
#3	17.87	275.0	2324.	807.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4186.7**	**41331.**	**6352.9**
Stddev	14.1	113.	96.1
%RSD	.33794	.27369	1.5123
#1	4173.0	41248.	6432.3
#2	4201.2	41285.	6380.3
#3	4185.7	41460.	6246.1

Sample Name: 460-118857-e-10-a@4 Acquired: 8/22/2016 12:41:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22240.**	**7.708**	**1.336**	**207.4**	**.9051**	**15900.**
Stddev	598.	1.524	.595	.1	.1692	134.
%RSD	2.689	19.77	44.56	.0294	18.70	.8447
#1	21550.	5.956	1.674	207.5	.8260	16060.
#2	22530.	8.722	.6488	207.4	1.099	15810.
#3	22630.	8.447	1.686	207.4	.7899	15840.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5241**	**33.42**	**127.7**	**94.14**	**55560.**	**5015.**
Stddev	.1636	.41	.3	2.39	241.	146.
%RSD	31.21	1.223	.2068	2.539	.4344	2.919
#1	-.6721	33.41	127.5	91.41	55810.	4846.
#2	-.3484	33.02	128.0	95.12	55550.	5094.
#3	-.5519	33.84	127.6	95.88	55330.	5105.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13560.**	**1541.**	**1040.**	**55.39**	**23.95**	**-1.061**
Stddev	18.	2.	37.	.77	3.02	.151
%RSD	.1331	.1397	3.573	1.395	12.60	14.22
#1	13540.	1544.	999.8	54.67	20.50	-1.103
#2	13580.	1540.	1048.	55.31	26.07	-.8929
#3	13570.	1540.	1073.	56.20	25.29	-1.185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-10-a@4 Acquired: 8/22/2016 12:41:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.270**	**-3.400**	**84.62**	**150.9**	**8.058**	**30.80**
Stddev	4.954	.993	.17	.8	.763	.28
%RSD	116.0	29.21	.2034	.5113	9.463	.8931
#1	-1.411	-2.919	84.47	150.0	7.870	30.98
#2	7.685	-4.543	84.81	151.1	8.898	30.48
#3	6.537	-2.740	84.58	151.5	7.408	30.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.917**	**53.44**	**1856.**	**756.5**
Stddev	2.124	1.59	10.	12.0
%RSD	30.70	2.972	.5299	1.586
#1	6.459	51.60	1844.	754.6
#2	9.233	54.29	1862.	769.4
#3	5.060	54.41	1861.	745.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4200.9**	**42148.**	**6306.9**
Stddev	5.8	745.	86.7
%RSD	.13798	1.7672	1.3745
#1	4194.2	41288.	6406.9
#2	4204.3	42547.	6252.6
#3	4204.1	42608.	6261.2

Sample Name: 460-118857-e-11-a@4 Acquired: 8/22/2016 12:45:07 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17130.**	**5.169**	**.8553**	**136.8**	**.8424**	**12070.**
Stddev	476.	2.327	.4347	.5	.0144	100.
%RSD	2.777	45.02	50.82	.3490	1.715	.8322
#1	16580.	5.031	.8118	136.7	.8583	11970.
#2	17360.	2.915	1.310	136.4	.8391	12070.
#3	17440.	7.563	.4440	137.4	.8300	12170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7532**	**15.79**	**34.32**	**35.31**	**39700.**	**3929.**
Stddev	.1359	.33	1.02	1.19	474.	131.
%RSD	18.05	2.061	2.987	3.385	1.195	3.339
#1	-.6458	15.45	34.01	34.01	39190.	3778.
#2	-.9060	16.10	33.49	35.58	39800.	4017.
#3	-.7077	15.82	35.47	36.35	40120.	3992.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11710.**	**1430.**	**512.3**	**57.77**	**96.98**	**-2.188**
Stddev	158.	10.	9.4	.16	2.68	2.520
%RSD	1.349	.7265	1.842	.2816	2.760	115.2
#1	11560.	1418.	505.2	57.92	99.88	-5.079
#2	11680.	1432.	508.8	57.60	94.59	-1.026
#3	11880.	1439.	523.0	57.80	96.48	-.4587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-11-a@4 Acquired: 8/22/2016 12:45:07 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.194**	**-4.481**	**40.67**	**91.22**	**8.479**	**2.163**
Stddev	1.817	1.712	.17	.37	.137	.227
%RSD	34.99	38.19	.4191	.4102	1.619	10.50
#1	6.641	-2.583	40.81	91.65	8.482	1.970
#2	5.788	-4.954	40.71	90.95	8.615	2.413
#3	3.155	-5.907	40.48	91.08	8.341	2.105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.838**	**68.09**	**819.5**	**705.7**
Stddev	.196	1.80	7.8	36.9
%RSD	2.864	2.648	.9480	5.228
#1	7.026	66.02	811.0	672.7
#2	6.635	69.34	821.4	698.9
#3	6.853	68.91	826.2	745.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4214.7**	**41923.**	**6237.3**
Stddev	14.3	211.	22.3
%RSD	.33941	.50436	.35690
#1	4201.0	42080.	6234.1
#2	4229.5	42006.	6261.0
#3	4213.6	41683.	6216.8

Sample Name: 460-118857-f-12-a@4 Acquired: 8/22/2016 12:49:03 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23970.**	**5.621**	**1.322**	**197.4**	**-.5535**	**11640.**
Stddev	593.	1.519	.318	.6	.4152	105.
%RSD	2.475	27.01	24.04	.2841	75.02	.9048
#1	23280.	4.208	1.650	196.8	-.3880	11600.
#2	24320.	7.227	1.300	197.3	-.2465	11560.
#3	24300.	5.429	1.016	197.9	-1.026	11760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7049**	**22.61**	**69.13**	**62.40**	**64440.**	**5282.**
Stddev	.1855	.03	.54	1.74	493.	128.
%RSD	26.32	.1448	.7820	2.783	.7646	2.431
#1	-.5921	22.58	69.66	60.40	63920.	5134.
#2	-.6035	22.61	68.58	63.31	64500.	5355.
#3	-.9190	22.64	69.14	63.50	64910.	5357.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12250.**	**1447.**	**821.9**	**84.24**	**-8.394**	**-1.148**
Stddev	237.	11.	42.7	.15	.920	1.111
%RSD	1.934	.7627	5.194	.1770	10.96	96.82
#1	12010.	1437.	777.0	84.07	-8.467	-.0028
#2	12250.	1445.	826.9	84.28	-9.275	-1.218
#3	12490.	1459.	861.9	84.35	-7.440	-2.222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-f-12-a@4 Acquired: 8/22/2016 12:49:03 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.899**	**-3.553**	**81.72**	**165.2**	**2.361**	**1.690**
Stddev	2.490	.401	1.07	1.2	1.075	.399
%RSD	63.85	11.30	1.313	.7127	45.52	23.58
#1	1.030	-3.882	80.52	165.2	2.910	1.315
#2	5.181	-3.106	82.58	166.4	1.123	2.109
#3	5.488	-3.672	82.06	164.0	3.051	1.647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.384**	**26.28**	**3047.**	**583.5**
Stddev	.356	.75	16.	7.0
%RSD	6.606	2.850	.5180	1.194
#1	5.734	25.42	3030.	584.4
#2	5.023	26.58	3051.	590.1
#3	5.397	26.83	3061.	576.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4262.8**	**42153.**	**6234.6**
Stddev	40.7	301.	111.9
%RSD	.95506	.71490	1.7951
#1	4241.5	41926.	6338.5
#2	4237.2	42495.	6116.1
#3	4309.8	42039.	6249.2

Sample Name: 460-118857-e-13-a@4 Acquired: 8/22/2016 12:52:56 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34100.**	**15.83**	**2.151**	**353.9**	**.8491**	**74120.**
Stddev	758.	.01	.197	.5	.1183	1976.
%RSD	2.222	.0488	9.162	.1287	13.94	2.666
#1	33230.	15.83	2.345	353.4	.9682	74600.
#2	34580.	15.82	1.951	354.2	.7316	75820.
#3	34500.	15.83	2.157	354.0	.8474	71950.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2339**	**32.92**	**75.92**	**104.1**	**76950.**	**8502.**
Stddev	.2201	.36	1.81	1.9	1367.	243.
%RSD	94.10	1.089	2.379	1.872	1.777	2.860
#1	.1301	33.02	75.87	102.4	77060.	8222.
#2	.0849	32.52	77.75	103.6	78260.	8667.
#3	.4867	33.21	74.13	106.2	75530.	8616.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25160.**	**1930.**	**561.5**	**91.66**	**10010.**	**-1.795**
Stddev	476.	31.	37.2	1.61	10.	1.223
%RSD	1.893	1.586	6.618	1.754	.1046	68.14
#1	25270.	1938.	519.7	90.66	9995.	-.7842
#2	25570.	1956.	590.8	93.51	10020.	-1.447
#3	24640.	1897.	574.0	90.80	10010.	-3.155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-13-a@4 Acquired: 8/22/2016 12:52:56 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.103**	**-3.585**	**103.1**	**582.0**	**9.109**	**1.839**
Stddev	3.248	.834	1.3	2.5	.254	.245
%RSD	104.7	23.28	1.236	.4278	2.787	13.34
#1	-.6082	-3.370	103.1	579.2	8.967	1.870
#2	5.428	-2.879	104.4	583.8	9.402	2.068
#3	4.489	-4.505	101.9	583.1	8.957	1.580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.51**	**139.9**	**2488.**	**757.7**
Stddev	1.19	4.2	14.	23.8
%RSD	7.703	3.027	.5467	3.146
#1	16.41	135.0	2481.	730.9
#2	14.15	142.8	2504.	765.8
#3	15.97	141.8	2480.	776.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4160.4**	**41911.**	**6415.3**
Stddev	2.6	1190.	80.8
%RSD	.06288	2.8398	1.2598
#1	4157.5	41495.	6354.0
#2	4161.1	40984.	6506.9
#3	4162.6	43253.	6385.1

Sample Name: CCV Acquired: 8/22/2016 12:56:48 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124600.**	**2420.**	**1265.**	**10350.**	**1077.**	**131600.**
Stddev	232.	5.	5.	6.	1.	709.
%RSD	.1865	.2125	.4066	.0586	.0582	.5385
#1	124400.	2417.	1269.	10350.	1077.	132400.
#2	124500.	2426.	1259.	10350.	1076.	131400.
#3	124800.	2417.	1267.	10360.	1078.	131000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1261.**	**2406.**	**5288.**	**12090.**	**105300.**	**48950.**
Stddev	1.	4.	22.	56.	463.	163.
%RSD	.1181	.1597	.4253	.4603	.4393	.3335
#1	1261.	2402.	5314.	12090.	105800.	48770.
#2	1260.	2406.	5278.	12040.	105100.	49010.
#3	1263.	2410.	5272.	12150.	104900.	49080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126600.**	**5294.**	**123800.**	**2405.**	**7584.**	**937.3**
Stddev	551.	23.	261.	7.	10.	3.1
%RSD	.4355	.4386	.2106	.3099	.1360	.3292
#1	127200.	5321.	123500.	2399.	7587.	939.1
#2	126400.	5283.	123900.	2403.	7573.	933.7
#3	126200.	5279.	124000.	2414.	7593.	939.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/22/2016 12:56:48 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2625.**	**2346.**	**2582.**	**2749.**	**955.2**	**2382.**
Stddev	12.	20.	5.	5.	4.5	.
%RSD	.4644	.8441	.1819	.1750	.4745	.0191
#1	2618.	2324.	2586.	2753.	951.0	2382.
#2	2639.	2363.	2577.	2744.	960.0	2383.
#3	2618.	2349.	2583.	2751.	954.4	2382.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1092.**	**4840.**	F **11320.**	**8790.**
Stddev	3.	10.	29.	28.
%RSD	.2932	.2091	.2561	.3154
#1	1095.	4829.	11350.	8759.
#2	1089.	4844.	11300.	8812.
#3	1092.	4848.	11320.	8798.
Check ?	Chk Pass	Chk Pass	Chk Fail	None
Value			10000.	
Range			10.50%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.7**	**38428.**	**5991.5**
Stddev	5.5	215.	25.6
%RSD	.14076	.56037	.42713
#1	3934.8	38228.	5978.1
#2	3930.5	38401.	6021.0
#3	3923.9	38656.	5975.3

Sample Name: CCB Acquired: 8/22/2016 13:00:24 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.198**	**.9470**	**.0981**	**-1.595**	**-.1651**	**-2.537**
Stddev	13.48	1.217	.8636	.134	.0441	4.712
%RSD	1125.	128.5	880.7	8.419	26.68	185.7
#1	9.437	-.4451	.8529	-1.440	-.2156	.8134
#2	8.517	1.474	.2850	-1.682	-.1453	-7.925
#3	-14.36	1.812	-.8437	-1.662	-.1345	-.5002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1348**	**-.1149**	**-.0840**	**.2072**	**-4.858**	**63.06**
Stddev	.1398	.1157	.4237	.3860	9.271	14.44
%RSD	103.7	100.7	504.3	186.3	190.8	22.89
#1	.1998	-.2324	.0312	-.2187	5.699	64.49
#2	.2304	-.1112	.2701	.5340	-11.67	76.73
#3	-.0257	-.0011	-.5534	.3064	-8.603	47.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.425**	**.1913**	**-21.10**	**-.5817**	**-.3400**	**-1.274**
Stddev	7.018	.0401	9.36	.9002	.4226	.601
%RSD	289.4	20.97	44.34	154.7	124.3	47.18
#1	-5.398	.2369	-14.77	-1.594	-.0122	-1.661
#2	8.170	.1759	-16.68	.1285	-.1907	-1.579
#3	4.504	.1612	-31.84	-.2795	-.8169	-.5814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/22/2016 13:00:24 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.647**	**-4.568**	**-.1690**	**-1.520**	**2.271**	**1.051**
Stddev	3.188	1.486	.0917	.127	.695	.296
%RSD	41.69	32.53	54.29	8.336	30.59	28.12
#1	3.982	-2.998	-.1792	-1.445	2.930	1.319
#2	9.179	-4.756	-.0726	-1.667	2.337	.7339
#3	9.780	-5.952	-.2552	-1.450	1.546	1.101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.568**	**-.2793**	**.6806**	**-22.88**
Stddev	.819	.0882	.2411	15.66
%RSD	52.26	31.58	35.43	68.42
#1	2.510	-.3465	.9318	-5.068
#2	1.028	-.1794	.6589	-34.46
#3	1.165	-.3119	.4510	-29.12
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.8**	**40900.**	**6058.7**
Stddev	10.1	181.	45.2
%RSD	.24378	.44156	.74598
#1	4154.2	40795.	6029.1
#2	4134.8	41109.	6110.7
#3	4139.6	40797.	6036.2

Sample Name: CCVL Acquired: 8/22/2016 13:04:25 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**195.6**	**16.06**	**9.136**	**203.5**	**1.868**	**5024.**
Stddev	21.2	.53	.310	.5	.170	23.
%RSD	10.83	3.314	3.392	.2312	9.073	.4518
#1	203.7	15.49	9.019	203.6	1.802	5045.
#2	171.6	16.15	9.488	203.0	2.060	5000.
#3	211.5	16.55	8.902	203.9	1.741	5028.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.966**	**48.35**	**10.69**	**22.72**	**156.0**	**4514.**
Stddev	.121	.70	.33	.34	16.9	20.
%RSD	3.049	1.446	3.066	1.489	10.82	.4486
#1	4.096	48.16	10.33	22.39	155.6	4491.
#2	3.856	47.75	10.98	23.06	139.3	4521.
#3	3.948	49.12	10.75	22.70	173.0	4529.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4789.**	**15.83**	**4388.**	**38.63**	**10.02**	**16.16**
Stddev	14.	.09	32.	1.18	.15	1.52
%RSD	.2961	.5611	.7399	3.064	1.501	9.407
#1	4774.	15.75	4350.	39.52	10.18	17.74
#2	4793.	15.83	4403.	39.08	9.990	16.04
#3	4801.	15.93	4410.	37.28	9.881	14.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/22/2016 13:04:25 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22.49**	**16.15**	**49.10**	**33.19**	**46.16**	**18.83**
Stddev	4.34	3.52	.88	.19	.44	.15
%RSD	19.29	21.80	1.802	.5768	.9578	.8153
#1	17.48	16.18	48.16	32.97	45.93	18.78
#2	24.82	12.62	49.22	33.26	46.67	19.01
#3	25.16	19.66	49.92	33.33	45.89	18.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**53.22**	**18.56**	**22.11**	F **-28.66**
Stddev	1.18	.11	.10	18.30
%RSD	2.224	.6077	.4490	63.83
#1	54.17	18.43	22.18	-49.72
#2	51.89	18.61	21.99	-16.70
#3	53.58	18.64	22.15	-19.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4158.4**	**41272.**	**6114.0**
Stddev	3.5	88.	56.3
%RSD	.08449	.21205	.92087
#1	4154.4	41264.	6158.9
#2	4161.1	41362.	6132.3
#3	4159.8	41188.	6050.8

Sample Name: 460-118857-e-14-a@4 Acquired: 8/22/2016 13:08:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18660.**	**4.249**	**1.315**	**123.0**	**.8094**	**5193.**
Stddev	852.	2.038	.097	.4	.1752	93.
%RSD	4.564	47.97	7.389	.3106	21.64	1.797
#1	17680.	2.171	1.419	123.0	.9554	5085.
#2	19120.	6.244	1.298	122.7	.8575	5248.
#3	19180.	4.332	1.227	123.4	.6152	5246.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9166**	**18.43**	**42.15**	**40.40**	**53880.**	**2801.**
Stddev	.0466	.19	.90	.57	811.	100.
%RSD	5.089	1.014	2.141	1.415	1.504	3.553
#1	-.8785	18.24	41.18	39.78	52950.	2690.
#2	-.9686	18.46	42.30	40.91	54300.	2834.
#3	-.9026	18.61	42.97	40.52	54390.	2880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11140.**	**1249.**	**242.4**	**59.65**	**1.237**	**-2.658**
Stddev	267.	23.	1.9	1.12	1.521	1.326
%RSD	2.393	1.801	.8041	1.881	123.0	49.87
#1	10830.	1223.	241.1	58.71	2.583	-3.751
#2	11310.	1262.	244.6	59.36	1.542	-1.184
#3	11280.	1262.	241.4	60.90	-.4137	-3.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-14-a@4 Acquired: 8/22/2016 13:08:26 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.973**	**-4.175**	**58.22**	**125.5**	**5.033**	**.8978**
Stddev	3.421	1.357	1.81	.6	.098	.0137
%RSD	68.80	32.52	3.109	.4939	1.939	1.525
#1	1.603	-2.729	56.13	124.8	4.938	.8895
#2	8.444	-5.423	59.31	125.9	5.133	.8903
#3	4.872	-4.371	59.22	125.8	5.030	.9136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.805**	**20.70**	**899.1**	**518.6**
Stddev	1.740	1.09	13.2	14.8
%RSD	22.30	5.276	1.472	2.852
#1	7.203	19.44	883.9	522.6
#2	9.766	21.31	906.4	502.2
#3	6.446	21.35	907.1	530.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4196.0**	**42082.**	**6266.9**
Stddev	24.8	265.	195.6
%RSD	.59215	.62896	3.1208
#1	4168.9	42369.	6477.1
#2	4217.6	42029.	6233.4
#3	4201.7	41847.	6090.3

Sample Name: 460-118876-a-1-a@4 Acquired: 8/22/2016 13:12:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**59030.**	**20.85**	**2.590**	**367.2**	**2.435**	**11270.**
Stddev	297.	.39	.523	.7	.258	28.
%RSD	.5033	1.892	20.18	.1977	10.61	.2471
#1	58840.	21.24	2.089	367.9	2.671	11240.
#2	58870.	20.46	3.132	367.3	2.474	11280.
#3	59370.	20.85	2.550	366.5	2.159	11300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.712**	**30.12**	**114.0**	**89.66**	**97540.**	**6363.**
Stddev	.315	.23	1.2	.28	318.	8.
%RSD	18.38	.7638	1.081	.3143	.3259	.1228
#1	-1.358	30.27	112.6	89.34	97330.	6355.
#2	-1.822	29.86	114.3	89.89	97380.	6362.
#3	-1.958	30.24	115.0	89.74	97900.	6371.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10270.**	**1670.**	**327.0**	**53.93**	**226.4**	**-.7818**
Stddev	76.	2.	6.6	.19	3.4	1.916
%RSD	.7398	.1052	2.008	.3499	1.508	245.1
#1	10200.	1668.	325.5	54.02	228.7	-1.685
#2	10270.	1671.	321.3	53.71	222.5	1.419
#3	10350.	1671.	334.2	54.06	228.1	-2.080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-1-a@4 Acquired: 8/22/2016 13:12:22 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.284**	**-4.182**	**158.0**	**201.3**	**16.73**	**4.122**
Stddev	3.689	2.112	1.0	.6	.44	.373
%RSD	112.3	50.50	.6456	.3144	2.638	9.035
#1	-.4310	-2.872	156.8	201.1	17.05	3.693
#2	3.337	-3.055	158.4	200.8	16.23	4.346
#3	6.946	-6.618	158.7	202.0	16.91	4.329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**44.60**	**95.36**	**2232.**	**895.8**
Stddev	1.74	.34	5.	8.5
%RSD	3.893	.3609	.2245	.9473
#1	45.01	95.39	2228.	904.1
#2	42.69	95.00	2230.	896.2
#3	46.09	95.68	2237.	887.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4233.6**	**41896.**	**6262.2**
Stddev	8.5	165.	81.2
%RSD	.20038	.39341	1.2970
#1	4224.5	41760.	6285.6
#2	4235.0	42080.	6329.1
#3	4241.3	41849.	6171.8

Sample Name: 460-118932-f-2-a@10 Acquired: 8/22/2016 13:16:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12830.**	**3.466**	**.9562**	**43.94**	**.4494**	**1406.**
Stddev	17.	1.012	.5314	.22	.0397	13.
%RSD	.1287	29.19	55.57	.5007	8.827	.9585
#1	12840.	2.866	1.444	43.90	.4235	1392.
#2	12830.	2.897	1.035	44.18	.4950	1405.
#3	12810.	4.634	.3897	43.75	.4295	1419.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7967**	**5.712**	**32.50**	**14.29**	**34910.**	**989.6**
Stddev	.1834	.286	.16	.84	48.	58.5
%RSD	23.02	5.009	.4960	5.859	.1369	5.914
#1	-.7300	5.430	32.52	14.21	34880.	940.7
#2	-.6559	6.002	32.34	15.16	34890.	973.6
#3	-1.004	5.702	32.66	13.50	34970.	1054.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2908.**	**373.6**	**40.49**	**12.83**	**-6.745**	**-1.249**
Stddev	42.	2.4	9.75	.95	1.589	.965
%RSD	1.452	.6518	24.09	7.426	23.56	77.27
#1	2874.	370.9	46.19	12.19	-5.264	-.2604
#2	2897.	374.1	46.05	12.37	-6.548	-2.189
#3	2955.	375.7	29.23	13.93	-8.423	-1.298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118932-f-2-a@10 Acquired: 8/22/2016 13:16:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3715**	**-2.536**	**41.66**	**38.42**	**1.643**	**1.004**
Stddev	5.930	1.031	1.23	.31	.207	.426
%RSD	1596.	40.67	2.944	.8094	12.63	42.43
#1	5.850	-3.296	40.99	38.10	1.826	1.320
#2	-5.960	-2.951	40.91	38.45	1.685	1.172
#3	-1.005	-1.362	43.08	38.72	1.417	.5195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.215**	**8.534**	**500.5**	**235.6**
Stddev	.504	.089	.2	10.4
%RSD	15.68	1.041	.0437	4.401
#1	3.498	8.445	500.5	242.2
#2	3.513	8.623	500.7	223.6
#3	2.633	8.536	500.3	240.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4249.9**	**42263.**	**6232.3**
Stddev	4.9	364.	31.0
%RSD	.11615	.86100	.49738
#1	4254.8	42579.	6248.3
#2	4244.9	42346.	6252.0
#3	4250.0	41865.	6196.5

Sample Name: pds 460-118876-a-7-a Acquired: 8/22/2016 13:20:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27580.**	**1966.**	**48.27**	**2446.**	**55.71**	**136000.**
Stddev	801.	174.	.62	204.	1.88	1649.
%RSD	2.903	8.853	1.287	8.353	3.365	1.212
#1	26950.	2167.	48.81	2682.	54.56	136000.
#2	28480.	1866.	47.59	2330.	57.88	134400.
#3	27310.	1864.	48.39	2327.	54.71	137700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.57**	**517.1**	**268.0**	**309.1**	**42020.**	**23950.**
Stddev	5.22	43.6	1.8	4.6	589.	633.
%RSD	9.937	8.437	.6775	1.486	1.401	2.642
#1	58.60	567.4	267.2	303.8	41770.	23460.
#2	49.63	492.8	266.7	311.6	41600.	24670.
#3	49.47	491.0	270.1	312.0	42700.	23730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39480.**	**1144.**	**20550.**	**544.4**	**756.8**	**440.6**
Stddev	309.	9.	662.	46.3	63.8	36.4
%RSD	.7816	.7915	3.221	8.505	8.426	8.273
#1	39420.	1141.	20120.	597.8	830.4	482.6
#2	39200.	1137.	21310.	518.9	717.9	417.3
#3	39810.	1154.	20210.	516.4	722.1	421.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118876-a-7-a Acquired: 8/22/2016 13:20:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2163.**	**1954.**	**581.5**	**921.3**	**508.9**	**498.6**
Stddev	170.	162.	5.8	81.5	40.3	40.2
%RSD	7.841	8.307	1.004	8.847	7.917	8.071
#1	2358.	2141.	575.7	1015.	555.4	545.0
#2	2050.	1851.	581.5	875.3	483.3	473.1
#3	2081.	1870.	587.4	873.3	488.1	477.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**588.5**	**909.3**	**1978.**	**702.0**
Stddev	44.3	27.8	22.	30.1
%RSD	7.531	3.059	1.124	4.288
#1	639.7	889.4	1957.	736.5
#2	562.5	941.1	1977.	688.2
#3	563.4	897.4	2001.	681.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3933.6**	**40138.**	**6122.5**
Stddev	241.9	445.	59.6
%RSD	6.1500	1.1088	.97319
#1	3654.5	39750.	6131.5
#2	4063.8	40624.	6058.9
#3	4082.6	40039.	6177.0

Sample Name: 460-118876-a-7-c ms Acquired: 8/22/2016 13:23:52 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27420.**	**387.8**	**10.65**	**684.8**	**11.71**	**147300.**
Stddev	103.	.7	.40	2.9	.06	1342.
%RSD	.3772	.1890	3.710	.4182	.5090	.9109
#1	27320.	388.2	10.63	681.9	11.67	147900.
#2	27520.	387.0	10.26	684.8	11.68	148200.
#3	27410.	388.2	11.05	687.6	11.78	145700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.40**	**111.5**	**104.6**	**157.9**	**49340.**	**8016.**
Stddev	.14	.8	.6	2.6	275.	56.
%RSD	1.392	.7411	.6092	1.617	.5570	.6998
#1	10.36	110.5	104.7	155.1	49440.	8034.
#2	10.27	112.1	105.1	158.8	49540.	8061.
#3	10.55	111.8	103.9	160.0	49020.	7953.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42850.**	**952.0**	**5565.**	**141.9**	**394.8**	**32.35**
Stddev	355.	5.5	20.	1.1	4.9	.72
%RSD	.8278	.5768	.3572	.7869	1.252	2.224
#1	42990.	953.3	5548.	140.7	389.7	32.40
#2	43110.	956.8	5560.	142.9	395.3	33.05
#3	42450.	946.0	5587.	142.0	399.5	31.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-7-c ms Acquired: 8/22/2016 13:23:52 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**411.6**	**376.1**	**183.1**	**482.1**	**106.6**	**97.06**
Stddev	6.7	6.7	1.6	5.9	1.5	1.01
%RSD	1.630	1.769	.8511	1.228	1.445	1.045
#1	404.5	368.5	181.3	475.6	104.8	95.89
#2	412.3	378.6	183.5	483.4	107.5	97.55
#3	417.9	381.0	184.3	487.3	107.5	97.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**114.0**	**535.4**	**1452.**	**716.8**
Stddev	1.3	1.6	4.	25.4
%RSD	1.173	.2913	.2537	3.548
#1	113.0	533.7	1449.	704.0
#2	115.5	536.1	1450.	700.3
#3	113.5	536.6	1456.	746.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4067.4**	**40457.**	**6202.9**
Stddev	13.1	670.	105.0
%RSD	.32102	1.6563	1.6926
#1	4052.6	39987.	6125.6
#2	4072.3	40159.	6160.8
#3	4077.4	41224.	6322.5

Sample Name: 460-118876-a-7-b du Acquired: 8/22/2016 13:27:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28030.**	**11.95**	**1.326**	**308.6**	**1.285**	**130100.**
Stddev	206.	2.06	.702	.5	.195	492.
%RSD	.7331	17.28	52.94	.1666	15.15	.3785
#1	27810.	9.786	1.577	309.0	1.288	130500.
#2	28050.	13.90	1.868	308.0	1.090	129600.
#3	28220.	12.17	.5331	308.8	1.479	130300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3796**	**15.62**	**106.9**	**69.50**	**43930.**	**5485.**
Stddev	.3635	.32	.4	.98	194.	78.
%RSD	95.74	2.062	.3760	1.407	.4412	1.428
#1	.0090	15.26	106.6	68.48	44100.	5402.
#2	.3945	15.87	107.3	70.43	43720.	5495.
#3	.7355	15.74	106.7	69.60	43970.	5557.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22220.**	**966.2**	**1780.**	**35.66**	**241.9**	**-.8295**
Stddev	55.	3.0	15.	.54	1.7	.9913
%RSD	.2492	.3109	.8183	1.521	.6927	119.5
#1	22260.	967.6	1796.	36.26	240.8	-1.969
#2	22160.	962.8	1770.	35.20	241.0	-.3573
#3	22240.	968.4	1773.	35.53	243.8	-.1625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-7-b du Acquired: 8/22/2016 13:27:41 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.827**	**-2.345**	**84.18**	**354.7**	**17.74**	**1.647**
Stddev	2.984	4.394	.52	3.5	.50	.268
%RSD	105.6	187.4	.6174	.9777	2.828	16.26
#1	6.213	-.4635	83.73	354.6	17.93	1.925
#2	.5811	.7964	84.75	358.3	17.17	1.628
#3	1.686	-7.366	84.06	351.4	18.11	1.390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.05**	**507.1**	**1471.**	**744.5**
Stddev	1.18	5.2	6.	18.4
%RSD	11.77	1.020	.3978	2.471
#1	8.684	501.2	1477.	732.5
#2	10.77	510.7	1470.	765.6
#3	10.69	509.4	1466.	735.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.0**	**40590.**	**6224.4**
Stddev	11.3	181.	106.1
%RSD	.27442	.44538	1.7046
#1	4096.2	40408.	6205.3
#2	4092.9	40769.	6338.8
#3	4113.8	40594.	6129.2

Sample Name: 460-118876-a-7-a@10 Acquired: 8/22/2016 13:31:34 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24110.**	**12.60**	**.4819**	**264.5**	**.5959**	**112400.**
Stddev	411.	2.14	.9853	4.2	.1215	1842.
%RSD	1.706	16.98	204.5	1.573	20.39	1.639
#1	23660.	14.21	-.4789	260.2	.6662	111000.
#2	24180.	13.42	1.490	264.8	.4556	111700.
#3	24470.	10.17	.4346	268.5	.6659	114500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2541**	**13.38**	**57.97**	**70.24**	**40090.**	**5031.**
Stddev	.2004	.21	.26	2.01	627.	144.
%RSD	78.85	1.597	.4404	2.856	1.565	2.863
#1	.2309	13.16	57.71	67.98	39560.	4898.
#2	.4651	13.59	57.98	70.93	39920.	5011.
#3	.0664	13.38	58.22	71.81	40780.	5184.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19610.**	**619.0**	**1813.**	**40.73**	**212.8**	**.1903**
Stddev	308.	10.3	46.	.79	4.5	2.027
%RSD	1.568	1.662	2.538	1.942	2.113	1065.
#1	19380.	610.2	1764.	39.83	207.6	.9194
#2	19500.	616.4	1820.	41.05	215.0	-2.101
#3	19960.	630.3	1855.	41.32	215.8	1.752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-7-a@10 Acquired: 8/22/2016 13:31:34 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.485**	**-4.243**	**70.64**	**329.0**	**10.36**	**2.694**
Stddev	6.064	2.272	1.32	6.3	.54	.260
%RSD	135.2	53.54	1.865	1.925	5.226	9.638
#1	-.6100	-5.521	69.19	322.8	10.19	2.952
#2	2.872	-1.620	70.96	328.8	9.921	2.698
#3	11.19	-5.589	71.77	335.5	10.96	2.432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.784**	**407.0**	**1370.**	**601.0**
Stddev	.784	8.0	23.	39.5
%RSD	10.08	1.972	1.663	6.571
#1	7.147	398.5	1349.	558.8
#2	7.545	408.1	1366.	606.9
#3	8.660	414.5	1394.	637.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4121.7**	**40610.**	**6080.3**
Stddev	11.4	211.	77.0
%RSD	.27700	.51939	1.2671
#1	4128.0	40407.	6031.5
#2	4128.7	40828.	6040.2
#3	4108.6	40596.	6169.1

Sample Name: sd 460-118876-a-7-a Acquired: 8/22/2016 13:35:27 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4631.**	**4.479**	**-.0356**	**50.42**	**.1285**	**21490.**
Stddev	24.	1.782	.5046	.37	.1301	131.
%RSD	.5087	39.79	1418.	.7302	101.3	.6101
#1	4608.	5.180	-.0047	50.83	.0370	21450.
#2	4655.	5.803	.4528	50.12	.0710	21380.
#3	4631.	2.453	-.5549	50.31	.2775	21630.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2020**	**2.723**	**10.49**	**14.08**	**8047.**	**999.2**
Stddev	.0604	.437	.81	.43	139.	39.8
%RSD	29.90	16.04	7.715	3.087	1.726	3.980
#1	.2650	2.354	9.875	13.75	7893.	956.1
#2	.1447	2.609	10.19	13.91	8083.	1007.
#3	.1962	3.205	11.41	14.57	8163.	1035.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3940.**	**125.8**	**323.9**	**7.796**	**41.19**	**-.6729**
Stddev	39.	1.6	3.9	.836	.77	1.670
%RSD	1.000	1.244	1.218	10.73	1.876	248.2
#1	3896.	124.0	321.5	6.867	41.15	.2680
#2	3952.	126.4	328.5	8.490	41.98	-2.601
#3	3972.	127.0	321.8	8.030	40.44	.3145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118876-a-7-a Acquired: 8/22/2016 13:35:27 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.819**	**-2.550**	**13.33**	**63.69**	**2.429**	**.3036**
Stddev	.832	1.553	.45	.53	.367	.2288
%RSD	21.79	60.89	3.381	.8336	15.11	75.36
#1	3.354	-2.907	13.01	63.83	2.217	.2857
#2	4.780	-.8499	13.85	63.11	2.217	.5408
#3	3.323	-3.894	13.14	64.14	2.853	.0843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.515**	**80.17**	**277.0**	**104.8**
Stddev	.615	.73	6.1	10.0
%RSD	40.57	.9148	2.198	9.563
#1	1.353	79.36	270.0	106.3
#2	2.194	80.79	279.4	94.16
#3	.9970	80.37	281.4	114.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4131.9**	**41022.**	**6171.1**
Stddev	2.6	217.	64.9
%RSD	.06388	.52997	1.0523
#1	4129.8	41122.	6212.1
#2	4134.9	41171.	6096.2
#3	4131.1	40772.	6205.0

Sample Name: 460-118619-e-1-b Acquired: 8/22/2016 13:39:23 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**60.41**	**1.864**	**-.9223**	**27.78**	**-.0735**	**27270.**
Stddev	17.02	.358	.2586	.11	.1536	367.
%RSD	28.18	19.22	28.04	.3952	209.0	1.344
#1	60.99	2.002	-.8780	27.67	-.0322	27350.
#2	77.14	1.457	-.6886	27.78	.0552	26860.
#3	43.11	2.133	-1.200	27.89	-.2436	27580.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1417**	**.5745**	**-.3636**	**1.008**	**3.571**	**2213.**
Stddev	.0517	.3519	.5364	.499	16.73	38.
%RSD	36.46	61.25	147.5	49.52	468.6	1.727
#1	.1030	.2678	.2164	.6545	-7.951	2200.
#2	.2003	.9587	-.4654	1.578	22.77	2257.
#3	.1217	.4970	-.8418	.7897	-4.101	2184.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3562.**	**19.91**	**33530.**	**.0544**	**-.1168**	**.0274**
Stddev	78.	.31	146.	.3636	2.890	3.610
%RSD	2.199	1.566	.4352	668.6	2475.	13180.
#1	3480.	19.61	33570.	.3608	1.734	3.542
#2	3571.	19.88	33650.	-.3475	1.362	-3.671
#3	3636.	20.23	33370.	.1499	-3.447	.2113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-1-b Acquired: 8/22/2016 13:39:23 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.932**	**-3.946**	**.1031**	**2.404**	**42.14**	**.3397**
Stddev	2.311	3.122	.3285	.235	.79	.1540
%RSD	58.77	79.10	318.5	9.794	1.878	45.35
#1	3.324	-1.184	-.1402	2.151	41.28	.2666
#2	1.986	-3.322	.4768	2.616	42.33	.2357
#3	6.486	-7.333	-.0272	2.446	42.83	.5166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0430**	**119.3**	**.5924**	**1383.**
Stddev	.7943	1.8	.2882	42.
%RSD	1848.	1.533	48.66	3.034
#1	.8480	117.2	.2596	1365.
#2	-.7401	120.6	.7590	1353.
#3	.0210	120.0	.7586	1431.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.4**	**40543.**	**5974.8**
Stddev	33.7	529.	116.8
%RSD	.81885	1.3038	1.9556
#1	4082.0	40141.	6058.1
#2	4149.0	41142.	5841.2
#3	4109.3	40346.	6025.0

Sample Name: lcs 460-385974/2-a Acquired: 8/22/2016 13:43:22 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1997.**	**1894.**	**48.70**	**2138.**	**55.70**	**20640.**
Stddev	15.	4.	1.19	1.	.83	134.
%RSD	.7674	.2135	2.433	.0574	1.487	.6508
#1	1987.	1889.	49.62	2137.	54.74	20650.
#2	1989.	1895.	49.12	2139.	56.19	20500.
#3	2014.	1897.	47.36	2139.	56.16	20770.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.90**	**498.5**	**215.9**	**239.2**	**1053.**	**19120.**
Stddev	.16	.5	1.3	1.4	3.	332.
%RSD	.3140	.0987	.5924	.5946	.2928	1.737
#1	51.80	498.3	215.4	237.6	1055.	18730.
#2	52.09	499.1	215.0	240.1	1055.	19300.
#3	51.82	498.2	217.4	240.0	1050.	19320.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19840.**	**533.2**	**18430.**	**500.9**	**528.7**	**441.3**
Stddev	71.	2.3	61.	1.5	2.2	2.7
%RSD	.3600	.4356	.3294	.2938	.4070	.6082
#1	19850.	534.9	18380.	500.7	528.0	438.4
#2	19760.	530.5	18420.	502.5	527.0	443.7
#3	19900.	534.0	18500.	499.6	531.1	441.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-385974/2-a Acquired: 8/22/2016 13:43:22 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2115.**	**1992.**	**528.5**	**594.2**	**494.3**	**494.6**
Stddev	27.	26.	7.0	9.8	6.4	7.1
%RSD	1.272	1.310	1.328	1.651	1.301	1.433
#1	2086.	1966.	524.1	583.7	487.1	487.1
#2	2139.	1993.	524.7	595.7	496.5	495.7
#3	2120.	2018.	536.6	603.1	499.5	501.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**581.8**	**484.6**	**578.0**	**73.87**
Stddev	10.4	.9	2.1	2.68
%RSD	1.786	.1803	.3710	3.633
#1	570.3	484.7	577.1	72.84
#2	584.5	485.4	576.4	76.91
#3	590.5	483.6	580.4	71.85
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4091.7**	**40654.**	**6144.0**
Stddev	13.2	381.	116.1
%RSD	.32182	.93644	1.8896
#1	4106.3	40659.	6220.8
#2	4087.8	41032.	6200.7
#3	4080.9	40271.	6010.4

Sample Name: CCV Acquired: 8/22/2016 13:47:10 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119400.**	**2304.**	**1212.**	**10010.**	**1045.**	**125800.**
Stddev	437.	6.	1.	11.	3.	1191.
%RSD	.3662	.2526	.1207	.1106	.2798	.9468
#1	119300.	2308.	1210.	9993.	1043.	125700.
#2	119000.	2297.	1211.	10010.	1045.	127000.
#3	119900.	2307.	1213.	10010.	1049.	124600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1211.**	**2302.**	**5046.**	**11600.**	**100900.**	**46880.**
Stddev	3.	.	31.	61.	620.	262.
%RSD	.2595	.0198	.6215	.5217	.6141	.5598
#1	1208.	2303.	5040.	11600.	100800.	46640.
#2	1214.	2303.	5079.	11540.	101600.	46840.
#3	1212.	2302.	5017.	11660.	100400.	47160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120200.**	**5064.**	**118400.**	**2287.**	**7279.**	**895.8**
Stddev	984.	29.	582.	4.	21.	1.0
%RSD	.8189	.5747	.4911	.1628	.2818	.1081
#1	120200.	5070.	118500.	2288.	7256.	896.2
#2	121200.	5091.	117900.	2290.	7293.	894.6
#3	119200.	5033.	119000.	2283.	7290.	896.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/22/2016 13:47:10 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2550.**	F **2227.**	**2479.**	**2655.**	**915.0**	**2290.**
Stddev	23.	24.	7.	21.	8.1	2.
%RSD	.9078	1.058	.2860	.7859	.8832	.1029
#1	2576.	2252.	2480.	2632.	923.0	2291.
#2	2531.	2223.	2486.	2671.	914.9	2292.
#3	2543.	2206.	2472.	2664.	906.9	2288.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2500.				
Range		-10.50%				

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1067.**	**4626.**	F **11070.**	**8372.**
Stddev	6.	16.	18.	61.
%RSD	.5483	.3503	.1628	.7240
#1	1073.	4623.	11050.	8304.
#2	1067.	4612.	11090.	8420.
#3	1061.	4644.	11080.	8393.
Check ?	Chk Pass	Chk Pass	Chk Fail	None
Value			10000.	
Range			10.50%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3914.3**	**38666.**	**5947.5**
Stddev	11.7	349.	29.2
%RSD	.29940	.90314	.49041
#1	3925.4	38680.	5917.5
#2	3902.0	38310.	5949.2
#3	3915.4	39008.	5975.7

Sample Name: CCB Acquired: 8/22/2016 13:50:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.443**	**-.3118**	**.1728**	**-1.610**	**.0010**	**-.8732**
Stddev	20.50	1.649	.3338	.083	.0843	4.302
%RSD	595.3	529.0	193.2	5.147	8326.	492.7
#1	25.15	.8109	.2779	-1.529	-.0774	2.511
#2	-15.58	.4591	.4414	-1.695	.0902	.5842
#3	.7566	-2.205	-.2009	-1.607	-.0097	-5.715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0152**	**.1472**	**-.0532**	**.9714**	**13.15**	**103.5**
Stddev	.1025	.1087	.5519	.2430	6.33	50.8
%RSD	673.2	73.84	1037.	25.02	48.12	49.05
#1	-.0319	.2294	.5509	.6929	15.65	154.7
#2	-.0552	.1882	-.1796	1.081	5.951	102.6
#3	.1329	.0240	-.5310	1.140	17.84	53.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.770**	**.1330**	**-17.75**	**-.6655**	**-.5252**	**-2.217**
Stddev	7.037	.1279	14.45	1.092	2.091	2.046
%RSD	90.56	96.22	81.46	164.1	398.2	92.28
#1	1.632	.2629	-13.01	-.4922	-2.103	-3.580
#2	6.230	.0071	-6.252	.3299	1.847	.1355
#3	15.45	.1289	-33.97	-1.834	-1.320	-3.206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/22/2016 13:50:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.151**	**-2.934**	**-.1221**	**-1.670**	**2.661**	**.7104**
Stddev	1.906	1.905	.0344	.154	.564	.1612
%RSD	88.60	64.91	28.16	9.201	21.20	22.69
#1	.7524	-1.011	-.1160	-1.512	3.279	.6789
#2	4.321	-4.820	-.1591	-1.818	2.529	.8851
#3	1.379	-2.972	-.0912	-1.679	2.174	.5674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.730**	**-.2561**	**.3785**	**-17.54**
Stddev	.307	.1210	.0799	9.31
%RSD	17.74	47.25	21.12	53.07
#1	1.839	-.1227	.3083	-23.65
#2	1.383	-.3589	.3617	-22.14
#3	1.967	-.2867	.4654	-6.827
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4106.4**	**40438.**	**5984.0**
Stddev	18.9	231.	78.4
%RSD	.45995	.57195	1.3108
#1	4097.4	40487.	6040.8
#2	4128.1	40642.	6016.7
#3	4093.6	40187.	5894.5

Sample Name: CCVL Acquired: 8/22/2016 13:54:48 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**193.4**	**14.43**	**8.760**	**204.2**	**2.087**	**5096.**
Stddev	9.8	2.21	.327	.8	.238	65.
%RSD	5.082	15.31	3.729	.3955	11.39	1.285
#1	184.9	12.44	8.996	204.0	1.970	5042.
#2	204.2	14.04	8.896	205.1	1.931	5077.
#3	191.1	16.81	8.387	203.5	2.360	5169.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.876**	**48.54**	**10.30**	**23.20**	**155.5**	**4611.**
Stddev	.076	.40	.52	.55	17.6	79.
%RSD	1.959	.8180	5.059	2.383	11.31	1.703
#1	3.848	48.29	9.736	22.56	136.6	4641.
#2	3.962	48.32	10.39	23.45	158.5	4522.
#3	3.818	48.99	10.77	23.58	171.4	4671.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4875.**	**16.16**	**4478.**	**39.55**	**9.969**	**15.30**
Stddev	122.	.30	30.	1.04	1.019	2.25
%RSD	2.499	1.887	.6646	2.619	10.22	14.72
#1	4757.	15.87	4470.	38.36	11.14	15.92
#2	4868.	16.13	4454.	40.22	9.467	17.17
#3	5000.	16.48	4512.	40.08	9.298	12.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/22/2016 13:54:48 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **28.49**	**15.82**	**50.57**	**33.85**	**47.60**	**18.98**
Stddev	2.15	2.54	.75	.53	.72	.22
%RSD	7.550	16.09	1.491	1.576	1.521	1.178
#1	28.08	18.31	49.83	33.24	46.82	18.79
#2	26.57	13.22	50.52	34.06	48.25	18.93
#3	30.81	15.92	51.34	34.25	47.73	19.23
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	20.00					
Range	30.50%					

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**55.51**	**18.82**	**23.03**	F **-26.00**
Stddev	1.51	.29	.45	14.30
%RSD	2.716	1.544	1.969	55.00
#1	54.30	18.50	22.60	-42.46
#2	55.03	18.91	22.99	-16.58
#3	57.20	19.06	23.50	-18.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4143.8**	**40967.**	**6102.6**
Stddev	5.9	485.	142.6
%RSD	.14224	1.1831	2.3362
#1	4144.6	41367.	6039.7
#2	4149.2	41106.	6265.8
#3	4137.5	40428.	6002.3

Sample Name: mb 460-385974/1-a Acquired: 8/22/2016 13:58:47 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.801**	**.4400**	**-.3938**	**-1.677**	**-.1812**	**-18.61**
Stddev	12.88	.8450	.1704	.056	.0239	9.07
%RSD	715.2	192.1	43.26	3.326	13.17	48.75
#1	-7.337	-.5244	-.2318	-1.612	-.1883	-21.80
#2	-3.793	1.051	-.3782	-1.709	-.1546	-25.66
#3	16.53	.7937	-.5715	-1.709	-.2007	-8.376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0991**	**-.1107**	**-.2295**	**.3150**	**6.031**	**68.39**
Stddev	.0212	.1209	.4166	.4662	16.54	23.31
%RSD	21.40	109.2	181.5	148.0	274.2	34.09
#1	.1233	-.2367	.2502	-.1187	-11.76	84.08
#2	.0833	.0044	-.5005	.2555	20.93	41.60
#3	.0909	-.0998	-.4383	.8081	8.922	79.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.277**	**.0688**	**-49.52**	**-.3454**	**-3.413**	**-.9288**
Stddev	6.797	.1259	20.73	.5864	2.174	.7372
%RSD	128.8	183.1	41.87	169.8	63.69	79.37
#1	12.02	.1835	-31.75	-.9859	-1.507	-.1697
#2	5.381	-.0658	-44.51	.1650	-5.781	-.9747
#3	-1.571	.0885	-72.30	-.2153	-2.952	-1.642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385974/1-a Acquired: 8/22/2016 13:58:47 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4994**	**-3.977**	**-.1147**	**-1.882**	**.9321**	**.6154**
Stddev	4.093	1.553	.6800	.107	.4553	.0574
%RSD	819.6	39.06	593.0	5.683	48.85	9.327
#1	4.769	-5.755	-.8298	-1.809	1.103	.6790
#2	.1204	-2.888	.5238	-2.005	.4160	.5999
#3	-3.391	-3.287	-.0380	-1.834	1.277	.5674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5636**	**-.3028**	**.0816**	**-21.22**
Stddev	.6473	.1747	.2326	13.51
%RSD	114.8	57.70	285.0	63.66
#1	.8540	-.2847	.2950	-9.895
#2	1.015	-.1379	-.1663	-17.59
#3	-.1780	-.4859	.1160	-36.17
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4081.1**	**40713.**	**5991.1**
Stddev	22.6	355.	72.0
%RSD	.55475	.87202	1.2023
#1	4105.4	40815.	5909.9
#2	4077.1	40318.	6016.0
#3	4060.7	41006.	6047.4

Sample Name: pds 460-118619-e-7-g Acquired: 8/22/2016 14:02:48 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2613.**	**1888.**	**48.46**	**2167.**	**56.23**	**34130.**
Stddev	11.	8.	.61	2.	.57	184.
%RSD	.4121	.4211	1.249	.0864	1.012	.5383
#1	2604.	1878.	47.83	2165.	55.58	33970.
#2	2611.	1892.	48.53	2169.	56.47	34090.
#3	2625.	1892.	49.03	2166.	56.63	34330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.38**	**492.6**	**216.2**	**239.1**	**1086.**	**21760.**
Stddev	.13	1.4	1.4	.4	5.	32.
%RSD	.2592	.2873	.6697	.1806	.4780	.1451
#1	51.53	492.1	214.5	238.8	1081.	21750.
#2	51.27	494.2	216.9	239.6	1086.	21800.
#3	51.36	491.5	217.1	239.0	1091.	21740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24660.**	**553.0**	**33460.**	**491.7**	**521.8**	**426.5**
Stddev	84.	1.8	67.	1.1	3.4	2.9
%RSD	.3400	.3206	.2012	.2220	.6520	.6896
#1	24610.	551.2	33500.	490.5	524.6	423.2
#2	24620.	553.1	33390.	492.1	518.0	427.2
#3	24760.	554.8	33510.	492.6	522.8	429.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118619-e-7-g Acquired: 8/22/2016 14:02:48 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2110.**	**1940.**	**528.6**	**613.9**	**516.8**	**484.9**
Stddev	27.	20.	7.6	5.7	7.6	7.2
%RSD	1.291	1.034	1.444	.9297	1.474	1.478
#1	2080.	1918.	519.8	607.5	508.1	476.7
#2	2114.	1942.	532.1	615.5	520.3	488.4
#3	2134.	1958.	533.9	618.6	522.0	489.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**577.1**	**565.1**	**576.8**	**4285.**
Stddev	7.0	.5	2.2	50.
%RSD	1.214	.0832	.3811	1.158
#1	569.7	565.5	574.7	4275.
#2	577.9	564.6	579.1	4242.
#3	583.6	565.2	576.6	4339.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4079.5**	**39941.**	**6071.1**
Stddev	12.7	258.	69.2
%RSD	.31145	.64545	1.1400
#1	4075.3	40151.	6150.9
#2	4069.5	40020.	6027.9
#3	4093.8	39653.	6034.4

Sample Name: 460-118619-e-7-h ms Acquired: 8/22/2016 14:06:34 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2663.**	**1921.**	**48.82**	**2207.**	**56.17**	**34760.**
Stddev	5.	5.	.34	5.	.08	261.
%RSD	.1805	.2377	.6997	.2093	.1496	.7510
#1	2667.	1918.	48.44	2203.	56.08	34530.
#2	2658.	1919.	48.90	2205.	56.19	34700.
#3	2664.	1926.	49.11	2212.	56.24	35040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.17**	**499.5**	**219.8**	**243.1**	**1090.**	**22220.**
Stddev	.22	1.7	2.3	1.3	15.	221.
%RSD	.4308	.3463	1.036	.5195	1.332	.9952
#1	51.92	497.6	217.2	241.6	1074.	22470.
#2	52.34	500.1	221.1	243.9	1093.	22090.
#3	52.26	500.9	221.2	243.7	1103.	22090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24970.**	**562.7**	**34120.**	**497.1**	**529.0**	**442.9**
Stddev	139.	2.6	10.	2.5	3.5	3.8
%RSD	.5549	.4586	.0292	.5046	.6581	.8542
#1	24870.	560.8	34110.	497.6	525.6	440.2
#2	24920.	561.8	34130.	499.4	528.8	441.3
#3	25130.	565.7	34110.	494.4	532.5	447.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-7-h ms Acquired: 8/22/2016 14:06:34 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2156.**	**1953.**	**536.8**	**627.6**	**525.6**	**494.8**
Stddev	16.	10.	8.1	1.7	2.2	1.8
%RSD	.7639	.5336	1.500	.2645	.4146	.3596
#1	2145.	1944.	529.4	625.7	524.4	494.2
#2	2148.	1950.	535.6	628.2	524.4	493.5
#3	2175.	1965.	545.4	628.9	528.1	496.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**589.7**	**573.3**	**590.8**	**4396.**
Stddev	1.0	1.5	1.7	51.
%RSD	.1735	.2667	.2956	1.152
#1	590.2	575.0	590.0	4339.
#2	588.5	572.0	589.6	4435.
#3	590.3	572.9	592.8	4415.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.9**	**40164.**	**6081.2**
Stddev	6.4	355.	41.5
%RSD	.15684	.88300	.68194
#1	4078.3	40477.	6045.1
#2	4066.7	40237.	6126.5
#3	4067.8	39779.	6072.0

Sample Name: 460-118619-a-7-d du Acquired: 8/22/2016 14:10:19 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**654.4**	**1.618**	**-.2648**	**52.86**	**.2527**	**14170.**
Stddev	8.7	2.296	.9004	.17	.1573	135.
%RSD	1.330	141.9	340.0	.3162	62.25	.9548
#1	644.5	.1808	-.9074	52.92	.4187	14330.
#2	657.9	.4074	.7643	52.99	.1059	14080.
#3	660.9	4.266	-.6514	52.67	.2334	14110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3703**	**1.833**	**.6418**	**1.783**	**11.38**	**3446.**
Stddev	.0890	.110	.5564	.413	8.93	61.
%RSD	24.03	6.017	86.69	23.19	78.44	1.761
#1	.3516	1.954	.1765	2.111	20.12	3376.
#2	.4671	1.809	.4907	1.919	2.274	3488.
#3	.2921	1.737	1.258	1.318	11.76	3473.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5185.**	**25.61**	**14990.**	**1.831**	**1.859**	**-1.126**
Stddev	20.	.28	15.	.271	.807	1.505
%RSD	.3870	1.085	.1002	14.80	43.42	133.6
#1	5165.	25.29	14990.	1.881	1.452	.4861
#2	5205.	25.81	14980.	1.539	1.336	-2.495
#3	5183.	25.72	15010.	2.074	2.789	-1.370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-a-7-d du Acquired: 8/22/2016 14:10:19 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.044**	**-2.667**	**.0049**	**30.06**	**37.42**	**.7223**
Stddev	4.259	1.019	.3286	.47	.85	.3115
%RSD	60.46	38.20	6667.	1.553	2.269	43.13
#1	11.82	-2.652	.3563	30.24	38.17	1.004
#2	5.657	-3.693	-.0468	29.53	36.50	.7754
#3	3.652	-1.656	-.2947	30.41	37.59	.3876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5686**	**92.19**	**.4109**	**4374.**
Stddev	1.291	1.07	.1465	123.
%RSD	227.0	1.164	35.66	2.807
#1	.0316	90.98	.3091	4237.
#2	-.3670	93.04	.5788	4473.
#3	2.041	92.54	.3447	4413.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4135.4**	**40964.**	**6174.8**
Stddev	2.3	362.	108.4
%RSD	.05444	.88305	1.7558
#1	4133.7	40571.	6093.4
#2	4137.9	41283.	6297.9
#3	4134.5	41036.	6133.2

Sample Name: 460-118619-e-7-g Acquired: 8/22/2016 14:14:17 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**663.8**	**-1.639**	**.5126**	**52.45**	**.5596**	**14130.**
Stddev	12.0	.044	.2072	.37	.3366	68.
%RSD	1.805	2.661	40.41	.7083	60.16	.4796
#1	663.4	-1.616	.6097	52.19	.7260	14200.
#2	676.0	-1.611	.2747	52.28	.1722	14120.
#3	652.0	-1.689	.6533	52.87	.7806	14070.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1625**	**1.620**	**.6413**	**1.211**	**5.197**	**3404.**
Stddev	.0906	.244	.4842	.514	3.277	71.
%RSD	55.77	15.09	75.50	42.45	63.06	2.087
#1	.1285	1.351	.4735	1.202	7.573	3369.
#2	.0939	1.680	1.187	.7009	1.458	3486.
#3	.2653	1.829	.2634	1.729	6.559	3357.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5132.**	**25.27**	**14990.**	**1.478**	**1.452**	**-.4594**
Stddev	53.	.13	117.	.432	.274	.3149
%RSD	1.024	.5274	.7782	29.26	18.90	68.53
#1	5149.	25.24	15110.	1.809	1.355	-.7822
#2	5074.	25.15	14870.	.9886	1.239	-.1531
#3	5175.	25.41	14990.	1.635	1.762	-.4430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-7-g Acquired: 8/22/2016 14:14:17 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.685**	**-1.504**	**-.4433**	**29.72**	**36.94**	**.0764**
Stddev	5.875	.901	.4365	.39	.62	.1215
%RSD	125.4	59.92	98.48	1.298	1.686	159.2
#1	3.031	-.4809	-.9304	29.30	36.27	-.0639
#2	11.21	-1.852	-.0875	29.79	37.50	.1425
#3	-.1862	-2.180	-.3119	30.07	37.04	.1505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7832**	**91.14**	**.2908**	**4286.**
Stddev	.5824	.22	.2901	47.
%RSD	74.36	.2389	99.78	1.088
#1	1.324	90.98	.4636	4263.
#2	.8585	91.06	-.0442	4340.
#3	.1668	91.39	.4529	4255.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4090.4**	**40498.**	**6036.0**
Stddev	4.8	245.	59.5
%RSD	.11629	.60527	.98535
#1	4089.9	40269.	6005.8
#2	4095.3	40469.	6104.5
#3	4085.9	40757.	5997.7

Sample Name: sd 460-118619-e-7-g Acquired: 8/22/2016 14:18:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**137.4**	**1.481**	**-.7932**	**8.828**	**-.0056**	**2737.**
Stddev	8.0	.184	.7034	.133	.1885	9.
%RSD	5.807	12.43	88.69	1.504	3389.	.3351
#1	130.4	1.570	-.2020	8.893	-.1958	2740.
#2	135.7	1.270	-.6063	8.675	-.0020	2744.
#3	146.1	1.604	-1.571	8.915	.1811	2727.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0250**	**.1466**	**-.0206**	**.0923**	**-1.581**	**684.7**
Stddev	.2535	.0502	.5767	.1786	13.88	20.5
%RSD	1015.	34.22	2803.	193.4	878.1	2.995
#1	-.2651	.0976	-.4355	.2065	8.696	704.9
#2	-.0498	.1445	.6380	.1839	3.933	663.9
#3	.2400	.1979	-.2642	-.1134	-17.37	685.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1008.**	**4.981**	**2922.**	**.4961**	**-.8871**	**-.3379**
Stddev	11.	.029	45.	.2900	.4787	1.508
%RSD	1.097	.5827	1.544	58.45	53.97	446.2
#1	996.5	4.950	2871.	.4012	-.5132	-.6900
#2	1009.	5.007	2941.	.8216	-.7213	1.315
#3	1019.	4.987	2956.	.2654	-1.427	-1.638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118619-e-7-g Acquired: 8/22/2016 14:18:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.840**	**-3.467**	**-.0037**	**4.829**	**8.423**	**.2108**
Stddev	1.598	1.106	.1168	.182	.122	.0889
%RSD	41.62	31.90	3132.	3.765	1.446	42.17
#1	5.607	-3.119	-.0991	4.653	8.310	.1154
#2	2.498	-4.706	-.0385	5.016	8.406	.2914
#3	3.414	-2.577	.1265	4.816	8.552	.2257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6944**	**17.86**	**.1014**	**821.2**
Stddev	.2572	.40	.1379	22.6
%RSD	37.04	2.230	136.0	2.754
#1	.6959	17.56	.1773	809.3
#2	.4365	17.71	.1846	807.0
#3	.9509	18.31	-.0577	847.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4172.5**	**41432.**	**6148.2**
Stddev	10.7	168.	22.4
%RSD	.25716	.40626	.36466
#1	4184.7	41317.	6129.8
#2	4168.4	41354.	6141.6
#3	4164.5	41625.	6173.2

Sample Name: 460-118619-e-2-c Acquired: 8/22/2016 14:22:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**423.1**	**1.520**	**.1114**	**73.33**	**.2560**	**14910.**
Stddev	12.9	1.795	.5582	.38	.1271	2372.
%RSD	3.041	118.1	501.1	.5194	49.67	15.92
#1	419.8	3.547	-.0795	73.00	.1101	13650.
#2	437.3	.1356	-.3263	73.24	.3435	17640.
#3	412.3	.8758	.7399	73.74	.3143	13420.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1905**	**.4645**	**.9961**	**2.687**	**10.22**	**2710.**
Stddev	.1831	.2371	.3394	1.695	17.05	3.
%RSD	96.11	51.04	34.07	63.08	166.9	.0975
#1	.3550	.1932	.6773	1.182	18.73	2708.
#2	.2235	.6321	1.353	4.523	21.34	2713.
#3	-.0068	.5680	.9582	2.357	-9.417	2710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4463.**	**6.176**	**111500.**	**-.0367**	**2.382**	**-1.721**
Stddev	713.	.990	1396.	.5178	1.945	1.369
%RSD	15.98	16.02	1.252	1412.	81.66	79.53
#1	4025.	5.554	113100.	-.2988	4.475	-2.972
#2	5286.	7.317	110800.	-.3710	.6301	-1.931
#3	4078.	5.656	110600.	.5598	2.041	-.2594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-2-c Acquired: 8/22/2016 14:22:15 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.929**	**-2.906**	**.0975**	**6.168**	**46.18**	**.2075**
Stddev	4.214	2.643	.3836	.143	.22	.2271
%RSD	143.8	90.96	393.3	2.323	.4675	109.4
#1	.3903	-1.592	.1996	6.316	46.01	.4691
#2	7.793	-5.948	-.3268	6.030	46.11	.0603
#3	.6046	-1.177	.4198	6.158	46.43	.0932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3263**	**60.81**	**.4080**	**2067.**
Stddev	.2797	.35	.0832	61.
%RSD	85.71	.5827	20.39	2.931
#1	.3886	60.62	.5031	2001.
#2	.5696	60.59	.3491	2080.
#3	.0207	61.22	.3717	2120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4060.0**	**37065.**	**6123.7**
Stddev	9.7	4118.	179.4
%RSD	.23804	11.109	2.9305
#1	4070.2	39122.	6012.9
#2	4050.9	32324.	6027.5
#3	4059.0	39748.	6330.8

Sample Name: 460-118619-e-3-b Acquired: 8/22/2016 14:26:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.60**	**1.704**	**.2933**	**29.72**	**.0747**	**20400.**
Stddev	18.58	2.605	.4693	.30	.0703	102.
%RSD	72.58	152.9	160.0	1.011	94.13	.5020
#1	39.96	-.1955	.7833	29.38	.0538	20330.
#2	4.617	4.673	-.1523	29.87	.0172	20520.
#3	32.23	.6338	.2489	29.92	.1530	20360.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0630**	**-.1955**	**.2645**	**.5869**	**316.6**	**2092.**
Stddev	.0888	.3558	.4682	.1663	7.9	80.
%RSD	141.0	182.0	177.0	28.34	2.497	3.814
#1	.1521	.2070	-.2761	.4918	307.5	2004.
#2	-.0255	-.3257	.5303	.4900	322.1	2113.
#3	.0623	-.4678	.5391	.7790	320.2	2159.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5220.**	**28.34**	**7090.**	**-1.006**	**-1.676**	**-1.547**
Stddev	92.	.51	87.	.305	2.072	.585
%RSD	1.768	1.814	1.221	30.30	123.6	37.81
#1	5151.	27.86	6991.	-.7855	-2.560	-1.885
#2	5324.	28.88	7126.	-.8782	.6904	-1.885
#3	5184.	28.29	7152.	-1.353	-3.160	-.8717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-3-b Acquired: 8/22/2016 14:26:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.125**	**-2.821**	**.0050**	**-.3572**	**41.38**	**.2937**
Stddev	2.434	1.394	.4953	.1084	.37	.5226
%RSD	39.74	49.41	9819.	30.34	.8997	177.9
#1	8.534	-2.076	.5472	-.3644	41.27	.8222
#2	3.666	-4.429	-.1086	-.4618	41.07	-.2229
#3	6.175	-1.958	-.4235	-.2454	41.80	.2819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0339**	**89.40**	**.4115**	**1627.**
Stddev	.6924	1.01	.1673	35.
%RSD	2045.	1.125	40.65	2.123
#1	.7316	88.24	.5479	1590.
#2	-.6531	89.95	.2249	1657.
#3	.0231	90.01	.4619	1635.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4120.2**	**40977.**	**6094.9**
Stddev	31.7	170.	59.4
%RSD	.76845	.41555	.97389
#1	4083.9	40788.	6075.3
#2	4135.3	41028.	6161.6
#3	4141.6	41117.	6047.9

Sample Name: 460-118619-e-4-b Acquired: 8/22/2016 14:30:11 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.24**	**3.113**	**.5358**	**91.30**	**.3350**	**25560.**
Stddev	10.71	.835	.6941	.33	.2493	134.
%RSD	26.61	26.84	129.5	.3633	74.42	.5254
#1	32.22	2.950	1.106	91.62	.0798	25630.
#2	52.40	4.018	.7380	90.96	.5780	25400.
#3	36.11	2.371	-.2369	91.31	.3471	25640.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0984**	**4.496**	**-.1998**	**.7966**	**7569.**	**3679.**
Stddev	.3195	.144	.2733	.3369	80.	18.
%RSD	324.6	3.215	136.8	42.30	1.053	.4866
#1	.2602	4.636	-.1904	.5670	7477.	3660.
#2	-.2027	4.503	-.4777	.6393	7616.	3683.
#3	-.3527	4.348	.0687	1.183	7615.	3695.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6703.**	**546.7**	**8242.**	**.4598**	**-1.215**	**-1.632**
Stddev	78.	1.7	78.	.3623	1.417	1.743
%RSD	1.166	.3091	.9455	78.80	116.7	106.8
#1	6628.	548.2	8165.	.8373	-1.881	-2.037
#2	6697.	544.9	8240.	.4275	-2.177	-3.136
#3	6783.	547.1	8321.	.1148	.4127	.2781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-4-b Acquired: 8/22/2016 14:30:11 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.641**	**-5.334**	**-.6371**	**5.812**	**88.26**	**.1778**
Stddev	2.007	.683	.2551	.105	1.51	.1337
%RSD	35.58	12.81	40.05	1.798	1.709	75.18
#1	5.341	-5.911	-.9306	5.694	87.31	.2841
#2	3.801	-4.579	-.4687	5.849	87.47	.2217
#3	7.781	-5.511	-.5119	5.893	90.00	.0277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9916**	**146.6**	**.2284**	**2471.**
Stddev	.6180	.6	.0314	21.
%RSD	62.32	.4260	13.74	.8636
#1	.7283	146.0	.2643	2490.
#2	.5488	146.8	.2141	2474.
#3	1.698	147.2	.2067	2448.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.0**	**40833.**	**6183.8**
Stddev	7.7	216.	80.2
%RSD	.18768	.52809	1.2975
#1	4109.8	40638.	6254.9
#2	4116.0	41065.	6096.8
#3	4125.1	40798.	6199.8

Sample Name: 460-118619-e-5-b Acquired: 8/22/2016 14:34:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**424.0**	**1.305**	**.1134**	**63.65**	**.4158**	**11720.**
Stddev	9.5	.906	.1849	.37	.1152	123.
%RSD	2.251	69.42	163.1	.5766	27.70	1.048
#1	418.7	1.288	.0427	64.07	.4504	11590.
#2	418.3	2.220	.3231	63.38	.5098	11740.
#3	435.1	.4081	-.0258	63.49	.2873	11840.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2635**	**2.605**	**.4946**	**2.651**	**20.35**	**3092.**
Stddev	.2794	.276	.5947	.258	5.17	56.
%RSD	106.0	10.60	120.2	9.744	25.42	1.816
#1	.5838	2.377	-.0113	2.533	14.49	3057.
#2	.1373	2.526	1.150	2.947	22.31	3062.
#3	.0695	2.912	.3456	2.472	24.26	3157.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7047.**	**29.90**	**15640.**	**1.411**	**.7235**	**-.8668**
Stddev	135.	.55	22.	.453	.3375	1.816
%RSD	1.917	1.836	.1414	32.12	46.66	209.6
#1	6910.	29.35	15660.	1.597	.5305	-.5427
#2	7051.	29.90	15620.	1.741	.5267	.7658
#3	7180.	30.45	15640.	.8943	1.113	-2.823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-5-b Acquired: 8/22/2016 14:34:09 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.761**	**-3.979**	**-.0397**	**37.76**	**28.85**	**.1994**
Stddev	2.618	.843	.2528	.43	.29	.2044
%RSD	69.61	21.17	637.2	1.133	1.018	102.5
#1	5.165	-3.103	-.2138	37.31	28.75	.2651
#2	.7402	-4.783	.2503	37.83	29.18	-.0298
#3	5.377	-4.050	-.1555	38.16	28.62	.3628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.819**	**100.7**	**.2536**	**3680.**
Stddev	.968	.4	.1960	27.
%RSD	53.22	.3811	77.29	.7412
#1	.7942	100.3	.2592	3665.
#2	2.718	100.8	.0549	3664.
#3	1.944	101.0	.4468	3712.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4127.7**	**40890.**	**6098.1**
Stddev	18.9	305.	7.2
%RSD	.45673	.74598	.11833
#1	4114.9	41240.	6106.0
#2	4118.8	40751.	6092.0
#3	4149.3	40679.	6096.1

Sample Name: CCV Acquired: 8/22/2016 14:38:09 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**118900.**	**2291.**	**1212.**	**9986.**	**1052.**	**125900.**
Stddev	421.	13.	2.	11.	3.	1596.
%RSD	.3538	.5523	.1538	.1097	.3209	1.268
#1	119100.	2277.	1214.	9973.	1048.	127500.
#2	119100.	2302.	1211.	9991.	1055.	125700.
#3	118400.	2293.	1212.	9993.	1052.	124400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1201.**	**2269.**	**5046.**	**11560.**	**100800.**	**46470.**
Stddev	.	3.	46.	89.	542.	101.
%RSD	.0248	.1509	.9194	.7691	.5377	.2177
#1	1201.	2266.	5096.	11480.	101400.	46410.
#2	1200.	2269.	5038.	11550.	100600.	46590.
#3	1200.	2272.	5004.	11660.	100400.	46410.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119600.**	**5056.**	**117800.**	**2247.**	**7228.**	F **881.4**
Stddev	1302.	46.	146.	3.	8.	7.0
%RSD	1.089	.9115	.1235	.1321	.1070	.7994
#1	121000.	5105.	117800.	2249.	7228.	873.4
#2	119300.	5050.	117900.	2244.	7220.	886.2
#3	118400.	5014.	117700.	2249.	7235.	884.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1000.
Range						-10.50%

Sample Name: CCV Acquired: 8/22/2016 14:38:09 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2574.**	F **2189.**	**2476.**	**2650.**	**906.7**	**2271.**
Stddev	24.	14.	8.	12.	10.4	7.
%RSD	.9346	.6320	.3411	.4559	1.149	.2889
#1	2556.	2179.	2485.	2664.	900.1	2264.
#2	2602.	2205.	2476.	2640.	918.7	2277.
#3	2565.	2183.	2468.	2647.	901.2	2272.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2500.				
Range		-10.50%				

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1079.**	**4562.**	F **11250.**	**8249.**
Stddev	9.	1.	18.	148.
%RSD	.8181	.0287	.1581	1.788
#1	1079.	4561.	11270.	8117.
#2	1088.	4562.	11240.	8221.
#3	1070.	4563.	11240.	8408.
Check ?	Chk Pass	Chk Pass	Chk Fail	None
Value			10000.	
Range			10.50%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3904.9**	**38181.**	**5922.0**
Stddev	10.2	477.	128.6
%RSD	.26240	1.2506	2.1721
#1	3899.4	37669.	5793.7
#2	3916.8	38260.	5921.3
#3	3898.7	38614.	6051.0

Sample Name: CCB Acquired: 8/22/2016 14:41:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.55**	**1.106**	**.0704**	**-1.646**	**-.0744**	**-4.872**
Stddev	15.35	.604	.4771	.085	.1619	1.690
%RSD	145.5	54.62	678.0	5.181	217.4	34.69
#1	2.883	1.655	.3678	-1.583	.1123	-6.261
#2	-7.250	1.202	-.4800	-1.611	-.1623	-5.366
#3	-27.29	.4592	.3233	-1.743	-.1734	-2.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0975**	**-.0727**	**.0322**	**.9535**	**-2.060**	**80.31**
Stddev	.1025	.4468	.3189	.4929	15.16	31.21
%RSD	105.1	614.6	989.7	51.69	735.7	38.85
#1	-.0191	.3008	.3728	1.522	3.538	116.2
#2	-.2134	.0487	-.2594	.6927	9.500	59.15
#3	-.0599	-.5676	-.0168	.6459	-19.22	65.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.414**	**.1405**	**-11.50**	**-.0471**	**-.9572**	**.0107**
Stddev	1.494	.1244	10.76	.6831	1.461	1.235
%RSD	33.85	88.50	93.57	1451.	152.6	11560.
#1	5.178	.2613	-2.666	.2281	-1.456	-1.309
#2	5.371	.0128	-8.354	-.8249	-2.103	.2027
#3	2.692	.1476	-23.49	.4555	.6876	1.138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/22/2016 14:41:45 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.748**	**-4.414**	**-.3555**	**-1.517**	**2.308**	**.9385**
Stddev	2.034	.945	.3076	.291	.791	.4520
%RSD	42.84	21.41	86.53	19.19	34.28	48.16
#1	2.640	-5.502	-.4835	-1.853	3.156	1.417
#2	4.905	-3.795	-.5784	-1.348	2.175	.5191
#3	6.699	-3.944	-.0045	-1.350	1.591	.8793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5991**	**-.2319**	**.1959**	**-23.38**
Stddev	.8094	.1414	.1077	1.63
%RSD	135.1	60.98	54.96	6.951
#1	-.1693	-.0837	.2027	-22.61
#2	.5226	-.2465	.0850	-22.28
#3	1.444	-.3654	.3001	-25.25
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4088.5**	**40647.**	**6099.9**
Stddev	24.7	172.	113.7
%RSD	.60511	.42216	1.8637
#1	4073.2	40751.	6230.9
#2	4075.1	40449.	6027.5
#3	4117.0	40741.	6041.2

Sample Name: CCVL Acquired: 8/22/2016 14:45:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**184.7**	**15.97**	**8.843**	**197.1**	**2.069**	**4870.**
Stddev	8.7	1.54	.455	.5	.211	27.
%RSD	4.697	9.642	5.146	.2665	10.22	.5455
#1	177.2	16.45	8.331	197.7	2.180	4872.
#2	182.7	17.22	9.200	196.7	2.203	4895.
#3	194.2	14.25	9.000	196.8	1.825	4842.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.880**	**45.97**	**10.09**	**22.77**	**158.3**	**4325.**
Stddev	.115	.13	.34	.39	9.0	98.
%RSD	2.965	.2830	3.352	1.694	5.703	2.271
#1	3.763	45.83	10.15	22.57	155.3	4215.
#2	3.883	45.97	10.39	22.52	168.5	4405.
#3	3.993	46.09	9.725	23.21	151.3	4355.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4653.**	**15.50**	**4248.**	**37.49**	**8.652**	**15.85**
Stddev	87.	.20	87.	.48	.603	1.75
%RSD	1.861	1.288	2.046	1.267	6.968	11.02
#1	4584.	15.29	4155.	37.45	9.075	14.39
#2	4750.	15.68	4327.	37.03	8.919	15.37
#3	4626.	15.52	4264.	37.98	7.962	17.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/22/2016 14:45:46 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22.59**	**15.63**	**48.92**	**32.71**	**45.05**	**18.05**
Stddev	1.16	2.80	.65	.31	.28	.17
%RSD	5.149	17.90	1.329	.9404	.6137	.9258
#1	23.90	14.74	48.19	32.43	44.73	18.02
#2	21.70	18.76	49.44	32.67	45.24	17.90
#3	22.16	13.39	49.12	33.04	45.18	18.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**53.74**	**17.86**	**22.17**	F **-21.36**
Stddev	.92	.41	.31	16.43
%RSD	1.708	2.314	1.403	76.92
#1	54.28	17.45	22.12	-6.491
#2	52.68	18.28	22.50	-18.59
#3	54.26	17.85	21.88	-39.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4114.1**	**40716.**	**6127.8**
Stddev	12.8	300.	101.5
%RSD	.31054	.73672	1.6558
#1	4128.7	40777.	6244.8
#2	4108.8	40390.	6073.9
#3	4104.9	40981.	6064.6

Sample Name: 460-118619-e-6-b Acquired: 8/22/2016 14:49:46 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.89**	**.9114**	**.0391**	**58.77**	**-.2144**	**30690.**
Stddev	5.74	1.850	.2521	.27	.0893	124.
%RSD	38.53	202.9	644.9	.4579	41.65	.4051
#1	15.87	3.032	.2813	58.46	-.1317	30740.
#2	20.07	-.3718	-.2219	58.95	-.3091	30780.
#3	8.726	.0744	.0579	58.90	-.2025	30550.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0705**	**.2658**	**-.2019**	**1.664**	**-4.157**	**2263.**
Stddev	.1983	.1461	.2846	.406	3.177	51.
%RSD	281.3	54.98	141.0	24.36	76.43	2.265
#1	.1319	.4282	-.2033	1.483	-3.337	2220.
#2	.2308	.2240	-.4857	2.129	-1.470	2250.
#3	-.1512	.1451	.0835	1.381	-7.664	2320.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4516.**	**3.430**	**6486.**	**-.1467**	**-2.415**	**-.3810**
Stddev	73.	.092	120.	.3790	1.803	.3237
%RSD	1.608	2.692	1.853	258.3	74.65	84.96
#1	4440.	3.324	6374.	-.5801	-.4408	-.4794
#2	4585.	3.495	6472.	.1228	-2.830	-.0195
#3	4522.	3.470	6613.	.0171	-3.974	-.6441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-6-b Acquired: 8/22/2016 14:49:46 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.363**	**-3.718**	**.7876**	**4.301**	**28.11**	**.6880**
Stddev	1.434	2.826	.2892	.160	.40	.2374
%RSD	42.64	76.02	36.72	3.730	1.423	34.51
#1	4.207	-.7088	1.099	4.116	28.37	.6954
#2	1.707	-6.316	.7363	4.392	28.32	.4469
#3	4.175	-4.128	.5275	4.395	27.65	.9216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6935**	**122.0**	**.7585**	**1569.**
Stddev	.3902	1.9	.2049	24.
%RSD	56.26	1.533	27.01	1.559
#1	.9137	120.1	.6232	1558.
#2	.2430	122.1	.6581	1552.
#3	.9238	123.8	.9942	1597.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4067.9**	**40256.**	**6024.9**
Stddev	2.4	141.	78.2
%RSD	.05796	.34936	1.2982
#1	4070.5	40218.	6114.2
#2	4066.0	40139.	5968.5
#3	4067.1	40412.	5992.1

Sample Name: 460-118619-e-8-b Acquired: 8/22/2016 14:53:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**63.20**	**2.299**	**.1426**	**28.68**	**-.1087**	**27930.**
Stddev	20.09	2.283	.5435	.34	.1531	73.
%RSD	31.79	99.28	381.0	1.199	140.9	.2628
#1	85.24	2.944	.7675	28.97	-.0433	27960.
#2	45.90	-.2363	-.2207	28.77	-.2837	27840.
#3	58.46	4.191	-.1188	28.30	.0009	27980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1562**	**.4797**	**.2947**	**1.601**	**2.913**	**2258.**
Stddev	.1116	.2046	.2369	.574	11.44	78.
%RSD	71.47	42.65	80.38	35.89	392.8	3.435
#1	.1892	.6557	.1830	2.242	6.798	2181.
#2	.0318	.2552	.5667	1.134	11.91	2336.
#3	.2475	.5283	.1343	1.425	-9.965	2258.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3552.**	**20.07**	**34290.**	**.7524**	**1.788**	**-.6412**
Stddev	48.	.12	53.	.4877	.308	1.002
%RSD	1.352	.5995	.1535	64.82	17.22	156.2
#1	3497.	19.94	34340.	1.301	1.679	-1.234
#2	3577.	20.11	34300.	.5874	2.135	.5152
#3	3583.	20.17	34240.	.3686	1.549	-1.205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-8-b Acquired: 8/22/2016 14:53:45 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.378**	**-2.115**	**.3048**	**1.947**	**42.32**	**.3301**
Stddev	5.008	3.196	.1933	.133	.88	.2309
%RSD	53.40	151.1	63.43	6.829	2.085	69.95
#1	4.008	-5.654	.5127	1.801	41.62	.1447
#2	13.92	-1.254	.2711	2.062	43.31	.5887
#3	10.20	.5614	.1305	1.977	42.02	.2568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9108**	**120.8**	**.4084**	**1425.**
Stddev	1.349	1.4	.0766	59.
%RSD	148.1	1.162	18.76	4.136
#1	.2504	119.5	.4218	1408.
#2	2.463	120.7	.3260	1377.
#3	.0194	122.3	.4775	1491.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.2**	**40317.**	**6138.8**
Stddev	5.4	87.	62.8
%RSD	.13310	.21675	1.0230
#1	4078.1	40404.	6122.1
#2	4067.4	40229.	6086.0
#3	4071.0	40318.	6208.2

Sample Name: 460-118619-e-9-b Acquired: 8/22/2016 14:57:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**64.32**	**.7693**	**.1505**	**58.85**	**.0133**	**16740.**
Stddev	10.33	.2321	.2285	.30	.1438	50.
%RSD	16.06	30.17	151.8	.5177	1082.	.2971
#1	73.33	.5782	.0665	58.61	-.0562	16680.
#2	66.59	1.028	.4092	58.76	.1786	16780.
#3	53.04	.7022	-.0241	59.19	-.0826	16750.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0443**	**1.817**	**.1920**	**.4060**	**5021.**	**3551.**
Stddev	.2231	.279	.3018	.5322	61.	23.
%RSD	503.5	15.37	157.1	131.1	1.212	.6510
#1	.2189	1.496	.5049	-.0858	4951.	3525.
#2	.1210	1.944	-.0972	.3328	5064.	3561.
#3	-.2070	2.010	.1684	.9710	5047.	3568.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5136.**	**209.5**	**10340.**	**.3063**	**-2.824**	**.7215**
Stddev	59.	3.3	15.	.3837	.949	1.823
%RSD	1.147	1.557	.1470	125.3	33.62	252.6
#1	5069.	205.8	10350.	.1089	-1.919	2.598
#2	5179.	211.3	10330.	.7484	-2.740	.6094
#3	5161.	211.5	10350.	.0614	-3.812	-1.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118619-e-9-b Acquired: 8/22/2016 14:57:44 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.008**	**-3.653**	**-.4535**	**3.601**	**64.30**	**.1001**
Stddev	4.539	2.857	.4146	.094	.31	.2328
%RSD	150.9	78.21	91.43	2.604	.4842	232.6
#1	6.256	-.3766	-.3258	3.556	63.94	.3520
#2	-2.179	-4.959	-.1178	3.538	64.49	.0556
#3	4.947	-5.623	-.9169	3.709	64.47	-.1072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3693**	**90.82**	**.3089**	**1668.**
Stddev	.7993	1.17	.1481	43.
%RSD	216.4	1.294	47.94	2.549
#1	-.1002	89.65	.4799	1620.
#2	.2608	90.80	.2211	1683.
#3	-1.268	92.00	.2257	1701.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4129.4**	**40966.**	**6169.3**
Stddev	6.1	213.	146.5
%RSD	.14819	.51877	2.3745
#1	4130.5	41198.	6049.3
#2	4122.8	40780.	6332.5
#3	4134.9	40920.	6126.0

Sample Name: 460-118932-f-4-a@10 Acquired: 8/22/2016 15:01:42 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5526.**	**5.226**	**.4263**	**38.58**	**.0705**	**2837.**
Stddev	10.	1.290	.3033	.23	.1301	20.
%RSD	.1896	24.69	71.15	.6036	184.5	.6921
#1	5527.	6.047	.7203	38.39	-.0424	2860.
#2	5536.	5.893	.4441	38.51	.2128	2824.
#3	5515.	3.739	.1145	38.84	.0411	2828.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6749**	**4.224**	**16.50**	**8.130**	**20910.**	**889.7**
Stddev	.0745	.088	.60	.612	66.	54.2
%RSD	11.03	2.089	3.633	7.527	.3159	6.095
#1	-.6333	4.169	17.11	8.017	20890.	845.1
#2	-.6305	4.325	15.91	8.790	20990.	873.9
#3	-.7609	4.176	16.50	7.582	20860.	950.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2355.**	**217.8**	**199.2**	**8.151**	**-5.530**	**.0321**
Stddev	17.	2.2	25.8	.627	3.430	.9698
%RSD	.7148	1.029	12.95	7.690	62.03	3019.
#1	2344.	216.5	218.6	7.552	-9.405	-.9930
#2	2374.	220.3	169.9	8.099	-2.882	.1542
#3	2346.	216.4	209.0	8.802	-4.303	.9352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118932-f-4-a@10 Acquired: 8/22/2016 15:01:42 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.385**	**-5.319**	**26.46**	**26.38**	**2.117**	**.4575**
Stddev	2.493	4.483	.42	.25	.642	.1226
%RSD	73.63	84.28	1.593	.9644	30.34	26.81
#1	6.233	-.1428	26.95	26.20	2.272	.5572
#2	1.601	-7.952	26.25	26.68	2.667	.3205
#3	2.322	-7.864	26.19	26.28	1.411	.4948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.237**	**6.842**	**577.8**	**189.6**
Stddev	.787	.104	3.2	20.9
%RSD	24.31	1.525	.5531	11.05
#1	4.123	6.722	574.7	174.7
#2	2.969	6.897	577.7	180.6
#3	2.619	6.908	581.1	213.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4182.0**	**41529.**	**6072.1**
Stddev	6.7	201.	87.4
%RSD	.16091	.48390	1.4397
#1	4175.4	41303.	5971.2
#2	4188.8	41687.	6119.6
#3	4181.9	41598.	6125.5

Sample Name: 460-118857-e-1-b@10 Acquired: 8/22/2016 15:05:38 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17920.**	**7.734**	**.7448**	**407.4**	**.2720**	**141100.**
Stddev	23.	1.841	.5214	.7	.1579	223.
%RSD	.1281	23.81	70.00	.1770	58.05	.1582
#1	17940.	6.163	.4170	408.0	.2757	141200.
#2	17920.	7.278	1.346	406.6	.1123	141200.
#3	17900.	9.760	.4714	407.6	.4281	140800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1508**	**7.483**	**40.51**	**34.45**	**26540.**	**2662.**
Stddev	.1982	.392	.51	.25	138.	33.
%RSD	131.5	5.241	1.252	.7335	.5201	1.238
#1	.3735	7.448	41.09	34.18	26450.	2691.
#2	.0850	7.109	40.27	34.46	26470.	2626.
#3	-.0062	7.891	40.17	34.69	26700.	2668.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9871.**	**414.0**	**610.1**	**28.36**	**230.0**	**-2.100**
Stddev	70.	1.0	16.8	1.15	5.2	1.625
%RSD	.7085	.2407	2.749	4.057	2.278	77.40
#1	9811.	414.2	611.2	27.25	224.1	-2.667
#2	9856.	415.0	592.9	29.54	231.9	-.2672
#3	9948.	413.0	626.4	28.30	234.0	-3.366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-1-b@10 Acquired: 8/22/2016 15:05:38 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.596**	**-3.786**	**40.21**	**390.1**	**16.87**	**4.256**
Stddev	7.372	3.534	.16	4.9	.50	.351
%RSD	160.4	93.35	.3927	1.254	2.934	8.239
#1	12.80	-1.879	40.07	386.6	17.03	4.660
#2	2.454	-7.863	40.17	395.7	17.27	4.075
#3	-1.467	-1.614	40.38	388.0	16.32	4.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.880**	**157.7**	**1243.**	**371.4**
Stddev	.644	.3	5.	5.3
%RSD	8.178	.1930	.3855	1.420
#1	7.218	157.7	1248.	365.4
#2	7.916	157.3	1244.	373.7
#3	8.506	157.9	1238.	375.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4064.8**	**40308.**	**6093.4**
Stddev	3.0	143.	30.0
%RSD	.07329	.35413	.49211
#1	4066.6	40146.	6061.0
#2	4061.3	40359.	6099.0
#3	4066.3	40418.	6120.1

Sample Name: 460-118857-f-3-b@10 Acquired: 8/22/2016 15:09:30 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11940.**	**9.347**	**.8882**	**195.3**	**.3571**	**168600.**
Stddev	8.	2.239	.4067	.6	.1542	614.
%RSD	.0671	23.96	45.79	.3279	43.17	.3639
#1	11950.	7.126	.5933	195.0	.4853	168800.
#2	11940.	11.60	.7192	194.9	.3998	167900.
#3	11950.	9.311	1.352	196.1	.1860	169100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1694**	**6.535**	**26.37**	**64.82**	**23440.**	**1881.**
Stddev	.1589	.083	.28	.34	232.	26.
%RSD	93.79	1.262	1.076	.5320	.9907	1.400
#1	.0487	6.534	26.47	64.62	23190.	1909.
#2	.1102	6.618	26.05	65.22	23480.	1877.
#3	.3494	6.453	26.58	64.62	23640.	1857.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32750.**	**357.5**	**401.1**	**24.07**	**214.3**	**-.2130**
Stddev	120.	1.1	31.5	1.04	1.2	.6091
%RSD	.3652	.2966	7.860	4.333	.5389	286.0
#1	32860.	357.5	368.6	22.91	213.3	-.2091
#2	32620.	356.5	403.1	24.37	214.0	.3942
#3	32760.	358.6	431.6	24.93	215.6	-.8240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-f-3-b@10 Acquired: 8/22/2016 15:09:30 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.005**	**-2.068**	**50.13**	**311.9**	**26.82**	**1.961**
Stddev	3.706	1.171	.99	2.5	.20	.445
%RSD	368.9	56.63	1.979	.7974	.7312	22.71
#1	3.455	-.7186	48.99	310.6	26.67	1.449
#2	-3.259	-2.667	50.73	314.8	26.75	2.260
#3	2.817	-2.819	50.68	310.3	27.04	2.174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.226**	**463.7**	**718.5**	**1130.**
Stddev	1.186	1.1	1.7	11.
%RSD	19.05	.2422	.2365	.9933
#1	5.155	463.4	720.4	1135.
#2	7.501	462.8	717.7	1138.
#3	6.022	465.0	717.3	1117.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4030.2**	**39718.**	**6100.6**
Stddev	24.7	373.	80.7
%RSD	.61237	.93838	1.3234
#1	4001.9	39315.	6016.3
#2	4042.0	40050.	6177.2
#3	4046.8	39790.	6108.1

Sample Name: 460-118857-f-6-a@10 Acquired: 8/22/2016 15:13:23 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16970.**	**6.852**	**1.410**	**189.2**	**.3519**	**31750.**
Stddev	89.	2.262	.457	.7	.1885	199.
%RSD	.5240	33.02	32.38	.3552	53.57	.6251
#1	17060.	7.712	1.867	188.5	.5507	31950.
#2	16970.	8.558	1.410	189.3	.1757	31550.
#3	16880.	4.285	.9537	189.8	.3293	31740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1968**	**14.93**	**35.29**	**57.75**	**39580.**	**3845.**
Stddev	.1458	.40	.23	.74	212.	57.
%RSD	74.11	2.646	.6572	1.279	.5356	1.479
#1	-.3603	14.74	35.29	57.16	39790.	3911.
#2	-.1498	14.67	35.53	57.50	39360.	3808.
#3	-.0802	15.38	35.06	58.58	39590.	3817.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10970.**	**764.4**	**412.1**	**41.85**	**6496.**	**-.0639**
Stddev	96.	3.9	6.2	.03	7.	2.093
%RSD	.8788	.5039	1.501	.0645	.1137	3276.
#1	10950.	768.0	405.8	41.89	6497.	2.065
#2	10870.	760.4	418.1	41.84	6489.	-2.120
#3	11070.	764.7	412.5	41.84	6504.	-.1367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-f-6-a@10 Acquired: 8/22/2016 15:13:23 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.400**	**-2.675**	**52.18**	**224.2**	**6.199**	**1.144**
Stddev	1.114	.476	.93	1.7	.185	.284
%RSD	32.75	17.79	1.788	.7472	2.991	24.85
#1	3.601	-3.211	52.78	222.4	6.114	1.376
#2	2.200	-2.300	51.11	224.6	6.071	.8268
#3	4.400	-2.515	52.65	225.7	6.412	1.230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.835**	**107.1**	**1058.**	**293.3**
Stddev	.664	.1	.	23.0
%RSD	8.469	.1384	.0220	7.845
#1	7.948	107.2	1058.	288.5
#2	7.122	107.2	1058.	318.3
#3	8.435	107.0	1058.	273.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4165.1**	**41419.**	**6189.9**
Stddev	9.0	462.	133.3
%RSD	.21573	1.1151	2.1532
#1	4155.7	40995.	6036.6
#2	4173.6	41911.	6255.4
#3	4165.8	41352.	6277.8

Sample Name: 460-118857-e-9-a@40 Acquired: 8/22/2016 15:17:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3999.**	**2.794**	**-.0327**	**44.67**	**-.0982**	**7739.**
Stddev	15.	2.643	.0637	.23	.1509	37.
%RSD	.3836	94.58	195.1	.5063	153.6	.4823
#1	3999.	2.828	-.1051	44.76	-.2392	7696.
#2	3984.	5.421	.0148	44.83	.0609	7758.
#3	4014.	.1347	-.0077	44.41	-.1165	7764.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3054**	**3.320**	**9.578**	**13.07**	**9066.**	**946.0**
Stddev	.0694	.254	.314	.86	70.	15.2
%RSD	22.72	7.643	3.278	6.587	.7666	1.602
#1	.3789	3.045	9.934	12.15	8989.	937.5
#2	.2964	3.370	9.456	13.86	9125.	963.5
#3	.2410	3.545	9.343	13.21	9083.	937.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2579.**	**207.0**	**83.75**	**10.48**	**6062.**	**-.9286**
Stddev	5.	1.6	20.62	.27	8.	1.438
%RSD	.1786	.7583	24.63	2.545	.1315	154.8
#1	2575.	205.3	60.13	10.78	6057.	-1.462
#2	2578.	208.4	92.87	10.37	6059.	.6996
#3	2584.	207.3	98.23	10.28	6071.	-2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-9-a@40 Acquired: 8/22/2016 15:17:13 Type: Unk
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.989**	**-2.312**	**10.65**	**136.0**	**1.464**	**.9499**
Stddev	1.430	1.421	.20	1.9	.265	.3184
%RSD	71.92	61.46	1.846	1.360	18.08	33.52
#1	.7743	-3.874	10.85	133.9	1.212	.9976
#2	1.626	-1.097	10.46	137.5	1.740	1.242
#3	3.565	-1.965	10.65	136.6	1.441	.6104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.707**	**27.63**	**253.1**	**48.80**
Stddev	.605	.17	3.1	14.49
%RSD	22.33	.6147	1.234	29.70
#1	2.045	27.44	249.9	39.58
#2	3.230	27.77	256.2	65.50
#3	2.847	27.68	253.3	41.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4169.1**	**41587.**	**6185.1**
Stddev	24.8	188.	47.5
%RSD	.59584	.45194	.76875
#1	4192.4	41784.	6156.6
#2	4171.8	41568.	6240.0
#3	4143.0	41410.	6158.8

Sample Name: CCB Acquired: 8/22/2016 15:24:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.084**	**1.164**	**.3166**	**-1.535**	**-.2996**	**-1.843**
Stddev	2.956	2.213	.8400	.214	.1976	1.900
%RSD	72.38	190.2	265.3	13.93	65.95	103.1
#1	-4.243	-1.392	.7687	-1.355	-.2225	.2518
#2	-6.958	2.406	-.6527	-1.771	-.1522	-2.324
#3	-1.052	2.478	.8337	-1.477	-.5241	-3.455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0603**	**.0763**	**.2885**	**1.122**	**-13.05**	**80.15**
Stddev	.0409	.0642	.4497	.568	16.75	24.84
%RSD	67.77	84.19	155.9	50.57	128.4	30.99
#1	-.0412	.0041	-.2112	1.149	1.898	56.05
#2	-.0325	.1271	.6605	.5421	-9.890	105.7
#3	-.1072	.0976	.4162	1.677	-31.16	78.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.037**	**.1323**	**-17.46**	**-.4809**	**-2.063**	**-.0876**
Stddev	3.752	.0255	9.23	.1491	1.809	1.815
%RSD	123.6	19.26	52.85	30.99	87.67	2073.
#1	6.616	.1056	-28.12	-.3092	-.2038	-.7686
#2	3.362	.1564	-11.97	-.5766	-2.168	1.969
#3	-.8677	.1349	-12.30	-.5570	-3.816	-1.463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/22/2016 15:24:43 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.480**	**-3.337**	**-.4678**	**-1.636**	**2.428**	**1.631**
Stddev	4.353	1.160	1.035	.205	.902	.588
%RSD	58.20	34.77	221.3	12.56	37.13	36.02
#1	7.138	-3.051	-.4855	-1.761	3.432	2.307
#2	11.99	-4.614	.5763	-1.747	2.167	1.344
#3	3.307	-2.347	-1.494	-1.398	1.686	1.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9255**	**-.1672**	**.5728**	**-25.83**
Stddev	.9929	.0430	.2466	13.92
%RSD	107.3	25.69	43.04	53.87
#1	.1119	-.1236	.8347	-12.15
#2	2.032	-.1685	.5385	-25.38
#3	.6328	-.2095	.3452	-39.97
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.9**	**40832.**	**6015.3**
Stddev	14.6	393.	60.8
%RSD	.35571	.96224	1.0111
#1	4115.4	40850.	5990.7
#2	4093.6	41215.	6084.6
#3	4087.8	40430.	5970.7

Sample Name: CCVL Acquired: 8/22/2016 15:28:44 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**186.5**	**13.28**	**8.719**	**196.4**	**1.902**	**4854.**
Stddev	3.6	.75	.245	.5	.062	25.
%RSD	1.927	5.628	2.808	.2546	3.279	.5138
#1	182.4	14.04	8.569	196.4	1.958	4851.
#2	189.1	12.55	9.001	196.9	1.835	4831.
#3	188.0	13.24	8.586	195.9	1.911	4881.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.993**	**46.00**	**10.03**	**22.42**	**164.2**	**4339.**
Stddev	.059	.08	.28	.48	11.6	81.
%RSD	1.483	.1634	2.802	2.160	7.087	1.859
#1	4.050	46.08	9.743	22.71	170.9	4270.
#2	3.932	45.93	10.03	21.86	170.8	4319.
#3	3.999	45.99	10.31	22.68	150.7	4427.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4605.**	**15.33**	**4251.**	**36.66**	**11.61**	**16.64**
Stddev	80.	.40	39.	1.33	2.19	.58
%RSD	1.743	2.596	.9167	3.638	18.89	3.490
#1	4532.	15.01	4220.	35.35	12.96	16.22
#2	4591.	15.21	4238.	36.59	12.79	16.41
#3	4691.	15.78	4294.	38.02	9.076	17.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/22/2016 15:28:44 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22.44**	**15.27**	**48.14**	**32.84**	**44.97**	**18.13**
Stddev	.98	1.68	.78	.87	.22	.90
%RSD	4.387	11.01	1.621	2.643	.4786	4.988
#1	23.49	15.73	47.47	32.08	44.84	17.44
#2	22.29	13.40	47.97	32.66	44.86	17.78
#3	21.54	16.66	49.00	33.78	45.22	19.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**53.13**	**17.93**	**22.42**	F **-24.91**
Stddev	.07	.36	.38	8.57
%RSD	.1330	2.015	1.673	34.41
#1	53.18	17.76	21.99	-19.03
#2	53.05	17.68	22.68	-20.95
#3	53.16	18.34	22.60	-34.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4118.4**	**40777.**	**6074.7**
Stddev	3.7	177.	58.1
%RSD	.08875	.43506	.95674
#1	4114.3	40687.	6033.5
#2	4119.6	40982.	6141.2
#3	4121.3	40663.	6049.5

Sample Name: CCV Acquired: 8/22/2016 15:21:07 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119300.**	**2308.**	**1216.**	**10070.**	**1055.**	**126200.**
Stddev	322.	4.	8.	29.	2.	1284.
%RSD	.2695	.1566	.6781	.2873	.2321	1.018
#1	119200.	2306.	1207.	10040.	1052.	124800.
#2	119700.	2312.	1224.	10080.	1057.	126500.
#3	119000.	2307.	1218.	10090.	1054.	127300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1214.**	**2300.**	**5065.**	**11670.**	**101100.**	**46730.**
Stddev	4.	3.	44.	54.	805.	157.
%RSD	.3176	.1411	.8781	.4598	.7970	.3349
#1	1210.	2296.	5017.	11630.	100100.	46560.
#2	1216.	2302.	5075.	11730.	101300.	46770.
#3	1217.	2301.	5104.	11650.	101700.	46870.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

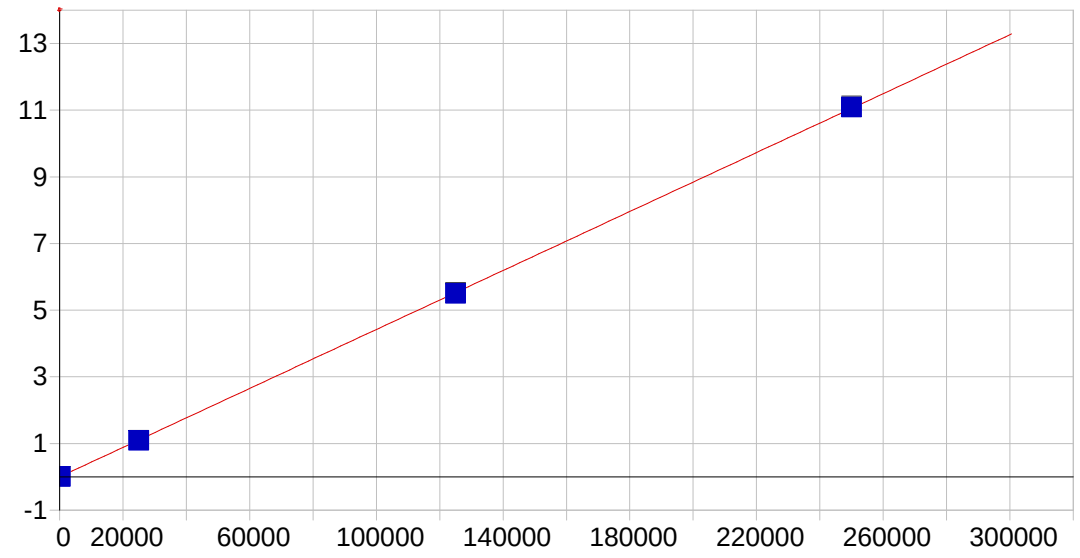
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120500.**	**5082.**	**118400.**	**2279.**	**7294.**	F **892.4**
Stddev	1034.	44.	200.	4.	20.	2.4
%RSD	.8581	.8580	.1691	.1766	.2693	.2712
#1	119300.	5034.	118500.	2274.	7277.	893.3
#2	120900.	5093.	118500.	2282.	7289.	894.3
#3	121200.	5119.	118200.	2280.	7315.	889.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1000.
Range						-10.50%

Sample Name: CCV Acquired: 8/22/2016 15:21:07 Type: QC
Method: BC08162016(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2567.**	F **2209.**	**2486.**	**2674.**	**907.8**	**2289.**
Stddev	6.	8.	19.	18.	4.9	7.
%RSD	.2238	.3756	.7458	.6847	.5401	.2859
#1	2572.	2213.	2465.	2654.	913.5	2284.
#2	2561.	2215.	2492.	2676.	905.3	2296.
#3	2569.	2200.	2501.	2691.	904.7	2286.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2500.				
Range		-10.50%				

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1076.**	**4629.**	F **11230.**	**8494.**
Stddev	4.	20.	70.	217.
%RSD	.3443	.4255	.6243	2.557
#1	1078.	4611.	11150.	8368.
#2	1071.	4626.	11260.	8368.
#3	1077.	4650.	11280.	8744.
Check ?	Chk Pass	Chk Pass	Chk Fail	None
Value			10000.	
Range			10.50%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3905.3**	**38417.**	**6099.9**
Stddev	9.4	112.	190.5
%RSD	.23987	.29139	3.1227
#1	3894.7	38538.	5999.8
#2	3908.5	38317.	5980.4
#3	3912.5	38397.	6319.6

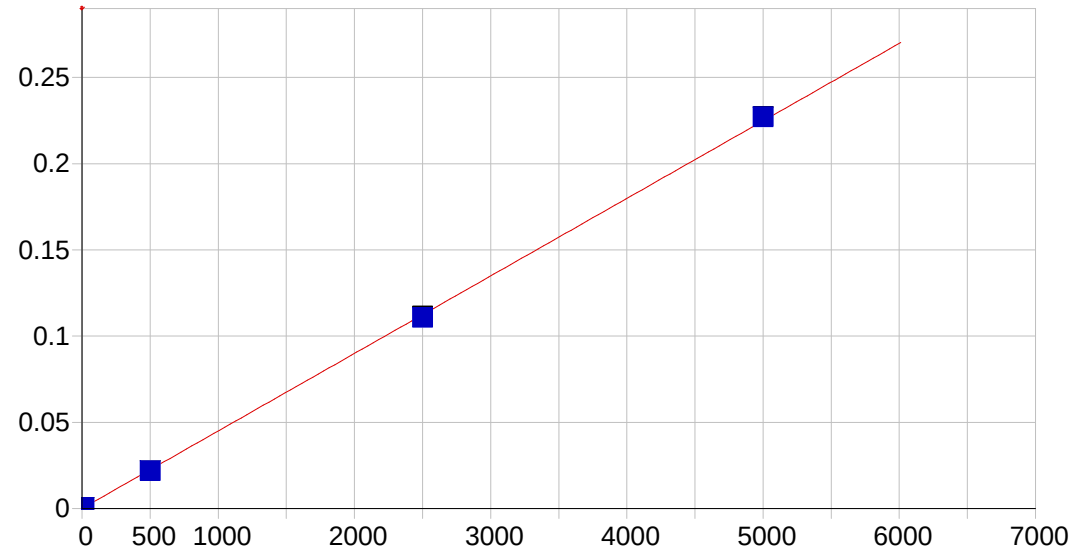


Al 396.152 { 85}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000316	Re-Slope:	1.000000
A1 (Gain):	0.000044	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999989	Status:	OK.
Std Error of Est:	0.000076		
Predicted MDL:	11.851879		
Predicted MQL:	39.506263		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01243	-.012	.000	-.00032	.000	1
CAL2	200.00	214.99	15.0	7.50	.00922	.000	1
CAL3	25000.	24699.	-301.	-1.20	1.0926	.003	1
CAL4	125000.	124530.	-472.	-.378	5.5099	.006	1
CAL5	250000.	250760.	758.	.303	11.095	.024	1

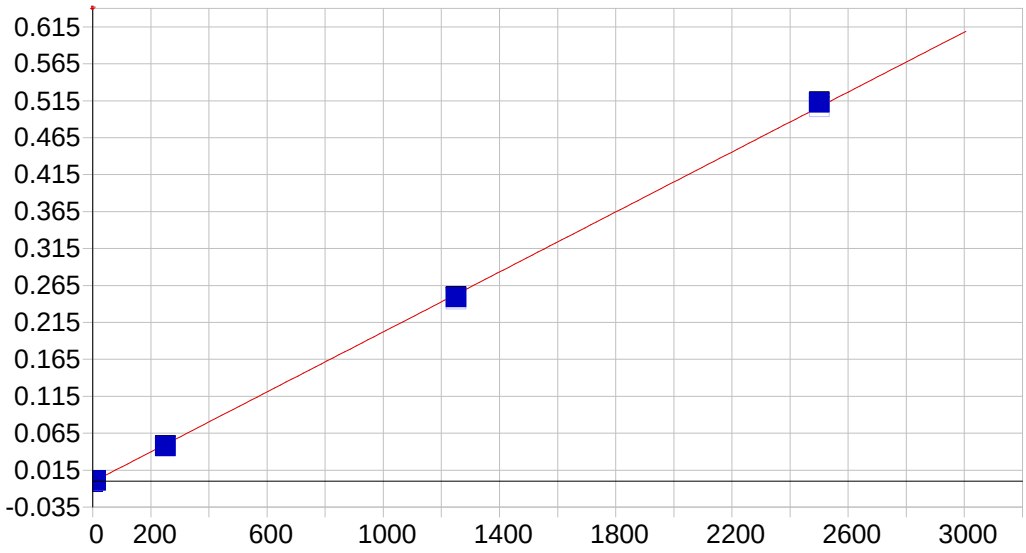


As 189.042 {478}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000036	Re-Slope:	1.000000
A1 (Gain):	0.000045	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999812	Status:	OK.
Std Error of Est:	0.000007		
Predicted MDL:	1.957579		
Predicted MQL:	6.525262		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00341	.003	.000	.00004	.000	1
CAL2	15.000	13.298	-1.70	-11.3	.00063	.000	1
CAL3	500.00	486.88	-13.1	-2.62	.02190	.000	1
CAL4	2500.0	2465.5	-34.5	-1.38	.11075	.001	1
CAL5	5000.0	5052.0	52.0	1.04	.22691	.000	1
CAL1	5.0000	2.3102	-2.69	-53.8	.00014	.000	1

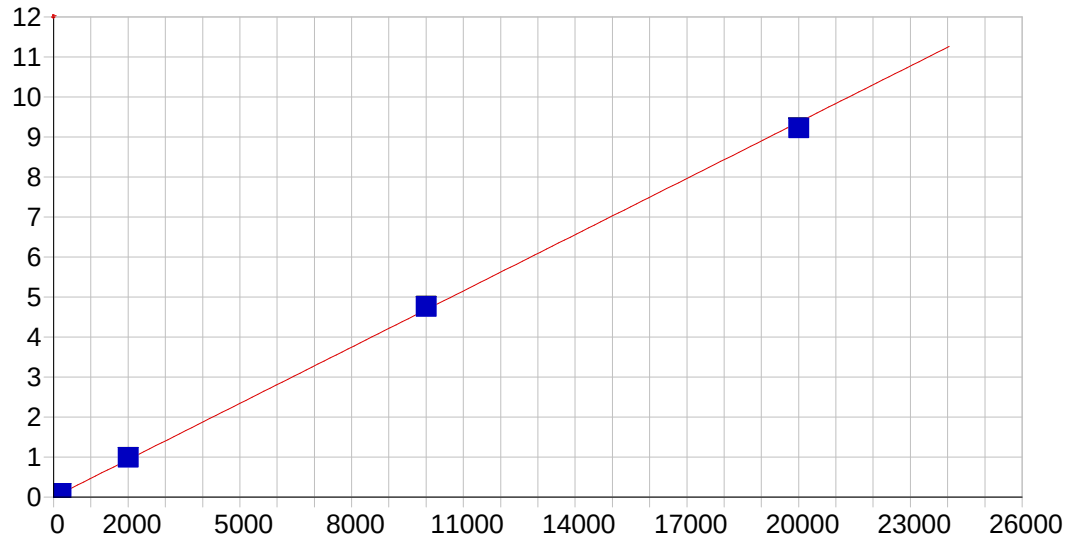


Ag 328.068 {103}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000882	Re-Slope:	1.000000
A1 (Gain):	0.000203	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999853	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	0.582710		
Predicted MQL:	1.942368		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00100	.001	.000	-.00088	.000	1
CAL2	10.000	9.4629	-.537	-5.37	.00102	.000	1
CAL3	250.00	239.02	-11.0	-4.39	.04704	.000	1
CAL4	1250.0	1231.3	-18.7	-1.49	.24607	.001	1
CAL5	2500.0	2530.2	30.2	1.21	.50673	.001	1

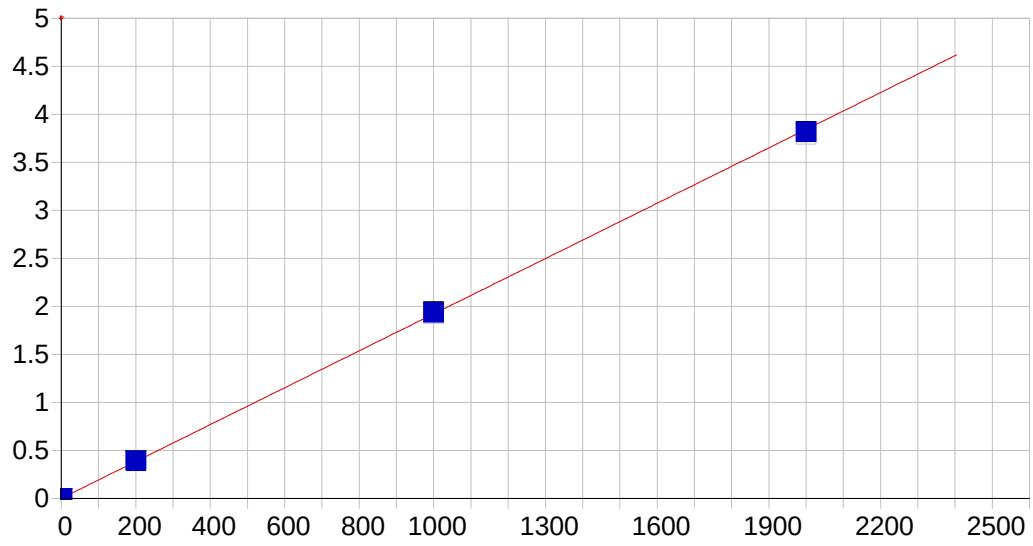


Ba 233.527 {445}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000071	Re-Slope:	1.000000
A1 (Gain):	0.000468	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999755	Status:	OK.
Std Error of Est:	0.001073		
Predicted MDL:	0.200615		
Predicted MQL:	0.668718		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02996	-.030	.000	.00006	.000	1
CAL2	200.00	217.97	18.0	8.98	.10214	.000	1
CAL3	2000.0	2116.7	117.	5.83	.99121	.002	1
CAL4	10000.	10167.	167.	1.67	4.7606	.003	1
CAL5	20000.	19698.	-302.	-1.51	9.2235	.005	1



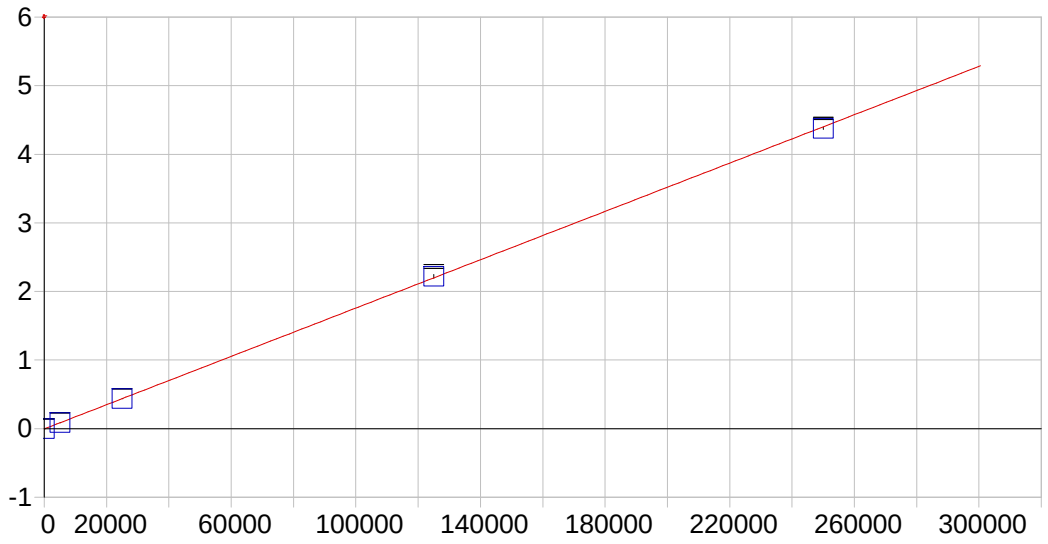
Be 313.042 {108}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000573	Re-Slope:	1.000000

A1 (Gain):	0.001921	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999960	Status:	OK.
Std Error of Est:	0.000056		
Predicted MDL:	0.179954		
Predicted MQL:	0.599847		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00001	-.000	.000	.00057	.000	1
CAL2	2.0000	1.9659	-.034	-1.70	.00432	.000	1
CAL3	200.00	204.33	4.33	2.17	.39028	.001	1
CAL4	1000.0	1008.7	8.66	.866	1.9241	.005	1
CAL5	2000.0	1987.0	-13.0	-.648	3.7895	.001	1

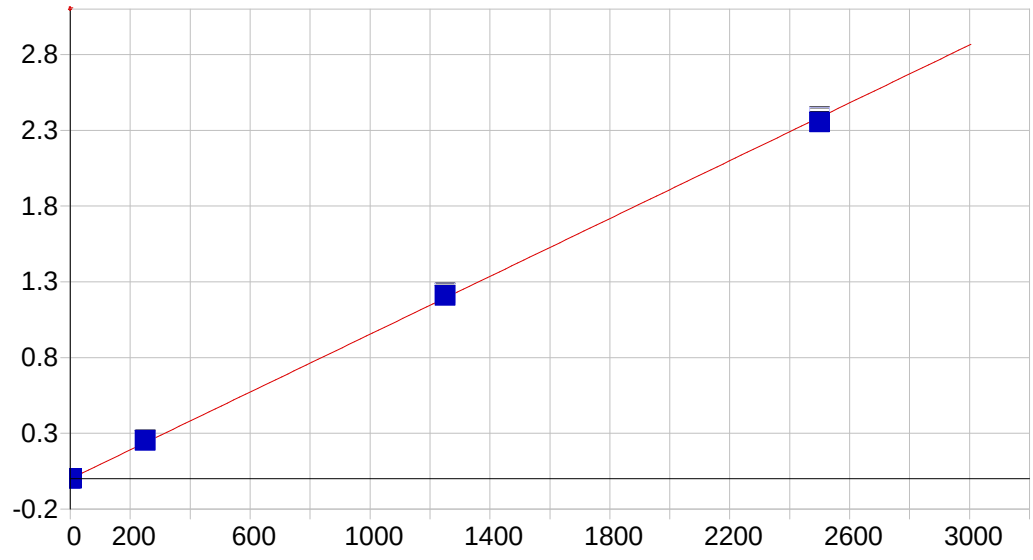


Ca 318.128 {106}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003449	Re-Slope:	1.000000
A1 (Gain):	0.000018	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999972	Status:	OK.
Std Error of Est:	0.000241		
Predicted MDL:	8.202772		
Predicted MQL:	27.342575		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.12829	-.128	.000	-.00345	.000	1
CAL2	5000.0	5120.0	120.	2.40	.08674	.000	1
CAL3	25000.	24920.	-80.2	-.321	.43550	.000	1
CAL4	125000.	126260.	1260.	1.00	2.2205	.026	1
CAL5	250000.	248700.	-1300.	-.518	4.3774	.016	1

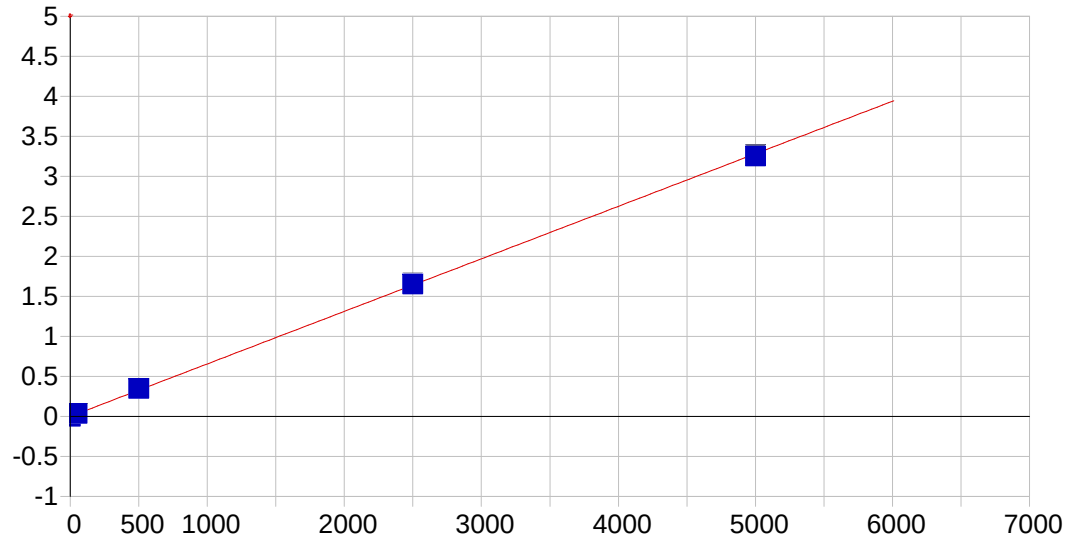


Cd 226.502 {449}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000289	Re-Slope:	1.000000
A1 (Gain):	0.000954	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999808	Status:	OK.
Std Error of Est:	0.000098		
Predicted MDL:	0.143664		
Predicted MQL:	0.478879		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00048	-.000	.000	-.00029	.000	1
CAL2	4.0000	4.2419	.242	6.05	.00378	.000	1
CAL3	250.00	264.84	14.8	5.94	.25565	.000	1
CAL4	1250.0	1267.8	17.8	1.42	1.2255	.001	1
CAL5	2500.0	2467.1	-32.9	-1.31	2.3861	.002	1



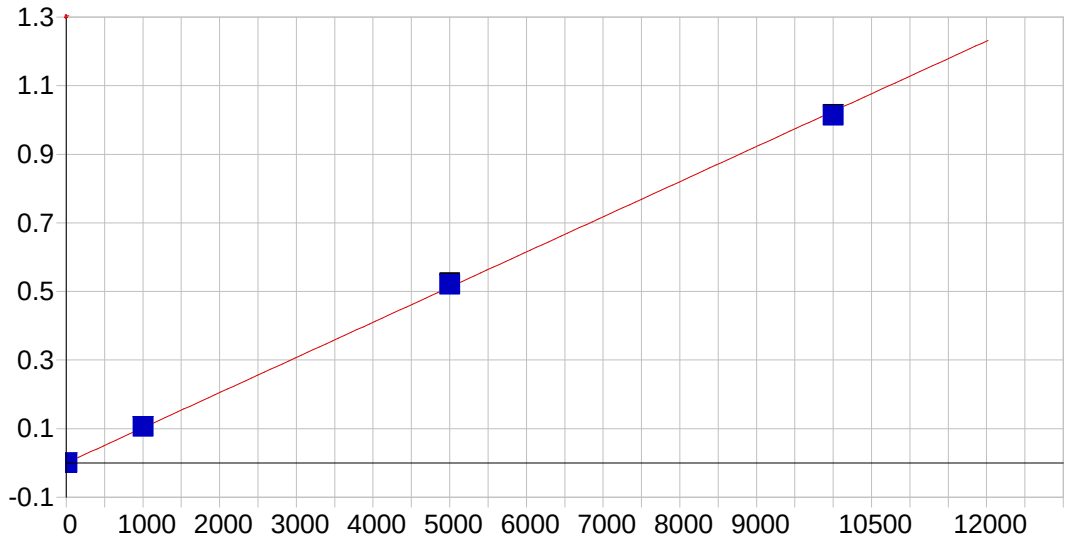
Co 228.616 {447}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000074	Re-Slope:	1.000000

A1 (Gain):	0.000657	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999854	Status:	OK.
Std Error of Est:	0.000292		
Predicted MDL:	0.250611		
Predicted MQL:	0.835372		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00637	-.006	.000	-.00008	.000	1
CAL2	50.000	53.772	3.77	7.54	.03523	.000	1
CAL3	500.00	527.43	27.4	5.49	.34810	.001	1
CAL4	2500.0	2517.2	17.2	.687	1.6620	.002	1
CAL5	5000.0	4951.6	-48.4	-.967	3.2698	.001	1

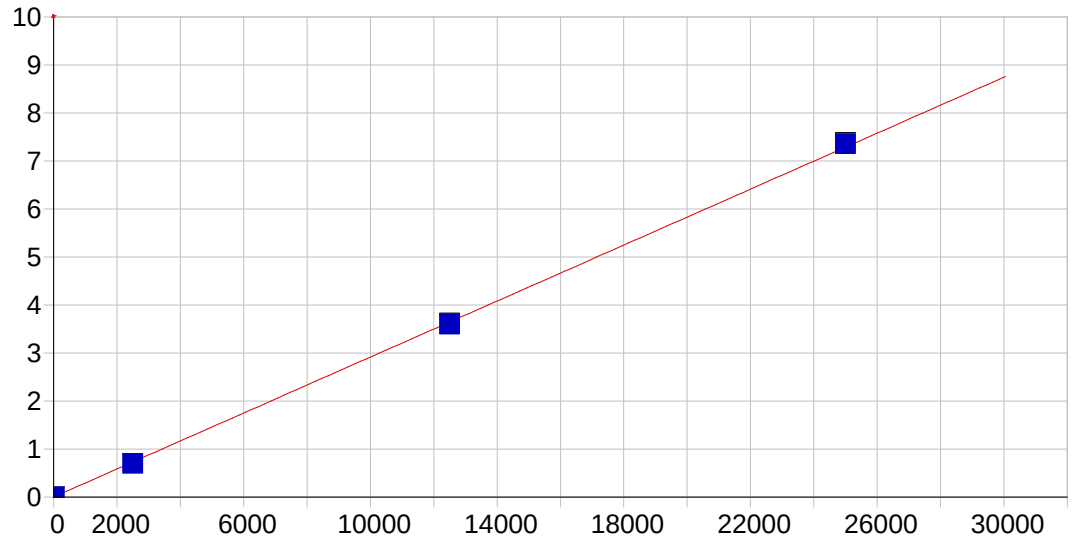


Cr 267.716 {126}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000033	Re-Slope:	1.000000
A1 (Gain):	0.000103	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999875	Status:	OK.
Std Error of Est:	0.000026		
Predicted MDL:	0.682363		
Predicted MQL:	2.274542		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00111	-.001	.000	.00003	.000	1
CAL2	10.000	10.693	.693	6.93	.00113	.000	1
CAL3	1000.0	1037.8	37.8	3.78	.10643	.000	1
CAL4	5000.0	5077.3	77.3	1.55	.52057	.004	1
CAL5	10000.	9884.2	-116.	-1.16	1.0134	.003	1

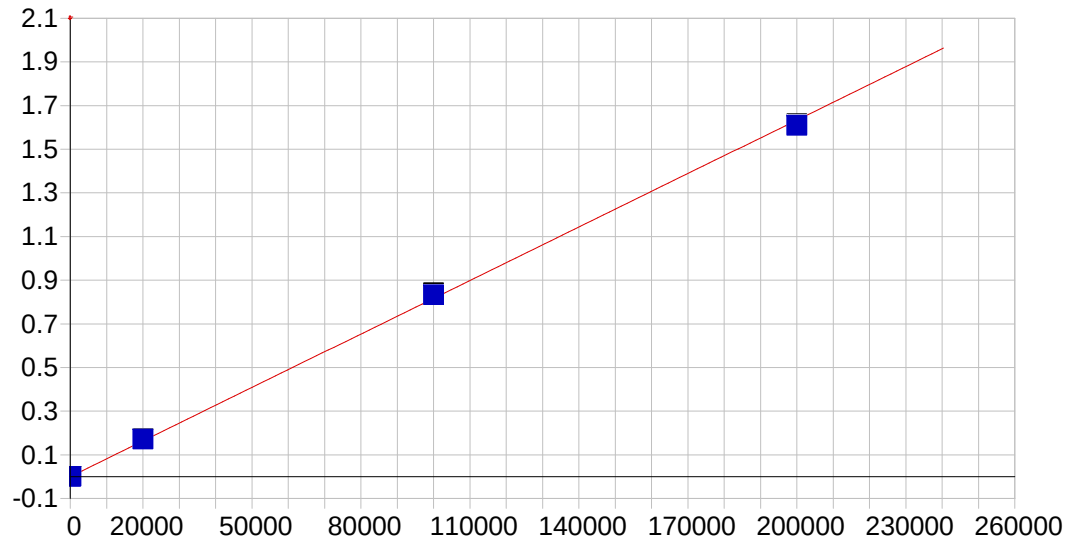


Cu 324.754 {104}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002461	Re-Slope:	1.000000
A1 (Gain):	0.000291	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999892	Status:	OK.
Std Error of Est:	0.000175		
Predicted MDL:	0.386267		
Predicted MQL:	1.287556		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00163	.002	.000	.00246	.000	1
CAL2	25.000	24.430	-.570	-2.28	.00957	.000	1
CAL3	2500.0	2400.0	-100.0	-4.00	.70142	.001	1
CAL4	12500.	12343.	-157.	-1.26	3.5972	.020	1
CAL5	25000.	25258.	258.	1.03	7.3586	.015	1



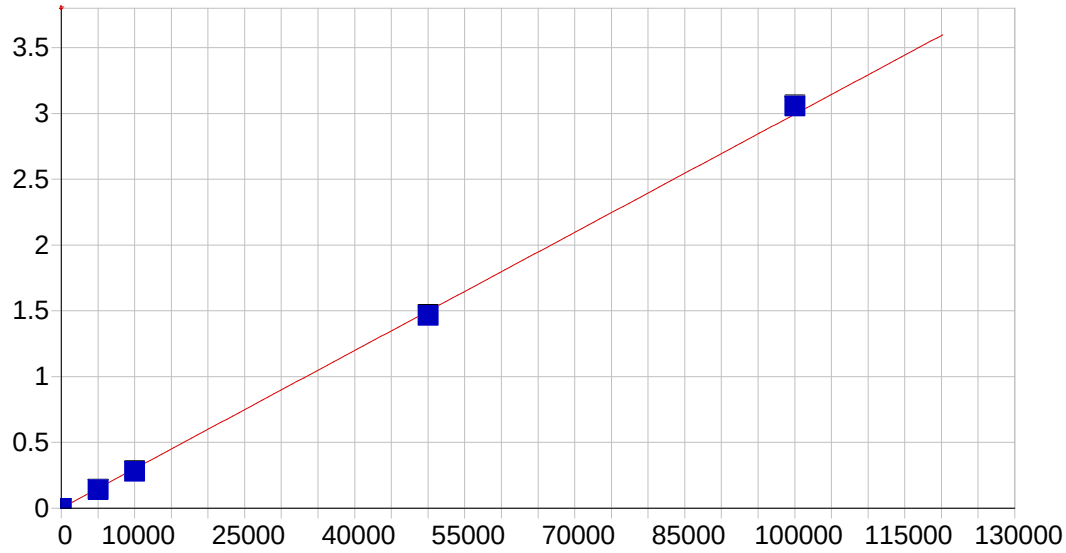
Fe 271.441 {124}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000050	Re-Slope:	1.000000

A1 (Gain):	0.000008	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999777	Status:	OK.
Std Error of Est:	0.000049		
Predicted MDL:	10.579064		
Predicted MQL:	35.263546		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.04105	-.041	.000	-.00005	.000	1
CAL2	150.00	182.54	32.5	21.7	.00147	.000	1
CAL3	20000.	21052.	1050.	5.26	.17224	.000	1
CAL4	100000.	101910.	1910.	1.91	.83401	.007	1
CAL5	200000.	197010.	-2990.	-1.50	1.6125	.004	1

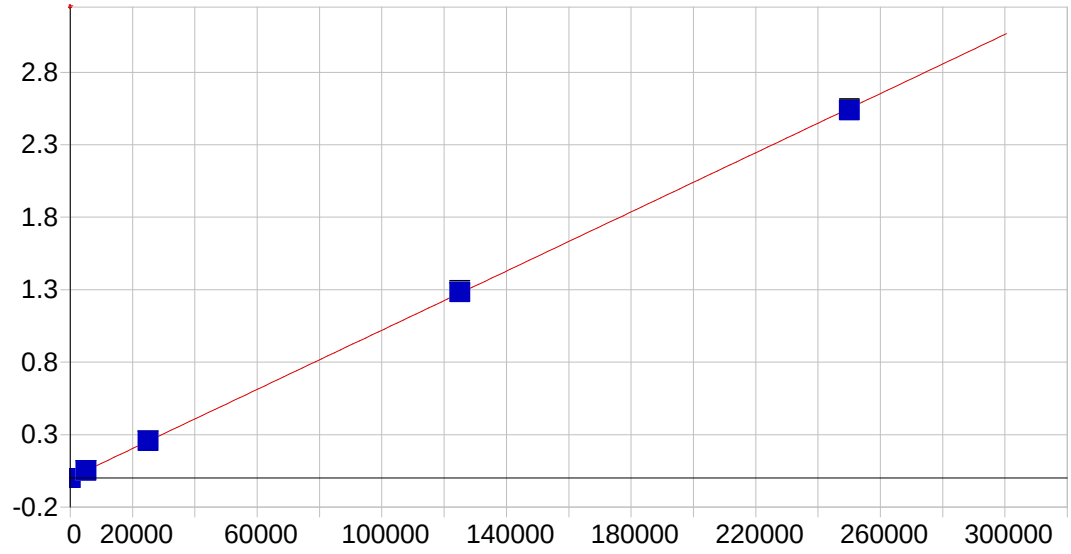


K 766.490 { 44}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001424	Re-Slope:	1.000000
A1 (Gain):	0.000030	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999604	Status:	OK.
Std Error of Est:	0.000988		
Predicted MDL:	50.728529		
Predicted MQL:	169.095096		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.64562	.646	.000	.00144	.001	1
CAL2	5000.0	4696.8	-303.	-6.06	.14201	.001	1
CAL3	10000.	9327.5	-673.	-6.73	.28072	.001	1
CAL4	50000.	48902.	-1100.	-2.20	1.4657	.005	1
CAL5	100000.	102070.	2070.	2.07	3.0578	.005	1

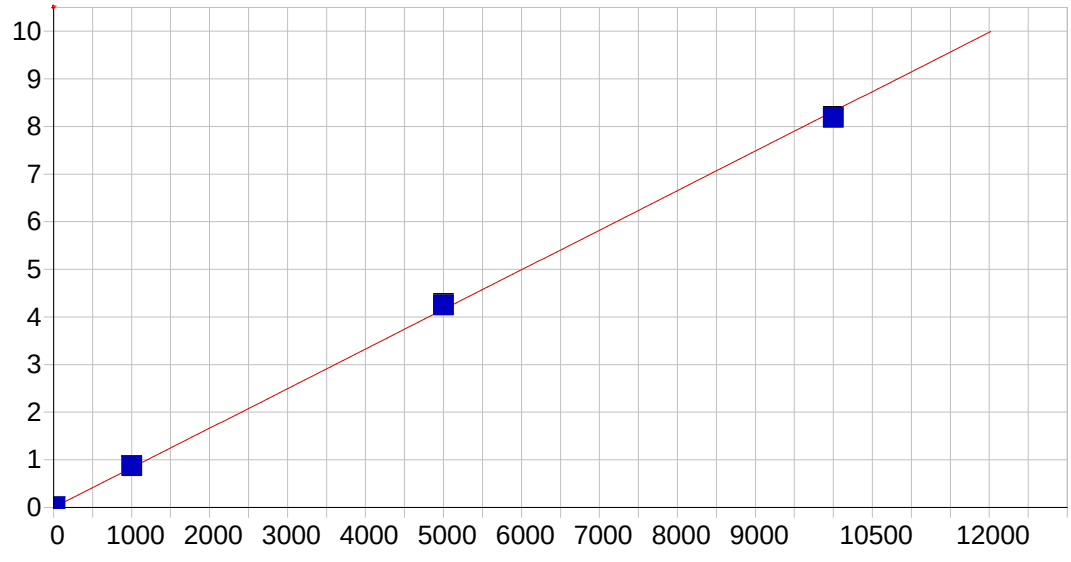


Mg 279.079 {121}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000008	Re-Slope:	1.000000
A1 (Gain):	0.000010	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000114		
Predicted MDL:	7.057682		
Predicted MQL:	23.525608		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.14193	-.142	.000	-.00001	.000	1
CAL2	5000.0	5104.0	104.	2.08	.05207	.000	1
CAL3	25000.	25119.	119.	.478	.25615	.000	1
CAL4	125000.	125930.	925.	.740	1.2842	.010	1
CAL5	250000.	248850.	-1150.	-.460	2.5377	.008	1



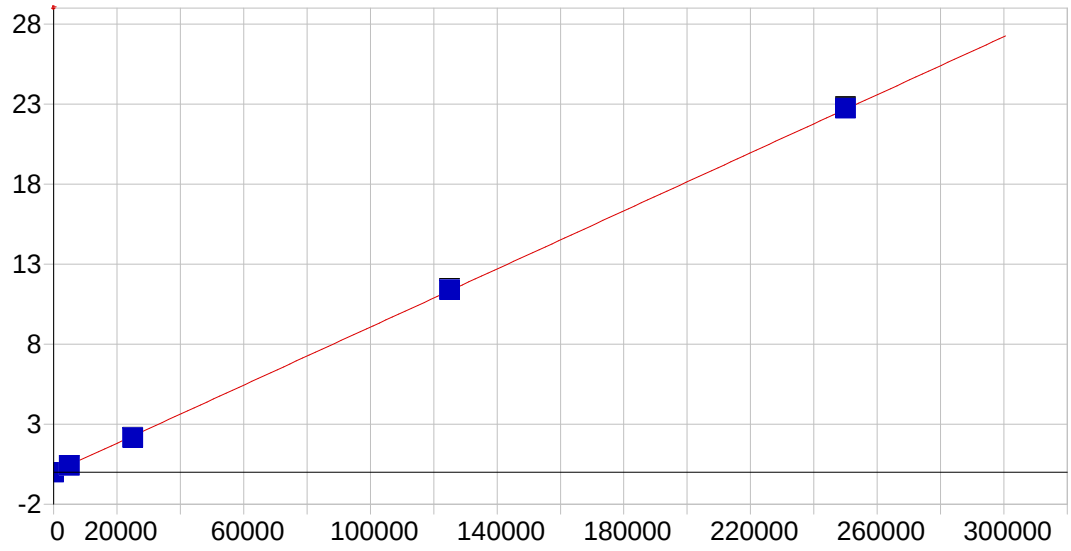
Mn 257.610 {131}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000085	Re-Slope:	1.000000

A1 (Gain):	0.000832	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999777	Status:	OK.
Std Error of Est:	0.000351		
Predicted MDL:	0.082549		
Predicted MQL:	0.275164		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00225	-.002	.000	.00008	.000	1
CAL2	15.000	16.462	1.46	9.74	.01377	.000	1
CAL3	1000.0	1046.7	46.7	4.67	.87021	.001	1
CAL4	5000.0	5108.6	109.	2.17	4.2470	.026	1
CAL5	10000.	9843.2	-157.	-1.57	8.1829	.020	1

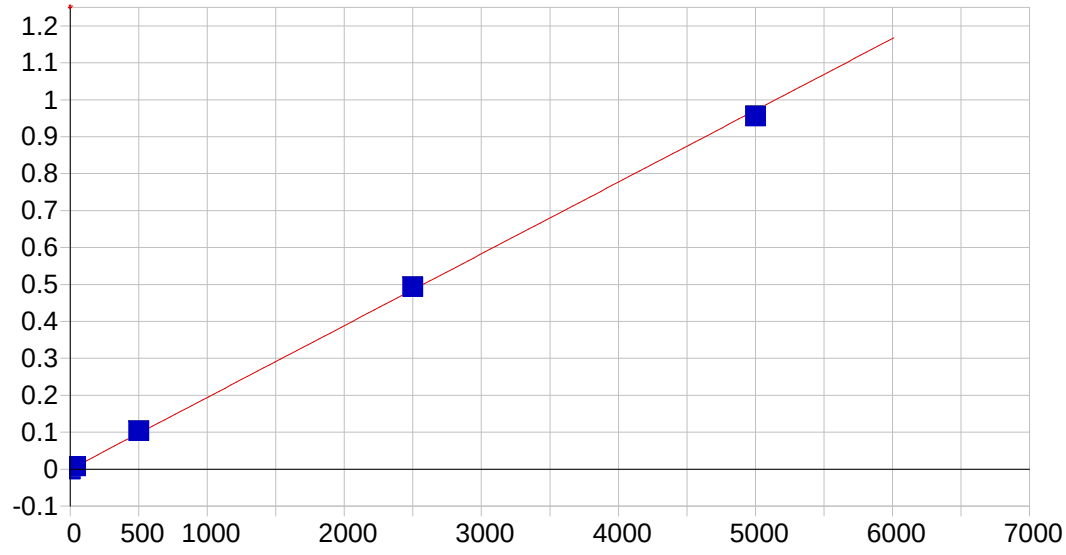


Na 589.592 { 57}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000924	Re-Slope:	1.000000
A1 (Gain):	0.000091	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999908	Status:	OK.
Std Error of Est:	0.002257		
Predicted MDL:	19.995974		
Predicted MQL:	66.653247		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.46057	.461	.000	-.00088	.001	1
CAL2	5000.0	4726.0	-274.	-5.48	.42781	.002	1
CAL3	25000.	23849.	-1150.	-4.60	2.1633	.007	1
CAL4	125000.	125750.	754.	.603	11.411	.051	1
CAL5	250000.	250670.	671.	.268	22.746	.081	1

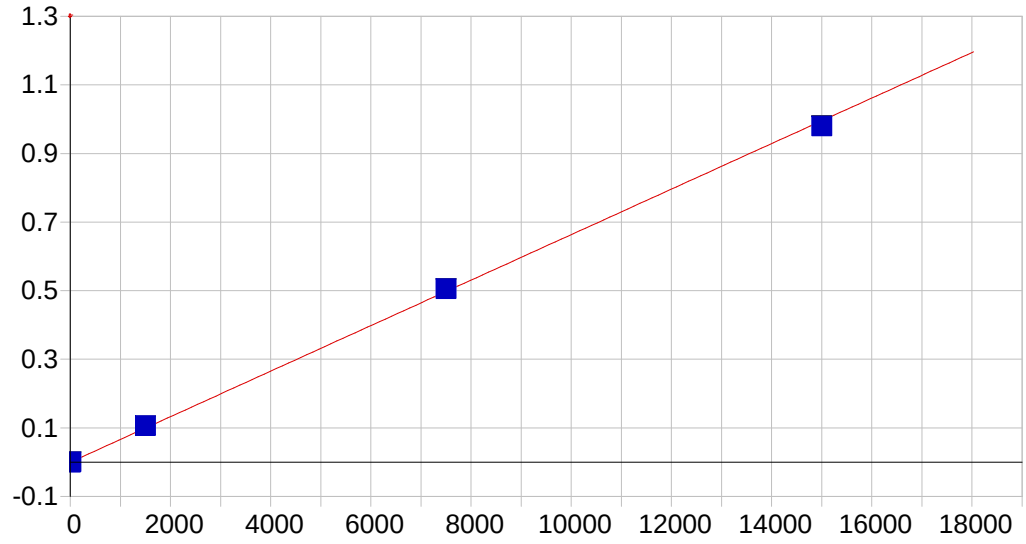


Ni 231.604 {446}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000147	Re-Slope:	1.000000
A1 (Gain):	0.000194	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999692	Status:	OK.
Std Error of Est:	0.000112		
Predicted MDL:	0.599388		
Predicted MQL:	1.997961		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00735	-.007	.000	-.00015	.000	1
CAL2	40.000	44.510	4.51	11.3	.00850	.000	1
CAL3	500.00	535.45	35.5	7.09	.10390	.000	1
CAL4	2500.0	2540.1	40.1	1.60	.49343	.000	1
CAL5	5000.0	4919.9	-80.1	-1.60	.95585	.001	1



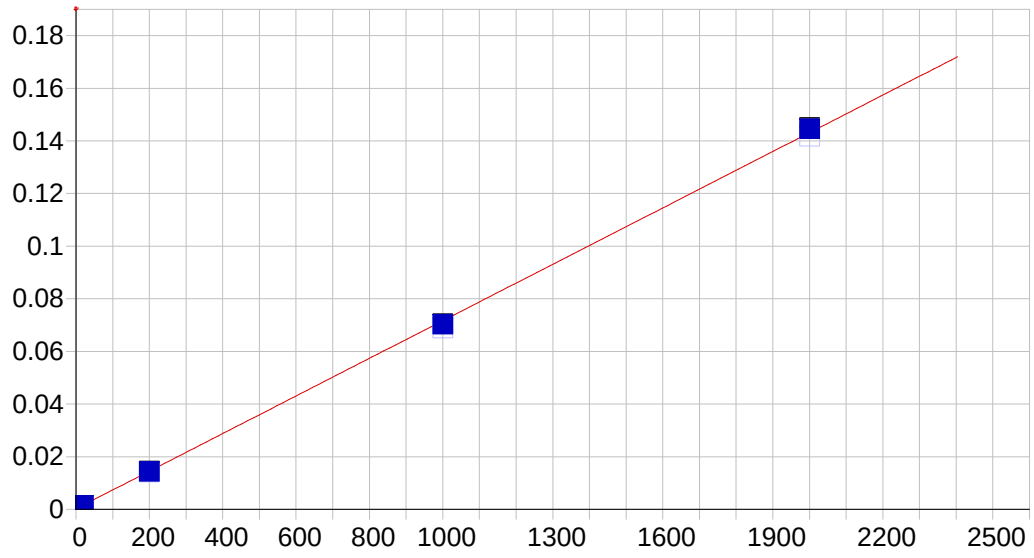
Pb 220.353 {453}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000132	Re-Slope:	1.000000

A1 (Gain):	0.000066	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999698	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	1.873691		
Predicted MQL:	6.245636		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00405	-.004	.000	-.00013	.000	1
CAL2	10.000	14.044	4.04	40.4	.00080	.000	1
CAL3	1500.0	1602.1	102.	6.80	.10610	.000	1
CAL4	7500.0	7619.0	119.	1.59	.50507	.000	1
CAL5	15000.	14773.	-227.	-1.51	.97944	.001	1
CAL1	5.0000	6.6797	1.68	33.6	.00031	.000	1

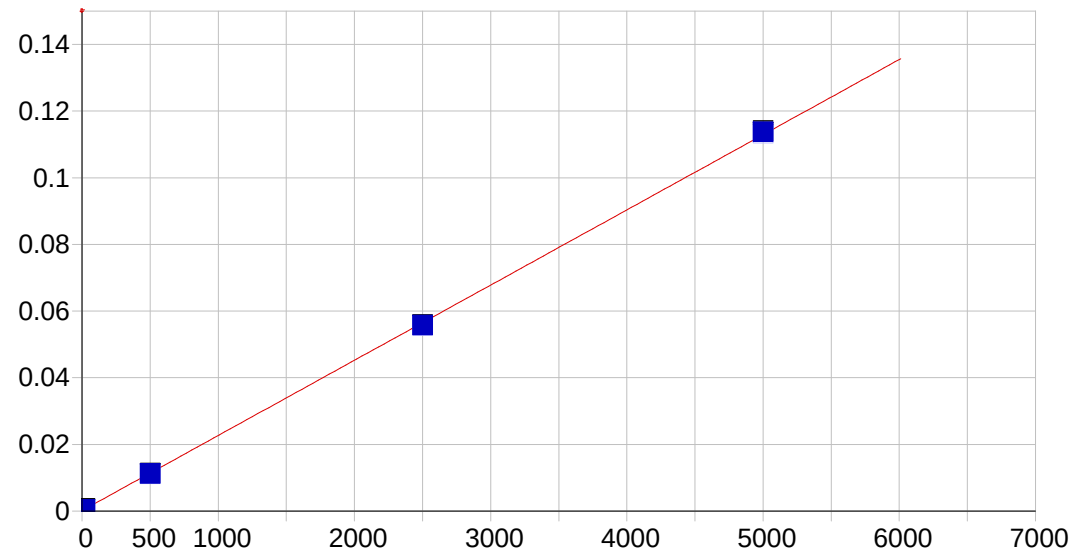


Sb 206.833 {463}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000200	Re-Slope:	1.000000
A1 (Gain):	0.000071	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999888	Status:	OK.
Std Error of Est:	0.000007		
Predicted MDL:	1.572565		
Predicted MQL:	5.241885		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00134	.001	.000	.00020	.000	1
CAL2	20.000	19.082	-.918	-4.59	.00146	.000	1
CAL3	200.00	198.47	-1.53	-.767	.01408	.000	1
CAL4	1000.0	981.36	-18.6	-1.86	.06883	.000	1
CAL5	2000.0	2021.8	21.8	1.09	.14168	.000	1
CAL1	10.000	9.2701	-.730	-7.30	.00086	.000	1

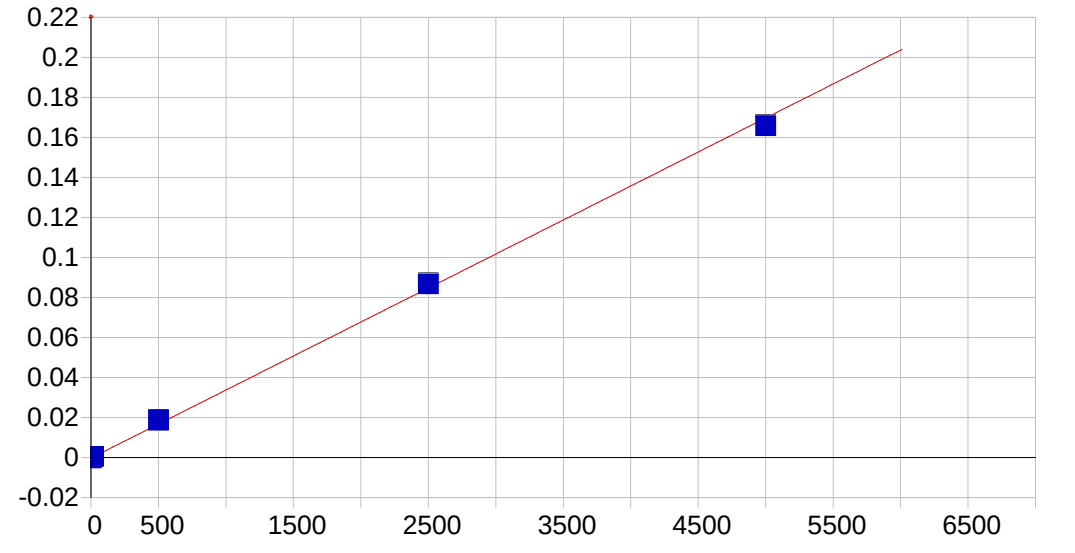


Se 196.090 {472}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000130	Re-Slope:	1.000000
A1 (Gain):	0.000023	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999905	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	3.710821		
Predicted MQL:	12.369405		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00192	-.002	.000	.00013	.000	1
CAL2	20.000	21.089	1.09	5.45	.00061	.000	1
CAL3	500.00	491.99	-8.01	-1.60	.01119	.000	1
CAL4	2500.0	2467.4	-32.6	-1.30	.05558	.000	1
CAL5	5000.0	5037.7	37.7	.754	.11334	.000	1
CAL1	5.0000	6.7565	1.76	35.1	.00028	.000	1

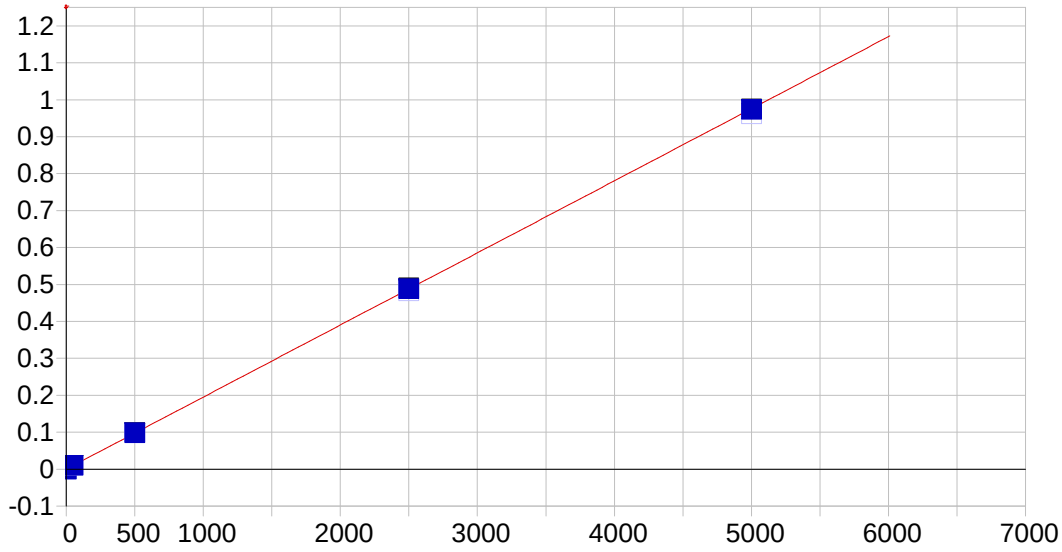


Tl 190.856 {477}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000264	Re-Slope:	1.000000
A1 (Gain):	0.000034	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999379	Status:	OK.
Std Error of Est:	0.000013		
Predicted MDL:	2.755695		
Predicted MQL:	9.185648		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00363	-.004	.000	-.00026	.000	1
CAL2	20.000	23.040	3.04	15.2	.00052	.000	1
CAL3	500.00	551.70	51.7	10.3	.01854	.000	1
CAL4	2500.0	2560.1	60.1	2.40	.08703	.000	1
CAL5	5000.0	4884.1	-116.	-2.32	.16630	.000	1
CAL1	10.000	11.071	1.07	10.7	.00011	.000	1

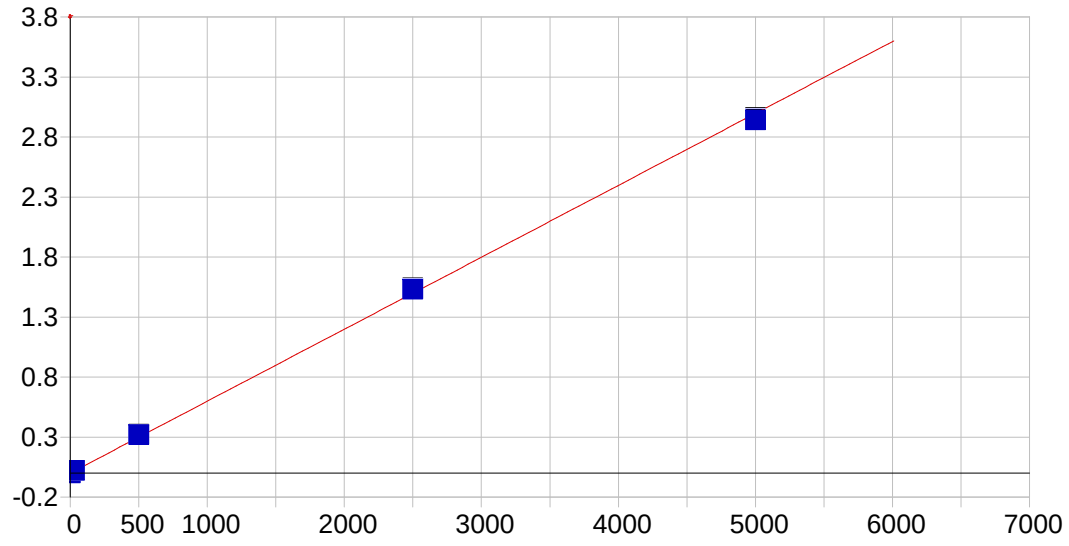


V 292.402 {115}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000094	Re-Slope:	1.000000
A1 (Gain):	0.000195	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999993	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	0.495849		
Predicted MQL:	1.652830		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00202	-.002	.000	-.00009	.000	1
CAL2	50.000	51.582	1.58	3.16	.00993	.000	1
CAL3	500.00	504.59	4.59	.917	.09715	.000	1
CAL4	2500.0	2503.6	3.62	.145	.48236	.002	1
CAL5	5000.0	4990.2	-9.80	-.196	.96149	.001	1

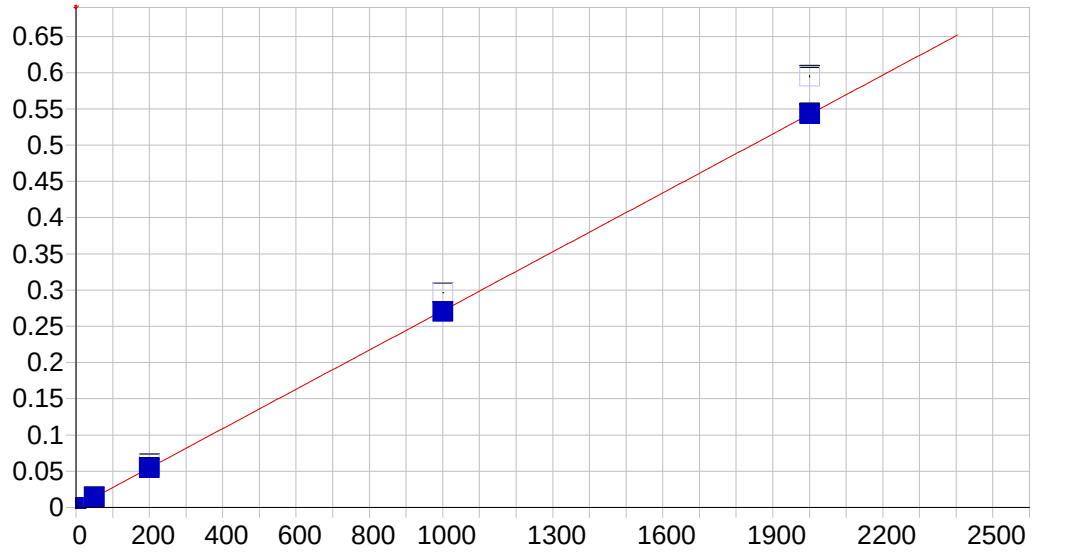


Zn 206.200 {463}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000089	Re-Slope:	1.000000
A1 (Gain):	0.000599	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999643	Status:	OK.
Std Error of Est:	0.000322		
Predicted MDL:	0.199918		
Predicted MQL:	0.666393		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00660	-.007	.000	-.00009	.000	1
CAL2	30.000	34.536	4.54	15.1	.02060	.000	1
CAL3	500.00	532.45	32.4	6.49	.32028	.002	1
CAL4	2500.0	2556.0	56.0	2.24	1.5381	.002	1
CAL5	5000.0	4907.0	-93.0	-1.86	2.9534	.007	1



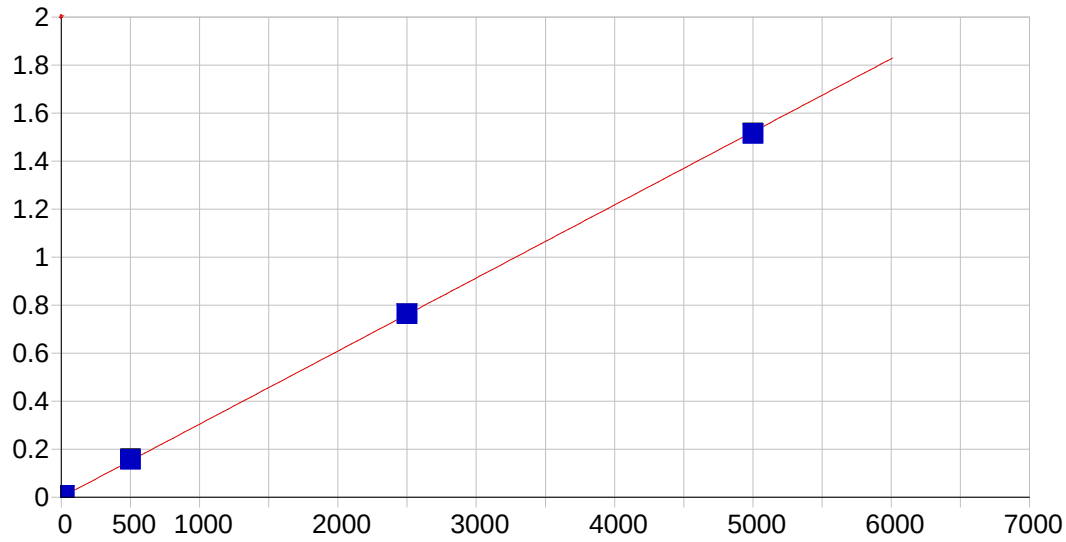
B 208.959 {461}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000433	Re-Slope:	1.000000

A1 (Gain):	0.000271	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000011		
Predicted MDL:	0.468037		
Predicted MQL:	1.560122		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00021	-.000	.000	.00043	.000	1
CAL2	50.000	50.113	.113	.227	.01422	.000	1
CAL3	200.00	200.85	.849	.425	.06005	.000	1
CAL4	1000.0	996.37	-3.63	-.363	.29637	.000	1
CAL5	2000.0	2002.7	2.67	.134	.59500	.001	1

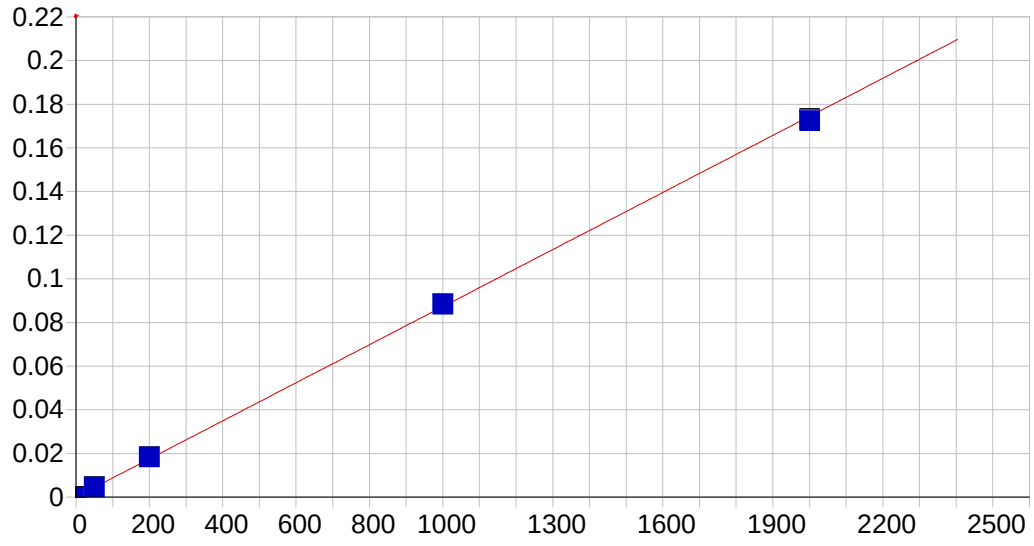


Mo 202.030 {467}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000196	Re-Slope:	1.000000
A1 (Gain):	0.000304	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999958	Status:	OK.
Std Error of Est:	0.000045		
Predicted MDL:	0.319425		
Predicted MQL:	1.064750		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00031	-.000	.000	.00020	.000	1
CAL2	20.000	19.697	-.303	-1.52	.00619	.000	1
CAL3	500.00	516.00	16.0	3.20	.15719	.001	1
CAL4	2500.0	2508.9	8.95	.358	.76356	.000	1
CAL5	5000.0	4975.4	-24.6	-.493	1.5140	.002	1

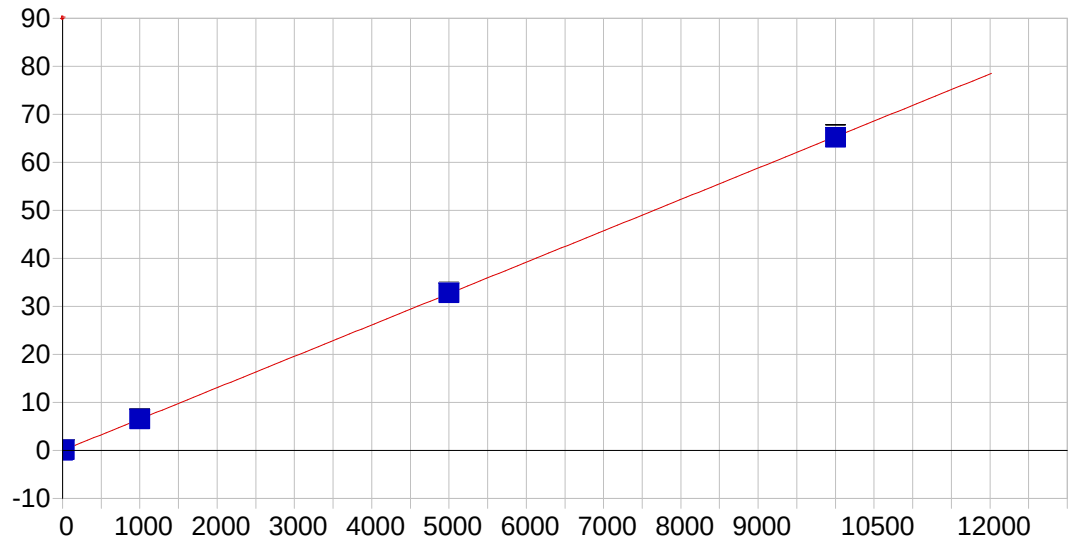


Sn 189.989 {477}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000070	Re-Slope:	1.000000
A1 (Gain):	0.000087	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999876	Status:	OK.
Std Error of Est:	0.000023		
Predicted MDL:	0.936389		
Predicted MQL:	3.121297		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00374	-.004	.000	.00007	.000	1
CAL2	50.000	51.531	1.53	3.06	.00456	.000	1
CAL3	200.00	208.68	8.68	4.34	.01829	.000	1
CAL4	1000.0	1011.8	11.8	1.18	.08840	.000	1
CAL5	2000.0	1978.0	-22.0	-1.10	.17276	.001	1



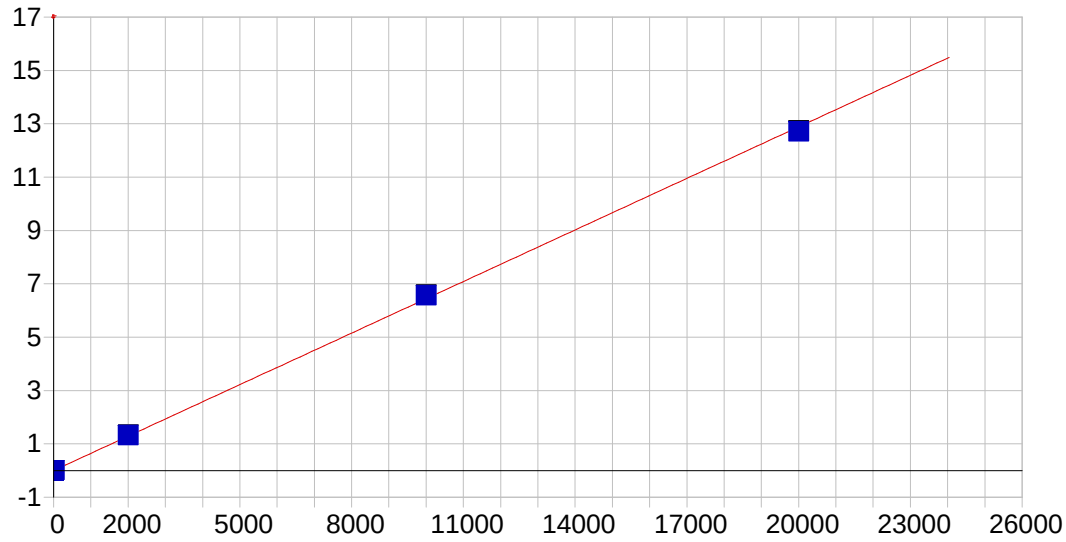
Sr 407.771 { 83}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001593	Re-Slope:	1.000000

A1 (Gain):	0.006534		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999994		Status:	OK.	
Std Error of Est:	0.000505				
Predicted MDL:	0.105974				
Predicted MQL:	0.353248				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00072	-.001	.000	-.00160	.000	1
CAL2	20.000	20.709	.709	3.55	.13391	.001	1
CAL3	1000.0	998.42	-1.58	-.158	6.5255	.022	1
CAL4	5000.0	5022.8	22.8	.456	32.834	.096	1
CAL5	10000.	9978.1	-21.9	-.219	65.229	.561	1

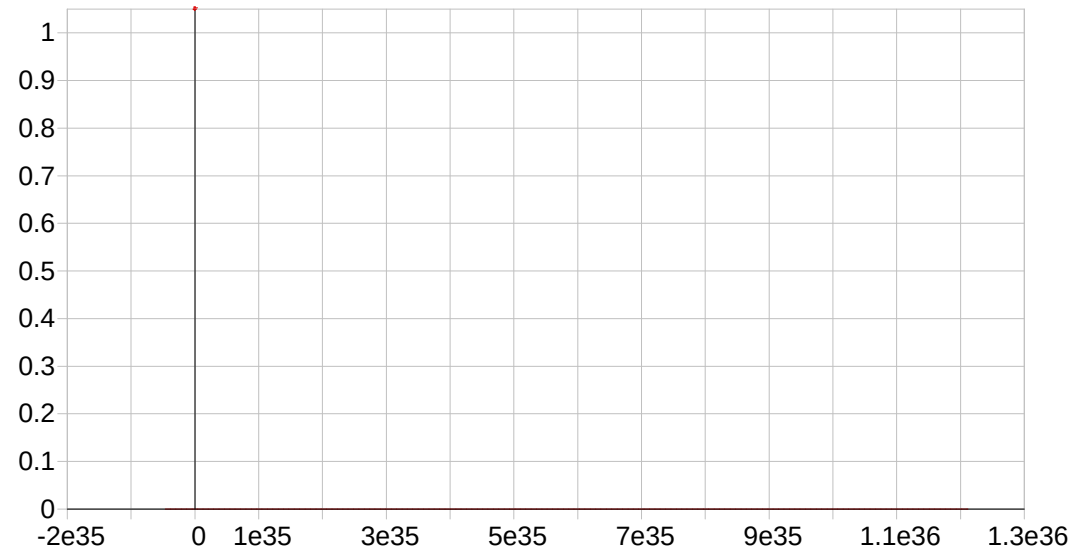


Ti 334.941 {101}

Date of Fit:	8/23/2016 10:15:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000035	Re-Slope:	1.000000
A1 (Gain):	0.000644	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999855	Status:	OK.
Std Error of Est:	0.000358		
Predicted MDL:	0.167097		
Predicted MQL:	0.556990		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00249	-.002	.000	.00003	.000	1
CAL2	20.000	21.718	1.72	8.59	.01403	.000	1
CAL3	2000.0	2064.6	64.6	3.23	1.3303	.001	1
CAL4	10000.	10192.	192.	1.92	6.5674	.012	1
CAL5	20000.	19741.	-259.	-1.29	12.720	.024	1

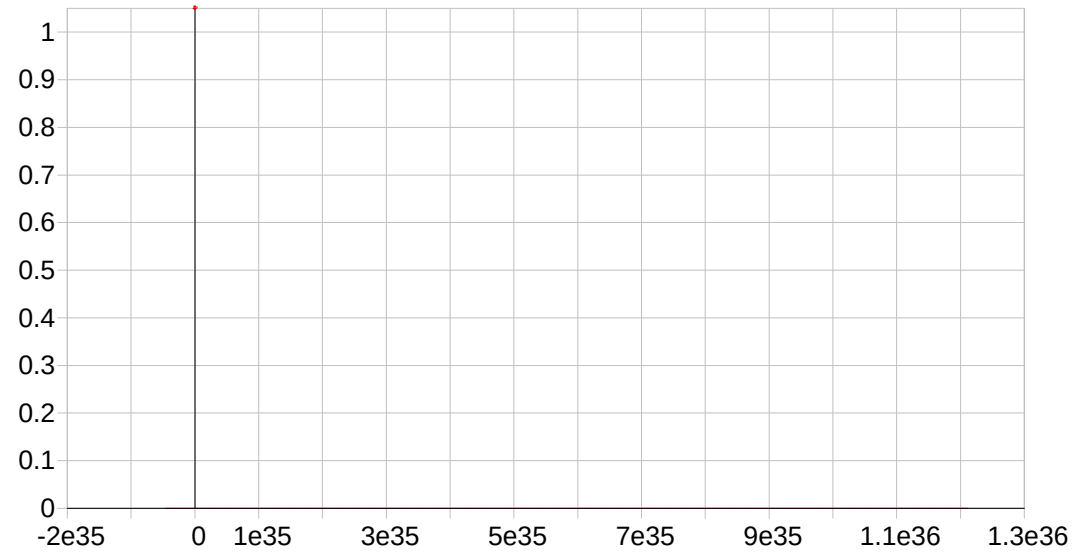


Y 224.306 {450}*

Date of Fit:	8/23/2016 9:51:14	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	183.492520		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

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



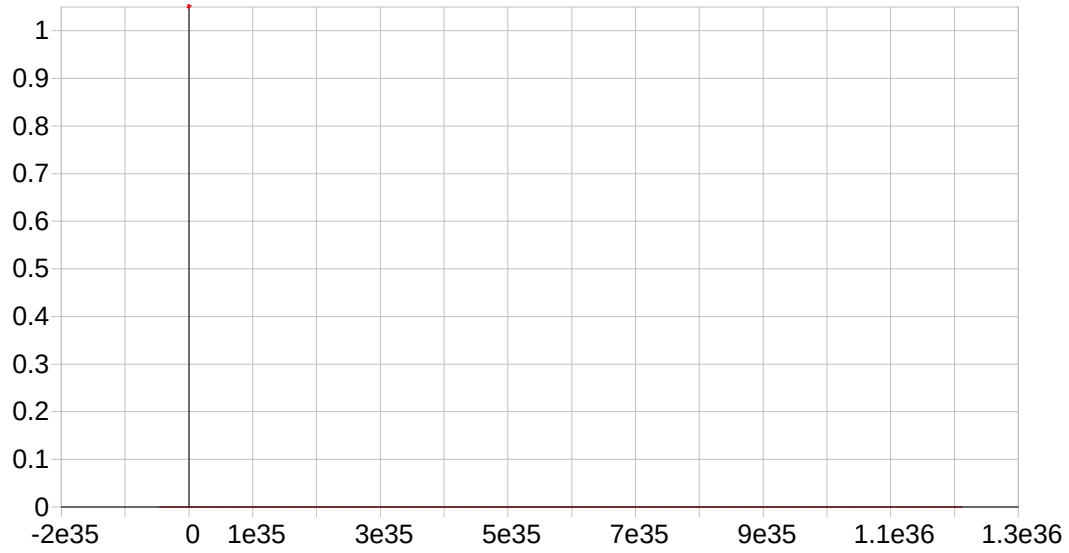
Y 360.073 { 94}*

Date of Fit:	8/23/2016 9:51:14	Type of Fit:	Linear	Weighting:	1/Conc

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

Predicted MDL: n/a
Predicted MQL: n/a

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

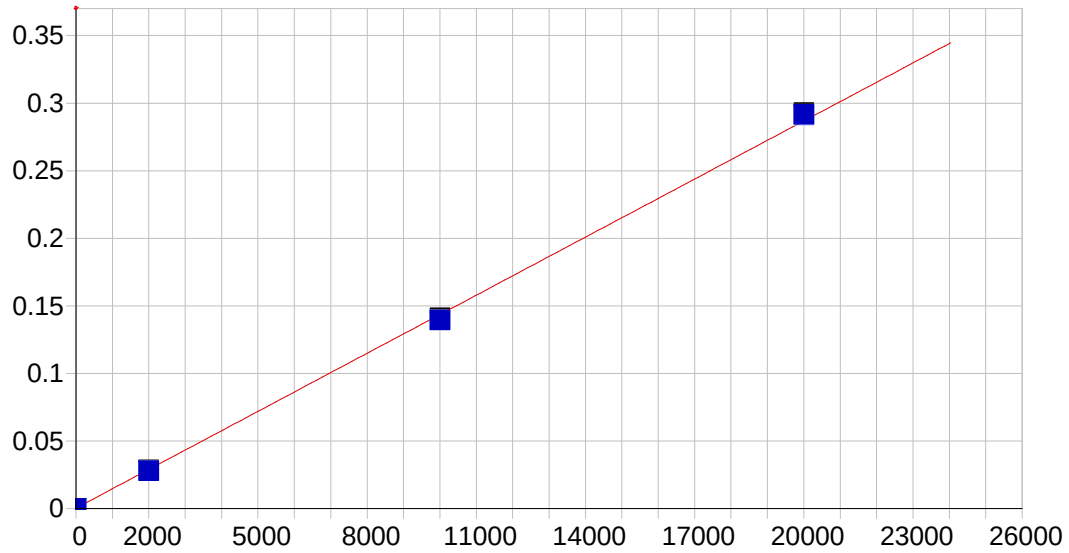


Y 371.030 { 91}*

Date of Fit: 8/23/2016 9:51:14 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.000000 Status: Warning Zero Gain
Std Error of Est: 192.759705
Predicted MDL: n/a
Predicted MQL: n/a

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



Si 288.158 {117}

Date of Fit: 8/23/2016 10:15:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000289		Re-Slope:	1.000000		
A1 (Gain):	0.000014		Y-int:	0.000000		
A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.999754		Status:	OK.		
Std Error of Est:	0.000113					
Predicted MDL:	19.499176					
Predicted MQL:	64.997255					

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.08597	.086	.000	.00029	.000	1
CAL5	20000.	20342.	342.	1.71	.29089	.001	1
CAL3	2000.0	1935.3	-64.7	-3.24	.02793	.000	1
CAL4	10000.	9722.6	-277.	-2.77	.13917	.001	1

Sample Name: ICIS Cal Blk Acquired: 8/23/2016 9:51:58 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**.0000**	**-.0009**	**.0001**	**.0006**	**-.0035**
Stddev	.0005	.0000	.0001	.0000	.0002	.0001
%RSD	153.6	84.77	11.98	46.66	29.93	3.181
#1	-.0008	.0001	-.0009	.0001	.0007	-.0036
#2	.0001	.0001	-.0010	.0000	.0004	-.0034
#3	-.0002	.0000	-.0008	.0001	.0007	-.0034

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**-.0001**	**.0000**	**.0025**	**-.0001**	**.0014**
Stddev	.0001	.0001	.0001	.0000	.0000	.0009
%RSD	24.95	149.6	251.8	.1846	40.05	65.16
#1	-.0003	-.0001	-.0001	.0025	-.0000	.0013
#2	-.0002	-.0002	.0000	.0025	-.0000	.0006
#3	-.0004	.0001	.0001	.0025	-.0001	.0024

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**.0001**	**-.0009**	**-.0001**	**-.0001**	**.0002**
Stddev	.0000	.0000	.0005	.0001	.0000	.0001
%RSD	182.3	37.76	57.27	46.76	35.26	34.86
#1	.0000	.0001	-.0014	-.0001	-.0002	.0003
#2	-.0000	.0000	-.0008	-.0002	-.0001	.0001
#3	-.0000	.0001	-.0004	-.0001	-.0001	.0002

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0003**	**-.0001**	**-.0001**	**.0004**	**.0002**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001
%RSD	48.02	18.83	59.15	20.41	16.04	38.92
#1	.0002	-.0002	-.0001	-.0001	.0005	.0003
#2	.0001	-.0003	-.0000	-.0001	.0004	.0002
#3	.0002	-.0003	-.0001	-.0001	.0004	.0001

Sample Name: ICIS Cal Blk Acquired: 8/23/2016 9:51:58 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0016**	**.0000**	**.0003**
Stddev	.0000	.0001	.0001	.0000
%RSD	58.90	7.937	247.9	14.07
#1	.0000	-.0017	.0001	.0003
#2	.0001	-.0016	.0001	.0003
#3	.0001	-.0015	-.0001	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5286.2**	**30226.**	**4544.3**
Stddev	25.7	478.	64.8
%RSD	.48546	1.5804	1.4256
#1	5256.6	29947.	4511.0
#2	5299.1	29954.	4503.0
#3	5302.9	30778.	4619.0

Sample Name: CAL1 Acquired: 8/23/2016 9:55:59 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0003**	**.0009**	**.0003**	**.0001**
Stddev	.0001	.0001	.0000	.0000	.0001
%RSD	74.16	21.90	3.124	2.286	126.5
#1	.0002	.0002	.0009	.0003	-.0000
#2	.0002	.0003	.0009	.0003	.0002
#3	.0000	.0004	.0008	.0003	.0001

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	**5293.1**
Stddev	19.3
%RSD	.36437
#1	5272.9
#2	5295.1
#3	5311.4

Sample Name: CAL2 Acquired: 8/23/2016 10:00:00 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0092**	**.0006**	**.0010**	**.1021**	**.0043**	**.0867**
Stddev	.0002	.0000	.0001	.0001	.0003	.0004
%RSD	2.040	5.974	8.430	.1112	7.528	.4576
#1	.0091	.0006	.0011	.1022	.0040	.0869
#2	.0094	.0006	.0010	.1020	.0045	.0863
#3	.0091	.0007	.0009	.1023	.0045	.0870

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0038**	**.0352**	**.0011**	**.0096**	**.0015**	**.1420**
Stddev	.0001	.0002	.0000	.0001	.0000	.0012
%RSD	2.059	.5386	.5450	1.020	.7823	.8645
#1	.0037	.0354	.0011	.0097	.0015	.1409
#2	.0037	.0351	.0011	.0095	.0015	.1418
#3	.0039	.0352	.0011	.0095	.0015	.1433

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0521**	**.0138**	**.4278**	**.0085**	**.0008**	**.0015**
Stddev	.0003	.0000	.0020	.0001	.0000	.0000
%RSD	.5822	.3234	.4684	1.166	6.160	1.793
#1	.0522	.0138	.4257	.0086	.0008	.0015
#2	.0517	.0137	.4297	.0084	.0007	.0014
#3	.0523	.0137	.4281	.0085	.0008	.0015

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0006**	**.0005**	**.0099**	**.0206**	**.0142**	**.0062**
Stddev	.0000	.0001	.0001	.0000	.0001	.0001
%RSD	3.355	11.48	.9434	.0624	.8408	1.413
#1	.0006	.0005	.0098	.0206	.0142	.0063
#2	.0006	.0006	.0099	.0206	.0143	.0061
#3	.0006	.0005	.0100	.0206	.0141	.0062

Sample Name: CAL2 Acquired: 8/23/2016 10:00:00 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	**.0046**	**.1339**	**.0140**
Stddev	.0001	.0009	.0000
%RSD	2.214	.6411	.1610
#1	.0045	.1333	.0141
#2	.0045	.1335	.0140
#3	.0047	.1349	.0140

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5325.9**	**30531.**	**4676.2**
Stddev	9.0	109.	33.0
%RSD	.16980	.35680	.70515
#1	5327.2	30591.	4712.6
#2	5334.3	30597.	4667.4
#3	5316.3	30405.	4648.4

Sample Name: CAL3 Acquired: 8/23/2016 10:04:00 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.093**	**.0219**	**.0470**	**.9912**	**.3903**	**.4355**
Stddev	.003	.0000	.0001	.0016	.0011	.0002
%RSD	.3108	.1803	.1842	.1642	.2875	.0539
#1	1.090	.0219	.0471	.9894	.3890	.4357
#2	1.096	.0219	.0469	.9925	.3910	.4353
#3	1.092	.0219	.0471	.9917	.3909	.4355

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2556**	**.3481**	**.1064**	**.7014**	**.1722**	**.2807**
Stddev	.0004	.0009	.0001	.0014	.0001	.0008
%RSD	.1461	.2632	.1210	.2012	.0573	.3000
#1	.2553	.3470	.1063	.7025	.1723	.2800
#2	.2556	.3485	.1064	.6998	.1723	.2817
#3	.2561	.3487	.1066	.7019	.1721	.2805

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2562**	**.8702**	**2.163**	**.1039**	**.1061**	**.0141**
Stddev	.0002	.0006	.007	.0003	.0004	.0001
%RSD	.0918	.0651	.3264	.3149	.4125	.9871
#1	.2564	.8709	2.157	.1036	.1057	.0140
#2	.2561	.8699	2.171	.1039	.1066	.0140
#3	.2560	.8698	2.162	.1042	.1061	.0142

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0112**	**.0185**	**.0972**	**.3203**	**.0600**	**.1572**
Stddev	.0001	.0002	.0004	.0024	.0005	.0013
%RSD	1.113	1.336	.4431	.7615	.7930	.8156
#1	.0112	.0183	.0976	.3186	.0598	.1560
#2	.0111	.0186	.0972	.3192	.0597	.1571
#3	.0113	.0188	.0967	.3231	.0606	.1585

Sample Name: CAL3 Acquired: 8/23/2016 10:04:00 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0183**	**6.525**	**1.330**	**.0279**
Stddev	.0001	.022	.001	.0003
%RSD	.7438	.3334	.0895	1.072
#1	.0182	6.506	1.332	.0276
#2	.0183	6.549	1.330	.0279
#3	.0184	6.521	1.330	.0282

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5265.4**	**29988.**	**4626.6**
Stddev	10.7	20.	20.0
%RSD	.20310	.06677	.43182
#1	5277.6	29972.	4637.5
#2	5261.0	30010.	4603.6
#3	5257.6	29981.	4638.8

Sample Name: CAL4 Acquired: 8/23/2016 10:07:42 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.510**	**.1107**	**.2461**	**4.761**	**1.924**	**2.221**
Stddev	.006	.0007	.0009	.003	.005	.026
%RSD	.1149	.6586	.3535	.0712	.2499	1.191
#1	5.514	.1110	.2463	4.758	1.930	2.199
#2	5.514	.1113	.2451	4.760	1.923	2.213
#3	5.503	.1099	.2468	4.764	1.920	2.250

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.226**	**1.662**	**.5206**	**3.597**	**.8340**	**1.466**
Stddev	.001	.002	.0035	.020	.0070	.005
%RSD	.0950	.1163	.6793	.5622	.8361	.3438
#1	1.224	1.661	.5177	3.620	.8281	1.460
#2	1.226	1.664	.5195	3.587	.8322	1.468
#3	1.226	1.661	.5245	3.584	.8417	1.469

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.284**	**4.247**	**11.41**	**.4934**	**.5051**	**.0688**
Stddev	.009	.026	.05	.0003	.0002	.0001
%RSD	.7410	.6220	.4448	.0701	.0431	.1747
#1	1.278	4.228	11.46	.4938	.5048	.0687
#2	1.280	4.236	11.41	.4931	.5052	.0688
#3	1.295	4.277	11.36	.4934	.5052	.0690

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0556**	**.0870**	**.4824**	**1.538**	**.2964**	**.7636**
Stddev	.0001	.0002	.0019	.002	.0001	.0001
%RSD	.1915	.2244	.3923	.1500	.0248	.0096
#1	.0555	.0871	.4807	1.536	.2964	.7635
#2	.0557	.0872	.4820	1.538	.2965	.7636
#3	.0555	.0868	.4844	1.541	.2963	.7636

Sample Name: CAL4 Acquired: 8/23/2016 10:07:42 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0884**	**32.83**	**6.567**	**.1392**
Stddev	.0002	.10	.012	.0014
%RSD	.2077	.2935	.1813	1.002
#1	.0886	32.79	6.558	.1407
#2	.0883	32.94	6.564	.1387
#3	.0883	32.77	6.581	.1381

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5041.6**	**28456.**	**4470.2**
Stddev	48.3	222.	34.1
%RSD	.95831	.77895	.76176
#1	4985.8	28244.	4441.8
#2	5067.2	28686.	4507.9
#3	5071.6	28436.	4460.8

Sample Name: CAL5 Acquired: 8/23/2016 10:11:18 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.10**	**.2269**	**.5067**	**9.223**	**3.789**	**4.377**
Stddev	.02	.0001	.0008	.005	.001	.016
%RSD	.2147	.0626	.1520	.0567	.0255	.3619
#1	11.07	.2269	.5061	9.219	3.788	4.359
#2	11.11	.2271	.5066	9.222	3.790	4.389
#3	11.11	.2268	.5076	9.229	3.790	4.384

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.386**	**3.270**	**1.013**	**7.359**	**1.613**	**3.058**
Stddev	.002	.001	.003	.015	.004	.005
%RSD	.0994	.0420	.2714	.1973	.2271	.1795
#1	2.384	3.268	1.010	7.369	1.608	3.053
#2	2.388	3.270	1.015	7.342	1.615	3.057
#3	2.386	3.271	1.014	7.365	1.614	3.064

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.538**	**8.183**	**22.75**	**.9559**	**.9794**	**.1417**
Stddev	.008	.021	.08	.0013	.0014	.0003
%RSD	.3104	.2500	.3578	.1338	.1397	.1830
#1	2.529	8.159	22.83	.9545	.9779	.1416
#2	2.543	8.194	22.73	.9571	.9801	.1420
#3	2.541	8.195	22.67	.9560	.9803	.1415

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1133**	**.1663**	**.9615**	**2.953**	**.5950**	**1.514**
Stddev	.0003	.0001	.0011	.007	.0012	.002
%RSD	.2632	.0710	.1125	.2263	.2092	.1097
#1	.1137	.1662	.9603	2.946	.5943	1.513
#2	.1132	.1664	.9620	2.958	.5943	1.513
#3	.1131	.1663	.9622	2.956	.5964	1.516

Sample Name: CAL5 Acquired: 8/23/2016 10:11:18 Type: Cal
Method: BC08232016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1728**	**65.23**	**12.72**	**.2909**
Stddev	.0006	.56	.02	.0010
%RSD	.3332	.8606	.1867	.3569
#1	.1723	65.72	12.74	.2898
#2	.1734	64.62	12.73	.2911
#3	.1725	65.35	12.69	.2918

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4783.9**	**27367.**	**4470.7**
Stddev	3.0	24.	7.2
%RSD	.06339	.08795	.16021
#1	4785.1	27389.	4462.6
#2	4780.5	27341.	4473.3
#3	4786.2	27370.	4476.2

Sample Name: ICV Acquired: 8/23/2016 10:15:09 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123200.**	**2468.**	**1218.**	**10100.**	**1004.**	**122900.**
Stddev	369.	5.	6.	9.	2.	769.
%RSD	.2993	.1977	.4548	.0882	.1984	.6253
#1	123500.	2463.	1213.	10110.	1006.	122000.
#2	122800.	2467.	1224.	10090.	1002.	123400.
#3	123300.	2473.	1217.	10100.	1003.	123300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1253.**	**2483.**	**4996.**	**12260.**	**99960.**	**48250.**
Stddev	1.	4.	30.	6.	333.	219.
%RSD	.0608	.1621	.6067	.0510	.3333	.4535
#1	1252.	2480.	4963.	12260.	99580.	48460.
#2	1254.	2482.	5021.	12250.	100100.	48020.
#3	1253.	2488.	5005.	12260.	100200.	48280.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123400.**	**5064.**	**123000.**	**2519.**	**7522.**	**980.6**
Stddev	456.	17.	557.	5.	4.	6.0
%RSD	.3697	.3378	.4529	.1987	.0518	.6163
#1	122900.	5045.	123500.	2523.	7526.	983.8
#2	123700.	5077.	122400.	2521.	7523.	973.7
#3	123500.	5070.	122900.	2513.	7518.	984.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 8/23/2016 10:15:09 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2451.**	**2515.**	**2470.**	**2514.**	**997.0**	**2453.**
Stddev	13.	10.	7.	5.	4.5	3.
%RSD	.5408	.3888	.2898	.2153	.4481	.1036
#1	2451.	2515.	2462.	2515.	999.6	2455.
#2	2438.	2506.	2473.	2519.	991.9	2451.
#3	2464.	2526.	2475.	2508.	999.6	2454.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**991.3**	**5038.**	**10090.**	**9687.**
Stddev	1.6	9.	15.	68.
%RSD	.1590	.1825	.1474	.7036
#1	992.0	5048.	10070.	9609.
#2	992.5	5037.	10090.	9713.
#3	989.5	5030.	10100.	9738.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5060.0**	**28876.**	**4549.3**
Stddev	14.7	72.	42.8
%RSD	.28988	.25011	.94031
#1	5065.6	28959.	4514.6
#2	5071.0	28830.	4597.1
#3	5043.3	28839.	4536.3

Sample Name: ICB Acquired: 8/23/2016 10:18:44 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.346**	**-1.687**	**.3512**	**-.0642**	**.0409**	**-13.67**
Stddev	8.012	.742	.8311	.0347	.0857	31.18
%RSD	85.72	43.99	236.6	54.00	209.7	228.0
#1	12.86	-1.484	-.2068	-.0998	.1346	11.55
#2	15.00	-2.509	1.306	-.0305	-.0336	-48.53
#3	.1772	-1.067	-.0460	-.0625	.0216	-4.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0816**	**-.1272**	**.1723**	**1.002**	**-1.101**	**106.4**
Stddev	.0737	.2901	1.129	1.024	9.018	47.8
%RSD	90.27	228.0	655.4	102.2	819.1	44.93
#1	-.1662	.2057	-.3980	.4325	1.681	125.5
#2	-.0315	-.3259	1.473	2.185	-11.18	141.8
#3	-.0471	-.2615	-.5581	.3887	6.199	52.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.463**	**.0148**	**56.15**	**.2509**	**.8024**	**-.7921**
Stddev	2.722	.0417	21.03	.2751	1.900	.5480
%RSD	186.1	280.9	37.45	109.7	236.8	69.18
#1	-2.199	.0347	78.17	.0076	2.648	-.5190
#2	-3.741	.0428	54.02	.5494	.9082	-1.423
#3	1.552	-.0331	36.27	.1957	-1.149	-.4343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 8/23/2016 10:18:44 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.060**	**-1.561**	**.1449**	**.1493**	**4.219**	**.7203**
Stddev	4.480	.886	.7326	.0917	.933	.6979
%RSD	217.5	56.77	505.5	61.42	22.12	96.89
#1	-2.338	-.7457	-.3561	.0465	5.227	1.489
#2	1.901	-1.433	-.1949	.1788	4.046	.5462
#3	6.617	-2.504	.9857	.2226	3.385	.1259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0667**	**.1094**	**.2077**	**2.448**
Stddev	.2293	.0452	.1237	6.797
%RSD	343.6	41.27	59.56	277.7
#1	.0527	.1198	.3269	-2.388
#2	.3028	.0600	.2162	-.4894
#3	-.1553	.1485	.0800	10.22
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5376.4**	**29003.**	**4678.1**
Stddev	7.8	3640.	20.9
%RSD	.14415	12.551	.44749
#1	5367.6	31195.	4702.2
#2	5382.3	24801.	4664.9
#3	5379.3	31014.	4667.2

Sample Name: ICVL Acquired: 8/23/2016 10:22:45 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.9**	**13.01**	**8.748**	**206.3**	**1.855**	**4878.**
Stddev	1.4	.36	.300	.8	.149	113.
%RSD	.6698	2.786	3.434	.3816	8.052	2.313
#1	203.1	12.77	8.748	205.6	1.739	4841.
#2	200.5	13.43	9.049	206.1	2.024	4788.
#3	202.2	12.84	8.448	207.1	1.802	5005.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.060**	**51.09**	**10.64**	**23.42**	**174.7**	**4415.**
Stddev	.035	.19	.39	.71	5.5	7.
%RSD	.8652	.3668	3.651	3.024	3.151	.1516
#1	4.100	50.88	10.22	22.74	180.7	4407.
#2	4.032	51.13	10.73	24.15	169.8	4419.
#3	4.050	51.25	10.98	23.36	173.5	4418.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4891.**	**15.87**	**4463.**	**42.48**	**12.75**	**20.41**
Stddev	95.	.27	13.	.25	.97	1.01
%RSD	1.933	1.683	.2905	.5786	7.617	4.927
#1	4833.	15.77	4453.	42.40	13.27	21.05
#2	4840.	15.67	4478.	42.29	13.34	20.92
#3	5000.	16.17	4459.	42.76	11.63	19.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL Acquired: 8/23/2016 10:22:45 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.38**	**19.54**	**49.16**	**33.02**	**50.14**	**19.38**
Stddev	.53	1.03	.51	.31	.25	.15
%RSD	2.594	5.271	1.043	.9511	.5022	.7966
#1	20.61	18.77	49.12	32.69	50.37	19.46
#2	20.74	19.14	48.68	33.32	50.19	19.47
#3	19.77	20.71	49.70	33.05	49.87	19.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**49.22**	**19.63**	**20.77**	F **16.33**
Stddev	.64	.12	.10	4.66
%RSD	1.308	.6070	.4934	28.55
#1	49.51	19.53	20.65	11.47
#2	49.67	19.59	20.81	16.77
#3	48.49	19.76	20.84	20.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5309.7**	**30417.**	**4638.0**
Stddev	11.4	114.	97.5
%RSD	.21550	.37330	2.1031
#1	5316.6	30359.	4567.7
#2	5296.5	30548.	4596.9
#3	5316.1	30345.	4749.3

Sample Name: ICSA 4305572 Acquired: 8/23/2016 10:26:44 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**503200.**	**-7.824**	**-.0053**	**2.074**	**-.1202**	**496100.**
Stddev	5286.	1.632	.5950	.131	.1967	4556.
%RSD	1.051	20.86	11290.	6.325	163.6	.9184
#1	497300.	-9.552	.1232	2.175	-.1109	491000.
#2	504900.	-6.309	.5150	2.123	.0717	499900.
#3	507500.	-7.612	-.6540	1.926	-.3213	497300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.939**	**.6280**	**-.4118**	**-2.556**	**192200.**	**32.20**
Stddev	.288	.1730	.9362	.440	1439.	32.50
%RSD	9.795	27.54	227.3	17.22	.7490	100.9
#1	3.258	.8186	.4082	-2.734	190600.	11.49
#2	2.700	.5843	-.2119	-2.880	193300.	15.45
#3	2.858	.4810	-1.432	-2.055	192600.	69.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**497200.**	**2.195**	**36.96**	**.2841**	**1.051**	**-9.788**
Stddev	4420.	.179	9.67	1.068	3.606	2.051
%RSD	.8889	8.139	26.15	375.8	343.0	20.96
#1	492200.	1.989	39.26	1.178	4.456	-11.25
#2	500800.	2.298	26.35	.5723	-2.727	-7.443
#3	498600.	2.299	45.27	-.8981	1.425	-10.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4305572 Acquired: 8/23/2016 10:26:44 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.380**	**-6.247**	**-3.686**	**-1.669**	**-2.951**	**-.5587**
Stddev	5.948	5.697	.299	.598	1.140	.3441
%RSD	135.8	91.20	8.113	35.85	38.61	61.58
#1	.9424	-10.98	-4.028	-1.595	-2.121	-.4403
#2	-3.283	.0751	-3.471	-2.301	-2.483	-.2895
#3	-10.80	-7.832	-3.560	-1.111	-4.251	-.9464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5615**	**-.9284**	**2.604**	**61.91**
Stddev	1.736	.0988	.130	22.60
%RSD	309.3	10.64	4.982	36.50
#1	2.117	-1.006	2.465	68.38
#2	-1.312	-.8172	2.722	36.79
#3	.8787	-.9622	2.624	80.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4726.9**	**26930.**	**4455.9**
Stddev	6.6	125.	74.7
%RSD	.13995	.46317	1.6768
#1	4719.3	27060.	4536.9
#2	4730.7	26811.	4441.4
#3	4730.7	26918.	4389.6

Sample Name: ICSAB 4305680 Acquired: 8/23/2016 10:30:42 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**496600.**	**95.67**	**110.8**	**109.1**	**99.87**	**521100.**
Stddev	8185.	3.40	8.9	3.7	1.32	40400.
%RSD	1.648	3.556	8.028	3.420	1.324	7.753
#1	488400.	94.03	121.0	113.4	98.80	567700.
#2	504800.	93.39	106.2	106.9	101.3	496100.
#3	496400.	99.58	105.1	107.1	99.46	499400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**99.80**	**99.79**	**105.6**	**109.4**	**201300.**	**9663.**
Stddev	2.36	3.62	7.3	8.9	15650.	170.
%RSD	2.362	3.625	6.949	8.108	7.778	1.757
#1	102.5	104.0	113.9	119.6	219300.	9480.
#2	98.62	97.75	100.1	104.9	192100.	9815.
#3	98.27	97.65	102.7	103.6	192300.	9695.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**521500.**	**109.7**	**9617.**	**98.88**	**98.45**	**92.37**
Stddev	41150.	7.9	147.	4.36	5.76	7.79
%RSD	7.891	7.198	1.527	4.408	5.849	8.430
#1	569000.	118.8	9455.	103.9	105.0	101.3
#2	497700.	104.8	9741.	96.92	94.28	88.42
#3	497800.	105.5	9655.	95.85	96.05	87.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 4305680 Acquired: 8/23/2016 10:30:42 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**96.72**	**92.86**	**100.7**	**101.4**	**98.88**	**97.17**
Stddev	2.48	8.49	7.9	3.1	3.14	3.59
%RSD	2.563	9.145	7.829	3.047	3.179	3.689
#1	99.41	101.9	109.7	104.9	102.5	101.3
#2	96.20	91.63	95.71	99.54	97.47	95.18
#3	94.54	85.05	96.52	99.65	96.69	95.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**96.45**	**99.01**	**112.2**	**100.9**
Stddev	4.50	2.09	8.2	25.0
%RSD	4.669	2.115	7.271	24.79
#1	101.3	96.85	121.6	81.33
#2	95.75	101.0	107.4	92.30
#3	92.34	99.13	107.5	129.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4716.7**	**26191.**	**4482.6**
Stddev	152.3	1683.	83.9
%RSD	3.2295	6.4267	1.8707
#1	4543.4	24260.	4487.4
#2	4777.3	26961.	4396.4
#3	4829.4	27351.	4563.9

Sample Name: INT-10A 4360515 Acquired: 8/23/2016 10:34:33 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.02**	**-1.827**	**7.336**	**.5471**	**2.263**	**23.46**
Stddev	9.19	1.563	.282	.1021	.153	4.54
%RSD	39.92	85.56	3.839	18.65	6.743	19.36
#1	20.15	-.0486	7.652	.5268	2.088	25.23
#2	33.30	-2.983	7.245	.6578	2.368	26.84
#3	15.60	-2.448	7.112	.4568	2.334	18.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7822**	**11380.**	**.0505**	**-2.588**	F **311.0**	**-9.508**
Stddev	.1245	20.	.7230	.057	1.7	16.28
%RSD	15.92	.1790	1431.	2.196	.5539	171.3
#1	-.9130	11390.	.0718	-2.576	309.0	-3.257
#2	-.6651	11360.	-.6828	-2.650	312.3	-27.99
#3	-.7687	11400.	.7626	-2.538	311.6	2.725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200.0	
Low Limit					-200.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7306**	**.0243**	**53.44**	**-.0256**	**.1126**	F **91.23**
Stddev	8.789	.0828	20.35	.6422	1.696	.97
%RSD	1203.	340.6	38.08	2508.	1506.	1.062
#1	10.72	.0848	68.06	.5124	-1.612	91.85
#2	-2.699	-.0700	62.07	.1473	1.778	91.72
#3	-5.826	.0581	30.20	-.7365	.1718	90.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						40.00
Low Limit						-40.00

Sample Name: INT-10A 4360515 Acquired: 8/23/2016 10:34:33 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.327**	F **-53.76**	**5318.**	**1.426**	**-.1291**	**-2.341**
Stddev	4.234	2.38	24.	.070	.0452	.290
%RSD	127.3	4.429	.4575	4.899	35.05	12.41
#1	-.6064	-53.00	5341.	1.361	-.1097	-2.530
#2	2.779	-56.43	5320.	1.500	-.0968	-2.007
#3	7.809	-51.85	5293.	1.417	-.1808	-2.486
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		40.00				
Low Limit		-40.00				

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10850.**	**10540.**	**-.5752**	**9930.**
Stddev	17.	122.	.0620	155.
%RSD	.1531	1.159	10.79	1.559
#1	10870.	10410.	-.5545	9775.
#2	10840.	10650.	-.5262	9932.
#3	10850.	10560.	-.6450	10080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5334.6**	**31108.**	**4700.5**
Stddev	16.3	139.	52.6
%RSD	.30489	.44540	1.1193
#1	5341.4	31000.	4649.1
#2	5346.3	31061.	4698.2
#3	5316.0	31264.	4754.3

Sample Name: INT-10B 4360523 Acquired: 8/23/2016 10:38:39 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.904**	**6.058**	**.1488**	**.3732**	F **-9.630**	**33.89**
Stddev	5.128	2.641	.4626	.1557	.127	4.18
%RSD	131.3	43.59	310.9	41.71	1.318	12.33
#1	-.5658	3.033	.6522	.2109	-9.775	37.13
#2	-9.809	7.243	.0520	.3875	-9.570	35.37
#3	-1.338	7.899	-.2577	.5212	-9.544	29.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					8.000	
Low Limit					-8.000	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3867**	**5.276**	**10550.**	**10060.**	**-18.68**	**11.50**
Stddev	.0946	.244	61.	5.	4.61	35.37
%RSD	24.46	4.631	.5755	.0495	24.65	307.6
#1	.2903	5.507	10520.	10070.	-18.89	36.24
#2	.3906	5.020	10620.	10060.	-23.18	27.27
#3	.4793	5.301	10510.	10060.	-13.97	-29.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-60.04**	**10600.**	**26.49**	**11290.**	F **-29.68**	**-38.30**
Stddev	4.79	50.	14.83	6.	1.62	1.20
%RSD	7.971	.4719	56.00	.0558	5.452	3.139
#1	-56.22	10580.	16.60	11300.	-27.82	-37.42
#2	-65.41	10660.	19.31	11300.	-30.48	-39.67
#3	-58.50	10570.	43.54	11290.	-30.75	-37.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					20.00	
Low Limit					-20.00	

Sample Name: INT-10B 4360523 Acquired: 8/23/2016 10:38:39 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.359**	**3.794**	**30.29**	**.1465**	**3.581**	**5053.**
Stddev	2.097	1.065	.16	.2752	.331	12.
%RSD	39.12	28.07	.5150	187.8	9.242	.2308
#1	-6.628	5.024	30.12	.0319	3.262	5039.
#2	-2.939	3.196	30.43	.4605	3.922	5058.
#3	-6.511	3.163	30.32	-.0528	3.559	5061.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-4.992**	**.4418**	**10370.**	**-24.79**
Stddev	.784	.1337	25.	11.88
%RSD	15.70	30.26	.2445	47.94
#1	-5.663	.5354	10350.	-26.61
#2	-4.131	.5012	10400.	-35.65
#3	-5.181	.2887	10370.	-12.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5233.5**	**30811.**	**4670.1**
Stddev	9.1	152.	29.1
%RSD	.17440	.49250	.62298
#1	5243.0	30840.	4669.1
#2	5224.8	30646.	4641.4
#3	5232.7	30946.	4699.6

Sample Name: 460-118769-d-1-a@20 Acquired: 8/23/2016 10:42:35 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7359.**	F **-10.33**	**2.527**	**3.150**	**-.0677**	**19350.**
Stddev	107.	.61	.688	.028	.1425	99.
%RSD	1.458	5.891	27.21	.8984	210.4	.5129
#1	7250.	-9.701	1.876	3.125	-.0070	19240.
#2	7465.	-10.37	2.460	3.144	.0343	19390.
#3	7360.	-10.92	3.246	3.181	-.2305	19430.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-10.00				

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6812**	**5.066**	**11.78**	**18.20**	**148400.**	**442.9**
Stddev	.0890	.152	.32	.55	819.	35.0
%RSD	13.06	3.005	2.726	3.008	.5522	7.894
#1	-.5912	5.214	11.75	17.62	147500.	439.3
#2	-.6832	4.910	11.48	18.29	148600.	409.9
#3	-.7692	5.073	12.12	18.70	149000.	479.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8642.**	**1829.**	**2555.**	**35.53**	**43.30**	**-5.924**
Stddev	111.	10.	68.	.16	1.12	1.197
%RSD	1.290	.5350	2.669	.4611	2.593	20.21
#1	8513.	1817.	2479.	35.34	42.14	-5.521
#2	8703.	1835.	2611.	35.61	43.38	-4.981
#3	8710.	1834.	2576.	35.63	44.39	-7.271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118769-d-1-a@20 Acquired: 8/23/2016 10:42:35 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.075**	**2.328**	**-.0404**	**100.9**	**29.75**	**2.445**
Stddev	1.872	1.978	.2566	.7	.38	1.016
%RSD	36.89	84.97	635.8	.6736	1.266	41.55
#1	-5.146	2.680	.0712	100.5	30.17	3.587
#2	-3.168	4.106	-.3338	100.5	29.45	2.107
#3	-6.911	.1974	.1415	101.7	29.62	1.641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1616**	**184.0**	**3.210**	**1344.**
Stddev	.9957	2.4	.074	13.
%RSD	616.3	1.328	2.292	.9401
#1	-.4992	181.3	3.220	1356.
#2	-.9445	184.9	3.278	1331.
#3	.9591	185.9	3.132	1345.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5237.1**	**30601.**	**4762.7**
Stddev	16.2	258.	93.7
%RSD	.31015	.84258	1.9671
#1	5248.4	30881.	4870.0
#2	5244.4	30552.	4697.3
#3	5218.5	30372.	4720.8

Sample Name: 460-118857-e-14-a@4 Acquired: 8/23/2016 10:46:31 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18790.**	**1.777**	**1.240**	**123.0**	**.3640**	**4890.**
Stddev	127.	1.346	.068	.9	.1687	40.
%RSD	.6763	75.74	5.463	.7698	46.34	.8130
#1	18740.	1.316	1.226	122.2	.3643	4848.
#2	18700.	.7219	1.314	122.7	.5325	4928.
#3	18940.	3.292	1.180	124.0	.1952	4895.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1636**	**20.88**	**41.77**	**43.85**	**52490.**	**2715.**
Stddev	.0676	.35	.21	.17	300.	19.
%RSD	41.31	1.683	.5061	.3976	.5712	.6913
#1	-.1777	20.73	41.57	43.78	52140.	2704.
#2	-.2229	20.64	41.99	43.73	52650.	2704.
#3	-.0900	21.29	41.74	44.05	52680.	2737.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11010.**	**1223.**	**298.1**	**65.81**	**32.90**	**-1.061**
Stddev	89.	5.	16.5	.21	1.73	2.365
%RSD	.8121	.3963	5.547	.3256	5.252	222.8
#1	10910.	1217.	282.1	65.81	33.78	1.037
#2	11050.	1225.	315.1	65.59	30.91	-3.624
#3	11080.	1225.	297.0	66.02	34.00	-.5975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118857-e-14-a@4 Acquired: 8/23/2016 10:46:31 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2622**	**-.8634**	**56.75**	**115.6**	**4.179**	**1.107**
Stddev	2.650	1.022	.34	1.2	.238	.509
%RSD	1011.	118.4	.5939	1.066	5.690	45.94
#1	1.832	-1.285	56.64	114.4	3.906	1.668
#2	-3.242	-1.607	56.49	115.5	4.339	.6754
#3	.6235	.3019	57.13	116.9	4.291	.9783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.215**	**22.49**	**813.9**	**641.0**
Stddev	.146	.26	1.6	17.4
%RSD	2.349	1.165	.1933	2.714
#1	6.074	22.54	812.1	624.1
#2	6.206	22.21	815.0	640.1
#3	6.366	22.73	814.6	658.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5314.5**	**31231.**	**4822.6**
Stddev	1.1	28.	37.1
%RSD	.02039	.09069	.76879
#1	5313.9	31241.	4846.1
#2	5315.7	31199.	4842.0
#3	5313.8	31253.	4779.9

Sample Name: 460-118876-a-1-a@4 Acquired: 8/23/2016 10:50:27 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56850.**	**17.99**	**1.930**	**361.4**	**1.492**	**10380.**
Stddev	790.	1.05	.482	1.4	.306	63.
%RSD	1.389	5.856	24.98	.3793	20.49	.6107
#1	55940.	17.29	1.381	359.8	1.146	10320.
#2	57250.	17.49	2.285	361.9	1.601	10450.
#3	57360.	19.20	2.122	362.4	1.727	10370.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2841**	**34.31**	**109.1**	**92.57**	**92030.**	**6082.**
Stddev	.1803	.58	1.4	1.29	768.	53.
%RSD	63.45	1.702	1.258	1.395	.8347	.8730
#1	-.3634	33.65	107.7	91.29	91190.	6024.
#2	-.4111	34.52	110.4	93.87	92690.	6128.
#3	-.0778	34.76	109.2	92.57	92200.	6095.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9880.**	**1581.**	**359.0**	**59.00**	**271.2**	**-.1685**
Stddev	79.	14.	17.7	.18	.3	.8417
%RSD	.8000	.9116	4.940	.3101	.1219	499.5
#1	9810.	1564.	342.0	58.83	271.4	-.7699
#2	9965.	1592.	377.4	59.19	270.8	.7934
#3	9864.	1585.	357.7	58.98	271.3	-.5289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118876-a-1-a@4 Acquired: 8/23/2016 10:50:27 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4105**	**-4.301**	**148.5**	**189.3**	**16.25**	**4.000**
Stddev	2.791	1.399	1.9	1.4	.09	.192
%RSD	679.9	32.54	1.310	.7207	.5808	4.793
#1	-2.149	-3.842	146.3	187.8	16.36	3.897
#2	3.387	-5.872	149.9	189.5	16.22	3.882
#3	-.0060	-3.189	149.2	190.5	16.18	4.221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**41.39**	**97.02**	**1951.**	**1056.**
Stddev	.40	2.19	21.	41.
%RSD	.9583	2.254	1.076	3.904
#1	41.75	94.60	1927.	1009.
#2	40.97	97.61	1964.	1071.
#3	41.46	98.85	1963.	1087.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5457.0**	**31822.**	**4923.6**
Stddev	43.9	309.	45.3
%RSD	.80469	.97254	.91972
#1	5430.5	31702.	4902.9
#2	5432.9	31591.	4892.5
#3	5507.7	32174.	4975.6

Sample Name: pds 460-118977-a-6-i Acquired: 8/23/2016 10:54:19 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37190.**	**1978.**	**53.25**	**2281.**	**49.44**	**136300.**
Stddev	1495.	10.	1.51	10.	2.00	2411.
%RSD	4.021	.4893	2.844	.4207	4.038	1.769
#1	35460.	1967.	51.50	2270.	47.13	133600.
#2	38060.	1985.	54.11	2285.	50.66	138300.
#3	38050.	1983.	54.14	2287.	50.52	136900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.85**	**519.8**	**471.1**	**512.6**	**76330.**	**26170.**
Stddev	.23	1.8	10.3	13.0	1374.	1064.
%RSD	.4454	.3525	2.191	2.529	1.800	4.068
#1	51.09	521.7	459.2	497.6	74760.	24940.
#2	50.64	518.0	478.1	519.2	77330.	26790.
#3	50.83	519.6	475.9	520.9	76910.	26770.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42840.**	**2006.**	**38440.**	**624.4**	**791.4**	**466.5**
Stddev	792.	37.	1625.	.6	1.5	3.9
%RSD	1.849	1.849	4.228	.0915	.1895	.8437
#1	41950.	1964.	36570.	624.6	789.6	461.9
#2	43470.	2035.	39260.	623.7	792.0	468.8
#3	43110.	2020.	39500.	624.7	792.4	468.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118977-a-6-i Acquired: 8/23/2016 10:54:19 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1915.**	**1960.**	**588.1**	**1137.**	**567.6**	**476.5**
Stddev	24.	19.	13.7	1.	7.6	3.4
%RSD	1.235	.9931	2.331	.0635	1.341	.7178
#1	1891.	1937.	572.3	1137.	560.6	472.7
#2	1916.	1969.	596.8	1138.	566.6	477.2
#3	1939.	1973.	595.2	1137.	575.7	479.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**547.0**	**1203.**	**1638.**	**12400.**
Stddev	3.3	51.	33.	370.
%RSD	.5977	4.241	1.997	2.985
#1	545.3	1144.	1600.	11970.
#2	544.9	1232.	1657.	12560.
#3	550.8	1234.	1656.	12660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5165.1**	**30350.**	**4847.7**
Stddev	19.9	319.	67.6
%RSD	.38561	1.0504	1.3945
#1	5188.1	30718.	4915.6
#2	5155.1	30154.	4780.4
#3	5152.2	30178.	4847.1

Sample Name: 460-118977-a-6-k ms Acquired: 8/23/2016 10:57:58 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**45300.**	**1056.**	**32.59**	**1375.**	**27.15**	**170600.**
Stddev	1492.	37.	1.15	48.	.84	3348.
%RSD	3.295	3.541	3.520	3.480	3.080	1.963
#1	43770.	1041.	31.42	1350.	26.20	166800.
#2	45380.	1099.	33.71	1430.	27.49	173100.
#3	46750.	1029.	32.63	1344.	27.77	171800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29.06**	**291.3**	**408.2**	**416.5**	**80200.**	**19280.**
Stddev	1.46	10.2	9.3	9.4	1520.	675.
%RSD	5.013	3.515	2.267	2.247	1.896	3.500
#1	28.38	285.1	398.0	410.1	78580.	18560.
#2	30.74	303.1	416.1	427.2	81600.	19360.
#3	28.08	285.7	410.5	412.1	80410.	19900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38110.**	**1964.**	**30380.**	**401.9**	**574.3**	**145.6**
Stddev	717.	37.	914.	14.4	17.9	5.5
%RSD	1.881	1.906	3.007	3.573	3.120	3.748
#1	37350.	1924.	29430.	393.5	562.1	141.9
#2	38770.	1999.	30460.	418.5	594.9	151.9
#3	38200.	1968.	31250.	393.8	565.9	143.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118977-a-6-k ms Acquired: 8/23/2016 10:57:58 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1005.**	**1030.**	**382.9**	**994.9**	**345.0**	**247.4**
Stddev	34.	39.	9.1	33.9	12.4	9.7
%RSD	3.402	3.819	2.385	3.405	3.605	3.934
#1	988.0	1010.	374.1	977.4	338.8	241.1
#2	1045.	1075.	392.3	1034.	359.3	258.6
#3	983.2	1005.	382.4	973.4	336.8	242.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**314.6**	**1153.**	**1614.**	**14840.**
Stddev	11.9	32.	35.	531.
%RSD	3.771	2.731	2.197	3.575
#1	307.8	1120.	1578.	14510.
#2	328.2	1156.	1649.	15450.
#3	307.6	1183.	1615.	14560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5063.1**	**29852.**	**4741.6**
Stddev	131.5	351.	122.7
%RSD	2.5975	1.1772	2.5880
#1	5093.0	30090.	4855.1
#2	4919.1	29448.	4758.2
#3	5177.0	30018.	4611.4

Sample Name: 460-118977-a-6-j du Acquired: 8/23/2016 11:01:42 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44480.**	**23.40**	**6.850**	**308.1**	**.9827**	F **335500.**
Stddev	231.	2.92	.842	.3	.0903	2103.
%RSD	.5192	12.47	12.30	.1067	9.194	.6267
#1	44240.	26.48	7.704	308.3	.9801	336300.
#2	44510.	20.67	6.020	307.7	1.074	333100.
#3	44700.	23.05	6.825	308.1	.8936	337000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.961**	**28.22**	**316.2**	**269.5**	**74580.**	**7979.**
Stddev	.119	.20	1.1	.5	299.	40.
%RSD	4.010	.7051	.3504	.2029	.4005	.4971
#1	2.986	28.01	317.0	268.9	74670.	7934.
#2	2.831	28.40	314.9	269.6	74240.	8006.
#3	3.064	28.25	316.6	270.0	74820.	7998.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33780.**	**1955.**	**18280.**	**143.1**	**262.9**	**.1000**
Stddev	154.	7.	54.	1.2	2.0	1.615
%RSD	.4567	.3535	.2957	.8491	.7442	1615.
#1	33780.	1956.	18230.	142.8	260.9	.1772
#2	33620.	1947.	18280.	142.1	263.0	1.675
#3	33930.	1961.	18330.	144.5	264.8	-1.552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118977-a-6-j du Acquired: 8/23/2016 11:01:42 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.173**	**-6.589**	**163.2**	**855.9**	**106.2**	**6.502**
Stddev	1.863	2.065	.3	.4	.5	.361
%RSD	58.71	31.33	.2085	.0479	.5008	5.555
#1	2.950	-4.327	163.1	856.1	106.0	6.884
#2	1.431	-7.071	163.0	855.5	106.7	6.454
#3	5.137	-8.371	163.6	856.2	105.7	6.167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**55.26**	**1544.**	**1543.**	**12820.**
Stddev	1.60	9.	2.	48.
%RSD	2.900	.5734	.1038	.3739
#1	55.80	1534.	1545.	12770.
#2	53.45	1547.	1542.	12850.
#3	56.51	1551.	1542.	12850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5021.1**	**29626.**	**4783.4**
Stddev	8.6	131.	20.5
%RSD	.17109	.44198	.42900
#1	5024.7	29571.	4783.4
#2	5027.4	29776.	4804.0
#3	5011.3	29532.	4762.9

Sample Name: CCV Acquired: 8/23/2016 11:05:34 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121200.**	**2520.**	**1217.**	**10070.**	**991.8**	**120800.**
Stddev	444.	3.	2.	7.	5.2	417.
%RSD	.3668	.1241	.1958	.0713	.5215	.3448
#1	120800.	2520.	1216.	10060.	988.1	120800.
#2	121000.	2523.	1216.	10070.	989.6	120400.
#3	121700.	2516.	1220.	10060.	997.7	121300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1245.**	**2520.**	**4943.**	**12250.**	**98270.**	**47820.**
Stddev	1.	2.	16.	31.	330.	283.
%RSD	.0481	.0664	.3274	.2513	.3360	.5916
#1	1246.	2518.	4944.	12210.	98210.	47510.
#2	1245.	2521.	4926.	12250.	97970.	47870.
#3	1245.	2520.	4958.	12270.	98620.	48070.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121600.**	**4947.**	**122000.**	**2540.**	**7592.**	**1007.**
Stddev	382.	12.	441.	3.	3.	3.
%RSD	.3143	.2345	.3609	.1049	.0417	.2596
#1	121400.	4947.	121700.	2542.	7590.	1008.
#2	121200.	4936.	121900.	2537.	7596.	1005.
#3	122000.	4959.	122600.	2540.	7592.	1010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 11:05:34 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2506.**	**2533.**	**2451.**	**2518.**	**1023.**	**2444.**
Stddev	6.	11.	4.	5.	7.	4.
%RSD	.2581	.4482	.1608	.2100	.6741	.1840
#1	2499.	2523.	2448.	2513.	1017.	2443.
#2	2506.	2531.	2449.	2517.	1021.	2448.
#3	2512.	2545.	2456.	2524.	1031.	2439.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1006.**	**4989.**	**9930.**	**9954.**
Stddev	8.	16.	9.	74.
%RSD	.7477	.3246	.0902	.7391
#1	1000.	4975.	9933.	10000.
#2	1002.	4986.	9920.	9869.
#3	1014.	5007.	9937.	9992.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4951.9**	**28951.**	**4624.2**
Stddev	5.3	149.	12.8
%RSD	.10771	.51323	.27589
#1	4957.8	29057.	4621.9
#2	4947.4	29015.	4637.9
#3	4950.4	28781.	4612.7

Sample Name: CCB Acquired: 8/23/2016 11:09:10 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7056**	**-3.303**	**.9620**	**-.0860**	**-.1335**	**13.82**
Stddev	6.334	.643	.5527	.0295	.0870	8.98
%RSD	897.6	19.47	57.45	34.30	65.19	64.97
#1	-4.940	-3.932	.3267	-.0575	-.0963	23.72
#2	-.4977	-3.329	1.332	-.1165	-.0712	11.53
#3	7.555	-2.647	1.228	-.0840	-.2329	6.206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0228**	**-.1084**	**-.0981**	**.4929**	**7.310**	**26.69**
Stddev	.1694	.0560	.5571	.2396	6.879	33.79
%RSD	744.0	51.72	567.7	48.62	94.10	126.6
#1	.0979	-.0505	.4410	.5609	15.14	65.43
#2	.0503	-.1624	-.0638	.6911	4.529	11.34
#3	-.2165	-.1123	-.6717	.2266	2.258	3.296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.053**	**.0357**	**20.72**	**.2560**	**.7706**	**-.7355**
Stddev	1.631	.0345	12.85	.3590	.1981	.3994
%RSD	53.43	96.62	62.01	140.3	25.71	54.30
#1	-1.574	.0197	33.16	.6263	.9966	-1.086
#2	-2.783	.0121	7.499	.2322	.6885	-.8197
#3	-4.802	.0753	21.51	-.0906	.6268	-.3007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 11:09:10 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.784**	**1.927**	**.2999**	**.1413**	**2.318**	**.5839**
Stddev	2.024	1.269	.0473	.1670	.780	.4176
%RSD	53.49	65.88	15.76	118.2	33.64	71.53
#1	3.566	2.181	.2521	-.0499	3.124	1.011
#2	1.878	.5493	.3011	.2585	2.263	.5651
#3	5.908	3.049	.3466	.2153	1.567	.1759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3998**	**.0743**	**.1205**	**13.96**
Stddev	.4372	.0531	.0804	19.25
%RSD	109.3	71.43	66.67	137.9
#1	-.8901	.0293	.2120	-4.077
#2	-.2586	.1328	.0883	11.74
#3	-.0507	.0607	.0613	34.22
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5333.5**	**31497.**	**4736.1**
Stddev	50.5	46.	48.4
%RSD	.94763	.14732	1.0225
#1	5390.7	31454.	4684.1
#2	5315.1	31547.	4744.5
#3	5294.7	31491.	4779.9

Sample Name: CCVL Acquired: 8/23/2016 11:13:11 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**192.3**	**11.98**	**9.564**	**204.4**	**1.693**	**4712.**
Stddev	10.1	1.37	.134	.8	.079	50.
%RSD	5.239	11.40	1.396	.3889	4.678	1.068
#1	193.3	11.03	9.431	203.6	1.696	4654.
#2	201.9	11.36	9.564	204.6	1.770	4746.
#3	181.8	13.54	9.698	205.2	1.612	4736.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.985**	**51.33**	**9.833**	**23.55**	**178.5**	**4411.**
Stddev	.123	.10	.125	.21	8.4	39.
%RSD	3.097	.1901	1.271	.8788	4.690	.8770
#1	3.887	51.24	9.861	23.60	170.9	4394.
#2	3.945	51.43	9.696	23.33	177.0	4385.
#3	4.124	51.31	9.941	23.73	187.5	4456.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4767.**	**15.35**	**4391.**	**42.74**	**11.64**	**19.65**
Stddev	65.	.20	51.	.17	1.57	.49
%RSD	1.360	1.279	1.171	.3911	13.48	2.484
#1	4694.	15.13	4332.	42.58	9.998	19.18
#2	4792.	15.46	4414.	42.92	11.80	20.16
#3	4816.	15.48	4427.	42.72	13.12	19.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 11:13:11 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.40**	**20.34**	**48.73**	**32.88**	**49.02**	**19.27**
Stddev	3.05	1.67	.51	.31	.40	.24
%RSD	15.72	8.221	1.044	.9317	.8108	1.242
#1	20.04	18.47	48.32	32.63	48.60	19.54
#2	16.09	20.87	49.30	32.78	49.09	19.07
#3	22.09	21.68	48.58	33.22	49.38	19.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**49.51**	**19.54**	**20.55**	F **8.455**
Stddev	.50	.29	.17	17.82
%RSD	1.015	1.472	.8157	210.8
#1	49.88	19.21	20.42	26.85
#2	49.72	19.66	20.49	-8.734
#3	48.94	19.74	20.74	7.251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5271.9**	**30962.**	**4753.6**
Stddev	11.5	125.	43.2
%RSD	.21738	.40523	.90786
#1	5261.7	31094.	4774.7
#2	5284.3	30950.	4782.1
#3	5269.8	30844.	4704.0

Sample Name: mb 460-386183/1-a@2 Acquired: 8/23/2016 11:17:11 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.25**	**-2.365**	**.2730**	**-.0968**	**-.0634**	**11.87**
Stddev	5.90	1.976	.3784	.2888	.0243	.57
%RSD	57.62	83.54	138.6	298.3	38.36	4.823
#1	8.613	-3.921	.5876	.0635	-.0415	12.45
#2	16.79	-3.033	.3784	.0762	-.0895	11.85
#3	5.330	-.1420	-.1470	-.4302	-.0590	11.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0390**	**-.1736**	**.2524**	**.3278**	**-.7171**	**5.693**
Stddev	.0496	.0321	.3201	.2402	4.830	10.26
%RSD	127.0	18.52	126.8	73.27	673.6	180.2
#1	.0272	-.1480	.3753	.4004	1.442	-4.419
#2	.0934	-.1630	.4928	.0597	-6.250	16.09
#3	-.0036	-.2097	-.1110	.5232	2.657	5.409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.903**	**-.0243**	**5.041**	**.1276**	**.4296**	**.0404**
Stddev	3.421	.0342	5.824	.5034	2.296	.6612
%RSD	87.67	140.7	115.5	394.4	534.5	1636.
#1	-.0774	.0122	-1.594	.1763	-2.107	.4130
#2	-6.670	-.0295	7.411	.6049	1.030	-.7230
#3	-4.960	-.0556	9.306	-.3983	2.366	.4312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386183/1-a@2 Acquired: 8/23/2016 11:17:11 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3608**	**-.9167**	**.3819**	**.0963**	**.6328**	**-.3446**
Stddev	3.568	1.639	.0512	.0958	.3253	.1204
%RSD	988.9	178.8	13.42	99.47	51.40	34.94
#1	1.703	-2.207	.4092	.1155	.4878	-.4832
#2	3.063	-1.470	.3228	.1810	.4053	-.2849
#3	-3.684	.9275	.4137	-.0076	1.005	-.2657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5861**	**.0559**	**-.0950**	**18.28**
Stddev	1.475	.1235	.1722	24.47
%RSD	251.6	221.1	181.2	133.8
#1	-2.030	.0544	-.1844	21.46
#2	.9173	.1800	-.2042	41.01
#3	-.6454	-.0669	.1035	-7.621
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5304.6**	**31470.**	**4728.9**
Stddev	36.0	61.	70.4
%RSD	.67900	.19519	1.4896
#1	5335.6	31541.	4662.7
#2	5313.0	31429.	4721.1
#3	5265.1	31440.	4803.0

Sample Name: lcssrm 460-386183/2- Acquired: 8/23/2016 11:21:12 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34640.**	**283.4**	**260.8**	**587.8**	**336.7**	**30260.**
Stddev	1132.	1.3	6.8	2.8	10.9	1014.
%RSD	3.268	.4564	2.600	.4822	3.228	3.352
#1	33330.	284.9	253.0	584.5	324.3	29100.
#2	35230.	282.5	265.6	589.7	341.3	30980.
#3	35350.	282.8	263.7	589.2	344.5	30690.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**393.6**	**316.5**	**319.7**	**271.9**	**66930.**	**10520.**
Stddev	2.4	1.9	7.9	4.3	1982.	325.
%RSD	.6032	.6129	2.465	1.564	2.961	3.086
#1	390.9	314.3	310.7	267.0	64660.	10150.
#2	395.1	317.5	325.6	274.3	68280.	10670.
#3	394.8	317.8	322.8	274.4	67860.	10740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12350.**	**1350.**	**4021.**	**332.6**	**475.3**	**318.1**
Stddev	375.	38.	83.	2.9	6.1	2.1
%RSD	3.038	2.835	2.058	.8624	1.291	.6472
#1	11920.	1306.	3928.	329.3	468.2	319.8
#2	12610.	1376.	4085.	334.6	478.6	315.8
#3	12520.	1368.	4051.	334.0	479.0	318.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-386183/2- Acquired: 8/23/2016 11:21:12 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**400.5**	**977.5**	**268.6**	**1032.**	**424.5**	**288.8**
Stddev	5.7	11.4	6.1	5.	3.7	2.1
%RSD	1.432	1.164	2.274	.4658	.8666	.7314
#1	394.4	964.5	261.6	1026.	420.4	286.4
#2	401.5	985.6	272.5	1034.	425.6	289.9
#3	405.7	982.5	271.8	1035.	427.6	290.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**825.4**	**433.0**	**1556.**	**1738.**
Stddev	10.2	11.9	35.	38.
%RSD	1.239	2.755	2.219	2.182
#1	814.2	419.2	1516.	1718.
#2	827.8	439.6	1576.	1782.
#3	834.3	440.1	1575.	1714.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5260.0**	**31298.**	**4911.8**
Stddev	47.5	550.	138.6
%RSD	.90280	1.7580	2.8214
#1	5225.6	31862.	5063.0
#2	5240.2	30763.	4881.7
#3	5314.2	31268.	4790.7

Sample Name: 460-118977-a-6-i@4 Acquired: 8/23/2016 11:24:55 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36680.**	**25.78**	**7.980**	**296.5**	**1.042**	**119300.**
Stddev	9.	1.72	.150	.7	.133	344.
%RSD	.0251	6.650	1.883	.2266	12.78	.2880
#1	36670.	26.29	8.151	296.8	1.187	119700.
#2	36690.	23.88	7.918	295.8	1.017	119000.
#3	36680.	27.19	7.871	297.0	.9241	119200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.668**	**30.03**	**284.8**	**290.4**	**77130.**	**8999.**
Stddev	.072	.20	1.1	.9	104.	82.
%RSD	1.952	.6513	.3774	.3138	.1354	.9163
#1	3.636	29.82	283.8	289.4	77230.	8910.
#2	3.750	30.21	284.5	290.6	77020.	9072.
#3	3.619	30.05	285.9	291.2	77140.	9015.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25190.**	**1563.**	**20570.**	**134.3**	**311.8**	**-.7370**
Stddev	50.	2.	28.	1.1	2.2	1.640
%RSD	.1975	.1317	.1384	.8114	.7102	222.6
#1	25230.	1565.	20540.	135.4	314.2	1.003
#2	25130.	1562.	20590.	134.2	309.9	-.9604
#3	25200.	1561.	20590.	133.3	311.4	-2.254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118977-a-6-i@4 Acquired: 8/23/2016 11:24:55 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.193**	**-4.029**	**111.9**	**675.0**	**82.97**	**3.751**
Stddev	2.922	1.141	.8	4.1	.64	.249
%RSD	244.9	28.31	.7180	.6071	.7722	6.639
#1	1.362	-3.080	112.5	678.5	83.44	3.464
#2	-1.810	-3.712	112.3	670.5	83.22	3.918
#3	4.027	-5.294	111.0	676.0	82.24	3.869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**62.51**	**757.7**	**1192.**	**13150.**
Stddev	.58	.9	1.	180.
%RSD	.9200	.1224	.0927	1.371
#1	63.13	757.7	1191.	12990.
#2	62.42	758.6	1194.	13340.
#3	61.99	756.8	1192.	13130.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5087.0**	**30417.**	**4864.8**
Stddev	6.4	41.	28.7
%RSD	.12653	.13562	.59018
#1	5090.7	30393.	4831.7
#2	5090.8	30465.	4883.0
#3	5079.6	30394.	4879.6

Sample Name: sd 460-118977-a-6-i Acquired: 8/23/2016 11:28:45 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7168.**	**2.749**	**2.200**	**58.70**	**.0562**	**23600.**
Stddev	21.	1.571	.047	.34	.1049	229.
%RSD	.2920	57.13	2.138	.5863	186.6	.9713
#1	7176.	1.297	2.226	58.35	.1766	23390.
#2	7145.	2.535	2.228	59.04	-.0160	23570.
#3	7185.	4.416	2.146	58.72	.0081	23850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5937**	**5.870**	**57.33**	**56.03**	**15950.**	**1710.**
Stddev	.1722	.038	.50	.12	196.	36.
%RSD	29.00	.6508	.8719	.2136	1.230	2.104
#1	.7080	5.847	56.76	56.11	15750.	1726.
#2	.6774	5.849	57.70	55.89	15970.	1669.
#3	.3957	5.914	57.52	56.09	16140.	1735.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5228.**	**316.7**	**3932.**	**27.59**	**63.88**	**-.7855**
Stddev	81.	1.4	67.	.66	1.69	2.432
%RSD	1.542	.4384	1.715	2.381	2.640	309.6
#1	5139.	315.8	3895.	28.09	62.28	.8069
#2	5246.	315.9	3891.	26.85	63.72	.4219
#3	5297.	318.3	4010.	27.84	65.64	-3.585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118977-a-6-i Acquired: 8/23/2016 11:28:45 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.202**	**-3.629**	**21.97**	**137.1**	**16.80**	**.4399**
Stddev	3.786	1.334	.34	2.0	.53	.1718
%RSD	90.11	36.77	1.531	1.451	3.155	39.05
#1	8.373	-3.871	21.58	135.6	17.29	.2416
#2	3.250	-4.825	22.15	136.2	16.87	.5350
#3	.9823	-2.190	22.17	139.3	16.24	.5430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.83**	**149.6**	**238.4**	**2487.**
Stddev	.94	.8	1.9	23.
%RSD	7.915	.5442	.8081	.9064
#1	11.18	148.8	236.2	2496.
#2	11.42	149.4	239.0	2504.
#3	12.91	150.4	239.9	2462.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5239.8**	**31293.**	**4788.8**
Stddev	27.0	66.	4.3
%RSD	.51587	.21069	.08945
#1	5230.8	31279.	4786.2
#2	5218.4	31234.	4793.7
#3	5270.2	31364.	4786.5

Sample Name: 460-118977-a-12-e@4 Acquired: 8/23/2016 11:32:40 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40070.**	**29.66**	**8.227**	**317.3**	**1.221**	**123900.**
Stddev	107.	1.14	.259	1.2	.106	39.
%RSD	.2668	3.848	3.142	.3685	8.673	.0312
#1	40040.	30.30	8.250	316.3	1.102	123900.
#2	39980.	30.35	7.958	317.1	1.258	124000.
#3	40190.	28.34	8.474	318.6	1.304	123900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.085**	**32.81**	**311.5**	**312.3**	**83840.**	**9475.**
Stddev	.127	.35	.3	.3	82.	68.
%RSD	3.104	1.065	.0966	.0830	.0972	.7199
#1	3.984	32.45	311.2	312.1	83770.	9396.
#2	4.044	32.84	311.8	312.2	83810.	9521.
#3	4.227	33.15	311.4	312.6	83930.	9506.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27200.**	**1747.**	**22550.**	**142.5**	**348.1**	**-.7774**
Stddev	16.	1.	35.	.9	.5	1.201
%RSD	.0596	.0438	.1550	.6130	.1374	154.5
#1	27210.	1746.	22560.	141.8	347.6	-1.680
#2	27200.	1747.	22520.	142.1	348.2	-1.238
#3	27180.	1748.	22580.	143.5	348.6	.5858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118977-a-12-e@4 Acquired: 8/23/2016 11:32:40 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7053**	**-4.321**	**120.8**	**756.8**	**88.81**	**4.054**
Stddev	.3023	1.867	.9	6.3	.70	.093
%RSD	42.86	43.21	.7064	.8272	.7923	2.285
#1	.3846	-3.544	119.9	750.3	88.08	3.948
#2	.9851	-2.967	121.2	757.6	88.88	4.122
#3	.7461	-6.451	121.4	762.7	89.48	4.091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**70.36**	**752.8**	**1231.**	**11490.**
Stddev	.05	2.4	2.	114.
%RSD	.0739	.3206	.1770	.9893
#1	70.32	754.4	1229.	11440.
#2	70.42	750.1	1230.	11410.
#3	70.34	754.1	1233.	11620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5095.4**	**30533.**	**4914.1**
Stddev	10.7	141.	13.0
%RSD	.21072	.46300	.26394
#1	5083.4	30371.	4915.1
#2	5104.2	30594.	4900.6
#3	5098.5	30634.	4926.5

Sample Name: 460-118769-d-1-a@30 Acquired: 8/23/2016 11:36:31 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4804.**	**-7.996**	**2.981**	**2.018**	**.0545**	**12850.**
Stddev	27.	.923	.459	.118	.1257	108.
%RSD	.5615	11.54	15.38	5.826	230.4	.8380
#1	4776.	-7.433	2.560	2.107	.0191	12740.
#2	4804.	-7.493	2.915	1.884	-.0496	12860.
#3	4830.	-9.061	3.469	2.062	.1941	12960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2113**	**3.204**	**8.028**	**12.20**	**97250.**	**288.5**
Stddev	.2969	.098	.522	.23	865.	13.1
%RSD	140.5	3.053	6.497	1.890	.8895	4.522
#1	-.0436	3.301	8.313	11.94	96360.	294.2
#2	.5373	3.206	8.345	12.28	97290.	273.6
#3	.1402	3.106	7.426	12.38	98090.	297.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5727.**	**1192.**	**1672.**	**23.32**	**28.95**	**-3.600**
Stddev	97.	9.	12.	.15	2.31	.478
%RSD	1.701	.7628	.6981	.6349	7.983	13.27
#1	5625.	1184.	1679.	23.47	31.49	-3.848
#2	5737.	1191.	1659.	23.30	28.39	-3.902
#3	5819.	1202.	1679.	23.18	26.97	-3.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118769-d-1-a@30 Acquired: 8/23/2016 11:36:31 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.145**	**2.417**	**-.4259**	**67.76**	**20.18**	**-.3091**
Stddev	.411	.438	.2281	1.30	.73	.0292
%RSD	19.17	18.14	53.55	1.919	3.594	9.461
#1	-2.605	2.807	-.3629	66.26	19.37	-.3230
#2	-2.018	1.943	-.6788	68.57	20.39	-.2755
#3	-1.813	2.501	-.2359	68.45	20.78	-.3289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5325**	**121.3**	**2.196**	**917.5**
Stddev	.2711	.9	.043	22.3
%RSD	50.91	.7068	1.941	2.432
#1	.8447	120.8	2.165	896.8
#2	.3966	120.8	2.178	941.2
#3	.3562	122.3	2.245	914.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5169.4**	**30694.**	**4738.9**
Stddev	44.6	282.	67.6
%RSD	.86358	.91739	1.4272
#1	5220.3	31003.	4805.2
#2	5151.3	30628.	4741.4
#3	5136.6	30451.	4670.0

Sample Name: 460-118977-a-6-j du@ Acquired: 8/23/2016 11:40:27 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17450.**	**9.866**	**3.472**	**125.2**	**.2344**	**130700.**
Stddev	31.	3.663	.249	.8	.2022	506.
%RSD	.1790	37.13	7.169	.6064	86.29	.3874
#1	17430.	5.965	3.759	124.3	.4679	130200.
#2	17440.	13.23	3.326	125.7	.1144	131200.
#3	17490.	10.40	3.330	125.5	.1209	130600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.103**	**11.57**	**127.8**	**106.7**	**30680.**	**3069.**
Stddev	.123	.30	.7	.4	155.	64.
%RSD	11.13	2.627	.5747	.3834	.5066	2.078
#1	1.214	11.74	127.0	106.6	30510.	3000.
#2	.9709	11.76	128.3	106.4	30700.	3126.
#3	1.123	11.22	128.2	107.2	30820.	3080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13910.**	**781.7**	**7118.**	**58.60**	**109.4**	**-.9177**
Stddev	83.	1.5	35.	.09	2.9	1.065
%RSD	.5949	.1876	.4884	.1501	2.650	116.0
#1	13810.	780.0	7080.	58.58	106.3	-.5698
#2	13960.	782.9	7126.	58.70	109.6	-2.113
#3	13960.	782.0	7149.	58.53	112.1	-.0705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118977-a-6-j du@ Acquired: 8/23/2016 11:40:27 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.777**	**-1.662**	**65.53**	**350.7**	**42.73**	**2.364**
Stddev	2.060	2.529	.80	1.2	.75	.221
%RSD	115.9	152.2	1.219	.3394	1.744	9.343
#1	-1.633	-4.564	64.62	349.4	42.60	2.171
#2	-3.906	-.4882	66.13	350.8	42.05	2.315
#3	.2067	.0668	65.83	351.8	43.53	2.605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**22.14**	**605.7**	**613.2**	**5104.**
Stddev	.69	1.7	2.3	59.
%RSD	3.111	.2822	.3763	1.154
#1	22.19	605.8	611.1	5055.
#2	22.81	607.4	615.7	5169.
#3	21.43	603.9	613.0	5087.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5060.6**	**30473.**	**4847.9**
Stddev	10.9	50.	5.2
%RSD	.21486	.16247	.10686
#1	5053.2	30500.	4847.7
#2	5055.5	30416.	4853.2
#3	5073.1	30503.	4842.9

Sample Name: 460-118607-c-17-d@4 Acquired: 8/23/2016 11:44:21 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**69460.**	**51.98**	**11.39**	**934.7**	**1.450**	**48320.**
Stddev	161.	1.82	.29	5.3	.139	549.
%RSD	.2323	3.506	2.569	.5703	9.597	1.137
#1	69310.	51.15	11.18	937.9	1.606	47690.
#2	69450.	54.07	11.73	937.7	1.404	48560.
#3	69630.	50.72	11.27	928.6	1.339	48700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.180**	**95.96**	**169.8**	**835.3**	**136000.**	**4099.**
Stddev	.221	.35	1.3	4.7	959.	48.
%RSD	5.296	.3640	.7830	.5590	.7056	1.165
#1	4.373	96.13	168.3	840.2	134900.	4045.
#2	4.228	95.56	170.8	830.9	136300.	4134.
#3	3.939	96.19	170.3	834.6	136700.	4119.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23230.**	**5456.**	**212.3**	**105.0**	F **124100.**	**69.58**
Stddev	125.	31.	7.8	1.0	151.	1.73
%RSD	.5394	.5600	3.655	.9821	.1214	2.487
#1	23090.	5421.	219.8	105.6	123900.	71.44
#2	23310.	5467.	212.8	103.8	124200.	68.01
#3	23300.	5479.	204.3	105.5	124100.	69.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118607-c-17-d@4 Acquired: 8/23/2016 11:44:21 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6872**	**-5.869**	**230.0**	**1255.**	**6.355**	**8.210**
Stddev	2.979	3.191	2.8	6.	.700	.301
%RSD	433.5	54.36	1.238	.4753	11.01	3.667
#1	.8793	-2.185	226.7	1250.	7.005	8.190
#2	-4.123	-7.668	232.0	1262.	6.447	7.920
#3	1.182	-7.754	231.2	1255.	5.614	8.521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**231.0**	**96.02**	**1647.**	**1573.**
Stddev	.7	.30	3.	18.
%RSD	.3101	.3118	.1854	1.143
#1	230.2	95.67	1644.	1552.
#2	231.4	96.15	1648.	1582.
#3	231.4	96.23	1650.	1584.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5235.9**	**31164.**	**4876.3**
Stddev	15.5	228.	19.4
%RSD	.29615	.73245	.39839
#1	5219.8	30904.	4881.5
#2	5250.8	31332.	4892.6
#3	5237.1	31256.	4854.8

Sample Name: 460-118607-d-26-a@4 Acquired: 8/23/2016 11:52:09 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**98730.**	**31.83**	**1.488**	**1149.**	**12.84**	F **477000.**
Stddev	206.	2.41	.602	1.	.10	4748.
%RSD	.2089	7.577	40.47	.1227	.7687	.9953
#1	98890.	32.57	2.183	1148.	12.83	481300.
#2	98800.	33.79	1.144	1150.	12.94	471900.
#3	98500.	29.14	1.137	1148.	12.74	477800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.958**	**19.72**	**118.5**	**315.0**	**52160.**	**7965.**
Stddev	.062	.53	.4	3.8	371.	28.
%RSD	.6958	2.694	.3176	1.194	.7114	.3470
#1	8.977	19.38	118.4	310.7	52480.	7984.
#2	9.009	19.44	118.2	317.4	51760.	7978.
#3	8.889	20.33	118.9	316.9	52260.	7933.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**114900.**	**6696.**	**2988.**	**69.67**	**1182.**	**2.843**
Stddev	764.	38.	30.	.17	2.	2.035
%RSD	.6650	.5610	.9893	.2438	.1595	71.58
#1	115600.	6728.	2954.	69.83	1180.	4.005
#2	114000.	6655.	3001.	69.49	1184.	.4931
#3	115000.	6707.	3008.	69.68	1182.	4.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118607-d-26-a@4 Acquired: 8/23/2016 11:52:09 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.812**	**-3.892**	**120.6**	**1180.**	**139.4**	**8.037**
Stddev	1.329	1.947	1.3	3.	.2	.588
%RSD	19.50	50.04	1.059	.2642	.1338	7.311
#1	7.767	-1.874	119.9	1177.	139.4	8.409
#2	5.295	-5.760	119.9	1179.	139.2	8.342
#3	7.375	-4.041	122.1	1183.	139.5	7.359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**23.68**	**925.6**	**2489.**	**2092.**
Stddev	.62	1.7	5.	36.
%RSD	2.626	.1802	.1958	1.739
#1	22.96	926.5	2485.	2051.
#2	24.06	926.7	2487.	2108.
#3	24.01	923.7	2495.	2118.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5247.6**	**30938.**	**4971.5**
Stddev	11.1	87.	80.3
%RSD	.21077	.27991	1.6160
#1	5241.8	30861.	4885.8
#2	5240.7	31032.	4983.5
#3	5260.4	30921.	5045.1

Sample Name: CCV Acquired: 8/23/2016 11:56:01 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121600.**	**2551.**	**1226.**	**10140.**	**999.8**	**120000.**
Stddev	276.	3.	3.	8.	1.5	573.
%RSD	.2268	.1260	.2244	.0762	.1500	.4774
#1	121300.	2551.	1227.	10130.	1001.	120100.
#2	121700.	2553.	1223.	10140.	999.5	119400.
#3	121700.	2547.	1227.	10140.	998.5	120500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1254.**	**2538.**	**4926.**	**12440.**	**98000.**	**48180.**
Stddev	2.	1.	20.	10.	427.	124.
%RSD	.1896	.0450	.3959	.0777	.4353	.2571
#1	1251.	2538.	4935.	12440.	98110.	48210.
#2	1255.	2540.	4904.	12440.	97530.	48280.
#3	1255.	2538.	4940.	12420.	98370.	48040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121500.**	**4937.**	**122700.**	**2563.**	**7656.**	**1020.**
Stddev	476.	16.	287.	4.	6.	3.
%RSD	.3919	.3140	.2336	.1752	.0763	.2472
#1	121500.	4940.	122900.	2558.	7656.	1022.
#2	121000.	4920.	122800.	2564.	7651.	1021.
#3	122000.	4951.	122400.	2567.	7662.	1017.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 11:56:01 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2534.**	**2541.**	**2459.**	**2516.**	**1031.**	**2468.**
Stddev	11.	3.	7.	8.	2.	2.
%RSD	.4285	.1057	.3018	.3211	.1795	.0871
#1	2532.	2538.	2463.	2510.	1030.	2466.
#2	2545.	2543.	2450.	2514.	1033.	2470.
#3	2524.	2542.	2463.	2525.	1029.	2469.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1009.**	**5030.**	**9975.**	**10180.**
Stddev	1.	21.	20.	22.
%RSD	.0975	.4135	.2034	.2132
#1	1009.	5007.	9984.	10160.
#2	1009.	5039.	9952.	10200.
#3	1010.	5046.	9990.	10190.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4861.8**	**28775.**	**4630.2**
Stddev	5.0	79.	13.4
%RSD	.10193	.27285	.28930
#1	4863.4	28776.	4614.8
#2	4856.2	28853.	4636.7
#3	4865.7	28696.	4639.0

Sample Name: CCB Acquired: 8/23/2016 11:59:35 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.891**	**-2.663**	**.6274**	**.0595**	**-.0274**	**12.74**
Stddev	4.757	1.705	.2112	.0990	.2046	3.14
%RSD	122.3	64.02	33.66	166.4	747.2	24.66
#1	8.728	-.8412	.7605	.1489	.2069	13.53
#2	3.726	-4.220	.3839	.0764	-.1180	9.275
#3	-.7820	-2.928	.7379	-.0469	-.1711	15.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0695**	**.0195**	**.2185**	**.5214**	**.8231**	**.2072**
Stddev	.0768	.0599	.4807	.4281	4.144	31.84
%RSD	110.5	306.6	220.0	82.11	503.5	15370.
#1	.0184	.0578	.2901	1.016	-3.357	36.89
#2	-.1237	.0502	-.2941	.2623	.8956	-20.28
#3	-.1031	-.0495	.6594	.2863	4.931	-15.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3360**	**.1066**	**34.40**	**-.0105**	**2.989**	**.1409**
Stddev	2.416	.0577	3.05	.1108	1.695	.8706
%RSD	719.0	54.14	8.862	1059.	56.69	617.7
#1	.5753	.1507	32.61	.0219	2.934	-.7425
#2	1.492	.1279	37.92	.0806	4.710	.1672
#3	-3.075	.0413	32.67	-.1338	1.323	.9981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 11:59:35 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.486**	**-2.131**	**.3034**	**.2033**	**1.860**	**.6938**
Stddev	1.302	.859	.3089	.1908	.885	.4303
%RSD	87.62	40.33	101.8	93.81	47.60	62.03
#1	-2.955	-3.056	-.0071	.2964	2.855	1.166
#2	-1.024	-1.978	.3066	.3297	1.563	.5923
#3	-.4778	-1.358	.6106	-.0161	1.161	.3232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1730**	**.1290**	**.2072**	**13.17**
Stddev	.4103	.1698	.0910	6.07
%RSD	237.2	131.7	43.91	46.06
#1	.0317	.3077	.2964	19.79
#2	-.1481	.1095	.2109	11.85
#3	.6352	-.0303	.1145	7.875
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5253.5**	**31376.**	**4728.7**
Stddev	20.7	288.	18.8
%RSD	.39315	.91721	.39763
#1	5229.9	31115.	4707.2
#2	5262.4	31327.	4736.7
#3	5268.2	31684.	4742.2

Sample Name: CCVL Acquired: 8/23/2016 12:03:37 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**191.5**	**11.85**	**9.923**	**207.5**	**1.806**	**4697.**
Stddev	6.4	.70	.206	.7	.113	11.
%RSD	3.338	5.915	2.077	.3188	6.241	.2260
#1	186.8	11.36	9.797	206.7	1.767	4696.
#2	188.9	12.65	9.810	207.8	1.933	4708.
#3	198.8	11.53	10.16	208.0	1.718	4687.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.166**	**52.22**	**10.41**	**24.43**	**180.9**	**4425.**
Stddev	.117	.43	.65	.28	10.8	23.
%RSD	2.801	.8312	6.288	1.131	5.944	.5297
#1	4.259	51.73	9.655	24.64	192.3	4398.
#2	4.204	52.39	10.79	24.52	179.5	4437.
#3	4.035	52.54	10.78	24.11	171.0	4441.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4781.**	**15.44**	**4382.**	**42.47**	**12.25**	**18.69**
Stddev	23.	.13	26.	.36	.71	.74
%RSD	.4914	.8684	.5914	.8572	5.793	3.965
#1	4754.	15.29	4352.	42.66	13.07	18.51
#2	4794.	15.53	4398.	42.05	11.92	19.51
#3	4795.	15.50	4395.	42.70	11.77	18.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 12:03:37 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.20**	**20.43**	**48.56**	**32.86**	**50.39**	**19.24**
Stddev	3.22	1.92	.46	.27	.26	.40
%RSD	15.17	9.412	.9469	.8337	.5102	2.080
#1	17.99	18.53	48.13	32.58	50.64	18.79
#2	24.42	22.37	48.52	32.87	50.13	19.54
#3	21.20	20.40	49.04	33.13	50.39	19.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**50.18**	**19.84**	**20.69**	F **24.23**
Stddev	.36	.16	.17	22.59
%RSD	.7122	.8040	.8255	93.24
#1	49.84	19.66	20.50	17.26
#2	50.16	19.91	20.75	49.48
#3	50.55	19.95	20.82	5.945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5135.0**	**30849.**	**4809.6**
Stddev	4.8	62.	13.2
%RSD	.09318	.20088	.27356
#1	5139.7	30921.	4814.6
#2	5135.1	30821.	4819.6
#3	5130.1	30807.	4794.7

Sample Name: 460-118607-b-27-a@4 Acquired: 8/23/2016 12:07:36 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1759.**	**.4855**	**1.091**	**5.555**	**-.3764**	**200.0**
Stddev	6.	.7665	.255	.188	.2030	4.7
%RSD	.3519	157.9	23.37	3.379	53.93	2.343
#1	1754.	1.094	1.066	5.531	-.2383	195.9
#2	1757.	-.3753	.8489	5.381	-.2814	205.1
#3	1766.	.7378	1.357	5.754	-.6094	199.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1081**	**.3094**	**17.46**	**2.119**	**6557.**	**71.64**
Stddev	.0871	.1206	.76	.120	14.	43.71
%RSD	80.56	38.97	4.353	5.673	.2125	61.02
#1	-.0738	.2441	17.39	2.254	6541.	88.65
#2	-.2072	.2355	18.25	2.078	6564.	21.98
#3	-.0434	.4485	16.74	2.024	6567.	104.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**129.0**	**9.661**	**18.15**	**1.038**	**15.30**	**-.3988**
Stddev	7.2	.148	14.09	.678	1.34	1.027
%RSD	5.582	1.537	77.65	65.34	8.773	257.7
#1	129.9	9.590	22.12	.3160	15.89	.5554
#2	135.7	9.562	29.82	1.136	16.24	-1.487
#3	121.4	9.832	2.497	1.662	13.76	-.2653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118607-b-27-a@4 Acquired: 8/23/2016 12:07:36 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5981**	**-1.291**	**16.55**	**4.532**	**1.263**	**.8127**
Stddev	2.676	1.906	.32	.062	.192	.2877
%RSD	447.3	147.7	1.918	1.361	15.22	35.41
#1	-1.754	-.4767	16.37	4.580	1.455	.9567
#2	3.509	.0735	16.92	4.553	1.263	1.0000
#3	.0391	-3.469	16.37	4.462	1.071	.4814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.592**	**1.416**	**369.9**	**527.0**
Stddev	.461	.125	.6	11.9
%RSD	6.076	8.845	.1629	2.259
#1	7.915	1.533	370.6	517.3
#2	7.064	1.430	369.5	540.3
#3	7.797	1.284	369.6	523.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5153.8**	**30916.**	**4677.4**
Stddev	14.8	206.	31.7
%RSD	.28760	.66481	.67683
#1	5142.7	30680.	4641.1
#2	5148.0	31053.	4699.6
#3	5170.6	31017.	4691.4

Sample Name: 460-118411-c-12-a@4 Acquired: 8/23/2016 12:11:35 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**61110.**	**17.70**	**3.733**	**367.5**	**-.5958**	**42010.**
Stddev	1477.	1.27	.607	2.2	.1192	696.
%RSD	2.417	7.171	16.27	.5943	20.01	1.658
#1	59410.	19.09	3.417	365.1	-.5207	41320.
#2	62020.	16.61	3.348	368.0	-.5334	42710.
#3	61910.	17.39	4.433	369.4	-.7333	41990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.130**	**60.70**	**136.6**	**275.0**	**123400.**	**6141.**
Stddev	.118	.68	3.1	6.1	1943.	175.
%RSD	3.756	1.114	2.274	2.221	1.575	2.857
#1	3.044	59.92	133.1	268.1	121300.	5943.
#2	3.083	61.04	139.0	277.4	125200.	6204.
#3	3.264	61.15	137.6	279.6	123800.	6276.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33300.**	**2436.**	**2453.**	**150.9**	**295.7**	**5.898**
Stddev	545.	36.	66.	2.1	5.6	1.912
%RSD	1.636	1.485	2.673	1.415	1.907	32.41
#1	32740.	2397.	2377.	148.5	289.3	8.105
#2	33830.	2468.	2490.	152.4	299.5	4.738
#3	33330.	2443.	2491.	151.9	298.4	4.851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118411-c-12-a@4 Acquired: 8/23/2016 12:11:35 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6007**	**-2.580**	**383.9**	**741.5**	**106.9**	**6.159**
Stddev	1.608	1.277	7.3	4.2	.9	.248
%RSD	267.7	49.52	1.899	.5707	.8592	4.023
#1	-.5770	-3.102	375.5	737.3	105.8	6.321
#2	-2.220	-3.513	388.4	741.5	107.3	6.283
#3	.9953	-1.124	387.8	745.7	107.5	5.874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.04**	**160.7**	**3938.**	**1667.**
Stddev	1.42	3.9	59.	28.
%RSD	12.87	2.417	1.490	1.707
#1	11.37	156.2	3870.	1637.
#2	9.478	162.4	3975.	1693.
#3	12.26	163.4	3968.	1671.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5253.2**	**31548.**	**4922.0**
Stddev	28.8	326.	95.7
%RSD	.54769	1.0321	1.9439
#1	5283.9	31919.	5010.8
#2	5226.9	31309.	4820.7
#3	5248.7	31416.	4934.5

Sample Name: 460-118411-c-14-a@4 Acquired: 8/23/2016 12:15:26 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**63680.**	**5.992**	**4.431**	**358.5**	**-1.545**	**41430.**
Stddev	279.	1.872	.273	13.9	.057	429.
%RSD	.4381	31.24	6.153	3.882	3.697	1.035
#1	63940.	7.345	4.243	366.6	-1.498	40950.
#2	63730.	6.776	4.743	366.4	-1.529	41580.
#3	63380.	3.856	4.306	342.4	-1.609	41760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.877**	**67.24**	**158.6**	**456.8**	**146900.**	**4175.**
Stddev	1.373	3.06	2.2	.5	713.	29.
%RSD	19.96	4.551	1.360	.1007	.4851	.6832
#1	7.781	69.04	156.5	457.3	146100.	4201.
#2	7.553	68.96	158.6	456.4	147200.	4179.
#3	5.297	63.70	160.8	456.7	147400.	4145.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33990.**	**1982.**	**4789.**	**175.8**	**512.6**	**3.728**
Stddev	193.	11.	29.	7.4	21.6	1.068
%RSD	.5679	.5471	.6155	4.184	4.203	28.66
#1	33780.	1970.	4823.	179.9	527.0	4.524
#2	34050.	1987.	4775.	180.1	523.1	4.145
#3	34150.	1989.	4770.	167.3	487.9	2.514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118411-c-14-a@4 Acquired: 8/23/2016 12:15:26 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9631**	**-1.923**	**290.2**	**894.1**	**159.6**	**12.38**
Stddev	3.457	3.501	1.5	35.8	7.0	.70
%RSD	359.0	182.1	.5298	3.998	4.374	5.626
#1	-4.844	-5.406	288.4	917.8	164.2	13.15
#2	.1680	-1.956	291.2	911.6	163.0	12.19
#3	1.787	1.595	291.0	853.0	151.6	11.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.52**	**166.2**	**4693.**	**1257.**
Stddev	.80	1.0	6.	45.
%RSD	5.182	.6002	.1290	3.548
#1	16.36	167.2	4694.	1269.
#2	15.44	166.2	4698.	1295.
#3	14.76	165.2	4686.	1208.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5219.0**	**31030.**	**4878.7**
Stddev	174.6	131.	45.4
%RSD	3.3445	.42301	.93087
#1	5104.8	30954.	4833.8
#2	5132.4	30955.	4877.7
#3	5420.0	31182.	4924.6

Sample Name: 460-118811-a-1-a@4 Acquired: 8/23/2016 12:19:17 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**83780.**	**26.40**	**4.671**	**583.1**	**4.582**	**123600.**
Stddev	137.	1.15	.393	.9	.237	1459.
%RSD	.1636	4.363	8.420	.1488	5.170	1.180
#1	83800.	25.95	4.420	584.1	4.822	125300.
#2	83910.	27.71	4.468	582.6	4.349	123100.
#3	83640.	25.55	5.124	582.6	4.576	122500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.397**	**84.12**	**207.2**	**155.7**	**173600.**	**13430.**
Stddev	.399	.13	.5	2.0	1554.	75.
%RSD	16.65	.1546	.2209	1.313	.8948	.5581
#1	2.007	84.07	207.5	153.8	175400.	13370.
#2	2.379	84.03	207.4	155.6	173000.	13510.
#3	2.805	84.27	206.7	157.9	172500.	13410.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51790.**	**4019.**	**4143.**	**147.7**	**277.7**	**1.907**
Stddev	476.	36.	21.	.5	2.7	.986
%RSD	.9184	.8842	.5132	.3619	.9714	51.67
#1	52330.	4059.	4124.	147.9	280.4	2.642
#2	51530.	4005.	4166.	148.0	275.0	.7873
#3	51490.	3993.	4139.	147.0	277.7	2.293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118811-a-1-a@4 Acquired: 8/23/2016 12:19:17 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.353**	**-.8607**	**309.3**	**537.5**	**37.34**	**4.609**
Stddev	3.745	.5040	1.2	4.1	.73	.400
%RSD	69.96	58.55	.3905	.7653	1.966	8.667
#1	-2.142	-1.369	308.5	542.2	37.97	4.752
#2	-9.467	-.3615	308.8	535.2	36.53	4.157
#3	-4.451	-.8513	310.7	535.0	37.52	4.917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**13.55**	**953.0**	**1884.**	**1400.**
Stddev	1.02	2.2	7.	18.
%RSD	7.528	.2289	.3657	1.293
#1	14.14	955.4	1892.	1393.
#2	14.13	952.3	1880.	1387.
#3	12.37	951.2	1881.	1421.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5159.1**	**30646.**	**4838.7**
Stddev	10.3	220.	53.2
%RSD	.19977	.71820	1.1002
#1	5166.0	30391.	4810.9
#2	5164.1	30776.	4805.1
#3	5147.3	30769.	4900.1

Sample Name: 460-118812-a-1-a@4 Acquired: 8/23/2016 12:23:06 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49060.**	**7.652**	**2.034**	**192.3**	**1.749**	**9470.**
Stddev	2108.	2.278	.140	11.9	.193	719.
%RSD	4.297	29.77	6.900	6.193	11.04	7.596
#1	50540.	9.248	2.143	186.1	1.925	9983.
#2	49990.	5.043	1.875	184.6	1.779	9779.
#3	46650.	8.665	2.083	206.0	1.543	8648.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5351**	**34.61**	**99.17**	**30.12**	**54160.**	**2265.**
Stddev	1.165	2.18	7.72	2.12	4079.	145.
%RSD	217.7	6.289	7.784	7.024	7.533	6.421
#1	-.2478	33.46	103.9	31.20	56860.	2311.
#2	-.0207	33.26	103.4	31.48	56150.	2381.
#3	1.874	37.12	90.26	27.69	49470.	2102.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10780.**	**3914.**	**3791.**	**49.92**	**24.17**	**-.4917**
Stddev	831.	297.	130.	3.85	2.36	.6343
%RSD	7.704	7.583	3.429	7.703	9.749	129.0
#1	11300.	4107.	3851.	47.72	21.47	-1.220
#2	11220.	4063.	3880.	47.68	25.82	-.0571
#3	9821.	3572.	3642.	54.36	25.22	-.1984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118812-a-1-a@4 Acquired: 8/23/2016 12:23:06 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.467**	**-5.833**	**135.1**	**96.20**	**5.300**	**1.641**
Stddev	2.488	2.199	9.3	5.92	.885	.243
%RSD	169.6	37.70	6.897	6.154	16.70	14.80
#1	-1.314	-3.356	140.3	92.86	4.542	1.445
#2	3.483	-7.557	140.6	92.71	5.085	1.913
#3	2.233	-6.586	124.3	103.0	6.273	1.566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.140**	**68.97**	**856.7**	**1285.**
Stddev	1.749	2.38	63.8	88.
%RSD	24.50	3.450	7.445	6.857
#1	6.675	69.84	893.2	1213.
#2	5.670	70.79	893.9	1260.
#3	9.074	66.28	783.1	1384.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5080.6**	**31880.**	**4764.8**
Stddev	251.0	1922.	263.3
%RSD	4.9396	6.0297	5.5263
#1	5206.0	30670.	4509.7
#2	5244.2	30875.	4749.1
#3	4791.7	34097.	5035.6

Sample Name: 460-118911-d-3-a@4 Acquired: 8/23/2016 12:27:00 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127600.**	**7.718**	**4.127**	**659.6**	**3.401**	**69990.**
Stddev	1366.	1.093	.650	11.9	.065	1885.
%RSD	1.070	14.17	15.76	1.811	1.912	2.693
#1	129200.	8.627	4.234	667.3	3.476	71980.
#2	126800.	6.505	4.717	665.6	3.367	69760.
#3	126800.	8.020	3.429	645.8	3.361	68230.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.958**	**71.92**	**147.6**	**217.9**	**144000.**	**31150.**
Stddev	.410	1.37	3.2	2.3	3123.	221.
%RSD	20.95	1.907	2.145	1.035	2.168	.7092
#1	1.518	72.04	150.8	215.8	147200.	31400.
#2	2.330	73.22	147.4	220.3	143900.	31030.
#3	2.027	70.49	144.5	217.5	140900.	31010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37090.**	**2546.**	**8252.**	**139.3**	**2346.**	**.0052**
Stddev	814.	52.	49.	3.3	36.	.9200
%RSD	2.194	2.047	.5916	2.354	1.550	17560.
#1	37900.	2599.	8301.	141.0	2365.	-.9676
#2	37110.	2545.	8203.	141.3	2368.	.1221
#3	36270.	2494.	8251.	135.5	2304.	.8612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118911-d-3-a@4 Acquired: 8/23/2016 12:27:00 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.807**	**-.0893**	**196.3**	**454.1**	**9.857**	**1.078**
Stddev	4.715	1.948	1.3	9.0	.378	.188
%RSD	123.8	2182.	.6859	1.974	3.829	17.44
#1	-1.817	-2.026	197.2	461.1	9.863	1.243
#2	-.4141	-.1109	197.0	457.1	10.23	1.117
#3	-9.191	1.869	194.8	444.0	9.477	.8735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**12.97**	**221.5**	**7389.**	**1928.**
Stddev	.53	1.2	102.	23.
%RSD	4.096	.5362	1.379	1.212
#1	13.56	222.8	7471.	1903.
#2	12.83	220.6	7421.	1949.
#3	12.53	221.0	7275.	1932.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5204.0**	**31005.**	**4888.5**
Stddev	79.9	620.	159.7
%RSD	1.5347	1.9997	3.2664
#1	5154.9	30352.	4704.4
#2	5161.0	31078.	4973.3
#3	5296.2	31586.	4988.0

Sample Name: 460-118938-c-3-a@4 Acquired: 8/23/2016 12:30:49 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53040.**	**11.57**	**1.910**	**637.2**	**2.423**	**6897.**
Stddev	1267.	2.60	.329	.5	.176	52.
%RSD	2.389	22.48	17.19	.0759	7.262	.7477
#1	51580.	12.07	2.091	637.1	2.220	6908.
#2	53890.	13.88	1.531	636.7	2.523	6942.
#3	53640.	8.750	2.109	637.7	2.527	6841.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6325**	**33.43**	**99.03**	**93.95**	**66440.**	**3173.**
Stddev	.2559	.30	1.15	1.87	347.	63.
%RSD	40.46	.8890	1.163	1.994	.5226	1.976
#1	.7213	33.76	97.92	91.79	66260.	3106.
#2	.3440	33.17	98.97	95.17	66840.	3230.
#3	.8322	33.37	100.2	94.89	66220.	3184.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6669.**	**709.6**	**1057.**	**57.31**	**125.0**	**-.5835**
Stddev	46.	3.9	36.	.71	.7	2.224
%RSD	.6886	.5476	3.384	1.231	.5662	381.2
#1	6616.	705.5	1018.	56.88	124.2	1.893
#2	6692.	713.2	1063.	56.92	125.5	-2.412
#3	6698.	710.2	1089.	58.12	125.3	-1.232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118938-c-3-a@4 Acquired: 8/23/2016 12:30:49 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2130**	**-4.784**	**85.45**	**256.2**	**9.566**	**3.834**
Stddev	5.494	2.676	1.30	1.3	.206	.300
%RSD	2579.	55.94	1.520	.5224	2.149	7.819
#1	1.703	-4.404	83.96	256.3	9.757	3.501
#2	-6.408	-7.630	86.01	257.6	9.348	4.084
#3	4.066	-2.318	86.37	254.9	9.593	3.916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.036**	**57.54**	**843.4**	**1115.**
Stddev	.828	1.65	8.2	22.
%RSD	9.158	2.862	.9780	1.975
#1	8.666	55.64	834.0	1090.
#2	8.459	58.58	849.1	1132.
#3	9.984	58.40	847.2	1123.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5402.2**	**32654.**	**5073.2**
Stddev	14.9	43.	25.9
%RSD	.27629	.13242	.50990
#1	5396.5	32670.	5070.4
#2	5419.1	32605.	5048.8
#3	5391.0	32687.	5100.3

Sample Name: 460-118944-a-3-a@4 Acquired: 8/23/2016 12:34:41 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**57170.**	**20.78**	**3.805**	**267.1**	**1.013**	**8257.**
Stddev	1515.	.44	.133	.7	.093	158.
%RSD	2.649	2.111	3.494	.2460	9.175	1.912
#1	55420.	20.28	3.680	266.4	.9926	8083.
#2	57940.	21.04	3.945	267.7	.9321	8296.
#3	58140.	21.04	3.790	267.2	1.115	8391.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9670**	**30.18**	**129.9**	**53.13**	**107100.**	**5567.**
Stddev	.3821	.21	2.3	.51	1692.	197.
%RSD	39.52	.6827	1.791	.9681	1.580	3.535
#1	1.407	30.00	127.3	52.77	105200.	5342.
#2	.7776	30.14	131.6	52.91	107700.	5653.
#3	.7165	30.40	130.9	53.72	108400.	5706.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13700.**	**1026.**	**672.9**	**69.09**	**84.54**	**.3549**
Stddev	220.	15.	25.7	1.10	2.31	.9885
%RSD	1.605	1.469	3.825	1.590	2.735	278.6
#1	13450.	1009.	644.8	67.83	83.19	1.314
#2	13810.	1033.	695.4	69.62	87.21	.4105
#3	13850.	1037.	678.4	69.82	83.21	-.6603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-3-a@4 Acquired: 8/23/2016 12:34:41 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3349**	**-4.629**	**162.5**	**191.9**	**16.66**	**2.302**
Stddev	2.088	3.154	3.2	1.5	.07	.349
%RSD	623.4	68.14	1.955	.8044	.4455	15.18
#1	-1.928	-2.452	159.0	190.1	16.74	1.970
#2	-1.105	-8.247	163.3	193.1	16.60	2.666
#3	2.028	-3.189	165.1	192.3	16.63	2.269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.342**	**78.95**	**2490.**	**1186.**
Stddev	1.561	2.03	27.	32.
%RSD	18.72	2.575	1.099	2.679
#1	6.921	76.61	2458.	1150.
#2	10.01	80.22	2506.	1211.
#3	8.092	80.03	2506.	1197.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5354.6**	**32343.**	**5070.4**
Stddev	8.2	66.	85.1
%RSD	.15288	.20342	1.6792
#1	5349.0	32391.	5168.7
#2	5350.9	32371.	5019.5
#3	5364.0	32268.	5023.0

Sample Name: 460-118944-a-7-a@4 Acquired: 8/23/2016 12:38:34 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**76040.**	**32.82**	**3.805**	**360.3**	**3.695**	**4432.**
Stddev	218.	.49	.426	2.5	.241	2.
%RSD	.2865	1.479	11.21	.6879	6.524	.0472
#1	75990.	33.38	3.603	361.4	3.759	4434.
#2	75860.	32.53	4.295	362.1	3.898	4430.
#3	76280.	32.54	3.517	357.5	3.428	4433.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8243**	**32.73**	**183.3**	**216.3**	**127600.**	**5648.**
Stddev	.1002	.25	1.1	1.7	96.	61.
%RSD	12.15	.7640	.6039	.7651	.0754	1.072
#1	.8722	32.95	182.1	214.8	127600.	5633.
#2	.8915	32.46	183.5	215.9	127500.	5596.
#3	.7092	32.77	184.3	218.1	127700.	5715.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11460.**	**927.8**	**955.8**	**66.86**	**259.8**	**-.0726**
Stddev	97.	.8	24.0	.61	3.0	1.213
%RSD	.8427	.0893	2.513	.9197	1.166	1671.
#1	11390.	928.7	983.6	67.42	263.3	1.297
#2	11410.	927.0	942.3	66.97	257.6	-1.012
#3	11570.	927.8	941.6	66.20	258.5	-.5023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-7-a@4 Acquired: 8/23/2016 12:38:34 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7589**	**-1.653**	**179.3**	**316.8**	**22.34**	**4.818**
Stddev	.5215	2.972	1.1	2.1	.05	.262
%RSD	68.71	179.9	.6020	.6734	.2425	5.445
#1	.5792	-5.021	178.5	316.8	22.29	4.520
#2	1.347	.6026	179.0	319.0	22.33	5.015
#3	.3511	-.5397	180.5	314.7	22.40	4.918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**12.82**	**53.90**	**2216.**	**1382.**
Stddev	.62	.11	2.	8.
%RSD	4.858	.2047	.0983	.5885
#1	13.27	53.78	2218.	1385.
#2	13.08	53.92	2216.	1388.
#3	12.11	54.00	2214.	1373.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5265.5**	**31590.**	**4918.7**
Stddev	42.5	31.	27.1
%RSD	.80788	.09922	.55102
#1	5237.9	31611.	4950.0
#2	5244.1	31604.	4902.5
#3	5314.5	31554.	4903.5

Sample Name: 460-118944-a-8-a@4 Acquired: 8/23/2016 12:42:25 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**74160.**	**25.75**	**3.687**	**252.6**	**1.597**	**4904.**
Stddev	1544.	1.44	.317	1.0	.133	14.
%RSD	2.082	5.581	8.603	.3850	8.334	.2859
#1	72380.	27.35	3.515	251.6	1.639	4888.
#2	74900.	25.32	4.054	253.5	1.705	4912.
#3	75180.	24.57	3.494	252.8	1.449	4913.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8137**	**56.26**	**133.7**	**76.48**	**119800.**	**5179.**
Stddev	.0197	.47	1.3	1.45	491.	116.
%RSD	2.422	.8337	.9712	1.899	.4095	2.240
#1	.7944	55.78	132.9	74.94	119200.	5046.
#2	.8338	56.26	133.0	76.68	120100.	5259.
#3	.8130	56.72	135.2	77.83	120100.	5230.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12840.**	**1052.**	**403.5**	**67.07**	**112.0**	**.0838**
Stddev	117.	6.	7.3	.72	1.7	1.506
%RSD	.9111	.6027	1.817	1.068	1.484	1797.
#1	12710.	1045.	410.4	67.04	110.5	-.0495
#2	12880.	1056.	395.8	67.80	111.7	1.652
#3	12930.	1055.	404.2	66.37	113.8	-1.351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-8-a@4 Acquired: 8/23/2016 12:42:25 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9234**	**-4.771**	**190.1**	**209.1**	**23.24**	**3.108**
Stddev	2.060	1.323	2.3	.8	.35	.280
%RSD	223.1	27.74	1.213	.3957	1.485	9.016
#1	.3262	-3.413	187.4	209.7	22.95	2.832
#2	3.216	-4.842	191.1	208.2	23.15	3.098
#3	-.7723	-6.057	191.7	209.4	23.62	3.392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**28.48**	**53.02**	**2612.**	**1244.**
Stddev	.67	1.34	25.	36.
%RSD	2.369	2.521	.9440	2.873
#1	28.71	51.48	2584.	1205.
#2	29.01	53.88	2626.	1253.
#3	27.72	53.71	2627.	1275.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5280.9**	**31989.**	**4991.3**
Stddev	15.6	84.	38.7
%RSD	.29560	.26271	.77590
#1	5298.7	32086.	5034.4
#2	5274.3	31951.	4959.2
#3	5269.7	31931.	4980.4

Sample Name: CCV Acquired: 8/23/2016 12:46:19 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121200.**	**2614.**	**1228.**	**10200.**	**998.4**	**120700.**
Stddev	937.	2.	5.	22.	10.6	347.
%RSD	.7730	.0719	.3947	.2114	1.061	.2879
#1	122200.	2616.	1233.	10220.	1010.	120400.
#2	121100.	2612.	1224.	10190.	994.6	120600.
#3	120300.	2616.	1226.	10190.	990.3	121100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1261.**	**2589.**	**4957.**	**12360.**	**98060.**	**48570.**
Stddev	2.	5.	15.	79.	189.	197.
%RSD	.1224	.1898	.2962	.6358	.1928	.4063
#1	1262.	2595.	4954.	12450.	98180.	48800.
#2	1260.	2585.	4944.	12330.	97840.	48440.
#3	1259.	2587.	4973.	12310.	98160.	48480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121500.**	**4909.**	**122900.**	**2596.**	**7763.**	**1043.**
Stddev	228.	9.	1278.	7.	7.	4.
%RSD	.1877	.1770	1.040	.2608	.0863	.3461
#1	121700.	4918.	124200.	2603.	7769.	1039.
#2	121300.	4900.	122800.	2594.	7764.	1046.
#3	121600.	4910.	121700.	2590.	7756.	1044.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 12:46:19 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2573.**	**2559.**	**2470.**	**2563.**	**1054.**	**2477.**
Stddev	4.	16.	1.	3.	1.	3.
%RSD	.1569	.6380	.0553	.1204	.1142	.1336
#1	2574.	2577.	2471.	2560.	1055.	2481.
#2	2569.	2555.	2469.	2562.	1055.	2474.
#3	2577.	2545.	2469.	2566.	1053.	2476.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1025.**	**5045.**	**9937.**	**10210.**
Stddev	2.	45.	31.	95.
%RSD	.2079	.9014	.3086	.9331
#1	1023.	5089.	9972.	10310.
#2	1025.	5048.	9919.	10120.
#3	1027.	4998.	9919.	10200.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4820.5**	**28958.**	**4628.8**
Stddev	30.7	234.	27.5
%RSD	.63624	.80835	.59473
#1	4785.5	28700.	4599.5
#2	4842.8	29156.	4654.1
#3	4833.1	29017.	4632.7

Sample Name: CCB Acquired: 8/23/2016 12:49:54 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.03**	**-2.368**	**.9287**	**.0162**	**-.1089**	**8.679**
Stddev	2.47	1.520	.2429	.0338	.2642	4.623
%RSD	17.61	64.20	26.15	208.0	242.7	53.27
#1	16.11	-.6486	.9216	.0053	.1685	11.67
#2	14.67	-3.534	.6894	.0541	-.3577	11.02
#3	11.30	-2.921	1.175	-.0107	-.1374	3.354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0219**	**-.0279**	**.1877**	**.9886**	**11.13**	**34.38**
Stddev	.0675	.0226	.6120	.1563	4.37	8.02
%RSD	307.9	81.05	326.0	15.81	39.22	23.34
#1	-.0528	-.0036	.0324	.8691	6.857	41.57
#2	.0783	-.0483	-.3316	1.166	10.96	25.72
#3	.0403	-.0319	.8624	.9312	15.58	35.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.985**	**.0489**	**26.87**	**-.1415**	**.6307**	**-.8586**
Stddev	2.074	.0852	25.78	.6269	1.104	.5859
%RSD	52.05	174.2	95.96	443.1	175.1	68.24
#1	-6.250	.1442	56.56	.5756	-.6318	-.1880
#2	-3.527	.0224	10.12	-.5856	1.418	-1.116
#3	-2.178	-.0199	13.93	-.4144	1.106	-1.272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 12:49:54 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.374**	**.0049**	**.0511**	**.3560**	**1.794**	**.5813**
Stddev	1.687	2.909	.6135	.0645	.553	.5385
%RSD	122.8	58960.	1202.	18.13	30.81	92.63
#1	2.690	2.845	-.6443	.4076	2.048	1.157
#2	1.960	-2.969	.2813	.3767	2.173	.4960
#3	-.5280	.1389	.5161	.2836	1.160	.0906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0865**	**.0608**	**.2398**	**18.07**
Stddev	.4432	.0902	.1695	10.76
%RSD	512.3	148.4	70.66	59.58
#1	.4902	.1065	.4346	21.24
#2	.1572	-.0431	.1590	26.88
#3	-.3878	.1190	.1259	6.070
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5148.2**	**31155.**	**4725.8**
Stddev	21.3	78.	34.6
%RSD	.41450	.25084	.73129
#1	5161.0	31243.	4740.7
#2	5160.0	31095.	4686.3
#3	5123.5	31126.	4750.4

Sample Name: CCVL Acquired: 8/23/2016 12:53:56 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**186.5**	**13.05**	**9.884**	**204.2**	**1.739**	**4724.**
Stddev	5.7	.31	.644	.5	.102	47.
%RSD	3.064	2.385	6.520	.2580	5.859	.9859
#1	185.7	12.92	9.606	204.7	1.621	4680.
#2	192.6	13.40	9.425	203.6	1.797	4718.
#3	181.3	12.82	10.62	204.3	1.798	4773.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.042**	**51.63**	**10.06**	**24.17**	**181.9**	**4431.**
Stddev	.065	.25	.61	.47	2.4	48.
%RSD	1.605	.4926	6.056	1.933	1.319	1.072
#1	3.975	51.33	9.422	24.43	184.4	4388.
#2	4.048	51.78	10.64	24.45	179.6	4424.
#3	4.104	51.77	10.13	23.63	181.6	4482.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4768.**	**15.18**	**4370.**	**42.13**	**12.46**	**17.21**
Stddev	57.	.21	12.	.61	1.78	1.61
%RSD	1.204	1.361	.2778	1.439	14.33	9.363
#1	4717.	14.98	4370.	41.43	11.58	15.73
#2	4756.	15.17	4358.	42.43	11.28	18.92
#3	4830.	15.39	4383.	42.53	14.51	16.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 12:53:56 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.91**	**19.99**	**48.57**	**33.29**	**49.76**	**18.83**
Stddev	3.79	2.61	.88	.25	.31	.40
%RSD	20.03	13.05	1.819	.7453	.6297	2.116
#1	21.94	22.95	47.58	33.14	50.04	19.28
#2	14.66	18.95	48.85	33.15	49.42	18.67
#3	20.11	18.06	49.28	33.58	49.83	18.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**49.20**	**19.62**	**20.25**	F **10.70**
Stddev	.68	.16	.19	7.83
%RSD	1.380	.7935	.9200	73.14
#1	48.93	19.52	20.37	19.42
#2	49.98	19.80	20.04	4.281
#3	48.71	19.54	20.34	8.402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5165.5**	**30754.**	**4681.1**
Stddev	52.6	323.	27.6
%RSD	1.0183	1.0507	.59032
#1	5111.6	30606.	4649.8
#2	5168.1	30532.	4691.5
#3	5216.7	31125.	4702.0

Sample Name: 460-118944-a-9-a@4 Acquired: 8/23/2016 12:58:20 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**84610.**	**36.63**	**5.356**	**264.4**	**2.883**	**5538.**
Stddev	1715.	1.26	.332	1.0	.117	86.
%RSD	2.027	3.450	6.195	.3792	4.069	1.556
#1	86530.	37.78	5.133	263.6	3.010	5610.
#2	83250.	36.84	5.737	264.0	2.779	5443.
#3	84040.	35.28	5.197	265.5	2.860	5561.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.485**	**46.95**	**159.2**	**74.27**	**169900.**	**5603.**
Stddev	.470	.22	2.4	1.84	2468.	82.
%RSD	31.64	.4721	1.488	2.479	1.453	1.455
#1	1.031	47.07	160.2	73.64	171400.	5690.
#2	1.969	47.09	156.5	72.83	167000.	5528.
#3	1.454	46.70	160.9	76.34	171100.	5591.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13880.**	**1283.**	**377.5**	**73.07**	**159.0**	**-1.651**
Stddev	273.	18.	14.2	.74	.6	1.547
%RSD	1.967	1.388	3.761	1.006	.3932	93.75
#1	13920.	1293.	393.3	73.89	158.6	.0532
#2	13590.	1262.	365.7	72.83	158.6	-2.036
#3	14130.	1293.	373.6	72.47	159.7	-2.969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-9-a@4 Acquired: 8/23/2016 12:58:20 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7880**	**-2.566**	**213.2**	**225.8**	**19.89**	**5.033**
Stddev	2.124	1.808	4.1	.6	.28	.314
%RSD	269.5	70.46	1.905	.2684	1.414	6.241
#1	-3.143	-3.633	214.7	225.1	19.69	5.396
#2	-.2048	-.4784	208.5	225.9	20.21	4.858
#3	.9835	-3.585	216.2	226.3	19.76	4.845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.19**	**59.13**	**2639.**	**1425.**
Stddev	.93	1.14	36.	33.
%RSD	9.127	1.930	1.347	2.308
#1	11.20	60.45	2660.	1448.
#2	9.359	58.39	2598.	1440.
#3	10.02	58.56	2659.	1388.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5197.1**	**31506.**	**4843.8**
Stddev	7.7	288.	84.1
%RSD	.14815	.91369	1.7365
#1	5190.3	31298.	4755.1
#2	5195.6	31835.	4922.5
#3	5205.5	31385.	4853.8

Sample Name: 460-118944-a-13-a@4 Acquired: 8/23/2016 13:02:11 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**75670.**	**24.42**	**3.644**	**361.7**	**1.552**	**9521.**
Stddev	1003.	1.60	.123	.2	.088	83.
%RSD	1.326	6.547	3.379	.0420	5.674	.8700
#1	74510.	22.61	3.560	361.7	1.653	9431.
#2	76240.	25.02	3.786	361.8	1.493	9595.
#3	76260.	25.64	3.587	361.5	1.509	9537.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5773**	**35.97**	**145.1**	**62.05**	**114800.**	**6600.**
Stddev	.1604	.15	1.4	.63	559.	101.
%RSD	27.79	.4120	.9375	1.022	.4868	1.530
#1	.7613	36.11	143.6	62.79	114200.	6486.
#2	.5037	35.82	146.2	61.67	115300.	6637.
#3	.4669	35.97	145.5	61.71	115000.	6678.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14480.**	**2311.**	**461.7**	**74.64**	**154.0**	**2.199**
Stddev	73.	9.	23.3	.41	.8	1.061
%RSD	.5053	.3920	5.056	.5448	.5453	48.24
#1	14400.	2301.	436.4	74.70	154.9	2.906
#2	14520.	2318.	466.4	74.21	153.3	2.712
#3	14530.	2314.	482.4	75.02	153.8	.9792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-13-a@4 Acquired: 8/23/2016 13:02:11 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.686**	**-2.391**	**178.9**	**213.9**	**20.64**	**4.046**
Stddev	1.171	3.875	1.4	2.0	.13	.416
%RSD	43.60	162.1	.7672	.9569	.6351	10.29
#1	-1.838	-6.254	177.4	211.8	20.62	4.514
#2	-4.022	-2.414	179.8	214.0	20.78	3.718
#3	-2.198	1.495	179.6	215.8	20.52	3.905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.03**	**65.64**	**2451.**	**1438.**
Stddev	.84	1.15	4.	7.
%RSD	7.627	1.754	.1598	.4647
#1	10.06	64.31	2446.	1431.
#2	11.62	66.30	2453.	1439.
#3	11.40	66.31	2452.	1444.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5327.2**	**31801.**	**4886.6**
Stddev	59.5	270.	17.8
%RSD	1.1169	.84854	.36457
#1	5258.6	31493.	4906.9
#2	5357.9	31911.	4879.6
#3	5365.0	31998.	4873.4

Sample Name: 460-118944-a-14-a@4 Acquired: 8/23/2016 13:06:03 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**73340.**	**24.58**	**4.059**	**244.8**	**1.013**	**4876.**
Stddev	565.	4.34	.502	.6	.119	47.
%RSD	.7699	17.67	12.38	.2470	11.73	.9702
#1	72690.	20.52	3.485	245.2	1.010	4837.
#2	73570.	29.16	4.419	245.2	.8955	4863.
#3	73740.	24.07	4.273	244.1	1.133	4929.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8731**	**38.91**	**145.2**	**47.09**	**120400.**	**4979.**
Stddev	.1562	.43	2.0	.59	1034.	29.
%RSD	17.89	1.116	1.358	1.251	.8591	.5737
#1	.9792	38.49	142.9	46.95	119500.	4957.
#2	.9463	39.36	146.1	47.74	120200.	4970.
#3	.6937	38.88	146.5	46.58	121500.	5011.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12090.**	**915.9**	**406.6**	**61.69**	**66.43**	**.2397**
Stddev	143.	5.6	12.5	.78	1.03	.7889
%RSD	1.182	.6093	3.080	1.260	1.549	329.1
#1	11960.	911.4	409.1	60.79	66.75	-.5737
#2	12070.	914.1	393.0	62.15	65.28	1.002
#3	12240.	922.1	417.7	62.14	67.27	.2913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-14-a@4 Acquired: 8/23/2016 13:06:03 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.744**	**-1.875**	**173.2**	**175.5**	**18.69**	**3.640**
Stddev	3.830	2.541	1.6	1.0	.47	.339
%RSD	219.6	135.5	.9127	.5501	2.520	9.318
#1	.9233	-4.752	171.5	174.4	18.89	3.431
#2	-.0230	-.9356	173.3	176.1	18.15	3.456
#3	-6.133	.0632	174.7	176.0	19.02	4.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.479**	**44.40**	**2062.**	**1461.**
Stddev	1.143	.19	7.	16.
%RSD	15.28	.4346	.3292	1.120
#1	6.339	44.20	2055.	1480.
#2	7.474	44.43	2062.	1450.
#3	8.625	44.58	2069.	1454.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5173.9**	**31435.**	**4908.9**
Stddev	8.4	106.	23.6
%RSD	.16223	.33813	.48116
#1	5164.5	31508.	4925.4
#2	5176.4	31485.	4919.4
#3	5180.8	31313.	4881.8

Sample Name: pds 460-118828-a-1-a Acquired: 8/23/2016 13:09:55 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**169400.**	**1916.**	**50.95**	**3297.**	**46.23**	**25510.**
Stddev	493.	8.	.36	7.	.04	165.
%RSD	.2909	.4014	.7146	.1981	.0807	.6462
#1	168900.	1908.	50.55	3291.	46.24	25360.
#2	169400.	1924.	51.26	3297.	46.26	25480.
#3	169900.	1916.	51.04	3304.	46.19	25690.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47.86**	**586.3**	**472.9**	**377.4**	**188600.**	**40680.**
Stddev	.29	1.9	1.8	1.7	907.	41.
%RSD	.6142	.3316	.3800	.4562	.4809	.1007
#1	47.67	584.0	471.7	379.3	187800.	40640.
#2	47.70	587.2	472.1	377.1	188300.	40720.
#3	48.20	587.6	475.0	375.9	189500.	40690.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51330.**	**3028.**	**17840.**	**602.9**	**572.6**	**461.8**
Stddev	179.	15.	20.	2.6	3.1	3.6
%RSD	.3480	.4812	.1125	.4261	.5477	.7706
#1	51170.	3013.	17820.	600.1	569.9	458.9
#2	51310.	3030.	17830.	603.5	571.9	460.7
#3	51520.	3042.	17860.	605.1	576.0	465.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118828-a-1-a Acquired: 8/23/2016 13:09:55 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1851.**	**1891.**	**862.6**	**745.3**	**479.6**	**464.3**
Stddev	16.	6.	3.8	1.2	3.9	2.4
%RSD	.8901	.3126	.4418	.1654	.8069	.5261
#1	1843.	1888.	858.6	745.0	475.3	461.6
#2	1840.	1898.	863.1	744.1	480.6	464.7
#3	1870.	1887.	866.2	746.6	482.9	466.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**487.4**	**516.1**	**9448.**	**1785.**
Stddev	1.3	1.6	27.	45.
%RSD	.2613	.3022	.2849	2.514
#1	486.2	515.0	9420.	1735.
#2	488.7	517.9	9449.	1798.
#3	487.2	515.5	9474.	1821.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5269.7**	**31241.**	**4955.4**
Stddev	15.8	282.	40.2
%RSD	.30034	.90384	.81096
#1	5254.0	30922.	4926.9
#2	5285.6	31458.	5001.4
#3	5269.4	31344.	4938.0

Sample Name: 460-118828-a-1-c ms Acquired: 8/23/2016 13:13:33 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**182500.**	**975.5**	**28.29**	**2336.**	**22.69**	**15710.**
Stddev	6908.	4.7	1.14	6.	.78	482.
%RSD	3.785	.4843	4.029	.2569	3.426	3.069
#1	174500.	980.6	27.02	2332.	21.89	15150.
#2	186300.	974.6	28.63	2343.	22.73	15940.
#3	186700.	971.3	29.23	2334.	23.45	16030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.15**	**355.6**	**342.9**	**269.2**	**180200.**	**31150.**
Stddev	.82	2.1	9.9	4.1	4873.	1136.
%RSD	3.122	.5823	2.885	1.528	2.705	3.647
#1	27.09	353.2	331.5	264.5	174600.	29840.
#2	25.62	356.9	348.5	272.3	182400.	31680.
#3	25.73	356.6	348.8	270.8	183500.	31920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41580.**	**2746.**	**9100.**	**377.8**	**334.9**	**66.92**
Stddev	1145.	70.	305.	3.7	3.9	1.21
%RSD	2.753	2.562	3.356	.9817	1.160	1.816
#1	40270.	2665.	8748.	373.7	330.5	67.37
#2	42130.	2778.	9270.	381.0	337.9	65.54
#3	42350.	2794.	9283.	378.5	336.3	67.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118828-a-1-c ms Acquired: 8/23/2016 13:13:33 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**937.6**	**970.1**	**612.5**	**511.3**	**236.4**	**228.9**
Stddev	3.5	6.2	13.7	10.2	.5	.8
%RSD	.3774	.6436	2.236	1.998	.2034	.3696
#1	940.6	964.0	597.0	499.8	236.9	228.3
#2	933.7	976.5	617.6	519.3	236.3	228.5
#3	938.5	969.8	622.9	514.8	235.9	229.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**234.1**	**282.2**	**9132.**	**2013.**
Stddev	1.9	9.7	175.	26.
%RSD	.8288	3.426	1.918	1.272
#1	232.0	271.1	8930.	1984.
#2	235.8	288.0	9227.	2030.
#3	234.4	287.6	9239.	2026.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5356.0**	**31958.**	**5117.5**
Stddev	50.0	269.	153.3
%RSD	.93321	.84231	2.9956
#1	5298.4	32256.	5292.3
#2	5387.9	31888.	5054.0
#3	5381.8	31731.	5006.1

Sample Name: 460-118828-a-1-b du Acquired: 8/23/2016 13:17:18 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**177200.**	**11.52**	**5.179**	**1380.**	**-1.131**	**8438.**
Stddev	5518.	1.97	.212	6.	.249	179.
%RSD	3.114	17.10	4.091	.4021	21.97	2.119
#1	170900.	13.60	5.147	1374.	-1.060	8231.
#2	180100.	9.678	5.405	1382.	-.9263	8544.
#3	180800.	11.29	4.985	1384.	-1.408	8538.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.582**	**103.4**	**267.4**	**150.0**	**193800.**	**23010.**
Stddev	.576	.3	5.6	2.5	4162.	730.
%RSD	22.30	.2475	2.108	1.689	2.148	3.173
#1	3.205	103.1	260.9	147.1	189000.	22160.
#2	2.472	103.6	270.9	151.2	196400.	23420.
#3	2.070	103.3	270.3	151.6	195900.	23440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34520.**	**2569.**	**573.9**	**127.9**	**93.24**	**1.340**
Stddev	744.	54.	25.9	.8	.62	1.390
%RSD	2.156	2.106	4.520	.6341	.6684	103.7
#1	33660.	2506.	552.8	126.9	92.57	2.754
#2	35000.	2602.	602.9	128.5	93.35	1.290
#3	34900.	2598.	566.0	128.1	93.80	-.0235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118828-a-1-b du Acquired: 8/23/2016 13:17:18 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.568**	**-3.227**	**401.1**	**264.5**	**5.211**	**5.760**
Stddev	1.004	1.158	7.6	2.5	.405	.231
%RSD	39.10	35.88	1.886	.9319	7.774	4.018
#1	-1.977	-2.035	392.3	261.8	5.582	5.947
#2	-3.728	-4.348	405.7	265.3	5.272	5.831
#3	-2.001	-3.298	405.2	266.5	4.779	5.501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.630**	**46.31**	**8973.**	**1796.**
Stddev	.357	1.45	167.	24.
%RSD	3.709	3.141	1.858	1.327
#1	9.848	44.64	8781.	1769.
#2	9.823	47.24	9082.	1808.
#3	9.217	47.07	9057.	1812.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5345.9**	**32191.**	**5101.2**
Stddev	7.3	429.	127.3
%RSD	.13638	1.3342	2.4958
#1	5347.5	32687.	5248.2
#2	5338.0	31953.	5029.5
#3	5352.4	31933.	5025.9

Sample Name: 460-118828-a-1-a@4 Acquired: 8/23/2016 13:21:07 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**164900.**	**8.388**	**5.496**	**1368.**	**-1.729**	**7722.**
Stddev	5394.	1.242	.428	6.	.189	166.
%RSD	3.271	14.80	7.780	.4466	10.95	2.143
#1	158700.	9.771	5.004	1361.	-1.522	7533.
#2	167700.	7.368	5.713	1374.	-1.769	7792.
#3	168300.	8.026	5.773	1369.	-1.894	7842.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.367**	**105.2**	**279.3**	**145.5**	**186100.**	**22910.**
Stddev	.395	.7	5.6	3.3	3815.	749.
%RSD	16.67	.6611	2.006	2.277	2.050	3.268
#1	2.816	104.5	273.1	141.8	181700.	22050.
#2	2.209	105.5	281.0	148.2	188300.	23390.
#3	2.075	105.8	283.9	146.5	188400.	23300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33180.**	**2546.**	**546.0**	**119.7**	**93.88**	**2.384**
Stddev	687.	49.	20.5	1.2	2.34	1.318
%RSD	2.072	1.938	3.752	.9726	2.489	55.30
#1	32380.	2489.	527.5	118.4	91.72	2.912
#2	33560.	2576.	568.0	119.8	93.57	3.355
#3	33590.	2574.	542.5	120.7	96.36	.8832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118828-a-1-a@4 Acquired: 8/23/2016 13:21:07 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.477**	**-.8767**	**392.2**	**250.9**	**4.708**	**6.026**
Stddev	.435	3.779	7.8	2.1	.616	.254
%RSD	5.816	431.0	2.000	.8514	13.09	4.217
#1	-7.935	2.131	383.2	248.5	4.399	5.822
#2	-7.425	.3573	395.4	252.5	4.307	6.311
#3	-7.070	-5.118	397.9	251.8	5.417	5.946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.631**	**44.77**	**8935.**	**1766.**
Stddev	1.402	1.34	168.	11.
%RSD	16.24	2.988	1.885	.6458
#1	9.750	43.24	8740.	1762.
#2	7.059	45.70	9037.	1757.
#3	9.083	45.37	9027.	1778.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5313.8**	**32141.**	**5124.9**
Stddev	14.0	363.	120.8
%RSD	.26371	1.1284	2.3576
#1	5327.8	32559.	5264.0
#2	5313.9	31913.	5064.3
#3	5299.8	31950.	5046.4

Sample Name: sd 460-118828-a-1-a Acquired: 8/23/2016 13:24:56 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34300.**	**1.188**	**2.255**	**287.0**	**-.3932**	**1613.**
Stddev	149.	1.331	.071	.6	.0695	10.
%RSD	.4329	112.1	3.152	.1996	17.67	.6023
#1	34160.	.7749	2.316	286.4	-.4644	1609.
#2	34290.	2.677	2.177	287.5	-.3897	1606.
#3	34460.	.1122	2.272	287.1	-.3256	1624.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2736**	**22.07**	**58.91**	**30.45**	**39480.**	**4780.**
Stddev	.2210	.10	.05	.25	102.	36.
%RSD	80.77	.4385	.0855	.8267	.2570	.7615
#1	.5073	22.01	58.87	30.16	39480.	4760.
#2	.0680	22.18	58.97	30.61	39380.	4758.
#3	.2455	22.01	58.89	30.59	39580.	4822.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7264.**	**536.8**	**107.3**	**25.73**	**19.25**	**-.9347**
Stddev	46.	.3	15.1	.54	2.24	.6649
%RSD	.6379	.0556	14.10	2.082	11.66	71.14
#1	7240.	536.8	117.0	25.23	21.81	-.5470
#2	7234.	536.6	89.87	26.29	18.34	-.5546
#3	7317.	537.2	115.0	25.66	17.61	-1.702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118828-a-1-a Acquired: 8/23/2016 13:24:56 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9362**	**.8114**	**81.45**	**54.00**	**1.075**	**1.028**
Stddev	1.947	3.461	.53	.24	.254	.339
%RSD	208.0	426.6	.6473	.4389	23.63	32.93
#1	.9999	-1.481	81.29	53.95	.8578	.6874
#2	2.851	-.8777	82.03	54.26	1.354	1.033
#3	-1.042	4.793	81.02	53.79	1.013	1.365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.461**	**9.255**	**1861.**	**354.6**
Stddev	.604	.175	3.	17.5
%RSD	41.31	1.892	.1521	4.940
#1	1.506	9.053	1859.	335.1
#2	.8363	9.351	1860.	359.9
#3	2.041	9.361	1864.	369.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5184.8**	**31440.**	**4849.0**
Stddev	10.2	76.	47.5
%RSD	.19590	.24016	.97958
#1	5195.2	31484.	4900.8
#2	5174.9	31483.	4838.7
#3	5184.3	31353.	4807.5

Sample Name: 460-117934-a-60-b@4 Acquired: 8/23/2016 13:28:50 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51490.**	**12.03**	**2.719**	**350.5**	**1.405**	**7258.**
Stddev	619.	.52	.219	.8	.167	46.
%RSD	1.202	4.306	8.055	.2261	11.88	.6335
#1	50840.	12.01	2.504	349.5	1.231	7205.
#2	51550.	12.55	2.942	350.9	1.418	7279.
#3	52070.	11.52	2.711	350.9	1.564	7290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.895**	**21.09**	**89.51**	**220.5**	**73440.**	**2479.**
Stddev	.117	.18	1.02	2.4	544.	87.
%RSD	3.008	.8770	1.145	1.092	.7412	3.514
#1	4.028	20.99	88.36	217.9	72820.	2385.
#2	3.851	21.30	90.33	220.9	73660.	2494.
#3	3.806	20.97	89.84	222.7	73840.	2557.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4806.**	**730.0**	**77.13**	**50.59**	**315.9**	**2.138**
Stddev	40.	5.4	12.24	.59	3.6	1.233
%RSD	.8335	.7380	15.88	1.173	1.147	57.66
#1	4760.	723.8	65.04	51.26	312.2	2.306
#2	4826.	733.0	89.52	50.14	316.2	3.278
#3	4832.	733.2	76.82	50.37	319.4	.8298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-117934-a-60-b@4 Acquired: 8/23/2016 13:28:50 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.874**	**-4.119**	**82.51**	**554.5**	**31.72**	**5.163**
Stddev	4.625	2.666	.80	2.7	.62	.128
%RSD	246.8	64.72	.9748	.4929	1.949	2.486
#1	7.214	-1.367	81.74	551.4	31.39	5.154
#2	-.8359	-4.301	82.44	556.2	31.33	5.295
#3	-.7557	-6.690	83.35	556.0	32.43	5.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**28.96**	**33.63**	**641.5**	**1385.**
Stddev	.92	.40	4.0	43.
%RSD	3.177	1.182	.6285	3.126
#1	27.94	33.20	637.0	1335.
#2	29.22	33.70	643.2	1406.
#3	29.72	33.98	644.5	1414.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5198.9**	**31519.**	**4864.5**
Stddev	15.0	173.	40.2
%RSD	.28924	.54790	.82719
#1	5214.0	31687.	4896.5
#2	5198.6	31529.	4877.8
#3	5184.0	31342.	4819.3

Sample Name: lcssrm 460-385969/2- Acquired: 8/23/2016 13:32:42 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38970.**	**299.6**	**266.2**	**615.0**	**353.1**	**31270.**
Stddev	1147.	1.9	5.6	1.8	10.0	616.
%RSD	2.943	.6186	2.107	.2865	2.828	1.971
#1	37650.	297.5	259.8	613.1	341.6	30560.
#2	39770.	301.1	268.4	615.1	359.7	31680.
#3	39480.	300.0	270.4	616.7	358.0	31580.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**416.4**	**331.2**	**336.9**	**285.1**	**74430.**	**11470.**
Stddev	1.5	1.3	6.4	4.8	1342.	382.
%RSD	.3686	.3850	1.891	1.673	1.802	3.335
#1	414.7	329.8	329.6	279.6	72890.	11030.
#2	416.7	331.6	340.7	287.9	75320.	11660.
#3	417.7	332.2	340.5	287.9	75090.	11710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13040.**	**1466.**	**4120.**	**350.5**	**477.7**	**260.4**
Stddev	239.	24.	120.	3.0	3.1	1.1
%RSD	1.836	1.610	2.918	.8629	.6580	.4119
#1	12770.	1439.	3982.	347.4	475.7	259.2
#2	13210.	1482.	4199.	353.4	476.0	260.5
#3	13140.	1478.	4179.	350.6	481.3	261.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-385969/2- Acquired: 8/23/2016 13:32:42 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**419.9**	**1022.**	**288.8**	**1069.**	**439.8**	**293.4**
Stddev	8.1	6.	4.0	6.	3.5	2.4
%RSD	1.933	.6059	1.372	.5253	.8068	.8221
#1	411.3	1015.	284.3	1062.	436.1	290.9
#2	427.4	1023.	290.3	1070.	440.3	293.5
#3	421.1	1027.	291.7	1073.	443.1	295.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**854.8**	**459.8**	**1776.**	**1545.**
Stddev	4.0	11.7	27.	24.
%RSD	.4710	2.544	1.534	1.535
#1	850.2	446.4	1745.	1518.
#2	856.8	467.8	1792.	1552.
#3	857.5	465.4	1792.	1564.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5119.7**	**31312.**	**4938.7**
Stddev	6.9	316.	90.4
%RSD	.13541	1.0077	1.8300
#1	5127.5	31675.	5026.3
#2	5117.6	31102.	4845.8
#3	5114.1	31158.	4944.1

Sample Name: CCV Acquired: 8/23/2016 13:36:26 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119100.**	**2596.**	**1212.**	**10060.**	**985.2**	**119200.**
Stddev	191.	3.	3.	8.	2.0	833.
%RSD	.1600	.1198	.2318	.0818	.1991	.6985
#1	118900.	2593.	1214.	10050.	983.9	118700.
#2	119300.	2594.	1209.	10050.	987.4	118700.
#3	119200.	2599.	1213.	10070.	984.2	120100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1242.**	**2552.**	**4913.**	**12140.**	**96970.**	**47860.**
Stddev	1.	2.	27.	39.	464.	52.
%RSD	.0962	.0780	.5547	.3184	.4788	.1093
#1	1242.	2555.	4913.	12190.	96870.	47860.
#2	1242.	2551.	4886.	12120.	96570.	47920.
#3	1244.	2551.	4941.	12120.	97480.	47810.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120100.**	**4862.**	**120600.**	**2573.**	**7695.**	**1026.**
Stddev	637.	21.	534.	5.	11.	1.
%RSD	.5302	.4413	.4427	.1794	.1385	.1007
#1	120000.	4856.	121200.	2578.	7700.	1025.
#2	119500.	4845.	120400.	2572.	7683.	1026.
#3	120800.	4887.	120200.	2569.	7703.	1027.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 13:36:26 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2542.**	**2517.**	**2445.**	**2540.**	**1045.**	**2425.**
Stddev	12.	11.	6.	5.	6.	3.
%RSD	.4678	.4416	.2361	.2086	.6012	.1250
#1	2547.	2529.	2445.	2539.	1052.	2423.
#2	2550.	2515.	2439.	2536.	1043.	2429.
#3	2528.	2507.	2451.	2546.	1040.	2425.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1014.**	**4978.**	**9787.**	**10000.**
Stddev	7.	10.	15.	99.
%RSD	.7230	.1981	.1543	.9903
#1	1022.	4966.	9778.	10110.
#2	1010.	4983.	9778.	9915.
#3	1010.	4984.	9804.	9985.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4806.2**	**28816.**	**4580.0**
Stddev	30.5	210.	8.4
%RSD	.63511	.72913	.18273
#1	4771.3	28598.	4588.4
#2	4828.0	29017.	4571.7
#3	4819.2	28832.	4580.0

Sample Name: CCB Acquired: 8/23/2016 13:40:01 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.734**	**-1.741**	**.8515**	**-.0313**	**-.0466**	**8.402**
Stddev	7.295	1.553	.1714	.1676	.0438	3.677
%RSD	127.2	89.15	20.13	535.2	94.04	43.77
#1	4.953	.0468	1.044	.1269	-.0417	12.65
#2	13.39	-2.745	.7942	-.0138	-.0054	6.262
#3	-1.139	-2.526	.7161	-.2070	-.0926	6.296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0009**	**-.2086**	**.0450**	**.8446**	**8.785**	**12.30**
Stddev	.0923	.2013	.3327	.3211	8.155	30.35
%RSD	10330.	96.50	739.5	38.02	92.83	246.8
#1	-.0099	.0227	-.2834	.6407	12.57	47.18
#2	.0981	-.3444	.3818	.6784	14.36	-2.231
#3	-.0855	-.3041	.0366	1.215	-.5754	-8.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.477**	**-.0061**	**20.86**	**.0259**	**1.243**	**-2.019**
Stddev	2.690	.0379	21.86	.1075	1.542	.584
%RSD	182.1	617.0	104.8	414.4	124.1	28.93
#1	-2.367	-.0491	23.80	.0694	.9011	-2.689
#2	-3.609	.0082	41.10	-.0965	2.927	-1.611
#3	1.544	.0224	-2.318	.1049	-.1005	-1.758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 13:40:01 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.449**	**-.7144**	**.0100**	**.3189**	**2.494**	**.4776**
Stddev	1.530	1.892	.0827	.1267	.542	.4885
%RSD	105.6	264.9	828.4	39.72	21.74	102.3
#1	2.263	-2.867	.1025	.2112	3.118	1.038
#2	2.400	.0410	-.0568	.2870	2.222	.2491
#3	-.3159	.6832	-.0158	.4584	2.141	.1453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.7861**	**.0672**	**.2588**	**1.742**
Stddev	1.373	.0531	.1182	8.624
%RSD	174.7	79.04	45.66	495.1
#1	.7462	.1191	.3915	-6.011
#2	-1.200	.0693	.1649	.2071
#3	-1.905	.0130	.2199	11.03
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5000.8**	**31280.**	**4772.9**
Stddev	238.4	63.	54.3
%RSD	4.7668	.20000	1.1379
#1	4725.6	31217.	4835.5
#2	5133.8	31342.	4738.3
#3	5143.0	31282.	4744.9

Sample Name: CCVL Acquired: 8/23/2016 13:44:03 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.4**	**12.98**	**9.885**	**206.8**	**1.879**	**4683.**
Stddev	9.2	1.54	.101	.7	.113	14.
%RSD	4.661	11.85	1.022	.3202	6.022	.3022
#1	207.7	11.58	9.991	206.1	1.950	4667.
#2	189.2	12.73	9.875	207.4	1.938	4694.
#3	198.2	14.63	9.790	206.9	1.748	4689.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.157**	**52.66**	**10.15**	**24.61**	**176.6**	**4471.**
Stddev	.044	.43	.44	.58	1.9	44.
%RSD	1.051	.8089	4.299	2.368	1.090	.9828
#1	4.117	52.18	10.65	23.99	177.7	4422.
#2	4.204	52.82	9.857	24.70	174.4	4482.
#3	4.150	52.99	9.944	25.15	177.7	4508.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4768.**	**15.25**	**4379.**	**43.16**	**12.99**	**18.73**
Stddev	63.	.27	56.	.64	1.03	.64
%RSD	1.321	1.747	1.271	1.489	7.897	3.412
#1	4698.	14.95	4315.	42.54	11.86	18.00
#2	4786.	15.39	4412.	43.12	13.87	19.20
#3	4820.	15.42	4411.	43.83	13.23	18.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 13:44:03 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.78**	**20.95**	**49.33**	**33.28**	**51.20**	**19.30**
Stddev	.57	1.85	.76	.14	.40	.28
%RSD	2.756	8.818	1.547	.4208	.7826	1.432
#1	21.36	21.59	48.45	33.36	51.17	18.98
#2	20.75	22.39	49.67	33.37	50.81	19.50
#3	20.22	18.87	49.86	33.12	51.61	19.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**50.34**	**19.88**	**20.53**	F **11.77**
Stddev	1.28	.10	.25	14.73
%RSD	2.543	.5174	1.197	125.1
#1	49.84	19.76	20.34	13.71
#2	49.38	19.90	20.43	-3.827
#3	51.79	19.96	20.81	25.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5095.5**	**30953.**	**4760.3**
Stddev	28.1	154.	34.1
%RSD	.55082	.49690	.71603
#1	5126.8	31095.	4794.0
#2	5087.3	30976.	4725.9
#3	5072.5	30789.	4761.0

Sample Name: mb 460-385969/1-a Acquired: 8/23/2016 13:48:03 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.18**	**-2.088**	**1.232**	**-.1204**	**-.0709**	**6.326**
Stddev	7.42	1.924	.479	.0394	.1042	3.275
%RSD	66.33	92.14	38.87	32.75	147.0	51.77
#1	7.331	-4.184	.6797	-.0750	-.1844	9.365
#2	6.482	-1.677	1.484	-.1464	.0206	2.858
#3	19.73	-.4026	1.533	-.1397	-.0489	6.754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0431**	**.1294**	**-.1128**	**.8354**	**6.824**	**12.04**
Stddev	.0341	.2019	.4550	.1249	4.685	33.37
%RSD	79.19	156.0	403.4	14.94	68.66	277.2
#1	-.0120	.3556	.3307	.8049	1.958	38.10
#2	-.0376	-.0325	-.0907	.7287	7.210	23.60
#3	-.0796	.0651	-.5784	.9727	11.30	-25.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7656**	**-.0672**	**14.06**	**.1595**	**1.609**	**-1.462**
Stddev	9.001	.0135	7.87	.5453	.848	1.115
%RSD	1176.	20.12	55.93	341.9	52.67	76.25
#1	3.746	-.0827	21.78	-.2122	2.559	-2.579
#2	7.898	-.0606	14.35	-.0948	1.339	-.3499
#3	-9.348	-.0582	6.059	.7855	.9294	-1.456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-385969/1-a Acquired: 8/23/2016 13:48:03 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6553**	**-2.336**	**.2453**	**.0802**	**.5808**	**-.2036**
Stddev	3.547	2.345	.2770	.1964	.2813	.2883
%RSD	541.3	100.4	112.9	245.1	48.43	141.6
#1	3.613	-4.596	-.0282	.1692	.6465	-.1623
#2	-3.278	-2.497	.2384	-.1450	.8234	.0618
#3	1.631	.0853	.5257	.2163	.2725	-.5103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1942**	**.0293**	**-.0078**	**15.57**
Stddev	.1260	.0293	.1710	9.22
%RSD	64.91	99.93	2188.	59.20
#1	.3329	-.0024	.1463	6.642
#2	.0866	.0348	.0219	25.05
#3	.1630	.0554	-.1917	15.01
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5058.9**	**30893.**	**4696.5**
Stddev	10.7	75.	3.0
%RSD	.21149	.24196	.06283
#1	5051.9	30923.	4696.2
#2	5053.7	30807.	4693.7
#3	5071.2	30947.	4699.6

Sample Name: 460-117934-a-63-b@4 Acquired: 8/23/2016 13:52:04 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**55090.**	**7.972**	**2.668**	**242.6**	**1.115**	**2279.**
Stddev	1273.	1.756	.105	3.0	.116	104.
%RSD	2.311	22.02	3.947	1.227	10.40	4.561
#1	55940.	6.068	2.779	240.8	1.243	2206.
#2	55700.	8.321	2.570	241.0	1.017	2234.
#3	53620.	9.527	2.653	246.1	1.086	2398.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5752**	**11.33**	**73.80**	**54.50**	**54930.**	**1317.**
Stddev	.2674	.23	4.02	1.92	2279.	38.
%RSD	46.49	1.988	5.444	3.517	4.149	2.871
#1	.8467	11.23	70.24	53.63	53350.	1342.
#2	.5670	11.18	73.01	53.16	53900.	1337.
#3	.3120	11.59	78.16	56.69	57540.	1274.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4519.**	**238.9**	**49.93**	**33.99**	**224.4**	**3.431**
Stddev	207.	14.0	11.55	1.20	2.8	1.739
%RSD	4.569	5.878	23.13	3.521	1.242	50.68
#1	4351.	229.4	59.35	32.91	222.4	2.832
#2	4456.	232.3	53.40	33.79	223.3	5.391
#3	4750.	255.0	37.04	35.28	227.6	2.071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-117934-a-63-b@4 Acquired: 8/23/2016 13:52:04 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.414**	**-2.975**	**94.25**	**137.5**	**8.053**	**3.324**
Stddev	4.106	1.331	3.92	2.9	.898	.186
%RSD	290.4	44.73	4.164	2.077	11.16	5.602
#1	-.3046	-1.523	91.20	134.2	7.750	3.163
#2	-1.553	-4.137	92.87	138.6	7.346	3.282
#3	6.100	-3.264	98.68	139.5	9.064	3.528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.366**	**14.50**	**786.5**	**1243.**
Stddev	1.147	.39	29.7	31.
%RSD	12.25	2.682	3.779	2.492
#1	8.951	14.84	766.9	1277.
#2	8.483	14.59	772.0	1218.
#3	10.66	14.08	820.7	1233.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5192.7**	**30842.**	**4819.4**
Stddev	49.4	744.	109.3
%RSD	.95178	2.4115	2.2677
#1	5159.6	31212.	4764.7
#2	5249.5	31329.	4748.3
#3	5169.1	29986.	4945.2

Sample Name: 460-118607-c-16-d@4 Acquired: 8/23/2016 13:55:58 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21400.**	**241.7**	**3.619**	**434.3**	**.7762**	**13710.**
Stddev	265.	2.8	.258	.4	.1669	109.
%RSD	1.240	1.163	7.130	.0893	21.50	.7922
#1	21100.	238.4	3.838	434.6	.6173	13640.
#2	21600.	243.0	3.685	434.5	.7614	13650.
#3	21500.	243.6	3.335	433.9	.9501	13830.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.778**	**30.88**	**62.79**	**237.8**	**72900.**	**2548.**
Stddev	.223	.29	1.33	2.4	740.	30.
%RSD	8.008	.9356	2.115	1.002	1.015	1.170
#1	3.023	30.58	61.62	235.1	72110.	2513.
#2	2.725	30.93	62.51	238.7	73000.	2565.
#3	2.587	31.15	64.23	239.6	73580.	2565.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4926.**	**1160.**	**998.3**	**62.26**	**919.5**	**.8407**
Stddev	90.	8.	28.3	.50	6.5	.9223
%RSD	1.819	.7294	2.835	.7952	.7027	109.7
#1	4840.	1151.	980.2	61.93	913.2	.6961
#2	4918.	1163.	1031.	62.83	919.3	-.0008
#3	5019.	1167.	983.8	62.01	926.1	1.827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118607-c-16-d@4 Acquired: 8/23/2016 13:55:58 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.002**	**-2.262**	**73.93**	**1001.**	**14.27**	**8.632**
Stddev	2.502	3.438	1.42	8.	.60	.264
%RSD	249.6	152.0	1.925	.8472	4.174	3.058
#1	1.501	-6.119	72.68	993.1	14.96	8.935
#2	-3.502	.4827	73.64	1001.	13.97	8.453
#3	-1.005	-1.150	75.48	1010.	13.89	8.508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**54.27**	**142.1**	**1018.**	**1220.**
Stddev	.38	1.6	4.	21.
%RSD	.7033	1.148	.4150	1.702
#1	53.91	140.4	1013.	1215.
#2	54.23	143.6	1020.	1202.
#3	54.67	142.2	1021.	1242.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5175.0**	**31487.**	**4840.5**
Stddev	37.7	121.	37.2
%RSD	.72818	.38542	.76873
#1	5135.9	31606.	4878.7
#2	5178.2	31364.	4804.3
#3	5211.0	31493.	4838.7

Sample Name: 460-118607-c-17-d@10 Acquired: 8/23/2016 13:59:48 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2825.**	**-.1154**	**1.196**	**39.05**	**-.0643**	**2013.**
Stddev	27.	1.446	.364	.16	.1288	37.
%RSD	.9479	1253.	30.44	.4151	200.5	1.836
#1	2805.	-.5541	.7862	38.86	-.1914	2056.
#2	2856.	1.499	1.482	39.15	-.0676	1995.
#3	2815.	-1.291	1.318	39.13	.0662	1989.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0860**	**4.015**	**7.500**	**34.98**	**5874.**	**149.1**
Stddev	.0951	.219	.102	.64	62.	14.5
%RSD	110.6	5.463	1.355	1.842	1.055	9.697
#1	.1392	3.809	7.391	34.44	5935.	132.8
#2	-.0238	4.246	7.592	34.80	5811.	160.3
#3	.1426	3.989	7.516	35.69	5877.	154.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1008.**	**232.2**	**15.69**	**4.706**	**5456.**	**1.872**
Stddev	10.	2.0	15.37	.404	53.	.570
%RSD	.9437	.8582	97.97	8.594	.9702	30.46
#1	1019.	232.8	6.695	4.269	5469.	1.779
#2	1000.	233.8	6.936	5.067	5501.	1.354
#3	1006.	230.0	33.44	4.782	5397.	2.483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118607-c-17-d@10 Acquired: 8/23/2016 13:59:48 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7672**	**-2.271**	**9.472**	**53.66**	**.5735**	**-.0203**
Stddev	3.048	3.332	.141	.26	.6418	.3468
%RSD	397.2	146.7	1.494	.4790	111.9	1705.
#1	-2.120	-5.527	9.599	53.54	.9256	-.0925
#2	.4678	-2.416	9.319	53.48	.9622	.3569
#3	3.954	1.132	9.498	53.95	-.1673	-.3254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.736**	**3.995**	**69.31**	**65.73**
Stddev	.264	.108	.67	13.52
%RSD	2.713	2.708	.9615	20.56
#1	9.452	3.909	69.03	60.35
#2	9.974	4.116	68.83	81.11
#3	9.783	3.959	70.08	55.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5109.6**	**31192.**	**4756.2**
Stddev	21.1	125.	54.0
%RSD	.41204	.39946	1.1364
#1	5133.8	31060.	4700.6
#2	5096.3	31308.	4759.5
#3	5098.5	31209.	4808.6

Sample Name: 460-118607-c-18-d@10 Acquired: 8/23/2016 14:03:44 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6812.**	**42.44**	**2.794**	**611.6**	**.3733**	**17290.**
Stddev	26.	1.51	.303	1.4	.1589	129.
%RSD	.3771	3.554	10.84	.2270	42.58	.7441
#1	6784.	43.35	2.630	610.6	.3592	17190.
#2	6820.	43.28	3.143	613.2	.5389	17250.
#3	6834.	40.70	2.608	611.0	.2219	17440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.239**	**13.73**	**38.03**	**384.6**	**36090.**	**572.5**
Stddev	.087	.15	.25	1.1	137.	52.6
%RSD	2.678	1.088	.6688	.2949	.3784	9.190
#1	3.321	13.68	38.12	385.8	35990.	627.2
#2	3.248	13.62	38.23	384.5	36020.	522.3
#3	3.148	13.90	37.75	383.5	36240.	568.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2886.**	**5948.**	**188.2**	**53.82**	**4456.**	**6.513**
Stddev	12.	18.	5.2	.51	24.	1.380
%RSD	.4205	.3062	2.761	.9386	.5415	21.19
#1	2878.	5935.	191.7	54.19	4429.	4.965
#2	2880.	5941.	182.2	54.03	4463.	6.959
#3	2900.	5969.	190.6	53.24	4475.	7.615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118607-c-18-d@10 Acquired: 8/23/2016 14:03:44 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7424**	**.5400**	**43.24**	**1542.**	**2.955**	**4.461**
Stddev	2.527	2.194	.54	11.	.241	.081
%RSD	340.4	406.2	1.242	.7013	8.152	1.813
#1	-2.169	1.517	43.25	1530.	3.233	4.515
#2	2.360	-1.973	42.69	1545.	2.825	4.501
#3	2.036	2.076	43.77	1551.	2.808	4.368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**58.17**	**51.45**	**388.0**	**446.7**
Stddev	1.07	.20	.8	14.5
%RSD	1.846	.3790	.2160	3.239
#1	57.17	51.23	388.1	459.3
#2	59.31	51.60	387.1	449.8
#3	58.02	51.53	388.7	430.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5074.6**	**30960.**	**4749.1**
Stddev	31.4	95.	33.8
%RSD	.61816	.30742	.71132
#1	5055.3	30864.	4769.8
#2	5057.8	31054.	4767.4
#3	5110.8	30962.	4710.1

Sample Name: 460-118607-d-26-a@10 Acquired: 8/23/2016 14:07:34 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40640.**	**13.22**	**1.703**	**498.0**	**5.405**	**199700.**
Stddev	132.	.67	.289	2.7	.115	437.
%RSD	.3253	5.095	16.96	.5469	2.128	.2189
#1	40720.	12.88	1.438	497.9	5.277	199600.
#2	40720.	12.78	2.010	495.3	5.498	199400.
#3	40490.	14.00	1.660	500.8	5.441	200200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.775**	**8.842**	**50.55**	**129.7**	**22900.**	**3262.**
Stddev	.260	.262	.84	1.0	178.	33.
%RSD	6.876	2.961	1.655	.7996	.7778	1.014
#1	3.476	8.935	49.94	128.6	22690.	3288.
#2	3.902	8.546	51.50	130.6	23000.	3272.
#3	3.946	9.044	50.20	130.0	23000.	3225.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48660.**	**2867.**	**1181.**	**30.61**	**529.2**	**.2612**
Stddev	183.	7.	4.	.73	5.3	1.367
%RSD	.3762	.2603	.3587	2.399	1.005	523.2
#1	48570.	2862.	1186.	30.02	528.7	-.4081
#2	48540.	2864.	1178.	30.39	524.2	-.6418
#3	48870.	2876.	1181.	31.44	534.8	1.834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118607-d-26-a@10 Acquired: 8/23/2016 14:07:34 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.565**	**-.7092**	**50.56**	**534.6**	**59.66**	**3.464**
Stddev	3.373	2.394	.69	13.3	.12	.453
%RSD	215.5	337.5	1.355	2.479	.2029	13.07
#1	-1.729	2.052	49.77	532.5	59.67	3.306
#2	5.012	-2.199	51.00	522.5	59.78	3.975
#3	1.413	-1.981	50.90	548.8	59.54	3.111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.20**	**388.5**	**1044.**	**874.0**
Stddev	.61	1.8	3.	11.8
%RSD	6.023	.4588	.2845	1.354
#1	10.43	390.5	1041.	887.3
#2	9.500	387.6	1044.	864.5
#3	10.66	387.3	1047.	870.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5066.8**	**30518.**	**4823.0**
Stddev	29.3	96.	51.2
%RSD	.57791	.31322	1.0606
#1	5065.2	30595.	4806.6
#2	5038.4	30547.	4782.1
#3	5096.9	30411.	4880.4

Sample Name: pds 460-118589-a-1-c Acquired: 8/23/2016 14:11:26 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1923.**	**2132.**	**50.46**	**2130.**	**50.01**	**121500.**
Stddev	12.	11.	.18	4.	.09	1425.
%RSD	.6364	.5356	.3528	.1822	.1864	1.172
#1	1925.	2119.	50.28	2126.	50.02	122900.
#2	1934.	2135.	50.64	2130.	50.09	121600.
#3	1910.	2141.	50.45	2133.	49.91	120100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.63**	**521.3**	**205.4**	**250.3**	**1032.**	**20100.**
Stddev	.19	1.2	.7	2.9	8.	52.
%RSD	.3808	.2341	.3311	1.140	.7550	.2588
#1	50.67	520.1	204.6	247.0	1035.	20060.
#2	50.80	521.3	205.8	252.4	1037.	20160.
#3	50.42	522.6	205.7	251.4	1023.	20080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48290.**	**611.7**	F **291000.**	**614.3**	**526.5**	**498.2**
Stddev	392.	3.2	2446.	2.1	1.6	7.4
%RSD	.8117	.5180	.8404	.3496	.2981	1.486
#1	48690.	614.6	293500.	611.8	525.2	489.9
#2	48270.	612.2	291100.	615.2	528.2	500.7
#3	47910.	608.3	288600.	615.8	526.1	504.1
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-118589-a-1-c Acquired: 8/23/2016 14:11:26 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2129.**	**2013.**	**512.1**	**532.5**	**582.8**	**505.0**
Stddev	23.	4.	4.4	3.3	6.7	3.9
%RSD	1.102	.1836	.8538	.6147	1.151	.7641
#1	2103.	2015.	507.4	535.5	575.6	501.0
#2	2137.	2009.	512.9	532.9	584.1	505.5
#3	2147.	2016.	516.1	529.0	588.9	508.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**515.5**	**636.9**	**498.7**	**6065.**
Stddev	2.2	.9	.8	160.
%RSD	.4301	.1393	.1663	2.632
#1	514.2	635.9	498.8	5900.
#2	518.1	637.4	497.8	6077.
#3	514.2	637.5	499.4	6219.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4738.8**	**28457.**	**4587.6**
Stddev	45.5	55.	102.6
%RSD	.96055	.19403	2.2356
#1	4789.9	28519.	4521.7
#2	4723.8	28412.	4535.4
#3	4702.7	28442.	4705.8

Sample Name: 460-118589-a-1-e ms Acquired: 8/23/2016 14:15:08 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1055.**	**1167.**	**105.5**	**2315.**	**221.7**	**108000.**
Stddev	8.	5.	1.1	4.	.6	1402.
%RSD	.7888	.4046	1.047	.1526	.2536	1.298
#1	1057.	1162.	106.0	2311.	221.2	109700.
#2	1047.	1171.	106.2	2318.	222.3	107200.
#3	1063.	1168.	104.2	2315.	221.6	107300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**228.5**	**240.6**	**1090.**	**224.0**	**236.3**	**4942.**
Stddev	.1	.4	11.	1.5	3.7	42.
%RSD	.0549	.1674	.9945	.6912	1.582	.8523
#1	228.4	240.5	1103.	222.5	233.7	4939.
#2	228.4	241.1	1082.	225.6	240.5	4986.
#3	228.6	240.3	1086.	224.0	234.6	4902.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33930.**	**349.8**	F **275400.**	**333.4**	**1141.**	**216.9**
Stddev	318.	2.2	1870.	1.8	6.	1.9
%RSD	.9371	.6357	.6790	.5520	.4976	.8771
#1	34300.	352.3	277400.	331.8	1137.	219.0
#2	33740.	348.1	275200.	335.4	1148.	216.4
#3	33760.	349.0	273700.	333.1	1140.	215.3
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118589-a-1-e ms Acquired: 8/23/2016 14:15:08 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**240.7**	**228.6**	**115.9**	**242.2**	**285.4**	**230.3**
Stddev	1.0	4.0	1.0	.7	2.8	1.2
%RSD	.4111	1.765	.8719	.2817	.9891	.5001
#1	240.4	226.0	114.8	242.8	282.6	229.1
#2	239.9	226.6	116.1	241.4	285.2	231.3
#3	241.8	233.3	116.8	242.3	288.3	230.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**222.5**	**364.4**	**227.5**	**6095.**
Stddev	1.6	1.4	1.9	157.
%RSD	.7053	.3800	.8411	2.567
#1	220.9	363.0	225.5	5914.
#2	222.5	365.8	227.5	6179.
#3	224.0	364.5	229.4	6191.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4731.7**	**28418.**	**4622.1**
Stddev	15.5	146.	120.5
%RSD	.32700	.51284	2.6072
#1	4749.4	28256.	4483.6
#2	4725.3	28538.	4703.0
#3	4720.5	28459.	4679.8

Sample Name: 460-118589-a-1-d du Acquired: 8/23/2016 14:18:54 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29.30**	**-1.589**	**.4980**	**87.81**	**-.2007**	**106700.**
Stddev	7.60	1.098	.2924	.47	.0751	489.
%RSD	25.92	69.10	58.71	.5319	37.44	.4586
#1	21.05	-1.154	.6196	87.69	-.2871	106200.
#2	36.01	-2.838	.1645	87.41	-.1644	107100.
#3	30.85	-.7754	.7100	88.32	-.1506	106800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2482**	**3.814**	**2.123**	**4.539**	**19.20**	**629.5**
Stddev	.0761	.284	.313	.111	7.97	37.9
%RSD	30.68	7.441	14.76	2.442	41.53	6.012
#1	.2552	4.110	2.426	4.466	28.09	586.5
#2	.1688	3.544	1.801	4.485	12.68	644.3
#3	.3206	3.788	2.142	4.667	16.82	657.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30750.**	**134.6**	F **281100.**	**99.42**	**-.2312**	**-1.791**
Stddev	82.	1.1	1393.	.43	1.021	2.022
%RSD	.2674	.8471	.4955	.4308	441.7	112.9
#1	30660.	133.3	282500.	99.02	-1.263	-2.681
#2	30800.	135.0	281100.	99.36	.7788	.5234
#3	30800.	135.5	279800.	99.87	-.2094	-3.215
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118589-a-1-d du Acquired: 8/23/2016 14:18:54 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.097**	**-3.619**	**4.661**	**16.12**	**56.71**	**14.87**
Stddev	2.864	4.189	.148	.34	.51	.13
%RSD	56.19	115.7	3.179	2.132	.9053	.9019
#1	2.588	-8.454	4.816	15.72	56.93	14.74
#2	4.487	-1.069	4.520	16.34	56.12	15.01
#3	8.218	-1.335	4.646	16.29	57.07	14.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1267**	**161.8**	**3.343**	**6394.**
Stddev	.5197	1.6	.047	77.
%RSD	410.2	.9818	1.391	1.200
#1	-.6859	160.0	3.390	6348.
#2	-.0356	162.8	3.341	6352.
#3	.3414	162.6	3.297	6483.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4716.1**	**28434.**	**4651.3**
Stddev	27.8	88.	26.9
%RSD	.59013	.30840	.57756
#1	4696.2	28345.	4650.7
#2	4747.9	28520.	4624.8
#3	4704.2	28437.	4678.5

Sample Name: lcs 460-386213/2-a@2 Acquired: 8/23/2016 14:22:52 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2520.**	**2716.**	**244.4**	**5520.**	**538.4**	**9951.**
Stddev	21.	11.	1.3	7.	7.6	27.
%RSD	.8381	.4208	.5134	.1180	1.413	.2705
#1	2505.	2705.	243.0	5513.	532.6	9938.
#2	2544.	2716.	245.0	5524.	547.0	9933.
#3	2511.	2728.	245.3	5524.	535.7	9982.
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**562.1**	**593.5**	**2610.**	**518.2**	**559.0**	**9760.**
Stddev	1.1	2.2	3.	2.7	9.1	147.
%RSD	.1960	.3712	.1177	.5262	1.636	1.501
#1	561.3	591.0	2607.	515.3	569.4	9616.
#2	563.4	594.4	2611.	520.7	551.9	9909.
#3	561.6	595.2	2613.	518.6	555.9	9755.
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10310.**	**547.8**	**9445.**	F **600.4**	**2877.**	**512.9**
Stddev	28.	.4	41.	1.3	18.	1.7
%RSD	.2716	.0768	.4381	.2152	.6113	.3377
#1	10280.	548.2	9425.	599.0	2857.	512.0
#2	10320.	547.8	9418.	600.4	2886.	511.9
#3	10340.	547.4	9493.	601.6	2888.	514.9
Check ?	None	None	None	Chk Fail	Chk Pass	None
Value				500.0		
Range				20.00%		

Sample Name: lcs 460-386213/2-a@2 Acquired: 8/23/2016 14:22:52 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**561.0**	**601.6**	**264.8**	**594.3**	**557.9**	**531.1**
Stddev	3.2	3.3	.9	3.7	4.5	2.6
%RSD	.5784	.5517	.3305	.6260	.8016	.4809
#1	561.0	599.1	264.0	590.1	552.8	528.4
#2	564.2	600.4	264.9	595.3	560.0	531.4
#3	557.7	605.4	265.7	597.4	561.0	533.5
Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**554.6**	**529.6**	**528.3**	**53.52**
Stddev	3.3	2.1	1.4	3.56
%RSD	.6020	.3921	.2599	6.650
#1	550.7	527.3	527.7	49.94
#2	556.8	531.3	529.9	53.56
#3	556.2	530.1	527.4	57.06
Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4997.9**	**30827.**	**4772.5**
Stddev	12.8	21.	31.9
%RSD	.25574	.06886	.66863
#1	5012.0	30826.	4740.8
#2	4994.6	30849.	4804.6
#3	4987.1	30806.	4772.0

Sample Name: CCV Acquired: 8/23/2016 14:26:34 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**117700.**	**2605.**	**1206.**	**10010.**	**976.9**	**117300.**
Stddev	458.	7.	3.	5.	4.3	119.
%RSD	.3892	.2721	.2716	.0488	.4443	.1012
#1	117300.	2602.	1203.	10010.	972.9	117200.
#2	118200.	2600.	1205.	10010.	981.5	117300.
#3	117700.	2613.	1210.	10020.	976.3	117500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1238.**	**2559.**	**4860.**	**12120.**	**95830.**	**47530.**
Stddev	1.	.	8.	16.	95.	175.
%RSD	.0632	.0067	.1558	.1310	.0995	.3687
#1	1237.	2559.	4852.	12120.	95720.	47340.
#2	1239.	2559.	4866.	12140.	95910.	47680.
#3	1239.	2559.	4863.	12110.	95840.	47580.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**118700.**	**4793.**	**118700.**	**2572.**	**7707.**	**1038.**
Stddev	80.	3.	500.	5.	8.	3.
%RSD	.0673	.0598	.4212	.1848	.0987	.3148
#1	118700.	4790.	119000.	2573.	7698.	1038.
#2	118800.	4796.	118900.	2566.	7711.	1042.
#3	118600.	4794.	118100.	2575.	7712.	1035.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 14:26:34 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2547.**	**2502.**	**2431.**	**2529.**	**1051.**	**2424.**
Stddev	12.	3.	2.	4.	2.	3.
%RSD	.4659	.1015	.0963	.1657	.1887	.1336
#1	2556.	2504.	2429.	2527.	1049.	2421.
#2	2552.	2499.	2429.	2527.	1051.	2423.
#3	2534.	2502.	2433.	2534.	1053.	2427.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1012.**	**4948.**	**9709.**	**10100.**
Stddev	1.	8.	5.	27.
%RSD	.0546	.1640	.0557	.2686
#1	1012.	4939.	9704.	10130.
#2	1012.	4954.	9707.	10090.
#3	1011.	4950.	9715.	10070.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4739.5**	**28751.**	**4618.2**
Stddev	38.8	219.	29.4
%RSD	.81804	.76131	.63612
#1	4701.4	28561.	4631.0
#2	4738.1	28702.	4584.6
#3	4778.9	28990.	4639.1

Sample Name: CCB Acquired: 8/23/2016 14:30:09 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5562**	**-2.250**	**.7898**	**.0116**	**-.1031**	**8.777**
Stddev	1.517	.510	.7999	.3087	.0874	10.25
%RSD	272.8	22.66	101.3	2673.	84.78	116.8
#1	-1.124	-2.456	1.350	.1526	-.0878	19.54
#2	.9666	-1.669	1.146	.2246	-.1972	7.668
#3	1.826	-2.624	-.1263	-.3425	-.0244	-.8752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0752**	**-.1060**	**.2786**	**.9109**	**8.586**	**52.06**
Stddev	.1339	.1661	.3918	.1202	7.685	10.24
%RSD	178.0	156.8	140.7	13.19	89.51	19.67
#1	-.1653	-.2817	-.1325	.9102	1.594	58.30
#2	-.1390	.0485	.6478	.7911	16.81	57.63
#3	.0787	-.0847	.3204	1.031	7.348	40.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8143**	**-.0116**	**65.94**	**.1653**	**1.018**	**-.6905**
Stddev	5.455	.0264	42.16	.2168	.690	.6017
%RSD	670.0	227.7	63.93	131.2	67.79	87.14
#1	2.999	-.0030	101.9	.1848	.6343	-1.385
#2	-5.395	-.0412	76.40	.3716	.6051	-.3546
#3	4.839	.0094	19.54	-.0607	1.815	-.3318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 14:30:09 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1729**	**-2.037**	**.3993**	**.1078**	**2.333**	**.4311**
Stddev	1.984	1.161	.2728	.1203	1.096	.3494
%RSD	1147.	57.01	68.33	111.6	46.99	81.05
#1	1.964	-.8233	.1012	-.0223	3.025	.7322
#2	-1.955	-2.151	.6367	.2151	2.906	.5132
#3	-.5284	-3.138	.4599	.1306	1.069	.0479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0839**	**.1274**	**.1769**	**1.867**
Stddev	.2583	.1923	.1185	14.71
%RSD	308.0	150.9	66.99	788.2
#1	.0753	.3340	.3059	-3.839
#2	-.3819	-.0464	.1516	18.58
#3	.0549	.0948	.0731	-9.141
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5101.2**	**31408.**	**4782.4**
Stddev	5.2	105.	29.8
%RSD	.10235	.33515	.62358
#1	5099.6	31352.	4758.3
#2	5096.9	31529.	4815.8
#3	5107.0	31342.	4773.1

Sample Name: CCVL Acquired: 8/23/2016 14:34:10 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**191.6**	**12.07**	**9.855**	**198.9**	**1.714**	**4501.**
Stddev	7.2	.37	.055	.6	.053	41.
%RSD	3.764	3.081	.5555	.2909	3.090	.9070
#1	199.2	11.65	9.911	198.4	1.707	4481.
#2	190.7	12.36	9.802	198.7	1.665	4548.
#3	184.8	12.20	9.851	199.5	1.770	4475.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.872**	**51.02**	**9.688**	**23.33**	**175.6**	**4326.**
Stddev	.124	.21	.499	.40	6.7	28.
%RSD	3.213	.4099	5.155	1.731	3.837	.6458
#1	3.749	50.81	9.114	23.07	169.1	4306.
#2	3.998	51.03	9.926	23.13	175.2	4358.
#3	3.870	51.23	10.02	23.80	182.6	4313.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4546.**	**14.55**	**4234.**	**42.27**	**12.33**	**17.79**
Stddev	55.	.14	26.	.70	.78	1.72
%RSD	1.216	.9300	.6062	1.661	6.357	9.665
#1	4488.	14.43	4239.	42.98	12.83	17.61
#2	4598.	14.53	4207.	41.57	12.73	19.59
#3	4552.	14.70	4257.	42.26	11.43	16.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 14:34:10 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.16**	**21.15**	**46.78**	**32.39**	**49.73**	**18.67**
Stddev	2.22	3.31	.52	.19	.06	.43
%RSD	11.58	15.63	1.103	.5763	.1207	2.285
#1	16.64	20.60	46.22	32.53	49.77	18.40
#2	20.80	24.69	46.87	32.46	49.66	19.17
#3	20.06	18.15	47.24	32.17	49.76	18.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.48**	**19.00**	**19.71**	F **20.61**
Stddev	1.58	.03	.27	8.74
%RSD	3.264	.1667	1.381	42.43
#1	46.85	18.97	19.44	22.01
#2	50.01	18.98	19.70	11.25
#3	48.58	19.03	19.98	28.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5110.7**	**31252.**	**4756.3**
Stddev	34.5	14.	42.8
%RSD	.67577	.04586	.90001
#1	5134.8	31248.	4710.5
#2	5126.2	31268.	4795.3
#3	5071.1	31240.	4763.2

Sample Name: mb 460-386213/1-a Acquired: 8/23/2016 14:38:10 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.136**	**-2.413**	**.9689**	**-.0881**	**.0696**	**7.812**
Stddev	16.94	1.454	.1882	.1481	.0494	4.609
%RSD	329.9	60.26	19.42	168.1	70.97	59.00
#1	-5.166	-1.192	1.175	.0369	.0201	12.14
#2	24.69	-4.021	.8059	-.2517	.0699	8.325
#3	-4.117	-2.025	.9260	-.0496	.1189	2.967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0180**	**-.1090**	**.0940**	**.7523**	**3.879**	**-11.47**
Stddev	.0320	.0432	.4651	.1680	7.335	26.61
%RSD	177.6	39.63	494.8	22.33	189.1	232.0
#1	-.0092	-.0808	-.4301	.9137	-4.547	-30.28
#2	.0086	-.1588	.2545	.5784	7.345	18.98
#3	-.0535	-.0876	.4576	.7649	8.838	-23.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0932**	**-.0483**	**37.94**	**-.1657**	**.1074**	**-.6202**
Stddev	3.375	.0330	7.24	.2449	1.059	.8635
%RSD	3623.	68.30	19.07	147.8	985.6	139.2
#1	-3.988	-.0377	42.66	-.4435	.9954	-.7828
#2	1.994	-.0218	41.54	.0189	.3913	-1.391
#3	1.714	-.0852	29.61	-.0723	-1.064	.3130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386213/1-a Acquired: 8/23/2016 14:38:10 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.243**	**.3223**	**.3028**	**.2316**	**1.046**	**-.2046**
Stddev	2.952	.7269	.0601	.1293	.297	.2047
%RSD	131.6	225.5	19.85	55.83	28.40	100.0
#1	.4345	-.4728	.3675	.1535	1.044	-.2218
#2	-5.409	.4869	.2919	.1605	1.344	-.4001
#3	-1.755	.9528	.2488	.3809	.7500	.0081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0915**	**.0493**	**-.0449**	**20.13**
Stddev	.5718	.0530	.0349	12.01
%RSD	625.3	107.5	77.63	59.67
#1	-.6998	.0960	-.0244	22.86
#2	-.0097	-.0083	-.0851	30.54
#3	.4351	.0602	-.0252	6.985
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5065.3**	**31351.**	**4800.5**
Stddev	1.0	53.	32.9
%RSD	.01931	.16927	.68507
#1	5064.3	31401.	4818.4
#2	5065.4	31356.	4820.7
#3	5066.3	31296.	4762.6

Sample Name: 460-118589-a-1-c@5 Acquired: 8/23/2016 14:42:11 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37.78**	**-.3970**	**.9697**	**85.76**	**-.1425**	**103300.**
Stddev	1.76	1.741	.3673	.48	.0450	342.
%RSD	4.666	438.5	37.88	.5589	31.62	.3314
#1	37.25	.2469	1.341	85.38	-.1056	103600.
#2	39.74	-2.368	.6063	85.60	-.1291	103200.
#3	36.34	.9300	.9621	86.30	-.1927	103000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1185**	**3.854**	**2.082**	**5.070**	**19.88**	**569.3**
Stddev	.0929	.321	.350	.222	10.30	73.3
%RSD	78.44	8.334	16.82	4.376	51.83	12.87
#1	.1683	4.012	1.691	4.877	16.99	497.7
#2	.0113	3.484	2.366	5.021	31.31	566.2
#3	.1759	4.065	2.189	5.313	11.32	644.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29870.**	**130.5**	F **276100.**	**97.31**	**.2416**	**1.266**
Stddev	28.	.7	2326.	.60	1.978	1.495
%RSD	.0932	.5253	.8423	.6155	818.5	118.1
#1	29840.	129.9	278200.	97.03	-2.042	.8830
#2	29870.	130.4	276500.	98.00	1.349	-.0008
#3	29890.	131.2	273600.	96.90	1.417	2.915
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118589-a-1-c@5 Acquired: 8/23/2016 14:42:11 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0167**	**1.179**	**4.832**	**1.574**	**55.24**	**14.51**
Stddev	6.921	4.823	.176	.155	.62	.33
%RSD	41440.	409.1	3.641	9.872	1.130	2.251
#1	3.460	6.304	4.659	1.402	55.51	14.60
#2	4.477	.5041	4.824	1.615	54.53	14.15
#3	-7.987	-3.271	5.011	1.705	55.69	14.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3171**	**156.8**	**3.302**	**6274.**
Stddev	1.027	2.2	.141	95.
%RSD	323.9	1.398	4.279	1.511
#1	-1.195	154.4	3.149	6165.
#2	.8119	158.7	3.331	6323.
#3	-.5678	157.3	3.427	6335.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4659.7**	**28222.**	**4674.3**
Stddev	24.2	116.	29.2
%RSD	.51901	.41158	.62468
#1	4676.3	28319.	4687.4
#2	4670.8	28256.	4640.9
#3	4631.9	28093.	4694.7

Sample Name: sd 460-118589-a-1-c Acquired: 8/23/2016 14:46:10 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.03**	**-.6013**	**.7116**	**17.02**	**-.1356**	**20380.**
Stddev	2.49	1.310	.2082	.17	.1083	183.
%RSD	13.08	217.9	29.26	1.010	79.90	.9001
#1	18.25	.8565	.7003	16.87	-.2140	20180.
#2	21.82	-.9801	.5093	16.98	-.1807	20410.
#3	17.03	-1.680	.9253	17.21	-.0120	20540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1611**	**.6635**	**.8378**	**2.208**	**14.07**	**117.5**
Stddev	.1335	.2289	.5239	.127	2.78	11.7
%RSD	82.84	34.49	62.54	5.749	19.74	9.980
#1	.2688	.8968	.3761	2.121	14.97	114.9
#2	.0118	.4393	1.407	2.148	10.96	107.3
#3	.2029	.6544	.7300	2.353	16.29	130.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6191.**	**26.14**	**55200.**	**20.27**	**-.1891**	**-.0602**
Stddev	84.	.27	76.	.26	.8052	.7016
%RSD	1.357	1.026	.1381	1.301	425.9	1165.
#1	6116.	26.08	55120.	20.15	-.8721	-.3749
#2	6175.	25.90	55220.	20.57	.6987	.7436
#3	6282.	26.43	55270.	20.08	-.3938	-.5493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118589-a-1-c Acquired: 8/23/2016 14:46:10 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0295**	**-.4498**	**.7418**	**.4005**	**11.49**	**2.548**
Stddev	3.195	2.477	.2334	.1240	.50	.169
%RSD	10840.	550.8	31.46	30.97	4.345	6.636
#1	.1304	1.575	.4768	.2626	11.65	2.739
#2	3.173	.2873	.9165	.5029	10.93	2.419
#3	-3.215	-3.212	.8321	.4360	11.88	2.484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1064**	**30.98**	**1.796**	**1165.**
Stddev	1.096	.06	.089	1.
%RSD	1030.	.1842	4.984	.1250
#1	.2747	30.92	1.845	1163.
#2	.7480	31.02	1.693	1166.
#3	-1.342	31.00	1.850	1164.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4911.7**	**29676.**	**4679.0**
Stddev	18.6	98.	51.3
%RSD	.37770	.33033	1.0967
#1	4891.7	29771.	4721.9
#2	4914.8	29682.	4692.9
#3	4928.4	29575.	4622.2

Sample Name: 460-118835-b-1-e@5 Acquired: 8/23/2016 14:50:09 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**273.1**	**-1.945**	**.5729**	**153.3**	**-.0496**	**84610.**
Stddev	5.2	.858	.5034	.1	.1097	290.
%RSD	1.893	44.11	87.86	.0783	221.2	.3424
#1	267.7	-2.916	.1505	153.4	.0759	84350.
#2	273.8	-1.286	.4383	153.2	-.0977	84550.
#3	277.9	-1.635	1.130	153.5	-.1271	84920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3682**	**2.903**	**1.134**	**3.624**	**1021.**	**2440.**
Stddev	.0496	.238	.274	.384	10.	46.
%RSD	13.47	8.196	24.11	10.58	.9351	1.899
#1	.4120	2.629	1.066	3.210	1010.	2386.
#2	.3782	3.014	.9016	3.694	1029.	2472.
#3	.3144	3.064	1.436	3.967	1023.	2460.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2483.**	**810.9**	F **286100.**	**4.751**	**1.005**	**-.7197**
Stddev	26.	.2	3032.	.337	1.758	.9588
%RSD	1.033	.0215	1.060	7.091	174.9	133.2
#1	2454.	811.1	289600.	4.444	.8256	-1.819
#2	2489.	811.0	284600.	5.111	2.846	-.2822
#3	2504.	810.7	284200.	4.697	-.6562	-.0578
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118835-b-1-e@5 Acquired: 8/23/2016 14:50:09 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.056**	**-1.785**	**.5982**	**27.95**	**41.96**	**-.1783**
Stddev	2.497	3.821	.2933	.35	.28	.1069
%RSD	236.5	214.1	49.03	1.245	.6690	59.98
#1	-3.435	1.387	.3219	27.59	41.64	-.0832
#2	1.544	-.7143	.5667	28.29	42.17	-.1576
#3	-1.276	-6.027	.9060	27.97	42.08	-.2940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4384**	**173.4**	**16.48**	**1640.**
Stddev	.3397	1.9	.40	35.
%RSD	77.47	1.083	2.440	2.158
#1	-.7001	171.2	16.87	1611.
#2	-.0546	174.7	16.50	1630.
#3	-.5606	174.3	16.07	1679.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4724.9**	**28477.**	**4630.7**
Stddev	15.4	74.	57.4
%RSD	.32619	.26098	1.2404
#1	4708.4	28563.	4594.0
#2	4727.6	28432.	4696.9
#3	4738.9	28436.	4601.2

Sample Name: 460-118835-b-2-g@5 Acquired: 8/23/2016 14:54:05 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**237.3**	**-1.426**	**.9094**	**104.8**	**.0664**	**34690.**
Stddev	3.1	1.505	.5224	.6	.0978	296.
%RSD	1.324	105.6	57.44	.5801	147.2	.8533
#1	233.9	-2.740	1.451	104.2	.0013	34500.
#2	240.1	-1.752	.8695	105.1	.0191	34540.
#3	238.0	.2159	.4082	105.3	.1789	35030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3062**	**5.077**	**2.461**	**3.000**	**994.9**	**2579.**
Stddev	.0354	.235	.268	.221	28.5	79.
%RSD	11.56	4.624	10.90	7.373	2.864	3.056
#1	.3461	5.345	2.566	2.754	962.7	2534.
#2	.2937	4.981	2.157	3.062	1005.	2533.
#3	.2788	4.906	2.662	3.184	1017.	2670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2088.**	**559.0**	F **286300.**	**7.613**	**3.458**	**.0045**
Stddev	47.	1.9	1668.	.344	1.343	1.314
%RSD	2.226	.3309	.5825	4.522	38.85	29200.
#1	2046.	558.8	288100.	7.765	4.427	.5243
#2	2081.	557.2	286100.	7.854	4.023	-1.490
#3	2138.	560.9	284800.	7.219	1.924	.9791
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118835-b-2-g@5 Acquired: 8/23/2016 14:54:05 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.090**	**-4.273**	**.0933**	**75.68**	**29.90**	**-.0882**
Stddev	4.729	.378	.1681	1.28	.50	.2903
%RSD	226.2	8.841	180.2	1.694	1.657	329.0
#1	-.7458	-3.845	.1052	74.33	29.33	.0328
#2	7.549	-4.412	-.0805	75.84	30.09	.1220
#3	-.5329	-4.561	.2551	76.88	30.27	-.4195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4876**	**79.45**	**7.908**	**1795.**
Stddev	.3069	.56	.876	20.
%RSD	62.95	.7003	11.08	1.097
#1	.2578	78.90	8.570	1777.
#2	.8361	79.44	6.915	1816.
#3	.3688	80.02	8.239	1792.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4740.8**	**28431.**	**4644.5**
Stddev	18.1	103.	28.9
%RSD	.38219	.36324	.62125
#1	4725.9	28480.	4673.9
#2	4735.6	28501.	4643.4
#3	4761.0	28313.	4616.2

Sample Name: 460-118827-k-1-g@5 Acquired: 8/23/2016 14:58:04 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**185.4**	**-1.877**	**.8484**	**47.33**	**-.0586**	**2547.**
Stddev	5.8	.738	.3936	.43	.0540	10.
%RSD	3.147	39.35	46.40	.9107	92.07	.3971
#1	190.1	-2.672	1.252	46.84	.0013	2557.
#2	187.4	-1.213	.4653	47.65	-.1033	2545.
#3	178.9	-1.745	.8280	47.51	-.0738	2537.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2670**	**2.043**	**.8555**	**6.155**	**175.8**	**842.3**
Stddev	.1391	.116	.6060	.334	7.1	69.0
%RSD	52.11	5.665	70.84	5.425	4.030	8.194
#1	.3492	2.172	1.436	5.874	168.7	838.0
#2	.3455	2.006	.2266	6.066	175.9	913.4
#3	.1063	1.950	.9042	6.524	182.9	775.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**464.4**	**529.3**	F **269600.**	**5.164**	**2.200**	**-.2125**
Stddev	3.3	1.7	1045.	.808	2.293	2.207
%RSD	.7172	.3215	.3876	15.65	104.2	1039.
#1	467.9	530.9	270600.	4.254	-.0094	-.7365
#2	461.2	529.4	269500.	5.440	2.041	2.209
#3	464.2	527.5	268500.	5.798	4.568	-2.110
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118827-k-1-g@5 Acquired: 8/23/2016 14:58:04 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.506**	**-.9053**	**.3450**	**41.08**	**47.33**	**-.3835**
Stddev	1.575	1.974	.7250	.33	.87	.2320
%RSD	62.84	218.1	210.1	.8110	1.829	60.51
#1	1.268	1.370	.5855	41.43	46.37	-.5325
#2	4.279	-2.165	.9192	40.76	47.56	-.5017
#3	1.972	-1.921	-.4697	41.06	48.06	-.1161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8178**	**11.99**	**5.299**	**562.4**
Stddev	.3370	.02	2.065	22.8
%RSD	41.21	.1804	38.98	4.054
#1	.4290	11.99	7.405	537.5
#2	.9970	11.97	3.277	582.3
#3	1.027	12.01	5.215	567.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4835.8**	**29013.**	**4717.8**
Stddev	23.6	70.	26.7
%RSD	.48738	.23959	.56495
#1	4861.1	29009.	4690.1
#2	4832.0	29085.	4720.0
#3	4814.4	28946.	4743.2

Sample Name: 460-118833-b-1-k@5 Acquired: 8/23/2016 15:02:03 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**316.9**	**.8473**	**.9003**	**138.4**	**-.0189**	F **360000.**
Stddev	5.1	.0932	.5145	.3	.0960	3882.
%RSD	1.594	11.00	57.15	.1920	506.6	1.078
#1	320.5	.7643	1.355	138.1	.0133	356000.
#2	311.1	.9482	1.004	138.5	-.1269	360300.
#3	319.1	.8294	.3421	138.6	.0568	363700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6206**	**4.415**	**-2.700**	**3.100**	**168.6**	**2663.**
Stddev	.0323	.060	.747	.391	4.4	40.
%RSD	5.212	1.368	27.66	12.62	2.593	1.519
#1	.6553	4.425	-3.500	2.793	173.6	2624.
#2	.5912	4.470	-2.582	2.966	165.2	2659.
#3	.6153	4.350	-2.020	3.540	167.2	2705.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12280.**	**882.6**	**6100.**	**8.205**	**1.263**	**-.1035**
Stddev	179.	5.7	48.	.632	1.099	1.282
%RSD	1.456	.6502	.7908	7.700	87.01	1239.
#1	12080.	876.2	6046.	8.892	1.968	-.0316
#2	12320.	884.1	6114.	7.648	1.824	1.141
#3	12440.	887.4	6140.	8.076	-.0032	-1.420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118833-b-1-k@5 Acquired: 8/23/2016 15:02:03 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.796**	**-7.285**	**1.155**	**18.29**	**70.19**	**.6282**
Stddev	2.119	2.713	.477	.19	.41	.2569
%RSD	118.0	37.25	41.26	1.048	.5844	40.89
#1	3.067	-4.161	.9641	18.06	70.35	.3316
#2	-.6508	-9.053	.8040	18.38	69.72	.7804
#3	2.971	-8.640	1.698	18.41	70.49	.7726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0500**	**1748.**	**13.40**	**12120.**
Stddev	.5020	1.	.30	75.
%RSD	1003.	.0507	2.253	.6146
#1	.0785	1747.	13.71	12170.
#2	.3752	1747.	13.40	12150.
#3	-.6038	1749.	13.10	12040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4681.4**	**28624.**	**4608.3**
Stddev	12.8	112.	74.5
%RSD	.27372	.39088	1.6162
#1	4667.0	28744.	4683.2
#2	4685.7	28607.	4607.4
#3	4691.5	28522.	4534.3

Sample Name: 460-118861-e-1-b@5 Acquired: 8/23/2016 15:06:00 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.250**	**-2.869**	**.9649**	**6.954**	**-.0848**	**760.7**
Stddev	6.660	.442	.4905	.138	.0893	15.4
%RSD	91.87	15.40	50.84	1.987	105.3	2.027
#1	3.542	-3.322	.4246	6.927	-.0070	774.3
#2	3.268	-2.845	1.088	6.832	-.1823	743.9
#3	14.94	-2.439	1.382	7.104	-.0650	764.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0066**	**-.0950**	**.0561**	**1.690**	**311.9**	**445.8**
Stddev	.1243	.1515	.3570	.072	4.0	43.0
%RSD	1874.	159.5	636.1	4.275	1.289	9.647
#1	-.0109	.0019	-.1583	1.755	312.9	440.3
#2	.1197	-.0173	-.1416	1.612	307.5	491.3
#3	-.1287	-.2696	.4682	1.704	315.3	405.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**88.81**	**8.288**	**3227.**	**.9974**	**-.0661**	**-.5099**
Stddev	1.49	.103	15.	.3783	.1407	1.015
%RSD	1.681	1.239	.4711	37.93	212.8	199.1
#1	88.17	8.380	3211.	1.305	.0393	.4007
#2	87.75	8.177	3241.	.5751	-.2258	-.3261
#3	90.52	8.305	3231.	1.112	-.0118	-1.604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118861-e-1-b@5 Acquired: 8/23/2016 15:06:00 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.382**	**-1.444**	**-.0431**	**19.37**	**15.34**	**-.1428**
Stddev	1.106	1.761	.3616	.04	.37	.1868
%RSD	32.70	122.0	839.7	.2288	2.397	130.8
#1	-3.544	-3.010	.3723	19.41	15.68	-.2734
#2	-2.204	-1.785	-.2868	19.38	15.40	.0712
#3	-4.398	.4624	-.2147	19.32	14.95	-.2262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1435**	**2.626**	**.1091**	**224.1**
Stddev	1.243	.018	.0491	14.1
%RSD	866.3	.6645	45.07	6.273
#1	1.265	2.606	.1604	221.2
#2	-1.089	2.634	.0625	211.8
#3	-.6069	2.638	.1043	239.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5076.5**	**31458.**	**4815.5**
Stddev	13.8	41.	30.6
%RSD	.27123	.13131	.63539
#1	5076.4	31451.	4849.8
#2	5062.7	31502.	4805.9
#3	5090.3	31420.	4790.9

Sample Name: 460-118861-f-2-b@5 Acquired: 8/23/2016 15:10:00 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22.36**	**-2.518**	**.7266**	**6.799**	**-.1002**	**1053.**
Stddev	9.35	1.233	.3319	.218	.1843	6.
%RSD	41.81	48.98	45.67	3.203	184.0	.5318
#1	15.48	-2.123	.9971	7.035	.1053	1047.
#2	33.00	-1.530	.8264	6.755	-.1548	1053.
#3	18.60	-3.899	.3563	6.606	-.2511	1058.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0980**	**-.0526**	**-.0319**	**2.143**	**418.8**	**553.6**
Stddev	.0486	.1186	.3763	.286	5.3	10.0
%RSD	49.60	225.7	1181.	13.33	1.265	1.802
#1	.0436	-.1753	-.4661	2.458	414.0	547.6
#2	.1371	-.0439	.1728	1.899	418.0	565.1
#3	.1134	.0615	.1977	2.073	424.5	548.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**109.6**	**29.11**	**2441.**	**.2187**	**.6591**	**-.5384**
Stddev	8.1	.46	36.	.1921	1.635	.1810
%RSD	7.409	1.568	1.465	87.82	248.0	33.63
#1	100.2	28.58	2401.	.1745	.2302	-.6390
#2	113.7	29.40	2468.	.0526	-.7183	-.6467
#3	114.8	29.34	2455.	.4290	2.465	-.3294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118861-f-2-b@5 Acquired: 8/23/2016 15:10:00 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.006**	**-1.766**	**.4350**	**12.04**	**13.34**	**-.1815**
Stddev	3.674	.948	.4923	.12	.49	.1462
%RSD	365.2	53.70	113.2	1.032	3.708	80.54
#1	-.1404	-2.243	.4622	11.91	13.27	-.3501
#2	-1.958	-.6738	-.0703	12.03	13.86	-.1034
#3	5.116	-2.381	.9131	12.16	12.88	-.0909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0214**	**7.866**	**.2534**	**250.8**
Stddev	.3326	.074	.0239	11.8
%RSD	1558.	.9477	9.413	4.722
#1	.3211	7.796	.2454	250.5
#2	.0794	7.944	.2346	239.2
#3	-.3364	7.856	.2802	262.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5061.7**	**31373.**	**4787.3**
Stddev	1.9	94.	59.9
%RSD	.03778	.29862	1.2522
#1	5061.8	31477.	4850.3
#2	5059.7	31346.	4780.6
#3	5063.5	31296.	4731.0

Sample Name: 460-118861-f-3-b@5 Acquired: 8/23/2016 15:14:00 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.93**	**26.97**	**9.574**	**41.77**	**-.0790**	**46690.**
Stddev	6.81	.79	.102	.37	.0274	485.
%RSD	12.64	2.939	1.060	.8860	34.70	1.039
#1	46.08	26.53	9.632	41.44	-.1088	46480.
#2	57.33	26.48	9.634	41.71	-.0736	47240.
#3	58.37	27.88	9.457	42.17	-.0548	46340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.167**	**2.199**	**5.327**	**2.140**	F **246100.**	F **256600.**
Stddev	.415	.148	.660	.290	1800.	1540.
%RSD	6.729	6.714	12.40	13.55	.7313	.6004
#1	6.346	2.308	4.645	1.827	245400.	258100.
#2	5.692	2.257	5.963	2.193	248200.	256600.
#3	6.462	2.031	5.374	2.400	244700.	255000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					200000.	100000.
Low Limit					-150.0	-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8565.**	F **15690.**	**210300.**	**20.48**	**51.19**	**-4.184**
Stddev	101.	98.	3867.	.25	.38	1.407
%RSD	1.175	.6250	1.839	1.238	.7395	33.63
#1	8480.	15740.	214600.	20.20	50.76	-5.021
#2	8676.	15760.	209200.	20.70	51.46	-4.972
#3	8539.	15580.	207100.	20.55	51.35	-2.560
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-118861-f-3-b@5 Acquired: 8/23/2016 15:14:00 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**68.78**	F **-106.6**	**-8.709**	**2236.**	**26.31**	**.2179**
Stddev	4.11	5.4	.494	6.	.69	.1908
%RSD	5.979	5.040	5.676	.2841	2.634	87.58
#1	64.06	-111.0	-8.139	2243.	26.03	.4373
#2	71.52	-100.6	-8.965	2230.	27.10	.1251
#3	70.78	-108.2	-9.023	2237.	25.81	.0912
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**46.23**	**180.3**	**5.388**	**566.7**
Stddev	.89	.2	.191	4.4
%RSD	1.930	.0876	3.550	.7733
#1	45.72	180.4	5.535	568.4
#2	45.71	180.3	5.456	561.7
#3	47.26	180.1	5.171	569.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4219.9**	**27366.**	**4919.6**
Stddev	12.0	71.	62.0
%RSD	.28483	.25947	1.2594
#1	4232.0	27333.	4861.6
#2	4219.6	27448.	4912.3
#3	4207.9	27318.	4984.9

Sample Name: CCV Acquired: 8/23/2016 15:18:06 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119000.**	**2655.**	**1212.**	**10140.**	**989.3**	**116900.**
Stddev	672.	12.	7.	65.	6.0	731.
%RSD	.5644	.4519	.5557	.6391	.6040	.6256
#1	118600.	2649.	1209.	10070.	983.4	116500.
#2	118700.	2648.	1208.	10160.	989.2	116400.
#3	119800.	2669.	1220.	10200.	995.3	117700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1247.**	**2601.**	**4862.**	**12350.**	**95860.**	**48060.**
Stddev	9.	12.	29.	73.	537.	248.
%RSD	.7524	.4740	.5872	.5947	.5605	.5165
#1	1236.	2586.	4844.	12270.	95500.	47850.
#2	1249.	2607.	4848.	12380.	95610.	48000.
#3	1255.	2608.	4895.	12400.	96480.	48340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**118600.**	**4799.**	**119700.**	**2610.**	**7747.**	**1053.**
Stddev	769.	31.	602.	14.	53.	2.
%RSD	.6483	.6458	.5031	.5354	.6880	.2226
#1	118100.	4775.	119200.	2594.	7688.	1050.
#2	118300.	4788.	119500.	2613.	7762.	1055.
#3	119500.	4834.	120400.	2621.	7791.	1054.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 15:18:06 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2620.**	**2544.**	**2445.**	**2526.**	**1063.**	**2456.**
Stddev	18.	20.	13.	20.	10.	18.
%RSD	.6892	.7958	.5494	.7770	.9497	.7319
#1	2602.	2520.	2432.	2505.	1051.	2435.
#2	2638.	2555.	2443.	2529.	1068.	2464.
#3	2619.	2555.	2459.	2544.	1070.	2468.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1018.**	**5002.**	**9779.**	**10370.**
Stddev	9.	26.	60.	142.
%RSD	.8891	.5149	.6084	1.366
#1	1008.	4978.	9720.	10210.
#2	1022.	5000.	9778.	10490.
#3	1025.	5029.	9839.	10420.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4636.7**	**28548.**	**4615.5**
Stddev	13.2	64.	49.7
%RSD	.28507	.22399	1.0764
#1	4651.8	28564.	4591.6
#2	4630.7	28602.	4672.6
#3	4627.4	28477.	4582.2

Sample Name: CCB Acquired: 8/23/2016 15:21:41 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.435**	**-3.064**	**.9908**	**-.0205**	**-.0161**	**9.058**
Stddev	6.033	.778	.1962	.1746	.1400	4.069
%RSD	111.0	25.39	19.81	850.1	869.7	44.92
#1	11.54	-2.634	.8254	.0090	.1351	13.59
#2	-.5198	-2.595	.9394	.1374	-.1412	7.865
#3	5.281	-3.962	1.208	-.2080	-.0422	5.719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0094**	**-.1370**	**.2466**	**.9018**	**8.214**	**127.6**
Stddev	.0487	.1074	.1974	.1984	9.140	29.9
%RSD	519.7	78.38	80.04	22.00	111.3	23.47
#1	.0447	-.0802	.1169	.7211	7.804	149.8
#2	-.0231	-.0700	.4738	.8703	-.7154	139.4
#3	-.0498	-.2609	.1492	1.114	17.55	93.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.297**	**-.0044**	**108.0**	**.2216**	**1.139**	**-.6263**
Stddev	4.559	.0544	24.2	.4000	.734	1.303
%RSD	138.3	1244.	22.41	180.5	64.41	208.1
#1	1.224	-.0554	123.2	.4365	1.341	-2.012
#2	-3.222	-.0105	120.8	-.2398	.3254	.5747
#3	-7.893	.0528	80.12	.4683	1.750	-.4412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 15:21:41 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.085**	**-1.214**	**.1965**	**.0597**	**2.179**	**.4379**
Stddev	4.011	3.912	.2503	.1518	.642	.4720
%RSD	369.5	322.2	127.4	254.1	29.45	107.8
#1	5.236	.3435	.4688	.2129	2.900	.9385
#2	-2.769	1.679	-.0234	.0569	1.967	.3741
#3	.7893	-5.665	.1440	-.0906	1.670	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0280**	**.0424**	**.3053**	**21.08**
Stddev	.5139	.0929	.1409	8.15
%RSD	1836.	218.9	46.13	38.65
#1	-.3923	.0159	.3487	12.82
#2	.6010	.1457	.4194	29.11
#3	-.1247	-.0343	.1479	21.31
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5058.4**	**31143.**	**4713.1**
Stddev	33.1	136.	18.3
%RSD	.65481	.43749	.38774
#1	5086.3	31300.	4719.4
#2	5067.1	31072.	4727.3
#3	5021.8	31057.	4692.5

Sample Name: CCVL Acquired: 8/23/2016 15:25:42 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**188.3**	**12.36**	**9.595**	**197.6**	**1.914**	**4456.**
Stddev	5.3	.76	.366	.7	.238	8.
%RSD	2.798	6.157	3.816	.3784	12.45	.1817
#1	192.1	12.81	9.470	198.4	1.638	4447.
#2	190.5	12.78	10.01	197.5	2.050	4456.
#3	182.3	11.48	9.307	197.0	2.052	4464.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.879**	**50.92**	**9.786**	**23.80**	**171.6**	**4286.**
Stddev	.024	.18	.697	.50	12.9	52.
%RSD	.6273	.3529	7.126	2.093	7.531	1.217
#1	3.882	51.13	10.59	23.39	156.7	4236.
#2	3.853	50.87	9.371	24.36	180.1	4280.
#3	3.902	50.78	9.396	23.66	178.1	4340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4539.**	**14.46**	**4237.**	**41.21**	**11.98**	**18.94**
Stddev	44.	.08	49.	.10	.43	.34
%RSD	.9664	.5737	1.153	.2372	3.572	1.772
#1	4500.	14.54	4182.	41.26	11.52	18.65
#2	4529.	14.38	4254.	41.27	12.36	19.31
#3	4587.	14.47	4276.	41.09	12.06	18.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 15:25:42 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.44**	**21.51**	**46.52**	**32.15**	**48.56**	**18.29**
Stddev	4.74	2.17	.72	.12	.34	.28
%RSD	22.11	10.09	1.553	.3702	.6969	1.531
#1	16.09	20.84	45.88	32.27	48.88	18.36
#2	23.11	23.93	46.38	32.03	48.21	18.53
#3	25.13	19.75	47.31	32.15	48.59	17.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.99**	**18.81**	**19.54**	F **20.99**
Stddev	.90	.13	.15	6.74
%RSD	1.846	.6780	.7730	32.12
#1	50.03	18.67	19.37	28.67
#2	48.36	18.85	19.59	18.30
#3	48.58	18.92	19.66	16.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4969.5**	**30491.**	**4682.1**
Stddev	24.7	43.	11.2
%RSD	.49639	.14027	.24002
#1	4949.9	30490.	4674.2
#2	4961.6	30534.	4694.9
#3	4997.2	30448.	4677.1

Sample Name: 460-118862-f-1-d@5 Acquired: 8/23/2016 15:29:42 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**90.14**	**5.465**	**-.6631**	**29.86**	**-.3511**	F **2550000.**
Stddev	19.08	.906	.1584	.07	.0860	4993.
%RSD	21.17	16.57	23.88	.2219	24.48	.1958
#1	101.8	6.353	-.7008	29.81	-.3473	2548000.
#2	68.12	5.497	-.4893	29.94	-.2672	2545000.
#3	100.5	4.543	-.7992	29.85	-.4390	2555000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.28**	**1.271**	F **-24.39**	**24.81**	**6549.**	F **125500.**
Stddev	.23	.245	.75	.31	64.	1013.
%RSD	.5730	19.31	3.082	1.251	.9777	.8075
#1	40.04	1.002	-24.50	25.05	6520.	126500.
#2	40.50	1.484	-25.08	24.91	6505.	125400.
#3	40.29	1.325	-23.59	24.46	6622.	124500.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			10000.			100000.
Low Limit			-20.00			-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**851.9**	**999.4**	**73190.**	**5.722**	F **-12.15**	**-5.550**
Stddev	1.2	1.3	1048.	.472	.71	1.690
%RSD	.1428	.1348	1.432	8.242	5.876	30.45
#1	851.0	1000.	74280.	5.324	-11.33	-5.604
#2	851.3	997.9	73100.	5.600	-12.50	-3.834
#3	853.3	999.9	72190.	6.243	-12.62	-7.212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-118862-f-1-d@5 Acquired: 8/23/2016 15:29:42 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.908**	F **-83.83**	**-.7765**	F **5219.**	**1175.**	**-.5778**
Stddev	4.211	1.87	.7072	31.	11.	.4024
%RSD	144.8	2.225	91.07	.6010	.9160	69.64
#1	-4.607	-85.92	-.5807	5253.	1163.	-.5877
#2	1.887	-83.25	-1.561	5190.	1177.	-.1705
#3	-6.005	-82.33	-.1878	5214.	1185.	-.9751
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		5000.		5000.		
Low Limit		-20.00		-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-8.363**	F **44630.**	**-3.679**	**286.7**
Stddev	.546	265.	.326	14.8
%RSD	6.526	.5940	8.869	5.160
#1	-8.446	44890.	-4.035	287.4
#2	-7.781	44660.	-3.395	301.1
#3	-8.863	44360.	-3.606	271.5
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		10000.		
Low Limit		-50.00		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.4**	**24518.**	**4245.6**
Stddev	22.9	180.	62.6
%RSD	.56383	.73414	1.4749
#1	4047.8	24391.	4194.4
#2	4052.7	24440.	4227.0
#3	4089.7	24724.	4315.4

Sample Name: 460-118863-b-1-b@5 Acquired: 8/23/2016 15:33:54 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**190.3**	**2.352**	**.9953**	**41.91**	**-.0205**	**138900.**
Stddev	10.4	1.027	.2341	.15	.1008	2919.
%RSD	5.465	43.67	23.52	.3497	491.4	2.102
#1	191.4	2.486	1.173	41.74	-.1118	142200.
#2	200.1	1.265	.7302	41.99	-.0374	136800.
#3	179.4	3.306	1.082	42.00	.0877	137600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.40**	**36.61**	**156.6**	**28.71**	**50.01**	**6165.**
Stddev	.15	.21	1.6	.84	6.89	56.
%RSD	.9968	.5742	1.030	2.910	13.77	.9161
#1	15.22	36.39	158.1	27.91	44.96	6109.
#2	15.47	36.62	154.9	28.65	57.85	6164.
#3	15.50	36.81	156.6	29.58	47.22	6222.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47230.**	**66.82**	F **317500.**	**1.449**	**149.4**	**.9101**
Stddev	692.	.61	2732.	.629	1.2	1.230
%RSD	1.466	.9134	.8606	43.43	.8019	135.1
#1	48030.	67.11	320500.	2.173	148.0	.8139
#2	46810.	66.11	315300.	1.143	150.4	-.2688
#3	46850.	67.23	316500.	1.031	149.8	2.185
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118863-b-1-b@5 Acquired: 8/23/2016 15:33:54 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.815**	**-7.077**	**2.611**	**383.6**	**47.36**	**1.584**
Stddev	2.147	2.506	.159	3.3	.70	.303
%RSD	36.93	35.42	6.101	.8617	1.472	19.11
#1	8.293	-7.771	2.436	385.3	47.11	1.271
#2	4.645	-4.296	2.747	379.7	48.15	1.875
#3	4.507	-9.163	2.651	385.6	46.82	1.606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.812**	**151.7**	**17.64**	**1164.**
Stddev	.604	1.4	2.92	14.
%RSD	33.33	.9253	16.56	1.196
#1	1.327	151.2	20.96	1150.
#2	2.488	150.7	15.45	1164.
#3	1.620	153.3	16.53	1177.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4518.9**	**27252.**	**4614.9**
Stddev	25.6	416.	95.2
%RSD	.56738	1.5272	2.0633
#1	4528.6	26771.	4694.8
#2	4489.8	27483.	4640.4
#3	4538.3	27501.	4509.6

Sample Name: 460-118863-b-2-c@5 Acquired: 8/23/2016 15:37:51 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**69.27**	**-.2793**	**.7364**	**19.05**	**-.0704**	F **373100.**
Stddev	8.21	1.983	.2805	.30	.1126	6427.
%RSD	11.86	710.1	38.09	1.557	160.0	1.722
#1	60.04	-2.000	.5316	18.71	.0200	379500.
#2	71.98	-.7269	.6216	19.16	-.0346	366700.
#3	75.78	1.889	1.056	19.27	-.1965	373200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2068**	**7.565**	**114.3**	**3.421**	**11.53**	**10480.**
Stddev	.0542	.281	1.5	.351	13.69	43.
%RSD	26.18	3.714	1.304	10.25	118.7	.4141
#1	.2157	7.248	115.9	3.789	25.25	10450.
#2	.1488	7.784	113.0	3.384	11.48	10470.
#3	.2560	7.662	114.1	3.090	-2.129	10530.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8756**	**.1248**	F **298200.**	**-.5367**	**117.4**	**.4194**
Stddev	3.824	.0596	4864.	.4508	.9	1.189
%RSD	436.7	47.73	1.631	83.98	.7966	283.5
#1	1.652	.1660	303800.	-1.034	117.9	-.7911
#2	4.252	.1518	296000.	-.1555	116.3	1.585
#3	-3.276	.0565	294800.	-.4205	117.9	.4638
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118863-b-2-c@5 Acquired: 8/23/2016 15:37:51 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.818**	**-5.248**	**.0095**	**152.4**	**22.91**	**3.455**
Stddev	2.958	3.407	.3108	1.0	.42	.197
%RSD	37.84	64.93	3271.	.6655	1.833	5.693
#1	7.381	-5.603	-.1297	152.4	23.26	3.236
#2	5.103	-1.676	-.2074	151.3	23.01	3.617
#3	10.97	-8.463	.3656	153.4	22.44	3.514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3222**	**161.6**	**3.485**	**123.6**
Stddev	.2287	2.0	.267	19.6
%RSD	70.97	1.207	7.671	15.86
#1	.1426	159.6	3.548	101.5
#2	.2444	161.6	3.191	130.2
#3	.5796	163.5	3.715	139.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4505.9**	**27355.**	**4369.0**
Stddev	12.3	290.	343.7
%RSD	.27313	1.0611	7.8668
#1	4515.4	27054.	3987.2
#2	4492.0	27633.	4466.1
#3	4510.3	27379.	4653.7

Sample Name: 460-118863-b-3-b@5 Acquired: 8/23/2016 15:41:49 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**80.13**	**1.856**	**.5370**	**16.35**	**-.0777**	F **413500.**
Stddev	5.79	1.512	.5557	.20	.2036	1589.
%RSD	7.231	81.50	103.5	1.203	261.9	.3843
#1	82.12	2.507	.8198	16.18	-.1612	411900.
#2	84.66	.1269	.8945	16.56	.1543	413500.
#3	73.60	2.934	-.1032	16.30	-.2263	415100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3429**	**16.80**	**920.6**	**26.46**	**88.05**	**8436.**
Stddev	.1271	.29	3.6	.28	1.45	134.
%RSD	37.08	1.753	.3889	1.074	1.652	1.586
#1	.2194	16.62	916.5	26.22	89.20	8305.
#2	.4734	16.63	923.3	26.77	88.54	8433.
#3	.3358	17.14	921.9	26.39	86.42	8572.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.796**	**.9425**	F **296500.**	**-.1044**	**72.03**	**-5.126**
Stddev	6.741	.1004	1587.	.4218	1.27	.970
%RSD	68.82	10.66	.5354	403.9	1.764	18.92
#1	17.57	1.049	297900.	-.5646	73.17	-6.233
#2	5.611	.8490	296800.	.2637	72.25	-4.719
#3	6.204	.9299	294800.	-.0124	70.66	-4.426
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118863-b-3-b@5 Acquired: 8/23/2016 15:41:49 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.562**	**-4.317**	**.1530**	**39.15**	**31.35**	**39.54**
Stddev	2.729	.753	.2507	.43	.29	.61
%RSD	174.7	17.44	163.9	1.092	.9223	1.550
#1	4.585	-3.799	.4231	39.20	31.21	38.90
#2	-.7211	-5.180	.1078	38.70	31.15	39.59
#3	.8235	-3.970	-.0720	39.55	31.68	40.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.510**	**155.2**	**3.406**	**194.4**
Stddev	.492	1.7	.031	20.9
%RSD	32.60	1.119	.9136	10.75
#1	1.119	153.6	3.399	173.8
#2	1.348	154.9	3.378	215.6
#3	2.063	157.0	3.439	193.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4508.6**	**26863.**	**4340.1**
Stddev	17.1	145.	130.4
%RSD	.37902	.53954	3.0047
#1	4518.7	26754.	4487.1
#2	4488.8	26807.	4295.1
#3	4518.2	27027.	4238.2

Sample Name: 460-118863-b-4-c@5 Acquired: 8/23/2016 15:45:47 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**60.06**	**-3.183**	**.8866**	**25.72**	**-.1152**	F **265200.**
Stddev	3.28	2.798	.0487	.22	.1045	1222.
%RSD	5.464	87.90	5.490	.8443	90.65	.4609
#1	59.68	-.8543	.8467	25.67	-.1677	263800.
#2	56.99	-6.286	.9408	25.96	.0051	266000.
#3	63.52	-2.408	.8722	25.54	-.1830	265900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2925**	**-.1205**	**-1.878**	**14.72**	**17.90**	**1962.**
Stddev	.0383	.0191	.133	.31	6.90	86.
%RSD	13.10	15.83	7.058	2.133	38.53	4.365
#1	.2485	-.1131	-1.998	14.37	20.45	1881.
#2	.3110	-.1422	-1.901	14.96	10.09	1954.
#3	.3181	-.1063	-1.736	14.84	23.16	2052.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.290**	**1.013**	F **406900.**	**-.0997**	**11.89**	**-2.078**
Stddev	1.366	.067	2694.	.4246	1.64	1.097
%RSD	14.70	6.632	.6622	425.8	13.79	52.82
#1	10.87	.9756	409700.	-.5691	10.82	-.9245
#2	8.434	.9730	404300.	.0119	11.08	-3.109
#3	8.572	1.091	406700.	.2579	13.78	-2.200
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118863-b-4-c@5 Acquired: 8/23/2016 15:45:47 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.824**	**-4.184**	**-.0822**	**332.6**	**32.78**	**1.549**
Stddev	3.544	1.425	.3346	1.0	.35	.229
%RSD	125.5	34.07	407.1	.3062	1.073	14.77
#1	-1.116	-5.674	.1953	332.2	32.72	1.617
#2	3.835	-4.044	-.4537	333.8	33.15	1.735
#3	5.752	-2.834	.0119	331.9	32.45	1.293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0690**	**215.3**	**3.270**	**278.2**
Stddev	.8572	1.4	.340	15.1
%RSD	1242.	.6644	10.40	5.441
#1	-.9705	214.1	2.972	261.9
#2	.0280	214.9	3.198	280.9
#3	.7356	216.9	3.641	291.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4488.6**	**27583.**	**4681.3**
Stddev	19.8	78.	29.1
%RSD	.44115	.28366	.62230
#1	4465.7	27670.	4687.2
#2	4498.9	27557.	4707.1
#3	4501.0	27520.	4649.7

Sample Name: 460-118735-a-1-b@5 Acquired: 8/23/2016 15:49:45 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.75**	**-2.623**	**1.004**	**2.046**	**-.0070**	**252.9**
Stddev	3.83	1.558	.400	.048	.1031	6.0
%RSD	24.31	59.40	39.86	2.342	1478.	2.373
#1	20.10	-2.637	1.371	2.101	.0707	255.1
#2	14.23	-4.174	.5776	2.024	.0323	257.4
#3	12.91	-1.058	1.063	2.013	-.1240	246.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1179**	**-.0682**	**-.2203**	**.9671**	**16.70**	**93.58**
Stddev	.0438	.2022	.3194	.2905	7.06	10.45
%RSD	37.17	296.4	145.0	30.03	42.26	11.16
#1	-.1005	.1650	-.1461	1.014	11.09	91.52
#2	-.0854	-.1762	-.5703	.6562	14.38	84.32
#3	-.1677	-.1935	.0554	1.231	24.63	104.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.21**	**.1707**	**2655.**	**-.4405**	**.8814**	**-1.687**
Stddev	5.43	.0426	41.	.2530	2.005	1.825
%RSD	20.74	24.97	1.557	57.43	227.5	108.2
#1	27.43	.1297	2685.	-.2121	-.4264	-1.078
#2	20.27	.2148	2673.	-.7124	3.189	-3.739
#3	30.93	.1676	2608.	-.3970	-.1189	-.2444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118735-a-1-b@5 Acquired: 8/23/2016 15:49:45 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.505**	**-.9547**	**.1304**	**3.591**	**8.674**	**.0551**
Stddev	1.222	2.629	.3320	.159	.376	.4662
%RSD	34.88	275.4	254.5	4.419	4.329	846.9
#1	4.801	1.286	.4790	3.768	8.452	.5723
#2	2.373	-.3022	-.1820	3.460	8.462	-.3328
#3	3.341	-3.848	.0943	3.546	9.108	-.0744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0686**	**.5564**	**.1644**	**112.3**
Stddev	1.053	.1135	.0615	6.7
%RSD	1535.	20.40	37.43	5.984
#1	.5335	.6792	.1782	119.1
#2	.5449	.4554	.0972	112.0
#3	-1.284	.5345	.2179	105.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5110.8**	**31478.**	**4720.8**
Stddev	28.2	338.	32.9
%RSD	.55246	1.0727	.69748
#1	5081.1	31118.	4698.9
#2	5137.3	31788.	4704.9
#3	5114.0	31529.	4758.7

Sample Name: 460-118750-a-1-c@5 Acquired: 8/23/2016 15:53:45 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2112.**	**-1.828**	**1.199**	**49.15**	**.1281**	**76320.**
Stddev	14.	1.595	.336	.09	.1046	590.
%RSD	.6522	87.26	28.00	.1815	81.61	.7726
#1	2117.	-3.664	.8190	49.14	.0201	75640.
#2	2097.	-1.030	1.456	49.06	.2289	76700.
#3	2123.	-.7889	1.322	49.24	.1353	76620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.23**	**8.079**	**-.1122**	**10.12**	**22.95**	**28750.**
Stddev	.13	.120	.5676	.63	10.03	123.
%RSD	.8600	1.481	506.0	6.197	43.71	.4281
#1	15.29	8.031	-.4859	9.745	30.88	28730.
#2	15.08	8.215	.5409	9.774	26.29	28640.
#3	15.32	7.991	-.3915	10.85	11.67	28880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12410.**	**101.4**	F **570500.**	**29.57**	**1.281**	**37.06**
Stddev	239.	1.8	13520.	.57	1.611	1.09
%RSD	1.922	1.797	2.370	1.922	125.8	2.944
#1	12180.	99.84	584800.	29.53	2.971	36.54
#2	12390.	101.0	568800.	29.02	1.108	36.33
#3	12660.	103.4	557900.	30.16	-.2365	38.31
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118750-a-1-c@5 Acquired: 8/23/2016 15:53:45 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.319**	**-4.756**	**.8854**	F **5406.**	F **3610.**	**43.84**
Stddev	1.045	1.208	.3907	5.	11.	.57
%RSD	24.20	25.39	44.12	.0901	.2987	1.309
#1	3.914	-3.514	.4886	5411.	3599.	43.26
#2	3.537	-4.828	.8978	5404.	3610.	44.41
#3	5.506	-5.926	1.270	5402.	3620.	43.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit				5000.	2000.	
Low Limit				-50.00	-50.00	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4175**	**277.1**	**4.096**	**11530.**
Stddev	1.592	1.0	.226	36.
%RSD	381.3	.3529	5.527	.3144
#1	-1.318	277.8	3.939	11570.
#2	.7607	276.0	3.994	11520.
#3	1.809	277.4	4.356	11500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4595.9**	**27344.**	**4600.7**
Stddev	2.6	123.	31.6
%RSD	.05554	.44876	.68618
#1	4598.8	27470.	4621.2
#2	4594.5	27224.	4564.4
#3	4594.3	27339.	4616.5

Sample Name: 460-118750-a-2-c@5 Acquired: 8/23/2016 15:57:47 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**114.8**	**8.021**	**.6989**	**109.5**	**-.0849**	F **343700.**
Stddev	19.4	.952	.3394	.6	.0673	1928.
%RSD	16.89	11.87	48.57	.5565	79.30	.5610
#1	121.4	7.974	.3745	108.9	-.0633	342400.
#2	93.02	8.996	1.052	109.6	-.0310	345900.
#3	130.1	7.093	.6706	110.1	-.1603	342900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6464**	**-.5379**	**96.17**	**3.601**	**106.6**	**47960.**
Stddev	.1176	.2576	1.50	.440	3.8	22.
%RSD	18.20	47.89	1.558	12.22	3.606	.0452
#1	.5393	-.6416	94.45	3.879	102.1	47980.
#2	.7723	-.7276	97.22	3.829	108.9	47940.
#3	.6276	-.2446	96.83	3.093	108.7	47970.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22740.**	**2.915**	F **454300.**	**1.280**	**.7861**	**23.09**
Stddev	128.	.127	6590.	.911	.2238	.76
%RSD	.5635	4.368	1.451	71.18	28.47	3.309
#1	22710.	2.774	460900.	1.278	.6104	22.32
#2	22880.	3.022	454300.	.3697	1.038	23.10
#3	22630.	2.948	447700.	2.192	.7099	23.85
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118750-a-2-c@5 Acquired: 8/23/2016 15:57:47 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.920**	**-2.722**	**2.727**	**48.36**	F **17990.**	**98.69**
Stddev	.864	3.674	.531	.30	23.	.36
%RSD	22.05	135.0	19.49	.6143	.1272	.3646
#1	4.442	-5.976	2.178	48.26	18010.	98.39
#2	4.396	-3.451	2.764	48.12	17960.	98.60
#3	2.922	1.262	3.239	48.69	18000.	99.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9911**	**1698.**	**35.74**	**1633.**
Stddev	.3415	1.	1.36	25.
%RSD	34.45	.0332	3.793	1.541
#1	1.220	1699.	34.41	1642.
#2	1.154	1698.	35.69	1604.
#3	.5986	1698.	37.12	1652.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4485.8**	**26829.**	**4413.1**
Stddev	19.0	226.	27.6
%RSD	.42255	.84294	.62464
#1	4469.2	26747.	4436.4
#2	4481.9	26656.	4420.3
#3	4506.4	27085.	4382.7

Sample Name: 460-118758-a-2-b@5 Acquired: 8/23/2016 16:01:42 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.86**	F **-12.41**	**5.174**	**2527.**	**-.0092**	**13760.**
Stddev	2.10	.97	.451	4.	.0666	134.
%RSD	19.33	7.805	8.717	.1445	722.1	.9771
#1	11.60	-11.91	5.335	2524.	-.0262	13910.
#2	8.491	-13.52	5.522	2525.	-.0656	13690.
#3	12.49	-11.79	4.664	2531.	.0642	13680.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-10.00				

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.796**	**32.70**	**5.152**	**4.851**	**172400.**	**979.4**
Stddev	.319	.17	.636	.357	1934.	21.5
%RSD	17.75	.5323	12.35	7.368	1.122	2.197
#1	1.443	32.90	5.334	5.206	174700.	1002.
#2	1.881	32.59	4.445	4.854	171400.	959.4
#3	2.063	32.60	5.677	4.492	171300.	976.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1050.**	**1898.**	F **269100.**	**130.6**	**42.85**	**-6.071**
Stddev	6.	21.	973.	1.1	1.29	.330
%RSD	.6027	1.119	.3616	.8261	3.000	5.441
#1	1046.	1923.	270300.	129.7	44.05	-5.713
#2	1047.	1888.	268500.	131.8	43.00	-6.134
#3	1057.	1884.	268600.	130.2	41.49	-6.365
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118758-a-2-b@5 Acquired: 8/23/2016 16:01:42 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.694**	**-.2183**	**-3.361**	**2396.**	**1086.**	**1.134**
Stddev	2.577	1.334	.396	10.	10.	.108
%RSD	45.26	611.2	11.78	.4307	.9038	9.524
#1	-8.010	.3823	-3.187	2385.	1097.	1.237
#2	-2.918	.7101	-3.814	2399.	1083.	1.022
#3	-6.154	-1.747	-3.082	2405.	1078.	1.145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9781**	**124.7**	**5.947**	**1587.**
Stddev	.6810	1.1	1.163	14.
%RSD	69.63	.9045	19.56	.8767
#1	1.626	126.0	7.279	1577.
#2	.2683	123.8	5.432	1580.
#3	1.040	124.4	5.129	1603.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4711.7**	**28343.**	**4662.7**
Stddev	4.9	237.	24.0
%RSD	.10357	.83460	.51450
#1	4708.4	28070.	4639.3
#2	4717.3	28470.	4687.2
#3	4709.3	28489.	4661.5

Sample Name: lb 460-385807/1-d@5 Acquired: 8/23/2016 16:05:35 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.419**	**-2.488**	**.6242**	**-.1285**	**-.2306**	**8.770**
Stddev	2.394	1.309	.4460	.1286	.0344	4.267
%RSD	32.27	52.64	71.45	100.1	14.92	48.66
#1	6.903	-1.953	.8521	.0035	-.2451	11.39
#2	5.325	-1.530	.9101	-.2533	-.2553	3.846
#3	10.03	-3.980	.1103	-.1356	-.1913	11.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0175**	**-.0427**	**.3866**	**.9763**	**7.506**	**71.89**
Stddev	.0977	.1442	.6666	.2305	10.27	20.09
%RSD	557.7	337.7	172.4	23.61	136.8	27.94
#1	.0920	.0817	.5452	1.234	17.90	95.06
#2	-.0956	-.2007	-.3450	.9045	-2.624	61.29
#3	-.0489	-.0091	.9597	.7902	7.236	59.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.697**	**.0101**	**264.8**	**-.1035**	**-.4660**	**-.6257**
Stddev	4.032	.0997	50.7	.5599	1.499	.7666
%RSD	109.1	984.0	19.15	541.0	321.8	122.5
#1	8.017	-.0410	312.1	.4669	-.6081	-.8322
#2	3.040	-.0536	270.8	-.6522	-1.889	.2231
#3	.0346	.1250	211.3	-.1252	1.099	-1.268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-385807/1-d@5 Acquired: 8/23/2016 16:05:35 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3211**	**-1.354**	**.2808**	**.1769**	**24.71**	**-.0040**
Stddev	1.256	3.310	.2853	.1387	3.66	.1327
%RSD	391.1	244.5	101.6	78.40	14.79	3280.
#1	.0027	-3.496	.5307	.0504	28.75	-.0320
#2	-1.707	2.458	-.0300	.1550	23.75	.1404
#3	.7409	-3.023	.3417	.3252	21.63	-.1205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0742**	**.0023**	**-.0444**	**29.20**
Stddev	1.638	.0863	.0708	19.12
%RSD	2209.	3688.	159.4	65.47
#1	1.630	-.0389	.0252	51.26
#2	-.2142	.1015	-.1163	17.56
#3	-1.638	-.0556	-.0421	18.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5010.5**	**30979.**	**4704.4**
Stddev	14.1	251.	91.9
%RSD	.28136	.80970	1.9533
#1	4996.8	30860.	4640.7
#2	5009.8	30809.	4662.7
#3	5025.0	31267.	4809.7

Sample Name: CCV Acquired: 8/23/2016 16:09:36 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**117600.**	**2628.**	**1203.**	**10030.**	**973.6**	**116300.**
Stddev	269.	2.	3.	4.	2.7	747.
%RSD	.2288	.0689	.2178	.0400	.2820	.6418
#1	117600.	2627.	1200.	10030.	971.9	117200.
#2	117400.	2627.	1205.	10030.	972.2	115800.
#3	117900.	2630.	1205.	10030.	976.8	116100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1237.**	**2566.**	**4837.**	**12160.**	**95400.**	**47750.**
Stddev	2.	2.	14.	50.	360.	152.
%RSD	.1482	.0878	.2883	.4132	.3774	.3183
#1	1234.	2563.	4853.	12100.	95810.	47730.
#2	1238.	2568.	4826.	12200.	95120.	47620.
#3	1237.	2566.	4832.	12180.	95270.	47920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**118100.**	**4770.**	**117800.**	**2577.**	**7702.**	**1044.**
Stddev	409.	23.	426.	2.	15.	2.
%RSD	.3461	.4766	.3613	.0600	.1957	.2272
#1	118500.	4796.	117800.	2575.	7686.	1047.
#2	117800.	4758.	117400.	2577.	7715.	1043.
#3	117800.	4756.	118300.	2578.	7706.	1043.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 16:09:36 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2579.**	**2522.**	**2430.**	**2500.**	**1073.**	**2436.**
Stddev	2.	1.	7.	15.	2.	3.
%RSD	.0807	.0556	.2976	.6111	.1693	.1164
#1	2581.	2520.	2436.	2483.	1075.	2438.
#2	2579.	2523.	2422.	2508.	1072.	2436.
#3	2576.	2522.	2431.	2511.	1073.	2433.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1012.**	**4969.**	**9709.**	**10170.**
Stddev	4.	18.	20.	34.
%RSD	.3540	.3527	.2097	.3312
#1	1009.	4989.	9733.	10180.
#2	1016.	4960.	9697.	10140.
#3	1011.	4958.	9699.	10200.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4673.5**	**28716.**	**4647.6**
Stddev	9.6	90.	33.6
%RSD	.20441	.31468	.72384
#1	4664.1	28614.	4644.8
#2	4673.1	28750.	4682.6
#3	4683.2	28785.	4615.5

Sample Name: CCB Acquired: 8/23/2016 16:13:12 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.644**	**-2.150**	**1.027**	**.1670**	**-.0257**	**9.675**
Stddev	1.892	1.224	.458	.1892	.0836	8.138
%RSD	33.53	56.94	44.61	113.3	324.9	84.11
#1	3.722	-.7982	.6996	.3821	-.0694	9.800
#2	5.704	-3.184	.8305	.0926	-.0784	1.475
#3	7.505	-2.468	1.550	.0264	.0707	17.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1062**	**-.0850**	**.1660**	**1.587**	**5.261**	**59.54**
Stddev	.0417	.0581	.5023	.360	4.411	25.64
%RSD	39.26	68.33	302.6	22.69	83.84	43.07
#1	.0604	-.0994	.1808	2.000	.2974	48.36
#2	.1420	-.0211	.6607	1.427	8.731	41.39
#3	.1163	-.1346	-.3435	1.335	6.753	88.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.813**	**-.0126**	**148.9**	**.3197**	**.2377**	**-1.249**
Stddev	2.026	.0357	28.0	.2650	1.410	1.557
%RSD	42.10	282.8	18.81	82.90	593.2	124.7
#1	5.816	.0108	170.7	.0138	1.537	-3.029
#2	2.481	.0051	158.8	.4813	-1.262	-.5790
#3	6.141	-.0538	117.3	.4639	.4391	-.1385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 16:13:12 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.331**	**-.9031**	**.1083**	**.1307**	**9.244**	**.4435**
Stddev	1.485	1.766	.3288	.1961	1.314	.3645
%RSD	111.5	195.5	303.7	150.1	14.21	82.19
#1	-.0478	-2.675	.3108	-.0234	10.33	.7923
#2	1.138	-.8912	-.2711	.3514	9.625	.4732
#3	2.903	.8568	.2851	.0641	7.782	.0650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2971**	**.1740**	**.2248**	**4.829**
Stddev	.3989	.1421	.1780	8.165
%RSD	134.2	81.62	79.19	169.1
#1	-.1418	.3208	.3961	1.402
#2	.3957	.1642	.2374	14.15
#3	.6376	.0371	.0408	-1.065
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5090.3**	**31181.**	**4698.1**
Stddev	31.0	51.	52.1
%RSD	.60984	.16262	1.1094
#1	5068.6	31225.	4647.5
#2	5076.5	31192.	4751.6
#3	5125.9	31125.	4695.3

Sample Name: CCVL Acquired: 8/23/2016 16:17:14 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**183.9**	**11.72**	**9.582**	**195.0**	**1.729**	**4387.**
Stddev	3.7	1.44	.660	.2	.074	37.
%RSD	1.996	12.31	6.893	.1252	4.277	.8380
#1	179.7	11.68	9.836	195.1	1.805	4347.
#2	185.2	13.18	10.08	195.2	1.657	4418.
#3	186.7	10.30	8.832	194.7	1.724	4397.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.772**	**50.07**	**9.686**	**23.19**	**160.2**	**4239.**
Stddev	.020	.28	.302	.29	10.0	32.
%RSD	.5416	.5622	3.114	1.234	6.213	.7430
#1	3.757	50.23	9.993	22.93	158.1	4204.
#2	3.764	49.75	9.390	23.15	151.5	4266.
#3	3.796	50.24	9.675	23.49	171.1	4247.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4468.**	**14.21**	**4190.**	**40.44**	**12.08**	**18.39**
Stddev	36.	.14	46.	.04	1.60	1.89
%RSD	.7989	.9714	1.088	.0961	13.28	10.28
#1	4432.	14.06	4138.	40.46	12.65	16.22
#2	4468.	14.26	4225.	40.39	13.32	19.29
#3	4504.	14.32	4207.	40.46	10.27	19.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 16:17:14 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.38**	**18.00**	**45.87**	**31.56**	**52.91**	**18.00**
Stddev	1.04	2.21	.27	.04	.56	.40
%RSD	4.870	12.27	.5921	.1406	1.053	2.232
#1	20.76	16.79	46.10	31.53	53.29	18.21
#2	22.58	16.67	45.57	31.54	53.18	17.54
#3	20.80	20.55	45.93	31.61	52.27	18.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**46.47**	**18.64**	**19.16**	F **12.77**
Stddev	.89	.27	.12	1.68
%RSD	1.916	1.444	.6291	13.12
#1	45.63	18.33	19.04	11.33
#2	46.38	18.82	19.28	14.61
#3	47.40	18.76	19.14	12.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5034.2**	**30913.**	**4745.1**
Stddev	8.5	68.	71.2
%RSD	.16798	.22102	1.5010
#1	5024.5	30982.	4816.0
#2	5040.2	30845.	4745.7
#3	5037.8	30911.	4673.5

Sample Name: lb 460-385829/1-d@5 Acquired: 8/23/2016 16:21:15 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.03**	**-2.522**	**.2572**	**10.12**	**-.0134**	**389.5**
Stddev	.97	1.116	.1717	.10	.1063	4.1
%RSD	4.821	44.25	66.74	1.036	791.2	1.054
#1	20.36	-1.305	.0808	10.01	.0037	386.9
#2	18.94	-2.763	.4237	10.14	-.1272	394.2
#3	20.78	-3.498	.2671	10.21	.0833	387.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0805**	**-.0800**	**.2703**	**2.332**	**30.29**	**117.9**
Stddev	.1007	.1864	.0917	.421	7.98	37.6
%RSD	125.2	232.9	33.94	18.05	26.35	31.90
#1	-.0120	.1329	.2956	2.730	39.35	150.0
#2	.1878	-.1595	.1686	1.891	27.25	76.54
#3	.0656	-.2135	.3467	2.376	24.28	127.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**57.41**	**2.583**	**1516.**	**.5430**	**3.937**	**-.4985**
Stddev	3.89	.047	17.	.1535	.938	.3322
%RSD	6.770	1.821	1.091	28.26	23.82	66.64
#1	55.21	2.604	1501.	.3720	3.887	-.2330
#2	61.89	2.616	1513.	.5883	4.898	-.8710
#3	55.11	2.529	1534.	.6687	3.025	-.3916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-385829/1-d@5 Acquired: 8/23/2016 16:21:15 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.631**	**2.375**	**-.0626**	**6.255**	**14.64**	**-.2472**
Stddev	1.920	.738	.3897	.101	.64	.2010
%RSD	72.97	31.06	622.8	1.610	4.368	81.30
#1	.4148	3.037	-.1335	6.159	14.56	-.0194
#2	3.783	2.508	-.4119	6.360	15.32	-.3230
#3	3.694	1.580	.3577	6.246	14.05	-.3993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6280**	**1.073**	**.2168**	**76.43**
Stddev	.5670	.079	.0956	7.05
%RSD	90.28	7.368	44.08	9.222
#1	.8340	.9906	.3172	82.63
#2	-.0132	1.148	.2064	77.88
#3	1.063	1.080	.1269	68.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5060.6**	**31619.**	**4826.6**
Stddev	27.8	353.	72.6
%RSD	.54845	1.1173	1.5047
#1	5032.2	31236.	4745.9
#2	5087.7	31933.	4886.6
#3	5061.8	31689.	4847.3

Sample Name: lb 460-385830/1-e@5 Acquired: 8/23/2016 16:25:14 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.08**	**-1.891**	**1.225**	**9.268**	**-.0615**	**229.8**
Stddev	6.44	.609	.366	.268	.0790	1.5
%RSD	53.35	32.23	29.86	2.896	128.4	.6468
#1	19.28	-1.829	.8268	9.573	-.1505	228.7
#2	6.855	-2.528	1.303	9.163	-.0341	229.2
#3	10.10	-1.314	1.546	9.067	.0001	231.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0860**	**-.2271**	**-.0091**	**186.1**	**19.68**	**198.4**
Stddev	.0115	.1752	.8451	1.6	3.34	25.7
%RSD	13.32	77.16	9292.	.8448	16.98	12.98
#1	.0781	-.1954	-.0279	184.5	19.21	196.6
#2	.0992	-.0699	-.8447	186.3	16.60	173.6
#3	.0808	-.4160	.8453	187.6	23.23	225.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.40**	**.5899**	F **287700.**	**1.658**	**5.159**	**-1.043**
Stddev	3.03	.0051	3008.	.609	.533	1.412
%RSD	12.43	.8650	1.046	36.77	10.33	135.5
#1	27.90	.5942	291100.	.9669	5.757	-2.630
#2	22.50	.5843	286400.	1.886	4.733	-.5748
#3	22.80	.5913	285500.	2.120	4.988	.0763
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-385830/1-e@5 Acquired: 8/23/2016 16:25:14 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9321**	**1.336**	**.3260**	**15.24**	**14.62**	**-.3210**
Stddev	1.703	1.851	.5936	.06	.53	.1889
%RSD	182.7	138.5	182.1	.4045	3.637	58.84
#1	1.846	1.065	-.3239	15.22	15.23	-.4279
#2	1.983	-.3644	.4622	15.31	14.35	-.4322
#3	-1.033	3.307	.8396	15.19	14.27	-.1029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4796**	**.9789**	**.0344**	**115.4**
Stddev	.6163	.0412	.1090	15.5
%RSD	128.5	4.205	316.7	13.43
#1	1.191	.9984	-.0143	107.1
#2	.1502	.9316	.1593	133.3
#3	.0979	1.007	-.0418	105.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4733.2**	**28437.**	**4641.3**
Stddev	21.1	163.	55.4
%RSD	.44490	.57413	1.1927
#1	4735.4	28621.	4702.5
#2	4753.1	28377.	4626.7
#3	4711.2	28312.	4594.7

Sample Name: 460-118912-a-3-g@5 Acquired: 8/23/2016 16:29:15 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**154.9**	**1.703**	**.7985**	**101.1**	**-.0153**	**6454.**
Stddev	10.9	2.844	.3472	.5	.1016	12.
%RSD	7.015	167.0	43.48	.5390	665.5	.1893
#1	163.1	1.495	1.148	100.5	-.1282	6460.
#2	142.6	4.645	.7943	101.5	.0135	6462.
#3	159.0	-1.032	.4535	101.1	.0689	6440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.607**	**1.259**	**.7682**	**177.2**	**123.0**	**749.4**
Stddev	.048	.225	.5040	1.1	6.7	14.2
%RSD	.6241	17.87	65.62	.6376	5.471	1.895
#1	7.556	1.280	.5813	175.9	129.9	764.9
#2	7.650	1.024	1.339	177.6	116.5	736.9
#3	7.615	1.473	.3843	178.1	122.5	746.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**974.0**	**69.03**	F **263700.**	**46.11**	**12.62**	**.0811**
Stddev	9.9	.55	1646.	.26	2.11	1.047
%RSD	1.016	.7900	.6244	.5665	16.68	1290.
#1	962.6	68.56	265500.	45.94	13.92	.5854
#2	980.4	68.89	262500.	45.97	13.76	-1.123
#3	979.1	69.63	262900.	46.41	10.19	.7805
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118912-a-3-g@5 Acquired: 8/23/2016 16:29:15 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.589**	**-1.959**	**.5698**	**565.2**	**40.42**	**-.0716**
Stddev	3.547	2.477	.2438	2.6	.11	.4090
%RSD	77.29	126.4	42.79	.4533	.2674	571.1
#1	4.395	-.1617	.2922	562.4	40.50	-.2265
#2	1.143	-.9314	.6680	567.5	40.30	-.3806
#3	8.229	-4.785	.7492	565.8	40.46	.3922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8675**	**44.89**	**6.446**	**637.3**
Stddev	.3993	.32	.749	30.9
%RSD	46.03	.7155	11.61	4.857
#1	1.031	44.83	7.206	673.0
#2	.4123	44.61	6.424	619.9
#3	1.159	45.24	5.709	618.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4750.2**	**28463.**	**4596.1**
Stddev	30.7	110.	15.5
%RSD	.64714	.38651	.33829
#1	4749.2	28384.	4613.8
#2	4720.0	28415.	4590.1
#3	4781.5	28588.	4584.5

Sample Name: 460-118912-a-6-g@5 Acquired: 8/23/2016 16:33:12 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.96**	**-.5718**	**.9444**	**45.69**	**-.0169**	**4672.**
Stddev	13.07	1.241	.1905	.37	.0368	28.
%RSD	24.22	217.0	20.17	.8196	218.0	.5985
#1	57.30	-2.004	.7847	45.26	.0023	4681.
#2	65.03	.1786	.8931	45.95	-.0593	4640.
#3	39.54	.1100	1.155	45.85	.0064	4694.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.303**	**.3320**	**.1010**	**84.66**	**23.26**	**593.6**
Stddev	.197	.2043	.3943	.95	.13	25.3
%RSD	8.541	61.55	390.4	1.121	.5693	4.266
#1	2.478	.2891	-.2251	83.56	23.40	568.2
#2	2.342	.1525	-.0110	85.19	23.14	593.7
#3	2.090	.5543	.5391	85.22	23.23	618.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**345.8**	**31.60**	F **276500.**	**14.08**	**7.693**	**-1.707**
Stddev	5.5	.25	1499.	.72	.451	.270
%RSD	1.584	.7993	.5421	5.120	5.868	15.79
#1	349.6	31.39	277800.	13.69	7.411	-1.501
#2	348.2	31.53	276900.	13.64	7.454	-2.012
#3	339.5	31.88	274900.	14.91	8.213	-1.608
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118912-a-6-g@5 Acquired: 8/23/2016 16:33:12 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.420**	**-4.159**	**.3749**	**263.6**	**17.19**	**.0648**
Stddev	1.545	1.528	.1664	2.0	.71	.1118
%RSD	108.8	36.75	44.37	.7436	4.115	172.4
#1	3.051	-3.004	.2547	261.4	16.86	.1449
#2	1.231	-3.580	.5648	264.3	16.71	-.0629
#3	-.0222	-5.892	.3053	265.1	18.00	.1125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8401**	**34.23**	**3.135**	**349.2**
Stddev	.9624	.17	.501	7.5
%RSD	114.6	.4915	15.98	2.161
#1	1.683	34.04	2.962	355.3
#2	1.045	34.32	3.699	351.5
#3	-.2084	34.33	2.744	340.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4786.0**	**28883.**	**4724.3**
Stddev	6.4	161.	28.8
%RSD	.13327	.55763	.60996
#1	4793.3	28816.	4737.4
#2	4783.4	29066.	4691.3
#3	4781.4	28765.	4744.3

Sample Name: 460-118912-a-9-g@5 Acquired: 8/23/2016 16:37:09 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**271.7**	**-2.426**	**1.411**	**92.36**	**.0138**	**15110.**
Stddev	10.7	1.715	.090	.52	.0280	142.
%RSD	3.925	70.70	6.384	.5643	203.5	.9414
#1	278.2	-.6100	1.326	92.24	.0097	14960.
#2	277.5	-2.650	1.506	91.91	.0436	15130.
#3	259.4	-4.019	1.401	92.93	-.0120	15240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3206**	**-.1229**	**1.436**	**5.207**	**153.0**	**812.6**
Stddev	.0697	.0761	.434	.485	7.7	84.7
%RSD	21.75	61.86	30.23	9.323	5.050	10.42
#1	.3973	-.0514	1.929	4.648	161.7	762.0
#2	.2611	-.1147	1.269	5.445	150.7	765.4
#3	.3034	-.2028	1.111	5.527	146.8	910.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1268.**	**48.44**	F **255800.**	**7.320**	**4.971**	**-.9713**
Stddev	18.	.64	764.	.792	1.241	1.496
%RSD	1.382	1.315	.2987	10.82	24.96	154.1
#1	1253.	47.88	256600.	8.235	6.401	-1.493
#2	1264.	48.31	255100.	6.888	4.344	.7160
#3	1287.	49.14	255700.	6.838	4.170	-2.137
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118912-a-9-g@5 Acquired: 8/23/2016 16:37:09 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.162**	**-3.822**	**.5259**	**27.11**	**14.20**	**-.3839**
Stddev	2.902	1.712	.1159	.09	.29	.0789
%RSD	134.2	44.79	22.04	.3284	2.017	20.55
#1	5.024	-2.485	.5969	27.11	13.87	-.2934
#2	-.7778	-3.229	.3922	27.02	14.32	-.4207
#3	2.240	-5.751	.5888	27.20	14.41	-.4377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4728**	**78.65**	**10.07**	**1098.**
Stddev	.8140	.57	1.96	32.
%RSD	172.2	.7238	19.51	2.882
#1	.9039	78.00	9.251	1129.
#2	-.4660	79.05	12.31	1099.
#3	.9806	78.89	8.646	1065.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4793.9**	**28730.**	**4678.8**
Stddev	5.4	111.	44.1
%RSD	.11267	.38612	.94321
#1	4788.4	28828.	4712.3
#2	4799.1	28752.	4695.4
#3	4794.3	28609.	4628.8

Sample Name: lb 460-386104/1-b@5 Acquired: 8/23/2016 16:41:08 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.698**	**-.2920**	**1.099**	**.1475**	**-.0787**	**-16.54**
Stddev	4.622	2.499	.154	.1362	.2321	4.00
%RSD	47.65	855.8	14.00	92.38	294.9	24.17
#1	13.26	2.204	1.160	-.0086	.1825	-13.87
#2	11.36	-.2856	1.213	.2424	-.1575	-14.60
#3	4.476	-2.794	.9240	.2087	-.2611	-21.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1428**	**-.5331**	**.1779**	**2.024**	**9.506**	**161.1**
Stddev	.0449	.0133	.3631	.262	8.019	22.2
%RSD	31.45	2.502	204.1	12.96	84.36	13.80
#1	.0968	-.5187	-.1853	1.933	6.338	139.3
#2	.1451	-.5450	.1782	1.819	3.555	160.3
#3	.1866	-.5355	.5408	2.320	18.63	183.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.089**	**-.0322**	F **256900.**	**1.993**	**.5798**	**-1.546**
Stddev	8.066	.0796	1204.	.127	2.068	.873
%RSD	740.3	247.3	.4686	6.376	356.7	56.49
#1	8.210	-.1176	258300.	2.053	1.572	-2.328
#2	-6.181	-.0192	256500.	2.078	1.965	-1.706
#3	-5.297	.0401	256000.	1.847	-1.798	-.6036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-386104/1-b@5 Acquired: 8/23/2016 16:41:08 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.683**	**-1.102**	**.3964**	**1.357**	**2.362**	**-.0038**
Stddev	4.288	.971	.0867	.133	.212	.2775
%RSD	159.8	88.13	21.86	9.812	8.987	7283.
#1	.8173	-2.123	.3862	1.458	2.337	.0936
#2	-.3561	-.9928	.4877	1.407	2.163	.2119
#3	7.589	-.1900	.3152	1.206	2.585	-.3169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6627**	**.0563**	**-.1083**	**31.75**
Stddev	.4091	.0427	.1082	4.04
%RSD	61.73	75.79	99.86	12.72
#1	1.135	.0258	-.0166	35.57
#2	.4409	.1051	-.0808	27.52
#3	.4124	.0381	-.2276	32.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4793.6**	**28941.**	**4746.4**
Stddev	19.3	84.	8.6
%RSD	.40183	.29030	.18116
#1	4815.8	29025.	4750.1
#2	4782.9	28941.	4752.5
#3	4782.0	28857.	4736.6

Sample Name: Z 460-118861-e-1-b Acquired: 8/23/2016 16:45:08 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.464**	**-3.296**	**1.175**	**.9992**	**-.0308**	**134.7**
Stddev	1.719	1.545	.286	.1687	.0446	1.7
%RSD	23.03	46.89	24.35	16.88	144.9	1.244
#1	8.584	-2.182	1.168	.8143	-.0205	136.6
#2	8.324	-5.060	1.465	1.145	-.0796	133.4
#3	5.485	-2.646	.8926	1.039	.0078	134.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0303**	**-.0116**	**.2063**	**1.225**	**49.31**	**158.6**
Stddev	.0832	.1188	.4118	.222	3.70	53.2
%RSD	274.5	1020.	199.6	18.15	7.497	33.56
#1	.0361	.1224	.1257	1.002	45.14	202.4
#2	-.0557	-.0538	.6525	1.225	50.58	174.1
#3	.1105	-.1036	-.1592	1.447	52.20	99.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.02**	**1.372**	**729.6**	**.3807**	**2.478**	**-.3388**
Stddev	4.77	.020	52.9	.3475	.489	.3968
%RSD	34.06	1.486	7.247	91.28	19.74	117.1
#1	8.625	1.390	784.9	.0532	3.040	.1168
#2	17.71	1.375	724.2	.3436	2.155	-.5240
#3	15.73	1.350	679.6	.7453	2.237	-.6092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: Z 460-118861-e-1-b Acquired: 8/23/2016 16:45:08 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.959**	**-.6541**	**.2589**	**2.942**	**2.862**	**-.1523**
Stddev	4.739	.8742	.0407	.053	.123	.4573
%RSD	160.2	133.6	15.74	1.801	4.294	300.3
#1	8.019	.0625	.2589	2.911	2.983	-.4802
#2	2.233	-.3967	.2181	2.912	2.737	.3701
#3	-1.376	-1.628	.2996	3.003	2.867	-.3468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2854**	**.4823**	**-.0211**	**34.06**
Stddev	1.055	.0420	.0634	15.97
%RSD	369.6	8.704	300.0	46.88
#1	.2184	.4339	-.0766	15.99
#2	-.7343	.5091	-.0347	39.95
#3	1.372	.5039	.0479	46.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5057.1**	**31236.**	**4748.3**
Stddev	3.1	24.	12.6
%RSD	.06146	.07527	.26436
#1	5056.6	31263.	4759.4
#2	5060.4	31228.	4750.9
#3	5054.2	31218.	4734.7

Sample Name: pds 460-117934-a-38- Acquired: 8/23/2016 16:49:09 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39270.**	**2021.**	**47.20**	**2182.**	**48.96**	**18120.**
Stddev	1506.	5.	1.35	2.	2.08	378.
%RSD	3.836	.2325	2.861	.1125	4.246	2.085
#1	37530.	2021.	45.71	2179.	46.57	17690.
#2	40120.	2017.	47.54	2182.	50.04	18370.
#3	40160.	2026.	48.34	2184.	50.28	18310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.79**	**523.7**	**247.3**	**332.0**	**46670.**	**19590.**
Stddev	.04	1.0	6.4	7.5	930.	711.
%RSD	.0874	.1938	2.573	2.261	1.993	3.628
#1	49.74	522.6	240.0	323.9	45590.	18770.
#2	49.82	524.6	251.2	333.6	47230.	20000.
#3	49.82	524.1	250.8	338.6	47180.	19990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20130.**	**663.3**	**17210.**	**545.9**	**2245.**	**477.4**
Stddev	411.	13.1	611.	1.6	4.	3.0
%RSD	2.040	1.978	3.549	.2903	.1690	.6186
#1	19660.	648.1	16500.	544.1	2241.	478.7
#2	20350.	671.1	17530.	546.4	2246.	474.1
#3	20400.	670.6	17580.	547.1	2249.	479.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-117934-a-38- Acquired: 8/23/2016 16:49:09 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1955.**	**2042.**	**541.0**	**638.4**	**517.8**	**483.5**
Stddev	5.	12.	9.9	3.5	3.7	.7
%RSD	.2520	.5882	1.828	.5408	.7209	.1434
#1	1951.	2030.	529.6	635.2	514.8	482.9
#2	1954.	2041.	546.6	642.0	516.5	484.3
#3	1961.	2054.	546.8	638.1	522.0	483.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**517.3**	**483.0**	**1021.**	**3100.**
Stddev	1.0	17.9	19.	68.
%RSD	.2024	3.702	1.860	2.201
#1	516.8	462.3	999.6	3022.
#2	516.5	493.5	1031.	3144.
#3	518.5	493.0	1034.	3135.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5012.6**	**31151.**	**4903.3**
Stddev	13.3	425.	106.1
%RSD	.26546	1.3651	2.1640
#1	5004.6	31636.	5023.2
#2	5027.9	30977.	4865.0
#3	5005.2	30840.	4821.7

Sample Name: 460-117934-a-38-d ms Acquired: 8/23/2016 16:52:48 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51530.**	**1032.**	**26.02**	**1235.**	**26.86**	**10110.**
Stddev	262.	5.	.66	3.	.25	130.
%RSD	.5075	.4712	2.533	.2160	.9407	1.284
#1	51450.	1028.	26.75	1232.	26.78	10110.
#2	51820.	1038.	25.48	1238.	27.15	10240.
#3	51310.	1030.	25.82	1234.	26.66	9985.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.58**	**282.1**	**172.2**	**231.1**	**46850.**	**12290.**
Stddev	.19	1.4	2.9	1.6	459.	76.
%RSD	.7201	.4851	1.663	.6709	.9788	.6177
#1	26.39	280.9	170.5	229.9	46830.	12290.
#2	26.57	283.6	175.5	232.9	47310.	12370.
#3	26.77	281.9	170.7	230.7	46400.	12220.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12850.**	**432.6**	**9152.**	**310.3**	**1692.**	**151.6**
Stddev	133.	3.8	78.	2.1	5.	2.5
%RSD	1.031	.8898	.8519	.6793	.2718	1.629
#1	12770.	432.5	9220.	308.7	1686.	148.8
#2	13000.	436.5	9171.	312.7	1695.	152.4
#3	12770.	428.8	9067.	309.6	1693.	153.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-117934-a-38-d ms Acquired: 8/23/2016 16:52:48 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**996.1**	**1063.**	**328.0**	**419.8**	**269.9**	**244.3**
Stddev	2.9	8.	3.3	1.6	1.2	1.1
%RSD	.2956	.7789	1.009	.3743	.4269	.4416
#1	993.4	1058.	325.2	418.0	268.8	243.4
#2	995.8	1073.	331.6	420.4	271.1	245.5
#3	999.2	1059.	327.1	421.0	269.7	244.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**246.8**	**263.7**	**851.0**	**2969.**
Stddev	2.5	1.6	5.2	44.
%RSD	1.009	.6149	.6052	1.474
#1	244.4	263.5	851.2	2946.
#2	249.4	265.4	856.1	3020.
#3	246.7	262.2	845.8	2942.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5047.3**	**31105.**	**4774.7**
Stddev	58.2	563.	35.7
%RSD	1.1531	1.8113	.74734
#1	5017.5	30820.	4742.8
#2	5009.9	30742.	4768.1
#3	5114.3	31754.	4813.2

Sample Name: 460-117934-a-38-c du Acquired: 8/23/2016 16:56:33 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34300.**	**8.846**	**1.952**	**130.9**	**.8884**	**363.7**
Stddev	1065.	1.036	.189	.6	.1663	9.6
%RSD	3.104	11.71	9.655	.4365	18.72	2.648
#1	33070.	7.650	2.130	130.5	.7384	353.3
#2	34840.	9.462	1.755	130.7	1.067	372.3
#3	34980.	9.427	1.972	131.6	.8595	365.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6756**	**7.195**	**50.16**	**97.15**	**41340.**	**1781.**
Stddev	.0577	.164	.63	2.51	640.	101.
%RSD	8.541	2.278	1.256	2.587	1.548	5.669
#1	.6844	7.086	49.46	94.30	40610.	1666.
#2	.7283	7.116	50.69	98.08	41600.	1854.
#3	.6140	7.384	50.34	99.06	41810.	1823.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2182.**	**181.0**	**107.3**	**24.32**	**1870.**	**.5169**
Stddev	66.	5.0	14.4	.12	14.	.9749
%RSD	3.035	2.771	13.44	.4952	.7504	188.6
#1	2112.	175.4	94.13	24.18	1854.	-.3523
#2	2192.	182.4	105.2	24.42	1875.	1.571
#3	2243.	185.2	122.7	24.35	1880.	.3320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-117934-a-38-c du Acquired: 8/23/2016 16:56:33 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8951**	**-4.367**	**57.79**	**121.8**	**11.37**	**1.633**
Stddev	6.154	2.585	1.23	.4	.34	.384
%RSD	687.6	59.18	2.138	.3008	2.971	23.49
#1	-4.655	-5.241	56.39	121.4	11.71	1.878
#2	-.1735	-1.459	58.22	121.9	11.36	1.191
#3	7.514	-6.402	58.75	122.1	11.04	1.831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**14.08**	**7.074**	**496.1**	**2291.**
Stddev	.39	.316	9.2	78.
%RSD	2.791	4.461	1.846	3.413
#1	14.52	6.714	485.6	2204.
#2	13.76	7.304	500.9	2312.
#3	13.95	7.203	501.9	2356.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5130.0**	**32073.**	**4941.6**
Stddev	19.1	414.	73.1
%RSD	.37256	1.2900	1.4787
#1	5143.8	32550.	5025.9
#2	5138.0	31840.	4896.9
#3	5108.2	31828.	4902.0

Sample Name: CCV Acquired: 8/23/2016 17:00:28 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**116800.**	**2591.**	**1193.**	**9924.**	**968.1**	**115000.**
Stddev	332.	8.	2.	7.	2.4	363.
%RSD	.2840	.3171	.1392	.0677	.2513	.3154
#1	116400.	2593.	1193.	9923.	967.0	114600.
#2	117100.	2598.	1195.	9919.	970.9	115300.
#3	116900.	2582.	1192.	9932.	966.5	115200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1226.**	**2533.**	**4784.**	**12070.**	**94210.**	**47330.**
Stddev	4.	.	12.	12.	226.	119.
%RSD	.3072	.0097	.2548	.1024	.2396	.2517
#1	1223.	2533.	4770.	12080.	93960.	47200.
#2	1224.	2533.	4788.	12070.	94400.	47360.
#3	1230.	2533.	4794.	12050.	94260.	47430.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**116700.**	**4716.**	**118300.**	**2547.**	**7618.**	**1026.**
Stddev	297.	8.	394.	3.	4.	5.
%RSD	.2541	.1671	.3332	.1141	.0469	.5127
#1	116400.	4707.	118400.	2550.	7618.	1030.
#2	116900.	4720.	118700.	2544.	7615.	1028.
#3	116900.	4721.	117900.	2547.	7622.	1020.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 17:00:28 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2533.**	**2485.**	**2403.**	**2496.**	**1042.**	**2394.**
Stddev	11.	4.	5.	15.	4.	2.
%RSD	.4524	.1767	.2065	.6067	.3876	.0919
#1	2536.	2480.	2398.	2485.	1045.	2391.
#2	2542.	2488.	2407.	2490.	1043.	2396.
#3	2520.	2488.	2405.	2513.	1037.	2394.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1000.**	**4886.**	**9589.**	**9993.**
Stddev	1.	4.	17.	65.
%RSD	.0727	.0769	.1726	.6529
#1	1001.	4882.	9574.	10050.
#2	999.6	4890.	9607.	10010.
#3	1001.	4887.	9587.	9922.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4729.0**	**28890.**	**4597.7**
Stddev	30.5	58.	27.7
%RSD	.64419	.19938	.60191
#1	4707.5	28956.	4629.2
#2	4715.6	28853.	4577.3
#3	4763.8	28860.	4586.5

Sample Name: CCB Acquired: 8/23/2016 17:04:03 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.11**	**-3.172**	**1.323**	**-.0666**	**-.0726**	**18.04**
Stddev	12.90	2.137	.250	.2673	.1930	8.49
%RSD	116.2	67.36	18.86	401.2	265.6	47.08
#1	12.11	-5.371	1.065	-.2023	-.1321	27.72
#2	23.48	-3.041	1.564	-.2388	-.2289	14.52
#3	-2.269	-1.104	1.340	.2413	.1430	11.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0677**	**-.0430**	**.3364**	**.8254**	**2.257**	**41.00**
Stddev	.0951	.1322	.5992	.3582	4.668	36.32
%RSD	140.4	307.5	178.1	43.39	206.8	88.60
#1	.1772	-.1517	.3846	.7039	3.322	56.19
#2	.0048	.1042	.9101	.5437	-2.851	-.4565
#3	.0212	-.0814	-.2854	1.228	6.302	67.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.856**	**-.0448**	**73.10**	**.1971**	**.2014**	**-1.270**
Stddev	3.821	.0261	10.01	.3122	2.572	1.271
%RSD	78.69	58.27	13.69	158.4	1277.	100.0
#1	-8.238	-.0298	70.24	.1431	1.269	-.6483
#2	-.7109	-.0749	64.83	.5328	2.067	-2.732
#3	-5.620	-.0296	84.22	-.0845	-2.732	-.4303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 17:04:03 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7521**	**.3205**	**.1997**	**-.0046**	**2.642**	**.2123**
Stddev	1.425	2.374	.2730	.0604	.814	.5091
%RSD	189.5	740.7	136.7	1321.	30.82	239.8
#1	-2.341	-.7436	.5055	.0017	3.491	.7975
#2	-.3285	3.040	.1131	.0524	2.569	-.1278
#3	.4130	-1.335	-.0195	-.0679	1.867	-.0329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2826**	**.1053**	**.2264**	**20.68**
Stddev	.8219	.0433	.1367	10.07
%RSD	290.8	41.09	60.39	48.67
#1	-.5073	.1482	.3842	25.63
#2	.2220	.0617	.1421	27.31
#3	1.133	.1061	.1530	9.098
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5104.4**	**31598.**	**4767.7**
Stddev	20.9	4.	50.1
%RSD	.40916	.01421	1.0499
#1	5127.7	31603.	4754.3
#2	5098.3	31598.	4725.7
#3	5087.3	31595.	4823.1

Sample Name: CCVL Acquired: 8/23/2016 17:08:04 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**191.2**	**10.81**	**9.847**	**194.2**	**1.707**	**4408.**
Stddev	9.3	2.33	.126	.4	.220	30.
%RSD	4.866	21.51	1.276	.1822	12.86	.6832
#1	195.8	9.620	9.991	194.4	1.954	4442.
#2	180.5	9.319	9.763	193.8	1.533	4393.
#3	197.3	13.49	9.786	194.3	1.634	4387.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.751**	**50.16**	**9.490**	**23.33**	**169.9**	**4263.**
Stddev	.028	.40	.338	.56	2.5	57.
%RSD	.7355	.8061	3.565	2.396	1.463	1.335
#1	3.732	49.94	9.455	22.69	172.6	4213.
#2	3.739	50.63	9.170	23.70	169.1	4251.
#3	3.783	49.92	9.844	23.61	167.8	4325.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4493.**	**14.23**	**4193.**	**40.79**	**12.65**	**17.62**
Stddev	6.	.07	41.	.07	1.34	1.10
%RSD	.1252	.5094	.9747	.1779	10.55	6.257
#1	4487.	14.31	4148.	40.71	11.64	16.60
#2	4499.	14.17	4202.	40.80	12.16	17.45
#3	4493.	14.20	4228.	40.86	14.17	18.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 17:08:04 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.77**	**21.39**	**45.91**	**31.57**	**49.12**	**17.95**
Stddev	.24	2.77	.31	.07	.96	.27
%RSD	1.204	12.93	.6818	.2279	1.951	1.523
#1	19.81	24.56	46.09	31.63	48.19	17.78
#2	19.52	20.16	45.55	31.59	49.05	18.27
#3	19.99	19.45	46.10	31.49	50.11	17.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.54**	**18.40**	**19.29**	F **14.65**
Stddev	1.28	.16	.12	3.58
%RSD	2.684	.8643	.5994	24.45
#1	48.38	18.39	19.17	14.77
#2	46.07	18.25	19.28	11.01
#3	48.17	18.57	19.40	18.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5031.4**	**30888.**	**4729.4**
Stddev	7.2	82.	26.9
%RSD	.14235	.26635	.56954
#1	5036.5	30802.	4760.4
#2	5023.2	30896.	4716.9
#3	5034.5	30965.	4711.0

Sample Name: mb 460-386236/1-a@2 Acquired: 8/23/2016 17:12:45 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.911**	**-3.444**	**.8775**	**-.0357**	**-.1438**	**8.058**
Stddev	6.488	.863	.4133	.0416	.0755	3.874
%RSD	93.87	25.05	47.10	116.7	52.50	48.08
#1	5.112	-2.745	.5335	-.0444	-.1404	3.914
#2	1.513	-3.179	1.336	.0096	-.2208	11.59
#3	14.11	-4.408	.7630	-.0723	-.0700	8.671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0009**	**-.2381**	**.0789**	**.5853**	**-2.758**	**3.811**
Stddev	.0680	.0652	.1753	.2187	4.684	24.76
%RSD	7418.	27.38	222.1	37.37	169.8	649.6
#1	.0382	-.2649	.0469	.3823	-6.091	-13.20
#2	-.0794	-.2856	.2681	.8170	-4.782	-7.580
#3	.0385	-.1638	-.0782	.5567	2.597	32.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.120**	**-.0428**	**48.89**	**.5571**	**.8077**	**-.9549**
Stddev	3.013	.0429	2.78	.2376	.7782	.9527
%RSD	58.84	100.2	5.688	42.65	96.35	99.77
#1	-7.657	-.0809	47.72	.2837	1.519	-.0177
#2	-1.790	-.0512	46.88	.7141	.9278	-.9245
#3	-5.912	.0037	52.06	.6735	-.0236	-1.922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386236/1-a@2 Acquired: 8/23/2016 17:12:45 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3227**	**-1.894**	**-.0698**	**.2965**	**.6841**	**-.2064**
Stddev	2.349	1.586	.4029	.0758	.6177	.2633
%RSD	727.9	83.76	577.4	25.55	90.30	127.6
#1	.9778	-2.075	-.3780	.3710	1.209	-.4459
#2	2.274	-.2248	-.2175	.2989	.8392	-.2489
#3	-2.284	-3.382	.3861	.2195	.0035	.0755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5703**	**.0226**	**-.0725**	**31.60**
Stddev	.6623	.0271	.0574	17.03
%RSD	116.1	120.1	79.20	53.89
#1	-.6773	.0479	-.1020	11.94
#2	.1390	-.0061	-.1091	41.39
#3	-1.173	.0259	-.0063	41.46
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5055.4**	**31555.**	**4834.9**
Stddev	18.6	63.	16.8
%RSD	.36744	.19877	.34763
#1	5075.9	31503.	4826.5
#2	5039.6	31625.	4854.2
#3	5050.8	31537.	4823.9

Sample Name: lcssrm 460-386236/2- Acquired: 8/23/2016 17:16:45 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36580.**	**296.1**	**264.1**	**593.8**	**334.7**	**30170.**
Stddev	1097.	1.5	1.6	2.2	9.5	575.
%RSD	3.000	.5016	.6099	.3778	2.831	1.906
#1	35320.	297.8	262.3	591.4	323.8	29540.
#2	37070.	295.0	265.4	594.4	339.6	30660.
#3	37340.	295.4	264.5	595.8	340.7	30330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**402.7**	**328.3**	**328.3**	**281.8**	**69270.**	**11090.**
Stddev	.9	.4	5.0	3.0	1040.	302.
%RSD	.2322	.1197	1.510	1.076	1.501	2.725
#1	401.9	327.9	322.6	278.5	68080.	10740.
#2	402.5	328.5	331.0	282.4	69970.	11240.
#3	403.7	328.6	331.4	284.5	69770.	11280.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12520.**	**1318.**	**4077.**	**344.2**	**482.6**	**353.6**
Stddev	195.	19.	119.	.7	1.1	.8
%RSD	1.562	1.446	2.913	.1899	.2329	.2305
#1	12290.	1296.	3941.	343.5	482.6	352.7
#2	12660.	1331.	4133.	344.3	481.5	353.8
#3	12590.	1326.	4158.	344.8	483.7	354.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-386236/2- Acquired: 8/23/2016 17:16:45 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**412.5**	**992.4**	**277.3**	**1046.**	**444.6**	**299.6**
Stddev	2.4	7.9	2.7	4.	3.1	2.4
%RSD	.5937	.7955	.9826	.4117	.6891	.8097
#1	409.7	983.3	274.2	1041.	441.1	296.9
#2	414.1	997.7	278.6	1049.	445.7	301.6
#3	413.7	996.1	279.2	1047.	447.0	300.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**846.6**	**440.7**	**1745.**	**3321.**
Stddev	5.1	10.5	18.	31.
%RSD	.6047	2.379	1.046	.9355
#1	842.1	428.7	1724.	3327.
#2	845.5	447.6	1756.	3349.
#3	852.2	446.0	1756.	3288.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5034.4**	**31220.**	**4851.6**
Stddev	20.4	155.	107.8
%RSD	.40548	.49721	2.2219
#1	5010.9	31362.	4975.7
#2	5046.0	31054.	4797.4
#3	5046.4	31243.	4781.6

Sample Name: 460-117934-a-38-b@4 Acquired: 8/23/2016 17:20:24 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37610.**	**10.07**	**2.208**	**139.1**	**.9018**	**393.8**
Stddev	948.	1.19	.101	.3	.1427	10.8
%RSD	2.520	11.81	4.556	.2360	15.83	2.745
#1	36510.	10.40	2.101	139.1	1.053	382.1
#2	38130.	11.06	2.221	139.4	.8819	395.9
#3	38180.	8.747	2.301	138.7	.7700	403.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8062**	**7.760**	**55.48**	**99.61**	**46480.**	**1940.**
Stddev	.2305	.061	.91	1.12	603.	21.
%RSD	28.59	.7869	1.639	1.122	1.298	1.099
#1	.9762	7.831	54.52	98.39	45810.	1916.
#2	.8986	7.722	55.60	99.85	46660.	1948.
#3	.5439	7.728	56.33	100.6	46980.	1956.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2350.**	**198.1**	**78.33**	**27.14**	**1784.**	**1.687**
Stddev	53.	4.6	11.01	.63	2.	2.050
%RSD	2.272	2.334	14.06	2.317	.1156	121.5
#1	2289.	192.8	90.12	26.45	1784.	4.052
#2	2373.	200.1	68.31	27.68	1781.	.5857
#3	2388.	201.4	76.56	27.28	1785.	.4223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-117934-a-38-b@4 Acquired: 8/23/2016 17:20:24 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.326**	**-3.056**	**63.20**	**131.9**	**11.87**	**2.190**
Stddev	1.437	2.208	1.51	.5	.45	.046
%RSD	43.21	72.25	2.397	.3595	3.787	2.114
#1	4.079	-3.701	61.45	132.1	12.35	2.243
#2	4.231	-4.869	64.01	131.3	11.46	2.162
#3	1.669	-.5973	64.13	132.2	11.81	2.164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**13.81**	**7.489**	**546.1**	**2967.**
Stddev	1.51	.203	3.3	75.
%RSD	10.94	2.712	.6044	2.533
#1	12.33	7.254	542.3	2914.
#2	15.35	7.610	547.5	2935.
#3	13.75	7.602	548.5	3053.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5158.5**	**31908.**	**4839.5**
Stddev	3.4	140.	53.0
%RSD	.06569	.43859	1.0953
#1	5158.6	32062.	4895.1
#2	5155.1	31788.	4789.5
#3	5161.9	31875.	4834.0

Sample Name: sd 460-117934-a-38-b Acquired: 8/23/2016 17:24:14 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8378.**	**-.7705**	**.5494**	**27.40**	**.1688**	**85.70**
Stddev	1440.	1.207	.6936	.18	.2292	2.90
%RSD	17.18	156.6	126.2	.6452	135.8	3.380
#1	7589.	-.6177	1.349	27.49	.0494	88.92
#2	10040.	-2.046	.1821	27.52	.4331	83.30
#3	7506.	.3524	.1167	27.20	.0239	84.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0078**	**1.467**	**11.21**	**20.73**	**9569.**	**410.3**
Stddev	.0586	.297	.28	.23	63.	82.7
%RSD	750.7	20.22	2.513	1.128	.6629	20.16
#1	.0410	1.392	11.16	20.47	9531.	370.1
#2	.0422	1.794	11.52	20.93	9533.	505.5
#3	-.0598	1.216	10.96	20.78	9642.	355.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**480.7**	**39.57**	**41.95**	**5.394**	**359.7**	**.3494**
Stddev	5.8	.13	29.69	.490	2.2	.3030
%RSD	1.200	.3323	70.76	9.092	.6220	86.71
#1	474.1	39.47	53.39	5.796	361.2	.3094
#2	483.5	39.52	64.22	4.848	360.7	.0685
#3	484.6	39.72	8.250	5.540	357.1	.6704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-117934-a-38-b Acquired: 8/23/2016 17:24:14 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.766**	**-1.402**	**12.64**	**26.26**	**2.530**	**-.0540**
Stddev	2.173	2.446	.59	.14	.602	.1463
%RSD	78.57	174.5	4.655	.5474	23.81	271.0
#1	4.200	1.345	13.14	26.37	2.707	.1148
#2	3.833	-2.205	12.80	26.31	3.023	-.1310
#3	.2654	-3.346	11.99	26.09	1.859	-.1457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.448**	**1.686**	**110.8**	**616.2**
Stddev	.844	.289	.5	9.7
%RSD	34.48	17.16	.4377	1.572
#1	2.287	1.450	110.5	621.4
#2	1.696	2.009	110.5	622.2
#3	3.361	1.600	111.3	605.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5129.4**	**31741.**	**4435.2**
Stddev	11.6	56.	574.9
%RSD	.22689	.17586	12.963
#1	5115.9	31695.	4723.8
#2	5136.1	31803.	3773.2
#3	5136.0	31725.	4808.7

Sample Name: 460-118818-e-10-d@4 Acquired: 8/23/2016 17:28:12 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28180.**	**5.435**	**2.615**	**171.8**	**.4685**	**3744.**
Stddev	974.	.865	.414	.9	.1218	82.
%RSD	3.456	15.92	15.84	.4994	26.01	2.198
#1	27060.	5.090	2.295	170.8	.5348	3658.
#2	28600.	6.419	2.468	172.3	.5427	3822.
#3	28870.	4.795	3.083	172.3	.3278	3750.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5729**	**16.94**	**43.13**	**76.59**	**47250.**	**2200.**
Stddev	.1820	.16	.65	2.57	939.	52.
%RSD	31.77	.9668	1.512	3.354	1.988	2.359
#1	.5185	16.83	42.58	73.63	46260.	2147.
#2	.4243	17.13	43.85	78.27	48120.	2202.
#3	.7759	16.87	42.96	77.86	47360.	2251.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5497.**	**704.2**	**1302.**	**34.34**	**68.92**	**-1.435**
Stddev	169.	15.9	44.	.75	2.10	1.557
%RSD	3.080	2.256	3.390	2.170	3.042	108.5
#1	5319.	686.9	1252.	33.67	66.50	-.2517
#2	5656.	718.1	1336.	35.14	70.25	-3.200
#3	5516.	707.5	1317.	34.21	70.00	-.8547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118818-e-10-d@4 Acquired: 8/23/2016 17:28:12 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.137**	**-4.368**	**60.87**	**88.40**	**9.495**	**1.232**
Stddev	2.158	2.017	2.07	1.12	.453	.315
%RSD	189.9	46.18	3.409	1.269	4.768	25.52
#1	1.155	-4.248	58.51	87.45	10.02	.8956
#2	-3.130	-6.441	61.72	89.64	9.207	1.283
#3	-1.435	-2.413	62.39	88.11	9.262	1.519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.483**	**33.59**	**726.3**	**1895.**
Stddev	.969	1.14	15.4	37.
%RSD	11.42	3.393	2.113	1.968
#1	9.223	32.29	708.6	1852.
#2	8.839	34.04	735.9	1923.
#3	7.386	34.43	734.5	1908.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5167.4**	**32031.**	**4859.0**
Stddev	17.6	434.	93.2
%RSD	.33984	1.3554	1.9172
#1	5169.5	32296.	4965.4
#2	5148.9	31530.	4819.1
#3	5183.9	32267.	4792.3

Sample Name: 460-118892-a-11-b@4 Acquired: 8/23/2016 17:32:05 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23820.**	**1.988**	**2.798**	**263.2**	**1.028**	**4229.**
Stddev	671.	.395	.225	.9	.128	68.
%RSD	2.818	19.87	8.024	.3455	12.46	1.614
#1	23050.	2.444	2.722	262.2	1.048	4151.
#2	24210.	1.762	2.621	263.8	1.145	4277.
#3	24210.	1.759	3.050	263.6	.8912	4258.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8582**	**21.96**	**47.88**	**408.3**	**52980.**	**2640.**
Stddev	.2213	.21	.58	12.6	974.	111.
%RSD	25.79	.9444	1.204	3.074	1.839	4.201
#1	1.092	21.72	47.21	393.8	51850.	2525.
#2	.6526	22.09	48.14	415.6	53570.	2647.
#3	.8296	22.07	48.27	415.5	53510.	2747.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7280.**	**995.3**	**2209.**	**46.69**	**51.75**	**1.090**
Stddev	179.	17.3	63.	.43	1.21	.047
%RSD	2.463	1.738	2.830	.9180	2.338	4.302
#1	7073.	975.5	2137.	46.36	52.28	1.102
#2	7380.	1007.	2248.	47.17	50.36	1.039
#3	7387.	1004.	2242.	46.53	52.60	1.131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118892-a-11-b@4 Acquired: 8/23/2016 17:32:05 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6350**	**-1.526**	**54.04**	**130.9**	**15.12**	**1.098**
Stddev	3.025	2.465	1.94	1.2	.19	.202
%RSD	476.3	161.5	3.584	.9418	1.229	18.38
#1	2.255	-.8160	51.83	129.7	15.12	.8901
#2	2.505	-4.269	54.85	130.9	15.30	1.293
#3	-2.855	.5057	55.44	132.1	14.93	1.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.801**	**28.32**	**684.2**	**1819.**
Stddev	.664	.89	13.9	29.
%RSD	8.519	3.138	2.031	1.618
#1	8.160	27.30	668.1	1787.
#2	8.208	28.88	692.9	1828.
#3	7.034	28.79	691.4	1843.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5096.0**	**31998.**	**4946.8**
Stddev	3.9	384.	53.0
%RSD	.07684	1.2013	1.0716
#1	5098.0	32436.	5005.9
#2	5091.5	31717.	4931.0
#3	5098.5	31840.	4903.5

Sample Name: 460-118912-a-10-d@4 Acquired: 8/23/2016 17:35:58 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**76930.**	**2.150**	**3.030**	**286.0**	**-3.943**	F **258500.**
Stddev	2620.	1.580	.258	1.1	.269	6129.
%RSD	3.406	73.52	8.522	.3974	6.816	2.371
#1	73910.	2.200	3.116	284.9	-3.887	251400.
#2	78340.	.5445	2.740	287.2	-4.235	261900.
#3	78540.	3.704	3.234	285.9	-3.707	262200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.181**	**45.52**	**761.6**	**222.3**	**90250.**	**6192.**
Stddev	.150	.20	17.9	4.9	2096.	168.
%RSD	4.723	.4335	2.357	2.222	2.322	2.717
#1	3.307	45.59	740.9	216.6	87830.	5998.
#2	3.222	45.67	772.9	225.2	91340.	6296.
#3	3.015	45.30	771.1	225.0	91570.	6281.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37790.**	**1138.**	**11570.**	**125.0**	**25.28**	**-3.499**
Stddev	894.	25.	371.	1.0	2.66	1.861
%RSD	2.366	2.176	3.204	.8108	10.53	53.18
#1	36760.	1109.	11140.	123.9	25.97	-3.799
#2	38310.	1150.	11800.	124.9	27.52	-5.193
#3	38310.	1154.	11760.	126.0	22.34	-1.507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118912-a-10-d@4 Acquired: 8/23/2016 17:35:58 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.717**	**-4.579**	**168.9**	**371.5**	**44.41**	**.9811**
Stddev	3.605	4.651	4.1	2.9	.61	.0764
%RSD	132.7	101.6	2.454	.7732	1.376	7.789
#1	-6.462	-1.225	164.1	368.7	43.81	.9024
#2	-2.418	-9.888	171.9	371.4	44.39	.9859
#3	.7301	-2.623	170.5	374.5	45.04	1.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.663**	**1524.**	**6518.**	**7018.**
Stddev	.338	51.	149.	51.
%RSD	7.258	3.330	2.293	.7207
#1	4.288	1466.	6346.	6963.
#2	4.753	1551.	6602.	7062.
#3	4.947	1556.	6607.	7030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4859.7**	**30065.**	**4840.1**
Stddev	7.5	428.	116.9
%RSD	.15508	1.4232	2.4148
#1	4853.3	30559.	4975.1
#2	4857.9	29812.	4772.0
#3	4868.0	29824.	4773.3

Sample Name: 460-118912-a-11-d@4 Acquired: 8/23/2016 17:39:49 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62740.**	**8.302**	**3.034**	**395.2**	**-2.036**	**249100.**
Stddev	2024.	1.076	.553	2.6	.094	7230.
%RSD	3.226	12.95	18.22	.6509	4.632	2.903
#1	60420.	8.509	2.485	392.2	-2.086	240800.
#2	64140.	9.260	3.591	396.3	-2.094	252200.
#3	63670.	7.139	3.028	397.0	-1.927	254200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.764**	**48.91**	**730.2**	**128.5**	**102000.**	**10600.**
Stddev	.216	.08	21.8	4.1	2939.	399.
%RSD	7.830	.1629	2.985	3.162	2.882	3.761
#1	2.880	48.88	705.1	123.8	98600.	10140.
#2	2.514	48.86	741.6	131.2	103400.	10820.
#3	2.898	49.01	743.9	130.5	103900.	10840.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35790.**	**1389.**	**1818.**	**74.63**	**38.05**	**-4.221**
Stddev	915.	38.	54.	.58	2.00	1.311
%RSD	2.556	2.733	2.967	.7776	5.244	31.05
#1	34740.	1346.	1758.	74.04	39.73	-2.710
#2	36240.	1409.	1861.	74.65	38.57	-4.906
#3	36400.	1413.	1835.	75.20	35.84	-5.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118912-a-11-d@4 Acquired: 8/23/2016 17:39:49 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.256**	**-3.075**	**164.2**	**244.1**	**49.60**	**4.073**
Stddev	.882	1.703	4.7	1.0	.52	.316
%RSD	14.10	55.37	2.881	.4172	1.048	7.745
#1	-5.358	-1.166	158.9	245.3	49.52	4.282
#2	-6.289	-3.620	165.5	243.3	49.12	4.226
#3	-7.121	-4.438	168.1	243.7	50.15	3.710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.46**	**1280.**	**4746.**	**1963.**
Stddev	.96	45.	121.	93.
%RSD	6.206	3.545	2.558	4.732
#1	16.08	1228.	4605.	1856.
#2	14.35	1311.	4811.	2026.
#3	15.94	1302.	4820.	2007.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4895.7**	**30742.**	**4871.1**
Stddev	19.7	498.	30.5
%RSD	.40204	1.6187	.62673
#1	4918.4	31316.	4872.9
#2	4884.2	30465.	4839.8
#3	4884.5	30444.	4900.7

Sample Name: 460-118822-a-1-f@4 Acquired: 8/23/2016 17:43:39 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51400.**	**6.703**	**3.517**	**233.0**	**1.119**	**6484.**
Stddev	1524.	1.977	.369	.1	.083	170.
%RSD	2.966	29.50	10.49	.0517	7.373	2.618
#1	49650.	4.941	3.405	232.9	1.024	6288.
#2	52100.	6.326	3.217	233.1	1.158	6575.
#3	52440.	8.841	3.929	233.0	1.174	6589.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.749**	**29.69**	**48.30**	**72.35**	**92730.**	**1648.**
Stddev	.358	.18	1.40	1.43	2449.	56.
%RSD	20.49	.5961	2.892	1.981	2.641	3.415
#1	2.158	29.50	46.72	70.82	89910.	1586.
#2	1.492	29.85	49.39	72.55	94120.	1664.
#3	1.595	29.73	48.79	73.67	94180.	1695.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6973.**	**1060.**	**395.7**	**37.49**	**132.2**	**-.1415**
Stddev	202.	28.	27.0	.12	2.3	1.325
%RSD	2.903	2.680	6.828	.3081	1.759	936.8
#1	6741.	1027.	366.1	37.44	130.9	-1.658
#2	7067.	1075.	419.0	37.41	130.9	.7940
#3	7112.	1078.	402.0	37.62	134.9	.4395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118822-a-1-f@4 Acquired: 8/23/2016 17:43:39 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.962**	**-1.903**	**131.1**	**213.0**	**3.188**	**2.526**
Stddev	2.672	1.214	2.7	.9	.442	.262
%RSD	136.2	63.80	2.092	.4252	13.85	10.36
#1	3.860	-3.136	127.9	212.1	2.945	2.377
#2	3.120	-.7081	132.4	212.9	2.922	2.828
#3	-1.094	-1.866	133.0	213.9	3.698	2.373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.856**	**38.92**	**2374.**	**1654.**
Stddev	.411	1.17	53.	36.
%RSD	5.232	3.005	2.240	2.164
#1	7.903	37.63	2313.	1613.
#2	8.241	39.22	2402.	1670.
#3	7.423	39.91	2408.	1679.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5342.4**	**33385.**	**5189.3**
Stddev	5.8	498.	95.5
%RSD	.10867	1.4922	1.8407
#1	5339.9	33958.	5299.5
#2	5338.3	33055.	5138.7
#3	5349.0	33141.	5129.8

Sample Name: 460-118952-a-3-a@4 Acquired: 8/23/2016 17:47:30 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**85170.**	**20.41**	**3.212**	**1173.**	**1.596**	**24670.**
Stddev	2032.	3.00	.570	4.	.123	591.
%RSD	2.386	14.72	17.74	.2987	7.679	2.394
#1	82850.	22.46	3.439	1170.	1.500	24000.
#2	86630.	16.96	2.564	1177.	1.734	25110.
#3	86030.	21.81	3.634	1171.	1.554	24900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.844**	**30.89**	**46.22**	**92.04**	**68520.**	**6280.**
Stddev	.181	.11	1.19	2.03	1363.	154.
%RSD	9.824	.3692	2.582	2.207	1.988	2.450
#1	2.053	30.89	44.85	89.84	66990.	6107.
#2	1.728	30.77	46.97	93.85	69600.	6333.
#3	1.751	31.00	46.85	92.44	68980.	6400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26700.**	**3002.**	**283.9**	**113.6**	**82.81**	**-.5323**
Stddev	522.	57.	1.7	.3	1.09	1.231
%RSD	1.956	1.889	.5880	.2881	1.311	231.3
#1	26110.	2938.	282.0	113.5	81.83	.7094
#2	27110.	3046.	285.2	113.3	82.63	-.5534
#3	26880.	3022.	284.4	114.0	83.98	-1.753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118952-a-3-a@4 Acquired: 8/23/2016 17:47:30 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.557**	**-2.192**	**88.37**	**281.8**	**13.55**	**2.477**
Stddev	4.330	1.271	2.00	2.7	.55	.241
%RSD	278.1	57.98	2.269	.9438	4.074	9.725
#1	1.356	-1.728	86.24	278.7	13.10	2.618
#2	.5054	-1.218	88.65	283.6	14.17	2.614
#3	-6.533	-3.629	90.23	283.0	13.39	2.199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.934**	**48.98**	**1877.**	**2318.**
Stddev	.433	1.10	34.	21.
%RSD	7.300	2.248	1.836	.8895
#1	6.391	47.71	1838.	2308.
#2	5.881	49.70	1900.	2305.
#3	5.529	49.53	1895.	2342.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5195.3**	**31958.**	**5025.9**
Stddev	24.9	428.	103.9
%RSD	.47837	1.3386	2.0675
#1	5170.8	32228.	5119.4
#2	5194.7	31465.	4914.0
#3	5220.5	32182.	5044.4

Sample Name: CCV Acquired: 8/23/2016 17:51:23 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**117800.**	**2622.**	**1204.**	**10060.**	**975.5**	**118400.**
Stddev	676.	22.	6.	28.	5.2	1967.
%RSD	.5744	.8383	.5285	.2743	.5367	1.661
#1	117000.	2597.	1198.	10030.	969.7	119100.
#2	118300.	2631.	1210.	10070.	979.9	119800.
#3	118000.	2639.	1203.	10080.	976.9	116100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1243.**	**2569.**	**4895.**	**12090.**	**96700.**	**47840.**
Stddev	2.	8.	58.	144.	1091.	135.
%RSD	.1513	.3132	1.189	1.188	1.128	.2821
#1	1243.	2560.	4910.	11960.	96820.	47690.
#2	1245.	2572.	4943.	12050.	97730.	47930.
#3	1242.	2575.	4830.	12240.	95560.	47920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119300.**	**4826.**	**119600.**	**2584.**	**7745.**	**1035.**
Stddev	1164.	47.	285.	6.	9.	11.
%RSD	.9764	.9736	.2383	.2217	.1099	1.072
#1	119500.	4833.	119400.	2578.	7755.	1025.
#2	120300.	4869.	119500.	2587.	7742.	1034.
#3	118000.	4775.	119900.	2588.	7739.	1047.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 17:51:23 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2549.**	**2519.**	**2448.**	**2542.**	**1051.**	**2423.**
Stddev	24.	12.	14.	29.	12.	17.
%RSD	.9303	.4709	.5768	1.154	1.165	.6830
#1	2523.	2508.	2448.	2571.	1038.	2405.
#2	2556.	2517.	2462.	2543.	1052.	2427.
#3	2569.	2531.	2434.	2513.	1063.	2438.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1016.**	**4944.**	**9748.**	**10070.**
Stddev	2.	30.	41.	199.
%RSD	.1701	.6058	.4214	1.973
#1	1017.	4912.	9712.	9888.
#2	1016.	4951.	9793.	10050.
#3	1014.	4970.	9739.	10280.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4720.2**	**28724.**	**4575.1**
Stddev	51.3	95.	55.2
%RSD	1.0864	.33175	1.2068
#1	4773.8	28813.	4581.7
#2	4715.3	28624.	4516.9
#3	4671.6	28736.	4626.7

Sample Name: CCB Acquired: 8/23/2016 17:55:00 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.524**	**-3.074**	**.9233**	**-.0647**	**.0864**	**17.66**
Stddev	7.309	2.041	.4026	.1671	.1118	1.80
%RSD	112.0	66.39	43.60	258.2	129.4	10.20
#1	-1.422	-5.429	1.386	-.2199	-.0005	17.23
#2	8.033	-1.961	.7302	.1122	.0472	19.64
#3	12.96	-1.831	.6537	-.0865	.2125	16.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1747**	**-.1166**	**-.1014**	**.9833**	**10.84**	**44.61**
Stddev	.0053	.2142	.2632	.2824	7.54	31.50
%RSD	3.021	183.7	259.5	28.72	69.53	70.61
#1	.1697	-.1535	-.1805	1.008	15.74	78.88
#2	.1802	.1136	-.3161	1.252	14.64	16.92
#3	.1740	-.3101	.1922	.6893	2.161	38.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.332**	**.0526**	**57.20**	**.2654**	**2.129**	**-.8362**
Stddev	5.268	.0583	23.97	.1145	1.369	1.875
%RSD	395.4	110.8	41.91	43.13	64.32	224.3
#1	-4.799	.0566	84.83	.3930	1.091	-2.371
#2	-3.927	-.0076	44.79	.2318	3.681	-1.392
#3	4.730	.1088	41.98	.1715	1.615	1.254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 17:55:00 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.507**	**.1319**	**.2062**	**.0370**	**2.233**	**.3935**
Stddev	4.443	.5699	.3085	.0388	.414	.4324
%RSD	294.7	432.0	149.6	105.0	18.55	109.9
#1	-3.215	.4123	-.1373	.0411	2.493	.8725
#2	5.605	.5073	.4596	.0735	2.451	.2764
#3	2.132	-.5238	.2963	-.0038	1.755	.0317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.6175**	**.0767**	**.1590**	**19.40**
Stddev	.6206	.0760	.1090	12.07
%RSD	100.5	99.08	68.54	62.21
#1	-.6449	.1231	.2540	8.896
#2	.0164	-.0110	.1830	32.58
#3	-1.224	.1179	.0400	16.72
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5144.3**	**31670.**	**4736.6**
Stddev	24.8	222.	26.6
%RSD	.48163	.70118	.56218
#1	5115.7	31710.	4766.1
#2	5160.2	31430.	4729.2
#3	5156.9	31869.	4714.4

Sample Name: CCVL Acquired: 8/23/2016 17:59:01 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**180.9**	**11.29**	**9.868**	**194.4**	**1.719**	**4357.**
Stddev	9.7	1.26	.209	.5	.068	12.
%RSD	5.356	11.15	2.119	.2534	3.939	.2849
#1	191.1	11.38	10.10	193.9	1.758	4349.
#2	171.8	12.49	9.788	194.9	1.758	4372.
#3	179.8	9.983	9.710	194.5	1.641	4351.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.799**	**50.04**	**9.100**	**23.14**	**167.5**	**4234.**
Stddev	.109	.19	.157	.37	4.3	5.
%RSD	2.879	.3770	1.723	1.580	2.551	.1174
#1	3.795	49.82	9.241	22.94	165.0	4228.
#2	3.910	50.17	9.128	22.91	172.4	4238.
#3	3.691	50.13	8.932	23.56	165.1	4236.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4460.**	**14.14**	**4164.**	**41.08**	**11.66**	**17.78**
Stddev	56.	.16	16.	.20	1.92	.17
%RSD	1.252	1.150	.3917	.4981	16.47	.9838
#1	4396.	13.97	4150.	41.31	12.87	17.97
#2	4497.	14.30	4182.	40.93	12.66	17.63
#3	4488.	14.14	4159.	41.00	9.442	17.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 17:59:01 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22.23**	**18.00**	**45.84**	**31.73**	**49.04**	**17.93**
Stddev	1.93	1.11	.73	.12	.83	.40
%RSD	8.677	6.138	1.587	.3786	1.689	2.225
#1	24.14	19.24	45.10	31.59	48.20	17.75
#2	22.27	17.60	46.56	31.81	49.86	18.39
#3	20.28	17.14	45.86	31.79	49.05	17.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.65**	**18.55**	**19.30**	F **2.743**
Stddev	1.08	.17	.15	19.32
%RSD	2.261	.9183	.7774	704.3
#1	47.05	18.41	19.13	-16.61
#2	47.01	18.50	19.37	2.822
#3	48.90	18.74	19.40	22.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5066.0**	**31317.**	**4791.2**
Stddev	30.8	91.	21.0
%RSD	.60822	.29088	.43892
#1	5101.3	31414.	4778.6
#2	5044.5	31233.	4779.6
#3	5052.2	31305.	4815.5

Sample Name: 460-118946-a-23-a@4 Acquired: 8/23/2016 18:03:02 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**58050.**	**20.56**	**3.450**	**190.7**	**.8631**	**3264.**
Stddev	371.	.73	.553	.5	.2054	9.
%RSD	.6393	3.563	16.04	.2460	23.80	.2616
#1	58360.	20.57	2.817	190.2	1.034	3273.
#2	58150.	21.29	3.838	190.8	.6355	3256.
#3	57640.	19.83	3.697	191.1	.9194	3265.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.112**	**28.54**	**103.1**	**45.75**	**96300.**	**3774.**
Stddev	.067	.40	1.2	.43	483.	26.
%RSD	5.974	1.400	1.121	.9365	.5017	.6969
#1	1.036	28.42	101.9	46.24	96860.	3750.
#2	1.147	28.22	104.1	45.52	96000.	3802.
#3	1.154	28.99	103.4	45.49	96050.	3769.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10100.**	**578.7**	**228.2**	**55.26**	**59.81**	**.2697**
Stddev	95.	3.6	7.3	.85	.56	.8263
%RSD	.9385	.6241	3.191	1.544	.9289	306.4
#1	10140.	582.9	230.5	54.28	59.85	1.182
#2	9995.	576.9	234.0	55.84	60.34	-.4274
#3	10180.	576.4	220.0	55.66	59.23	.0539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-23-a@4 Acquired: 8/23/2016 18:03:02 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2903**	**-2.226**	**157.1**	**144.7**	**15.01**	**2.651**
Stddev	4.210	1.180	1.2	.6	.23	.253
%RSD	1450.	52.98	.7486	.3975	1.517	9.527
#1	1.539	-3.588	156.7	144.1	14.78	2.530
#2	-5.106	-1.559	156.1	144.8	15.01	2.941
#3	2.695	-1.532	158.4	145.2	15.24	2.481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.207**	**34.75**	**2489.**	**2319.**
Stddev	.978	.13	13.	66.
%RSD	13.57	.3732	.5226	2.863
#1	6.236	34.86	2504.	2310.
#2	8.192	34.77	2480.	2257.
#3	7.192	34.61	2484.	2389.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5123.0**	**31606.**	**4802.5**
Stddev	39.4	518.	87.2
%RSD	.76954	1.6385	1.8165
#1	5087.7	31011.	4758.1
#2	5165.5	31956.	4746.4
#3	5115.8	31850.	4903.0

Sample Name: 460-118946-a-24-a@4 Acquired: 8/23/2016 18:06:53 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38550.**	**17.89**	**3.987**	**201.6**	**1.515**	**3512.**
Stddev	69.	3.01	.400	.7	.104	22.
%RSD	.1780	16.84	10.03	.3617	6.856	.6235
#1	38610.	15.19	4.265	201.0	1.632	3501.
#2	38480.	21.14	4.168	201.4	1.482	3537.
#3	38580.	17.34	3.529	202.4	1.433	3498.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.445**	**58.20**	**81.32**	**45.23**	**111500.**	**3508.**
Stddev	.120	.18	.47	.34	395.	5.
%RSD	8.300	.3133	.5733	.7494	.3540	.1448
#1	1.372	58.07	80.88	45.11	111100.	3504.
#2	1.379	58.12	81.81	44.96	111900.	3513.
#3	1.583	58.41	81.28	45.61	111400.	3506.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10510.**	**1310.**	**377.2**	**61.07**	**67.41**	**-.7639**
Stddev	62.	4.	6.0	.44	.53	1.477
%RSD	.5868	.2958	1.586	.7158	.7877	193.4
#1	10440.	1307.	374.8	61.41	68.02	-.5100
#2	10550.	1314.	372.8	61.22	67.06	.5697
#3	10530.	1310.	384.0	60.58	67.15	-2.352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-24-a@4 Acquired: 8/23/2016 18:06:53 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9259**	**-2.699**	**127.7**	**148.7**	**12.07**	**2.917**
Stddev	2.617	1.631	.7	.4	.31	.060
%RSD	282.6	60.42	.5630	.2590	2.585	2.062
#1	-.5489	-3.274	126.9	148.7	12.32	2.855
#2	3.947	-.8582	128.2	149.2	12.17	2.975
#3	-.6207	-3.963	128.1	148.4	11.72	2.921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.514**	**36.57**	**1862.**	**1920.**
Stddev	.406	.18	4.	17.
%RSD	5.400	.4865	.2314	.8938
#1	7.397	36.45	1858.	1901.
#2	7.966	36.49	1866.	1934.
#3	7.180	36.78	1863.	1925.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5123.7**	**31811.**	**4878.2**
Stddev	6.2	67.	50.9
%RSD	.12139	.21119	1.0425
#1	5121.2	31762.	4882.5
#2	5130.7	31785.	4926.8
#3	5119.0	31888.	4825.4

Sample Name: 460-118997-a-6-a@4 Acquired: 8/23/2016 18:10:46 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35780.**	**28.10**	**8.075**	**279.1**	**1.604**	**138800.**
Stddev	584.	2.30	.312	.5	.109	1044.
%RSD	1.631	8.191	3.864	.1646	6.779	.7524
#1	35110.	29.11	7.773	278.6	1.696	139300.
#2	36200.	25.47	8.056	279.3	1.484	137600.
#3	36030.	29.72	8.396	279.4	1.632	139500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.822**	**29.94**	**292.3**	**287.2**	**74150.**	**8938.**
Stddev	.109	.61	3.1	2.4	447.	147.
%RSD	2.265	2.031	1.065	.8357	.6026	1.641
#1	4.887	29.31	293.7	284.9	74320.	8771.
#2	4.696	29.97	288.7	286.9	73640.	9002.
#3	4.883	30.53	294.5	289.7	74490.	9042.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25370.**	**1578.**	**19490.**	**125.8**	**327.7**	**-.7878**
Stddev	170.	10.	320.	1.1	1.3	1.288
%RSD	.6706	.6491	1.642	.8787	.4093	163.5
#1	25460.	1583.	19120.	124.6	326.7	-1.698
#2	25170.	1567.	19710.	126.2	329.3	.6856
#3	25470.	1586.	19640.	126.7	327.2	-1.351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118997-a-6-a@4 Acquired: 8/23/2016 18:10:46 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4654**	**-3.306**	**114.5**	**725.7**	**83.73**	**3.646**
Stddev	1.243	2.591	.6	8.7	1.08	.332
%RSD	267.1	78.38	.5637	1.204	1.289	9.113
#1	.4443	-3.170	113.8	715.7	82.82	3.306
#2	-.7668	-5.963	114.7	729.4	83.45	3.661
#3	1.719	-.7854	115.1	731.9	84.92	3.970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**65.97**	**841.6**	**700.1**	**4531.**
Stddev	.82	13.2	5.7	18.
%RSD	1.247	1.572	.8186	.3937
#1	65.26	826.5	695.6	4512.
#2	66.87	851.2	698.2	4536.
#3	65.78	847.2	706.6	4546.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4953.9**	**30966.**	**4950.4**
Stddev	32.8	518.	37.5
%RSD	.66299	1.6731	.75749
#1	4916.0	30384.	4974.6
#2	4974.8	31377.	4907.2
#3	4970.8	31137.	4969.4

Sample Name: 460-118997-a-12-a@4 Acquired: 8/23/2016 18:14:36 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32070.**	**25.19**	**8.078**	**259.6**	**1.484**	**117800.**
Stddev	677.	.85	.326	.8	.168	1995.
%RSD	2.111	3.374	4.029	.2956	11.31	1.694
#1	31290.	25.54	8.442	258.7	1.336	116300.
#2	32380.	25.80	7.977	260.1	1.449	116900.
#3	32530.	24.22	7.814	260.0	1.666	120000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.384**	**28.25**	**278.4**	**286.5**	**69520.**	**7964.**
Stddev	.198	.13	3.9	2.2	1031.	155.
%RSD	4.520	.4527	1.408	.7711	1.483	1.944
#1	4.483	28.18	275.3	284.2	68710.	7786.
#2	4.512	28.40	277.2	288.7	69170.	8065.
#3	4.155	28.17	282.8	286.5	70680.	8040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22930.**	**1470.**	**18600.**	**116.5**	**329.9**	**-.9696**
Stddev	314.	19.	374.	.6	1.3	1.425
%RSD	1.369	1.287	2.009	.5274	.3963	147.0
#1	22660.	1453.	18180.	115.8	328.5	.5321
#2	22860.	1466.	18880.	117.0	331.1	-1.137
#3	23280.	1490.	18750.	116.7	330.2	-2.304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118997-a-12-a@4 Acquired: 8/23/2016 18:14:36 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.909**	**-3.753**	**105.0**	**687.0**	**70.04**	**3.193**
Stddev	2.868	1.949	1.2	5.5	.47	.328
%RSD	150.2	51.92	1.125	.8009	.6733	10.28
#1	3.283	-1.633	103.8	682.0	70.51	2.817
#2	3.832	-5.466	104.9	686.1	70.06	3.422
#3	-1.387	-4.159	106.2	692.9	69.56	3.341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**63.03**	**721.7**	**614.8**	**3240.**
Stddev	1.36	14.9	2.2	82.
%RSD	2.153	2.071	.3572	2.526
#1	61.70	704.5	613.3	3261.
#2	62.98	730.5	613.7	3310.
#3	64.41	730.2	617.3	3150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4959.1**	**31139.**	**4955.2**
Stddev	15.6	167.	84.2
%RSD	.31539	.53579	1.6986
#1	4942.2	31234.	5044.3
#2	4962.0	31236.	4944.3
#3	4973.1	30946.	4877.0

Sample Name: 460-118750-a-1-c@10 Acquired: 8/23/2016 18:18:28 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1039.**	**.1964**	**.8793**	**24.37**	**-.0658**	**37960.**
Stddev	10.	1.717	.1644	.24	.0685	140.
%RSD	.9863	874.1	18.70	.9924	104.1	.3700
#1	1050.	-1.434	1.067	24.63	-.0363	37800.
#2	1037.	1.988	.7609	24.33	-.0170	38070.
#3	1030.	.0352	.8100	24.15	-.1441	38010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.596**	**3.980**	**-.0396**	**5.173**	**24.54**	**13900.**
Stddev	.093	.184	.5779	.153	6.30	157.
%RSD	1.223	4.626	1458.	2.966	25.69	1.126
#1	7.529	4.191	-.1288	5.012	23.53	13720.
#2	7.556	3.894	.5777	5.317	31.28	13970.
#3	7.702	3.854	-.5678	5.191	18.80	14010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6281.**	**50.48**	F **319800.**	**14.93**	**1.512**	**16.58**
Stddev	67.	.57	4733.	.73	1.608	2.41
%RSD	1.063	1.133	1.480	4.860	106.4	14.54
#1	6209.	50.05	325000.	14.57	3.356	14.99
#2	6294.	50.28	318700.	15.76	.7790	19.35
#3	6340.	51.13	315800.	14.45	.4006	15.39
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118750-a-1-c@10 Acquired: 8/23/2016 18:18:28 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.253**	**-1.677**	**.4623**	**2735.**	**1788.**	**20.93**
Stddev	.792	.948	.3198	13.	10.	.19
%RSD	15.08	56.52	69.17	.4751	.5822	.9176
#1	6.167	-.6646	.8278	2725.	1780.	21.09
#2	4.788	-2.544	.2337	2750.	1784.	20.98
#3	4.802	-1.824	.3255	2730.	1800.	20.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0272**	**140.0**	**3.020**	**5409.**
Stddev	.2420	.9	.097	30.
%RSD	891.0	.6366	3.220	.5549
#1	.1613	139.0	2.951	5401.
#2	-.3002	140.4	2.978	5384.
#3	.0574	140.7	3.131	5442.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4854.6**	**28800.**	**4601.3**
Stddev	24.3	176.	18.4
%RSD	.50155	.61152	.40018
#1	4862.8	28998.	4620.3
#2	4873.8	28737.	4600.2
#3	4827.2	28663.	4583.5

Sample Name: 460-118862-f-1-d@30 Acquired: 8/23/2016 18:22:21 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**71.32**	**-2.537**	**.2345**	**4.616**	**-.1384**	F **438500.**
Stddev	2.28	1.682	.1977	.084	.0767	5973.
%RSD	3.194	66.29	84.31	1.823	55.39	1.362
#1	73.15	-2.960	.0666	4.621	-.0500	445300.
#2	72.04	-.6840	.1845	4.697	-.1857	435800.
#3	68.77	-3.966	.4524	4.529	-.1795	434300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.073**	**.2261**	**-3.946**	**4.445**	**1122.**	**18830.**
Stddev	.071	.3552	.180	.580	4.	136.
%RSD	1.004	157.1	4.570	13.04	.3748	.7203
#1	6.991	.0001	-3.860	4.002	1127.	18690.
#2	7.112	.0426	-3.825	5.101	1119.	18830.
#3	7.115	.6356	-4.153	4.231	1119.	18960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**145.5**	**171.5**	**10580.**	**.7551**	**-2.346**	**-.7856**
Stddev	2.9	.4	25.	.3516	1.849	1.774
%RSD	2.019	.2274	.2385	46.57	78.84	225.8
#1	145.7	171.7	10550.	.3698	-1.625	-1.766
#2	142.5	171.1	10600.	.8368	-.9650	1.263
#3	148.3	171.8	10590.	1.059	-4.447	-1.854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118862-f-1-d@30 Acquired: 8/23/2016 18:22:21 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8911**	**-16.01**	**-.1947**	**920.7**	**189.0**	**-.6363**
Stddev	.4686	3.16	.5140	5.8	1.1	.1564
%RSD	52.59	19.76	264.0	.6251	.5894	24.59
#1	-1.431	-18.98	-.5485	925.3	187.8	-.4977
#2	-.6561	-12.69	.3949	914.3	189.5	-.6052
#3	-.5864	-16.35	-.4305	922.7	189.9	-.8059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.548**	**7735.**	**3.076**	**50.62**
Stddev	1.160	11.	.128	11.83
%RSD	74.94	.1397	4.173	23.37
#1	-2.121	7739.	3.127	62.85
#2	-2.309	7744.	3.172	39.24
#3	-.2129	7723.	2.930	49.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4730.6**	**28541.**	**4491.2**
Stddev	21.4	298.	140.4
%RSD	.45137	1.0438	3.1263
#1	4742.1	28330.	4361.1
#2	4706.0	28412.	4472.3
#3	4743.8	28882.	4640.0

Sample Name: CCV Acquired: 8/23/2016 18:26:19 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**116400.**	**2594.**	**1188.**	**9917.**	**960.5**	**115700.**
Stddev	213.	7.	5.	5.	.7	1204.
%RSD	.1833	.2530	.4098	.0551	.0759	1.041
#1	116200.	2587.	1187.	9912.	960.1	115900.
#2	116600.	2600.	1194.	9923.	961.3	116800.
#3	116400.	2596.	1185.	9918.	960.1	114400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1224.**	**2536.**	**4798.**	**11950.**	**94610.**	**47370.**
Stddev	.	2.	35.	28.	640.	70.
%RSD	.0358	.0616	.7316	.2362	.6762	.1480
#1	1225.	2537.	4796.	11940.	94620.	47360.
#2	1224.	2536.	4833.	11930.	95240.	47440.
#3	1224.	2534.	4763.	11980.	93960.	47310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**116900.**	**4728.**	**117300.**	**2547.**	**7622.**	**1027.**
Stddev	772.	32.	420.	2.	21.	4.
%RSD	.6602	.6788	.3577	.0602	.2803	.3778
#1	116900.	4724.	117700.	2547.	7630.	1025.
#2	117700.	4761.	117200.	2549.	7638.	1032.
#3	116100.	4697.	116900.	2546.	7598.	1025.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 18:26:19 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2535.**	**2494.**	**2410.**	**2494.**	**1047.**	**2396.**
Stddev	8.	19.	9.	11.	3.	3.
%RSD	.3349	.7521	.3764	.4405	.3234	.1419
#1	2545.	2515.	2413.	2504.	1050.	2392.
#2	2528.	2488.	2417.	2496.	1044.	2399.
#3	2533.	2479.	2400.	2482.	1045.	2397.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1004.**	**4889.**	**9591.**	**9887.**
Stddev	6.	9.	29.	94.
%RSD	.5694	.1763	.3008	.9484
#1	1010.	4882.	9587.	9886.
#2	1003.	4888.	9622.	9794.
#3	999.2	4899.	9565.	9981.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4746.9**	**29124.**	**4592.0**
Stddev	14.9	65.	30.3
%RSD	.31332	.22310	.65958
#1	4759.9	29140.	4602.1
#2	4750.0	29052.	4557.9
#3	4730.7	29179.	4615.9

Sample Name: CCB Acquired: 8/23/2016 18:29:55 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.192**	**-1.050**	**.9804**	**-.1473**	**-.1012**	**8.355**
Stddev	4.972	1.327	.3213	.1288	.0182	7.208
%RSD	54.09	126.4	32.78	87.47	18.04	86.27
#1	8.250	-2.556	1.351	-.2900	-.0817	12.12
#2	4.758	-.5371	.8137	-.0394	-.1038	.0443
#3	14.57	-.0555	.7766	-.1126	-.1179	12.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0247**	**-.2296**	**-.2956**	**1.156**	**6.732**	**79.07**
Stddev	.0310	.3896	.3329	.613	4.070	24.94
%RSD	125.4	169.6	112.6	52.97	60.46	31.54
#1	.0531	.2184	-.1476	.7559	5.347	104.9
#2	-.0083	-.4887	-.6767	.8515	3.535	77.22
#3	.0292	-.4187	-.0623	1.861	11.31	55.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.480**	**.0280**	**72.00**	**-.0455**	**1.321**	**-1.032**
Stddev	3.709	.0595	30.66	.1844	.346	1.077
%RSD	82.80	212.5	42.58	405.4	26.16	104.4
#1	8.746	.0967	103.2	-.2338	1.703	-1.021
#2	2.682	-.0053	41.87	.1347	1.232	.0391
#3	2.012	-.0074	70.99	-.0374	1.029	-2.116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 18:29:55 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7630**	**-.8013**	**.4902**	**.0357**	**3.512**	**.3556**
Stddev	.5722	3.340	.1002	.0420	.794	.5863
%RSD	74.99	416.8	20.44	117.6	22.62	164.9
#1	.4265	-4.653	.3808	-.0016	3.681	1.023
#2	.4389	1.287	.5776	.0812	4.208	.1198
#3	1.424	.9625	.5121	.0275	2.646	-.0760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0966**	**.1207**	**.3200**	**20.96**
Stddev	.4867	.0347	.1268	17.53
%RSD	503.8	28.73	39.62	83.62
#1	-.2349	.1607	.3270	.7507
#2	.6553	.1016	.4431	30.15
#3	-.1306	.0997	.1898	31.99
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5106.9**	**31381.**	**4716.0**
Stddev	14.6	34.	32.5
%RSD	.28587	.10946	.68978
#1	5123.2	31349.	4724.5
#2	5102.6	31417.	4743.4
#3	5095.0	31377.	4680.0

Sample Name: CCVL Acquired: 8/23/2016 18:33:56 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**176.6**	**11.36**	**10.05**	**195.0**	**1.744**	**4419.**
Stddev	2.7	.89	.38	.8	.063	12.
%RSD	1.509	7.821	3.786	.4008	3.628	.2707
#1	179.6	12.01	10.44	194.2	1.674	4413.
#2	175.7	10.35	10.02	195.8	1.796	4433.
#3	174.5	11.71	9.684	195.1	1.761	4412.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.907**	**50.06**	**9.602**	**22.83**	**171.2**	**4242.**
Stddev	.082	.58	.167	.28	8.1	61.
%RSD	2.102	1.168	1.743	1.223	4.710	1.448
#1	3.815	49.39	9.512	22.88	162.5	4216.
#2	3.973	50.44	9.795	23.08	178.4	4197.
#3	3.932	50.36	9.499	22.53	172.9	4312.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4486.**	**14.30**	**4169.**	**41.23**	**13.05**	**18.82**
Stddev	30.	.09	50.	.57	2.64	1.41
%RSD	.6721	.6276	1.207	1.386	20.26	7.508
#1	4478.	14.21	4111.	40.71	15.75	17.18
#2	4520.	14.39	4199.	41.84	10.46	19.62
#3	4461.	14.30	4196.	41.15	12.93	19.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 18:33:56 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.55**	**20.76**	**46.45**	**32.07**	**49.23**	**18.12**
Stddev	2.82	2.41	.20	.07	.55	.16
%RSD	14.45	11.61	.4380	.2228	1.125	.8716
#1	17.09	18.47	46.32	32.07	48.97	18.17
#2	22.63	20.52	46.35	32.00	48.86	18.25
#3	18.92	23.27	46.69	32.14	49.87	17.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.64**	**18.60**	**19.30**	F **6.566**
Stddev	2.07	.33	.10	10.44
%RSD	4.348	1.783	.5125	159.1
#1	46.11	18.29	19.22	18.63
#2	50.00	18.54	19.27	.6500
#3	46.81	18.95	19.41	.4219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5093.3**	**31228.**	**4748.0**
Stddev	14.5	354.	95.6
%RSD	.28372	1.1348	2.0140
#1	5087.3	30823.	4640.6
#2	5109.8	31480.	4779.5
#3	5082.8	31380.	4824.0

Sample Name: CCV Acquired: 8/23/2016 18:49:01 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**116000.**	**2598.**	**1186.**	**9903.**	**961.5**	**114700.**
Stddev	529.	10.	4.	5.	3.2	302.
%RSD	.4560	.3743	.3188	.0501	.3336	.2635
#1	115500.	2587.	1183.	9901.	958.6	115100.
#2	116500.	2606.	1185.	9899.	964.9	114500.
#3	115900.	2601.	1191.	9909.	960.9	114500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1219.**	**2534.**	**4777.**	**11950.**	**94020.**	**47030.**
Stddev	1.	2.	6.	79.	84.	179.
%RSD	.1179	.0870	.1268	.6644	.0890	.3798
#1	1221.	2531.	4784.	11860.	94110.	46850.
#2	1219.	2535.	4773.	11990.	93940.	47210.
#3	1218.	2535.	4774.	12010.	94010.	47020.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**116500.**	**4702.**	**117500.**	**2547.**	**7634.**	**1032.**
Stddev	83.	5.	266.	1.	8.	4.
%RSD	.0710	.1132	.2261	.0548	.1057	.4350
#1	116600.	4707.	117300.	2546.	7625.	1028.
#2	116400.	4701.	117800.	2548.	7641.	1033.
#3	116400.	4697.	117400.	2546.	7635.	1037.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 18:49:01 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2545.**	**2480.**	**2396.**	**2477.**	**1049.**	**2390.**
Stddev	17.	14.	3.	11.	5.	5.
%RSD	.6739	.5539	.1145	.4328	.4398	.2084
#1	2525.	2467.	2395.	2488.	1043.	2385.
#2	2551.	2494.	2394.	2468.	1052.	2394.
#3	2558.	2480.	2399.	2474.	1050.	2393.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1003.**	**4905.**	**9540.**	**10030.**
Stddev	3.	15.	11.	24.
%RSD	.2521	.2977	.1182	.2379
#1	1004.	4894.	9527.	10010.
#2	999.9	4922.	9543.	10060.
#3	1005.	4899.	9549.	10030.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4680.8**	**28874.**	**4629.1**
Stddev	12.9	43.	15.4
%RSD	.27605	.14771	.33278
#1	4694.9	28906.	4642.1
#2	4669.5	28826.	4612.1
#3	4678.0	28890.	4633.2

Sample Name: CCB Acquired: 8/23/2016 18:52:36 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.86**	**-2.207**	**.4137**	**-.0174**	**-.1488**	**16.95**
Stddev	8.22	2.196	.4743	.1600	.1544	6.12
%RSD	55.29	99.50	114.7	918.3	103.8	36.08
#1	7.114	-2.351	.0515	.1011	-.2670	16.49
#2	23.48	.0577	.9506	.0460	.0258	23.29
#3	13.99	-4.326	.2390	-.1994	-.2052	11.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0210**	**.0082**	**.2552**	**1.212**	**7.659**	**38.15**
Stddev	.0762	.2129	.8824	.039	7.070	24.71
%RSD	362.2	2589.	345.8	3.184	92.31	64.77
#1	.1036	.2490	-.5276	1.201	13.45	31.31
#2	.0062	-.0690	1.211	1.255	9.742	65.55
#3	-.0467	-.1553	.0817	1.181	-.2184	17.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.327**	**.0341**	**51.47**	**.4915**	**.5973**	**-1.172**
Stddev	5.668	.0460	17.52	.2262	1.657	.633
%RSD	170.3	135.0	34.03	46.02	277.4	54.07
#1	9.863	.0792	60.41	.7247	1.562	-.4405
#2	-.2352	-.0127	31.29	.4768	1.546	-1.558
#3	.3547	.0357	62.73	.2730	-1.316	-1.517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 18:52:36 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.091**	**-1.863**	**.0498**	**.1713**	**2.676**	**.4055**
Stddev	3.052	1.168	.2678	.2654	.919	.5360
%RSD	146.0	62.73	537.8	155.0	34.33	132.2
#1	-.7120	-3.063	.3327	.1359	3.544	1.019
#2	1.641	-.7285	-.1997	.4527	2.772	.0252
#3	5.342	-1.797	.0164	-.0746	1.714	.1729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.000**	**.0937**	**.2094**	**9.159**
Stddev	.438	.1271	.1337	20.41
%RSD	43.83	135.7	63.86	222.9
#1	-.9220	.2383	.3616	-10.03
#2	-.6062	-.0004	.1109	30.60
#3	-1.472	.0431	.1557	6.907
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5082.5**	**31425.**	**4647.3**
Stddev	9.3	371.	119.4
%RSD	.18366	1.1821	2.5683
#1	5090.8	31293.	4576.0
#2	5084.3	31138.	4580.8
#3	5072.4	31845.	4785.1

Sample Name: CCVL Acquired: 8/23/2016 18:56:38 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**178.8**	**13.80**	**9.423**	**195.7**	**1.751**	**4373.**
Stddev	11.4	1.57	.092	.7	.084	63.
%RSD	6.376	11.40	.9722	.3515	4.784	1.440
#1	180.8	12.47	9.510	196.4	1.760	4302.
#2	166.5	15.54	9.328	195.6	1.663	4393.
#3	189.1	13.38	9.430	195.0	1.830	4423.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.854**	**50.12**	**9.431**	**23.51**	**166.0**	**4220.**
Stddev	.141	.23	.304	.23	4.7	42.
%RSD	3.654	.4642	3.225	.9772	2.839	.9906
#1	3.717	49.93	9.111	23.36	162.6	4233.
#2	3.999	50.04	9.464	23.78	164.0	4173.
#3	3.846	50.38	9.717	23.39	171.4	4254.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4465.**	**14.23**	**4162.**	**41.30**	**11.72**	**18.22**
Stddev	77.	.25	7.	.64	1.19	2.34
%RSD	1.721	1.754	.1619	1.542	10.11	12.82
#1	4384.	13.98	4155.	40.93	12.39	15.81
#2	4474.	14.22	4163.	40.93	10.35	18.38
#3	4536.	14.48	4168.	42.04	12.42	20.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 18:56:38 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.87**	**20.08**	**46.79**	**31.83**	**49.64**	**18.46**
Stddev	2.45	3.74	.74	.32	.35	.28
%RSD	12.96	18.61	1.577	1.004	.7037	1.543
#1	21.68	17.89	46.04	31.51	49.65	18.50
#2	17.66	17.96	46.82	31.83	49.29	18.16
#3	17.26	24.40	47.51	32.15	49.98	18.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.29**	**18.61**	**19.36**	F **23.72**
Stddev	.71	.10	.15	20.26
%RSD	1.474	.5473	.7986	85.40
#1	47.54	18.50	19.21	16.35
#2	48.95	18.62	19.35	46.63
#3	48.37	18.70	19.52	8.179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5036.5**	**31160.**	**4798.4**
Stddev	18.4	100.	22.8
%RSD	.36472	.32152	.47493
#1	5015.8	31274.	4823.2
#2	5051.0	31117.	4793.7
#3	5042.5	31088.	4778.4

Sample Name: 460-118862-f-1-d@30 Acquired: 8/23/2016 19:00:37 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**67.06**	**-2.079**	**.3183**	**4.620**	**-.1397**	F **433500.**
Stddev	10.11	.925	.2094	.253	.1546	2540.
%RSD	15.07	44.50	65.78	5.475	110.7	.5860
#1	75.62	-1.708	.5097	4.458	-.1793	433500.
#2	69.66	-3.132	.0946	4.912	.0308	436000.
#3	55.91	-1.396	.3507	4.490	-.2705	430900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.950**	**.0849**	**-3.770**	**4.607**	**1113.**	**18900.**
Stddev	.084	.1220	.779	.384	21.	205.
%RSD	1.215	143.8	20.67	8.326	1.897	1.084
#1	6.855	.0703	-4.641	4.332	1108.	19130.
#2	6.976	-.0292	-3.531	4.443	1136.	18750.
#3	7.018	.2135	-3.138	5.045	1095.	18810.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**145.1**	**169.9**	**10610.**	**.2907**	**.8750**	**-.6052**
Stddev	5.1	1.4	22.	1.159	.9877	2.814
%RSD	3.490	.8499	.2064	398.8	112.9	465.0
#1	142.8	168.5	10630.	.1764	1.486	.4476
#2	150.9	171.4	10610.	1.503	-.2645	-3.794
#3	141.6	169.9	10580.	-.8072	1.404	1.531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118862-f-1-d@30 Acquired: 8/23/2016 19:00:37 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6227**	**-16.41**	**-.0037**	**907.3**	**184.3**	**-.4694**
Stddev	2.507	2.15	.0326	2.8	.8	.1243
%RSD	402.7	13.10	882.0	.3036	.4105	26.47
#1	.4802	-17.86	.0116	904.5	184.3	-.3277
#2	-3.492	-13.94	-.0411	907.6	183.6	-.5207
#3	1.144	-17.43	.0184	910.0	185.1	-.5598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.265**	**7751.**	**3.098**	**60.56**
Stddev	.959	29.	.118	13.72
%RSD	75.81	.3703	3.806	22.65
#1	-2.357	7779.	2.985	44.90
#2	-.5577	7721.	3.220	70.46
#3	-.8812	7752.	3.088	66.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4668.7**	**28277.**	**4524.9**
Stddev	6.3	89.	12.5
%RSD	.13578	.31402	.27640
#1	4669.1	28290.	4510.5
#2	4674.8	28183.	4532.5
#3	4662.1	28359.	4531.8

Sample Name: 460-118946-a-23-a@4 Acquired: 8/23/2016 19:04:35 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56350.**	**18.37**	**3.286**	**188.4**	**.6294**	**3178.**
Stddev	1977.	.79	.228	.6	.0757	72.
%RSD	3.508	4.287	6.935	.3095	12.03	2.271
#1	54090.	19.20	3.443	188.4	.6501	3100.
#2	57230.	17.63	3.025	187.8	.6925	3193.
#3	57740.	18.28	3.391	189.0	.5454	3242.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.047**	**27.90**	**100.7**	**44.37**	**94360.**	**3649.**
Stddev	.249	.36	2.7	1.11	2066.	106.
%RSD	23.73	1.276	2.709	2.502	2.189	2.917
#1	1.166	27.52	97.65	43.15	92090.	3527.
#2	1.213	28.22	101.4	45.31	94830.	3692.
#3	.7614	27.96	103.0	44.65	96140.	3726.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9824.**	**568.2**	**222.0**	**54.57**	**58.00**	**1.074**
Stddev	282.	11.6	7.9	1.02	1.22	2.134
%RSD	2.869	2.047	3.555	1.864	2.102	198.6
#1	9510.	555.1	213.0	53.78	59.35	3.383
#2	9906.	572.1	225.1	54.22	56.98	-.8256
#3	10060.	577.4	227.8	55.72	57.68	.6658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-23-a@4 Acquired: 8/23/2016 19:04:35 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.169**	**-1.144**	**153.5**	**142.3**	**14.56**	**2.508**
Stddev	3.422	2.251	3.9	1.6	.64	.140
%RSD	157.7	196.8	2.528	1.152	4.411	5.561
#1	-4.606	.5595	149.2	140.4	15.19	2.531
#2	1.743	-3.696	154.6	143.2	14.60	2.358
#3	-3.644	-.2954	156.8	143.2	13.90	2.634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.705**	**34.19**	**2442.**	**2263.**
Stddev	.339	1.01	38.	20.
%RSD	4.400	2.943	1.545	.8854
#1	7.345	33.02	2399.	2248.
#2	7.750	34.78	2459.	2286.
#3	8.019	34.76	2469.	2255.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5144.0**	**31839.**	**4936.2**
Stddev	29.8	272.	134.9
%RSD	.58025	.85335	2.7328
#1	5114.0	32142.	5083.4
#2	5144.2	31757.	4906.8
#3	5173.7	31618.	4818.5

Sample Name: 460-118946-a-24-a@4 Acquired: 8/23/2016 19:08:28 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37260.**	**16.45**	**4.035**	**197.9**	**1.339**	**3482.**
Stddev	1197.	2.03	.114	.8	.076	59.
%RSD	3.211	12.34	2.829	.3818	5.645	1.705
#1	35890.	17.94	4.136	197.0	1.342	3414.
#2	38040.	17.27	3.911	198.3	1.414	3509.
#3	37860.	14.13	4.058	198.3	1.262	3524.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9457**	**56.69**	**80.18**	**43.57**	**110300.**	**3375.**
Stddev	.1772	.28	1.74	.92	1517.	119.
%RSD	18.74	.4935	2.167	2.121	1.375	3.518
#1	1.134	56.58	78.21	42.53	108600.	3240.
#2	.7814	56.48	80.87	43.85	110900.	3463.
#3	.9222	57.00	81.47	44.31	111500.	3421.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10420.**	**1296.**	**372.9**	**60.29**	**66.58**	**-1.205**
Stddev	250.	19.	20.3	.78	3.44	1.024
%RSD	2.401	1.491	5.440	1.297	5.173	85.00
#1	10140.	1274.	352.8	61.15	68.95	-1.765
#2	10480.	1302.	393.4	59.62	62.63	-1.826
#3	10630.	1311.	372.4	60.11	68.17	-.0228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-24-a@4 Acquired: 8/23/2016 19:08:28 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.335**	**-1.832**	**125.9**	**148.3**	**11.82**	**2.479**
Stddev	2.598	2.856	3.2	.8	.26	.053
%RSD	48.69	155.9	2.526	.5084	2.210	2.133
#1	-4.951	1.461	122.6	149.1	12.07	2.444
#2	-2.951	-3.323	126.3	147.6	11.82	2.453
#3	-8.104	-3.633	128.9	148.2	11.55	2.540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.909**	**35.62**	**1833.**	**1854.**
Stddev	.523	1.25	30.	54.
%RSD	7.564	3.506	1.635	2.931
#1	6.363	34.18	1801.	1824.
#2	7.404	36.47	1839.	1821.
#3	6.961	36.20	1860.	1916.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5207.9**	**32013.**	**4980.4**
Stddev	19.6	155.	101.8
%RSD	.37549	.48421	2.0444
#1	5205.6	32163.	5096.3
#2	5228.5	32022.	4905.5
#3	5189.6	31854.	4939.4

Sample Name: 460-118997-a-6-a@4 Acquired: 8/23/2016 19:12:21 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35210.**	**27.56**	**7.845**	**274.2**	**1.401**	**137100.**
Stddev	649.	.29	.197	.5	.122	2363.
%RSD	1.844	1.047	2.510	.1654	8.703	1.723
#1	34470.	27.22	7.622	274.7	1.299	139500.
#2	35670.	27.75	7.996	273.8	1.536	134700.
#3	35500.	27.70	7.916	273.9	1.368	137200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.349**	**29.40**	**288.0**	**281.4**	**73340.**	**8772.**
Stddev	.190	.23	2.0	7.2	771.	155.
%RSD	4.370	.7660	.6898	2.568	1.052	1.769
#1	4.417	29.16	290.0	273.5	74110.	8599.
#2	4.496	29.43	286.1	287.7	72570.	8901.
#3	4.135	29.61	287.9	282.9	73350.	8815.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25070.**	**1563.**	**19030.**	**123.2**	**317.8**	**-1.276**
Stddev	193.	14.	390.	1.2	3.9	.638
%RSD	.7715	.8877	2.048	.9832	1.239	49.98
#1	25260.	1578.	18580.	122.3	313.5	-.5414
#2	24870.	1550.	19240.	122.7	318.6	-1.600
#3	25070.	1563.	19270.	124.5	321.2	-1.687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118997-a-6-a@4 Acquired: 8/23/2016 19:12:21 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4340**	**-4.347**	**113.3**	**706.8**	**81.35**	**3.307**
Stddev	2.204	.128	1.0	10.1	.40	.294
%RSD	507.8	2.936	.9177	1.425	.4910	8.879
#1	1.547	-4.302	114.0	696.1	80.95	2.968
#2	1.860	-4.491	112.1	708.2	81.35	3.467
#3	-2.105	-4.247	113.8	716.1	81.75	3.486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**62.88**	**827.4**	**689.8**	**4414.**
Stddev	1.51	16.0	3.1	20.
%RSD	2.400	1.937	.4485	.4528
#1	61.45	809.0	686.3	4435.
#2	64.46	838.3	690.7	4396.
#3	62.75	834.9	692.3	4411.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4938.7**	**30584.**	**4908.7**
Stddev	39.0	459.	8.9
%RSD	.78878	1.4994	.18226
#1	4894.3	30081.	4905.7
#2	4954.4	30692.	4901.7
#3	4967.4	30979.	4918.8

Sample Name: 460-118997-a-12-a@4 Acquired: 8/23/2016 19:16:13 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32430.**	**25.58**	**8.132**	**258.7**	**1.403**	**117800.**
Stddev	83.	2.05	.658	.6	.067	1059.
%RSD	.2545	8.028	8.093	.2202	4.774	.8991
#1	32510.	27.84	8.546	258.2	1.350	118900.
#2	32350.	23.83	7.373	259.3	1.380	116800.
#3	32440.	25.07	8.478	258.6	1.478	117500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.503**	**27.93**	**278.2**	**288.3**	**69630.**	**8000.**
Stddev	.302	.17	2.1	1.7	393.	50.
%RSD	6.715	.6242	.7444	.5812	.5647	.6225
#1	4.292	27.86	280.5	287.5	70060.	8050.
#2	4.849	28.13	276.6	290.3	69290.	8000.
#3	4.367	27.81	277.5	287.3	69540.	7950.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23000.**	**1473.**	**18740.**	**116.9**	**328.1**	**-1.061**
Stddev	104.	7.	49.	1.1	4.5	1.725
%RSD	.4536	.4695	.2626	.9121	1.377	162.6
#1	23110.	1480.	18750.	116.5	324.5	-3.034
#2	22900.	1467.	18790.	116.0	326.5	.1579
#3	22990.	1473.	18690.	118.1	333.1	-.3057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118997-a-12-a@4 Acquired: 8/23/2016 19:16:13 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8755**	**-4.571**	**104.5**	**680.2**	**70.05**	**3.006**
Stddev	3.525	2.516	.8	6.6	.41	.348
%RSD	402.7	55.04	.7507	.9641	.5858	11.59
#1	2.658	-3.151	105.0	675.0	69.83	3.194
#2	-4.392	-7.476	104.8	678.1	69.80	3.221
#3	-.8923	-3.086	103.6	687.6	70.52	2.604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**62.24**	**728.5**	**613.7**	**3169.**
Stddev	.44	2.0	5.2	62.
%RSD	.7117	.2692	.8530	1.972
#1	62.27	726.8	619.1	3161.
#2	62.67	728.1	613.4	3235.
#3	61.78	730.7	608.7	3111.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4899.8**	**30673.**	**4838.7**
Stddev	20.7	201.	98.8
%RSD	.42330	.65610	2.0424
#1	4884.6	30441.	4724.6
#2	4891.3	30777.	4892.9
#3	4923.4	30801.	4898.5

Sample Name: sd 460-117934-a-38-b Acquired: 8/23/2016 19:20:05 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7199.**	**-.3020**	**1.232**	**25.90**	**.0479**	**85.35**
Stddev	17.	2.073	.121	.22	.1996	3.12
%RSD	.2318	686.4	9.826	.8525	417.0	3.652
#1	7199.	-1.883	1.301	25.69	.2687	85.79
#2	7182.	-1.068	1.304	26.13	-.1197	82.03
#3	7216.	2.045	1.093	25.87	-.0054	88.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0794**	**1.379**	**11.16**	**19.20**	**9161.**	**376.9**
Stddev	.0363	.232	.97	.13	137.	56.1
%RSD	45.76	16.83	8.667	.6963	1.498	14.88
#1	.0694	1.126	10.23	19.34	9005.	382.4
#2	.1196	1.430	11.07	19.07	9212.	318.3
#3	.0491	1.582	12.16	19.20	9265.	430.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**465.4**	**38.12**	**36.60**	**5.365**	**336.9**	**.4921**
Stddev	10.7	.61	3.94	.222	.1	1.689
%RSD	2.293	1.604	10.77	4.129	.0326	343.3
#1	453.2	37.46	38.39	5.153	336.9	-1.261
#2	472.6	38.21	39.34	5.346	336.8	.6286
#3	470.6	38.67	32.08	5.595	337.0	2.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-117934-a-38-b Acquired: 8/23/2016 19:20:05 Type: Unk
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2886**	**1.336**	**11.91**	**25.27**	**2.133**	**.2843**
Stddev	.5698	2.748	.58	.25	.279	.0935
%RSD	197.4	205.7	4.888	.9958	13.06	32.88
#1	.3467	-1.796	11.95	24.99	2.358	.2018
#2	-.7544	3.341	12.47	25.48	1.822	.2651
#3	-.4579	2.464	11.31	25.32	2.220	.3858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.189**	**1.453**	**104.5**	**551.3**
Stddev	1.406	.050	1.4	4.4
%RSD	64.25	3.429	1.320	.7922
#1	3.541	1.503	102.9	550.0
#2	2.292	1.453	104.8	547.8
#3	.7340	1.403	105.6	556.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5147.9**	**31198.**	**4586.8**
Stddev	13.2	386.	90.6
%RSD	.25675	1.2364	1.9763
#1	5162.9	31614.	4668.0
#2	5137.9	31129.	4603.5
#3	5143.0	30852.	4489.0

Sample Name: CCV Acquired: 8/23/2016 19:24:05 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**118400.**	**2589.**	**1205.**	**10040.**	**979.5**	**119600.**
Stddev	1400.	11.	9.	32.	11.6	1014.
%RSD	1.183	.4435	.7241	.3139	1.184	.8480
#1	116800.	2576.	1195.	10010.	967.1	118500.
#2	119400.	2596.	1212.	10070.	990.1	119800.
#3	119100.	2594.	1207.	10030.	981.2	120500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1244.**	**2554.**	**4936.**	**11940.**	**97520.**	**47890.**
Stddev	4.	7.	39.	61.	845.	539.
%RSD	.3513	.2770	.7829	.5145	.8661	1.126
#1	1239.	2547.	4893.	11880.	96590.	47280.
#2	1248.	2561.	4946.	12000.	97750.	48310.
#3	1245.	2553.	4968.	11940.	98230.	48090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120200.**	**4874.**	**119000.**	**2577.**	**7708.**	**1019.**
Stddev	957.	35.	1052.	9.	25.	5.
%RSD	.7962	.7214	.8841	.3576	.3234	.5113
#1	119100.	4834.	117800.	2570.	7684.	1019.
#2	120600.	4889.	119900.	2588.	7734.	1025.
#3	120900.	4900.	119300.	2574.	7705.	1014.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/23/2016 19:24:05 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2502.**	**2501.**	**2451.**	**2567.**	**1032.**	**2408.**
Stddev	9.	18.	18.	21.	4.	5.
%RSD	.3606	.7172	.7374	.8095	.3759	.2139
#1	2507.	2485.	2431.	2543.	1030.	2405.
#2	2507.	2520.	2459.	2574.	1036.	2414.
#3	2492.	2496.	2464.	2583.	1029.	2404.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1013.**	**4960.**	**9770.**	**9733.**
Stddev	4.	46.	58.	80.
%RSD	.3544	.9204	.5946	.8192
#1	1008.	4914.	9705.	9746.
#2	1014.	5005.	9816.	9806.
#3	1015.	4962.	9791.	9648.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4740.3**	**28388.**	**4395.2**
Stddev	8.4	240.	61.7
%RSD	.17632	.84626	1.4038
#1	4741.2	28658.	4466.4
#2	4731.5	28305.	4362.3
#3	4748.2	28200.	4357.0

Sample Name: CCB Acquired: 8/23/2016 19:27:40 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.104**	**-2.240**	**.5580**	**.0444**	**-.1582**	**9.201**
Stddev	7.266	1.249	.1548	.1202	.1083	6.605
%RSD	142.4	55.75	27.74	270.6	68.42	71.79
#1	-3.021	-2.190	.7349	-.0943	-.1208	14.80
#2	10.98	-3.513	.4473	.1103	-.2803	1.917
#3	7.353	-1.017	.4918	.1173	-.0737	10.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0813**	**.0975**	**.2858**	**1.148**	**8.106**	**34.60**
Stddev	.0666	.0563	.5774	.320	14.46	44.18
%RSD	81.91	57.70	202.1	27.84	178.4	127.7
#1	.0331	.0925	.2423	.8082	24.79	35.05
#2	.0536	.0440	.8837	1.194	.4417	78.55
#3	.1573	.1562	-.2687	1.443	-.9131	-9.808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.519**	**-.0166**	**43.91**	**-.0675**	**1.248**	**-.1274**
Stddev	6.989	.0467	9.66	.2727	.987	1.293
%RSD	198.6	281.3	22.00	403.7	79.05	1015.
#1	-.0180	.0176	45.41	-.3767	2.130	1.295
#2	1.028	.0025	52.72	.0353	1.432	-.4465
#3	-11.57	-.0698	33.58	.1388	.1825	-1.231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/23/2016 19:27:40 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.857**	**-1.724**	**.2277**	**.2844**	**2.128**	**.4545**
Stddev	3.268	.528	.2417	.0427	.118	.7202
%RSD	175.9	30.62	106.2	15.02	5.543	158.5
#1	1.964	-1.488	.0713	.3308	2.257	.9371
#2	5.071	-1.355	.5061	.2759	2.026	.7997
#3	-1.462	-2.329	.1056	.2466	2.100	-.3734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.392**	**.0882**	**.2018**	**7.065**
Stddev	.900	.0822	.0219	8.032
%RSD	64.67	93.18	10.88	113.7
#1	-.5627	.1767	.1920	14.61
#2	-2.349	.0142	.1864	-1.379
#3	-1.263	.0737	.2269	7.965
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5079.7**	**30475.**	**4364.2**
Stddev	30.0	371.	33.9
%RSD	.59147	1.2177	.77660
#1	5112.2	30863.	4377.8
#2	5074.1	30439.	4389.1
#3	5052.9	30124.	4325.6

Sample Name: CCVL Acquired: 8/23/2016 19:31:41 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**180.2**	**11.38**	**9.643**	**195.4**	**1.802**	**4586.**
Stddev	7.7	1.94	.239	.4	.170	42.
%RSD	4.271	17.05	2.484	.2302	9.422	.9209
#1	187.4	9.987	9.914	195.9	1.814	4537.
#2	180.9	10.56	9.460	195.2	1.626	4608.
#3	172.1	13.60	9.554	195.0	1.965	4613.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.770**	**50.00**	**9.972**	**23.09**	**176.9**	**4301.**
Stddev	.039	.32	.460	.46	5.9	29.
%RSD	1.024	.6405	4.614	2.004	3.320	.6652
#1	3.811	49.83	9.537	22.64	171.4	4334.
#2	3.734	49.81	10.45	23.06	176.3	4286.
#3	3.767	50.37	9.926	23.56	183.1	4283.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

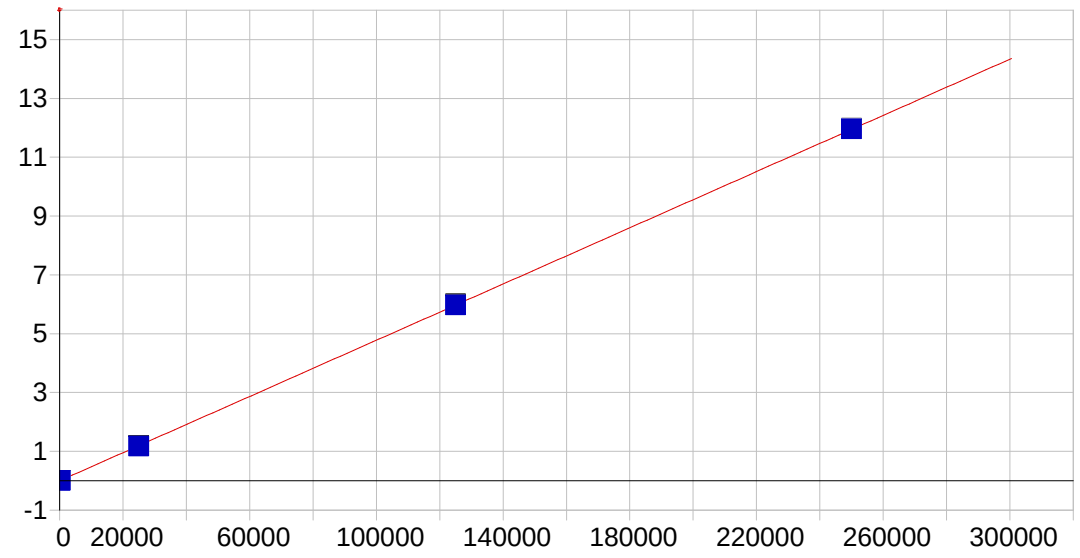
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4576.**	**14.54**	**4196.**	**40.94**	**12.41**	**17.45**
Stddev	62.	.15	24.	.22	1.39	.86
%RSD	1.360	1.028	.5683	.5392	11.23	4.924
#1	4506.	14.37	4220.	40.68	13.98	17.73
#2	4596.	14.62	4172.	41.04	11.31	16.48
#3	4626.	14.63	4195.	41.09	11.94	18.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/23/2016 19:31:41 Type: QC
Method: BC08232016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.27**	**20.88**	**46.69**	**32.61**	**48.51**	**18.07**
Stddev	2.62	3.19	.75	.55	.46	.37
%RSD	13.60	15.28	1.597	1.682	.9583	2.062
#1	21.70	24.54	47.53	31.98	48.13	17.86
#2	19.62	18.70	46.12	32.99	48.37	17.85
#3	16.50	19.40	46.41	32.86	49.03	18.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.24**	**18.85**	**19.39**	F **15.77**
Stddev	1.12	.21	.17	10.99
%RSD	2.330	1.110	.8545	69.65
#1	49.05	19.08	19.29	19.30
#2	46.96	18.80	19.29	3.457
#3	48.71	18.67	19.58	24.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5101.9**	**30399.**	**4452.2**
Stddev	9.5	33.	75.5
%RSD	.18714	.10719	1.6959
#1	5094.3	30430.	4377.7
#2	5112.6	30402.	4528.6
#3	5098.7	30365.	4450.4

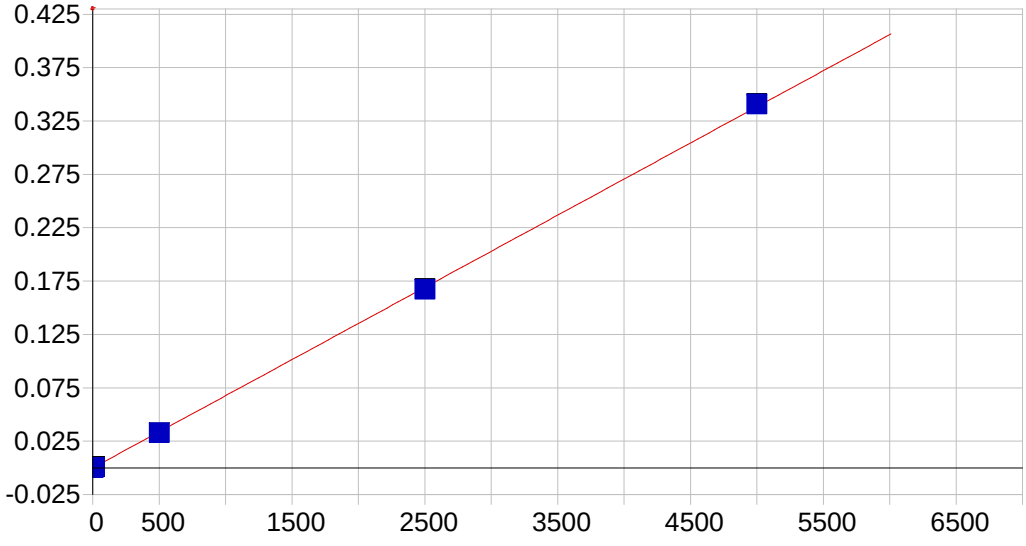


Al 396.152 { 85}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000283	Re-Slope:	1.000000
A1 (Gain):	0.000048	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000063		
Predicted MDL:	12.288338		
Predicted MQL:	40.961127		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00599	-.006	.000	-.00028	.000	1
CAL2	200.00	208.38	8.38	4.19	.00971	.000	1
CAL3	25000.	24672.	-328.	-1.31	1.1795	.004	1
CAL4	125000.	124970.	-32.0	-.026	5.9757	.030	1
CAL5	250000.	250350.	352.	.141	11.971	.008	1

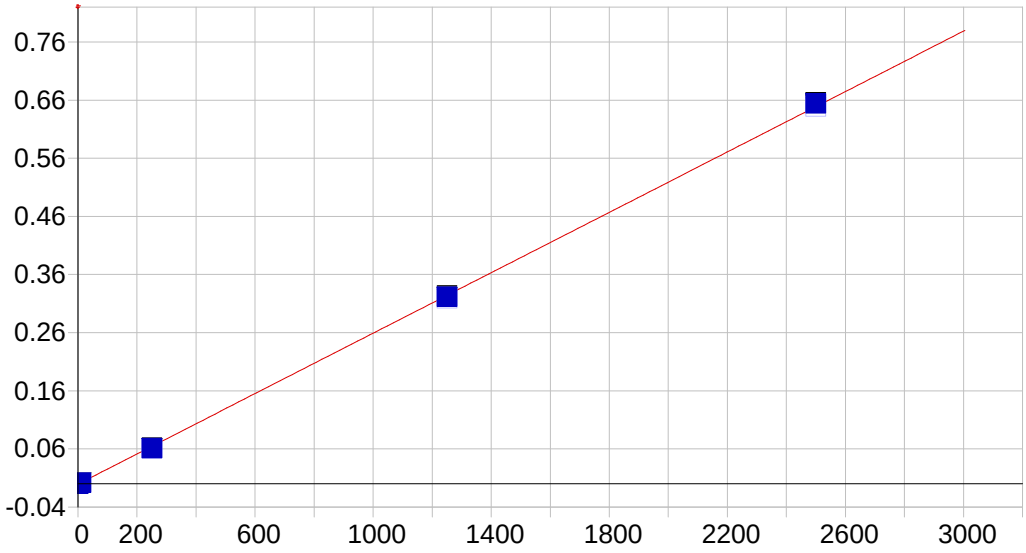


As 189.042 {478}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000089	Re-Slope:	1.000000
A1 (Gain):	0.000068	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999937	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	1.715295		
Predicted MQL:	5.717650		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00122	.001	.000	-.00009	.000	1
CAL2	15.000	14.640	-.360	-2.40	.00090	.000	1
CAL3	500.00	488.45	-11.6	-2.31	.03292	.000	1
CAL4	2500.0	2475.0	-25.0	-1.00	.16717	.000	1
CAL5	5000.0	5037.9	37.9	.758	.34039	.001	1
CAL1	5.0000	4.0311	-.969	-19.4	.00018	.000	1

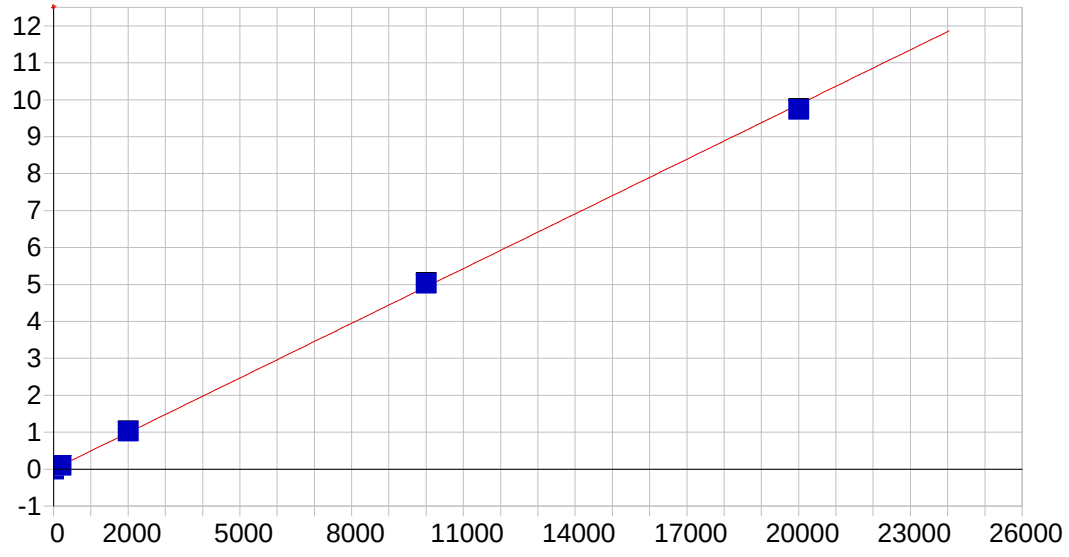


Ag 328.068 {103}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000522	Re-Slope:	1.000000
A1 (Gain):	0.000260	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999894	Status:	OK.
Std Error of Est:	0.000031		
Predicted MDL:	0.618484		
Predicted MQL:	2.061613		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00119	.001	.000	-.00052	.000	1
CAL2	10.000	9.2672	-.733	-7.33	.00186	.000	1
CAL3	250.00	238.24	-11.8	-4.70	.06080	.000	1
CAL4	1250.0	1241.6	-8.40	-.672	.31919	.001	1
CAL5	2500.0	2520.9	20.9	.836	.64870	.002	1

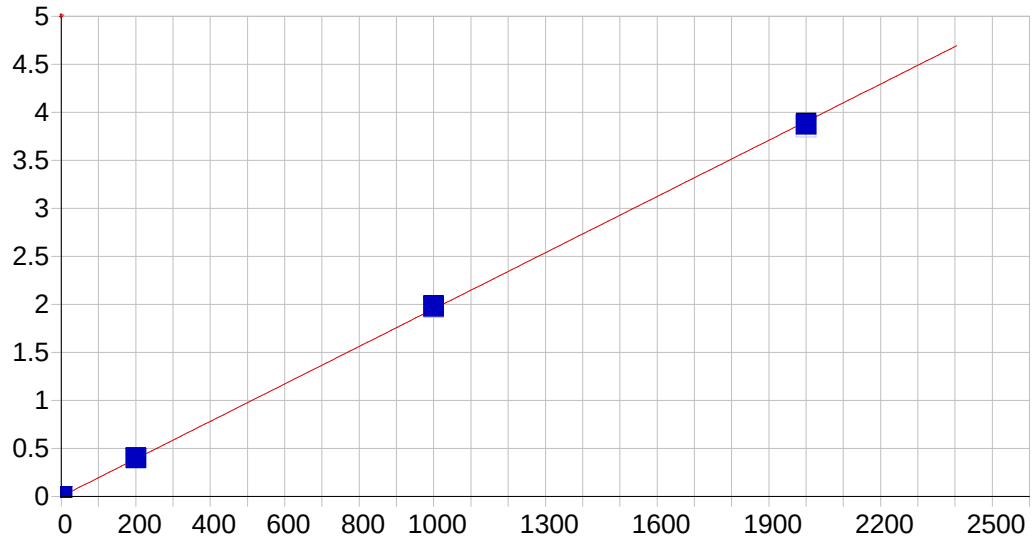


Ba 233.527 {445}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000028	Re-Slope:	1.000000
A1 (Gain):	0.000494	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999836	Status:	OK.
Std Error of Est:	0.000924		
Predicted MDL:	0.237052		
Predicted MQL:	0.790173		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01944	-.019	.000	.00002	.000	1
CAL2	200.00	211.08	11.1	5.54	.10417	.000	1
CAL3	2000.0	2073.3	73.3	3.66	1.0229	.002	1
CAL4	10000.	10188.	188.	1.88	5.0261	.020	1
CAL5	20000.	19728.	-272.	-1.36	9.7325	.018	1



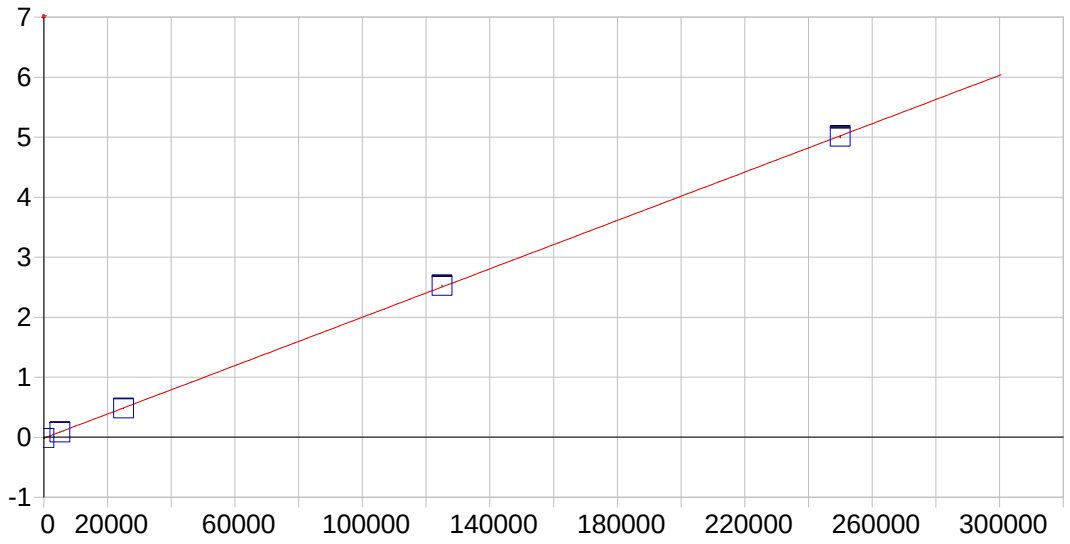
Be 313.042 {108}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000887	Re-Slope:	1.000000

A1 (Gain):	0.001952	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999941	Status:	OK.
Std Error of Est:	0.000068		
Predicted MDL:	0.183712		
Predicted MQL:	0.612375		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00000	-.000	.000	.00089	.000	1
CAL2	2.0000	1.9567	-.043	-2.16	.00468	.000	1
CAL3	200.00	203.95	3.95	1.98	.39607	.001	1
CAL4	1000.0	1012.5	12.5	1.25	1.9626	.009	1
CAL5	2000.0	1983.6	-16.4	-.820	3.8435	.013	1

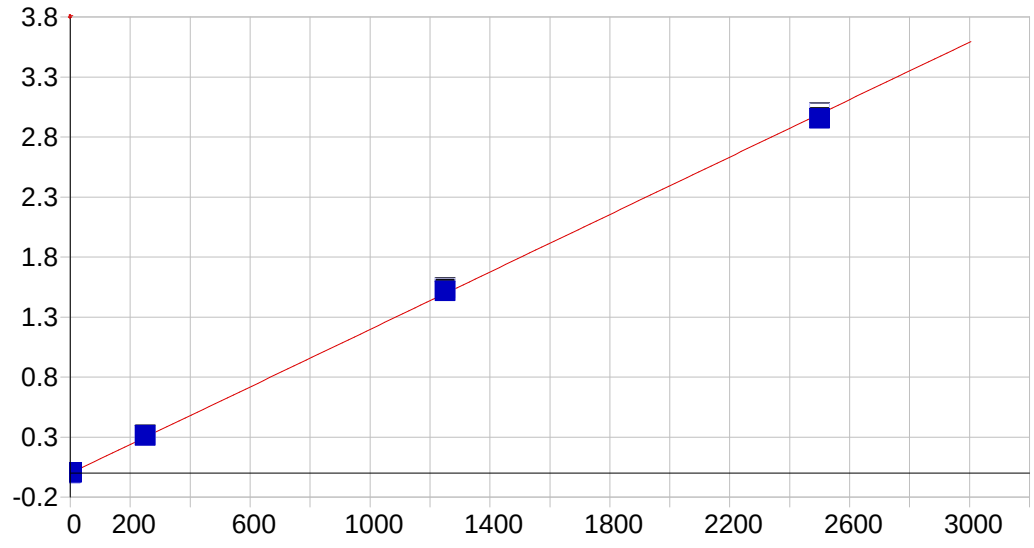


Ca 318.128 {106}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.015292	Re-Slope:	1.000000
A1 (Gain):	0.000020	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000219		
Predicted MDL:	12.582441		
Predicted MQL:	41.941471		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.05018	.050	.000	-.01529	.000	1
CAL2	5000.0	4992.9	-7.09	-.142	.08531	.000	1
CAL3	25000.	24650.	-350.	-1.40	.48140	.003	1
CAL4	125000.	125980.	985.	.788	2.5232	.011	1
CAL5	250000.	249370.	-628.	-.251	5.0094	.018	1

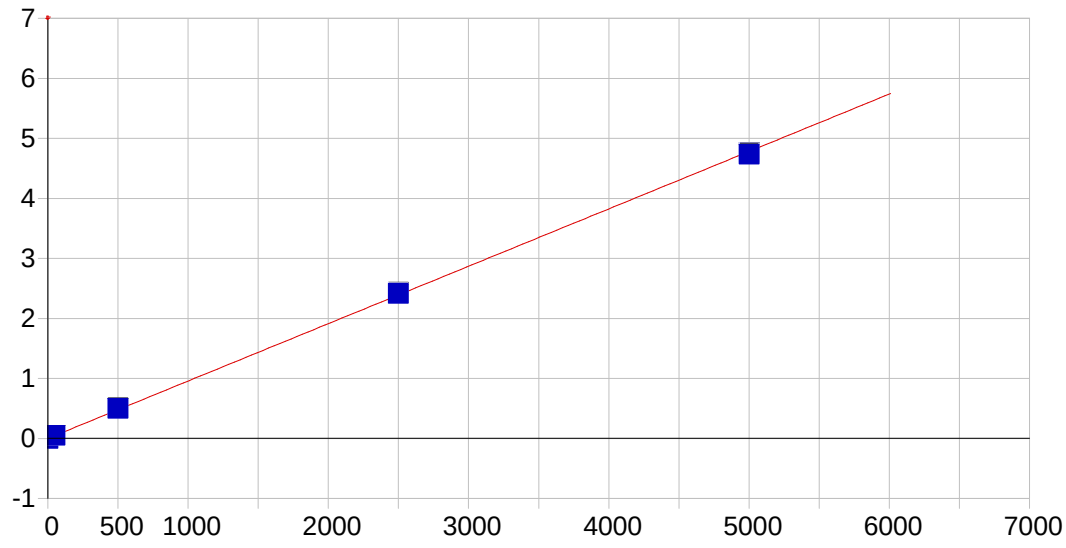


Cd 226.502 {449}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000404	Re-Slope:	1.000000
A1 (Gain):	0.001197	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999858	Status:	OK.
Std Error of Est:	0.000106		
Predicted MDL:	0.146130		
Predicted MQL:	0.487098		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00047	-.000	.000	-.00040	.000	1
CAL2	4.0000	4.2819	.282	7.05	.00475	.000	1
CAL3	250.00	261.36	11.4	4.54	.31686	.001	1
CAL4	1250.0	1268.5	18.5	1.48	1.5401	.007	1
CAL5	2500.0	2469.9	-30.1	-1.20	3.0003	.003	1



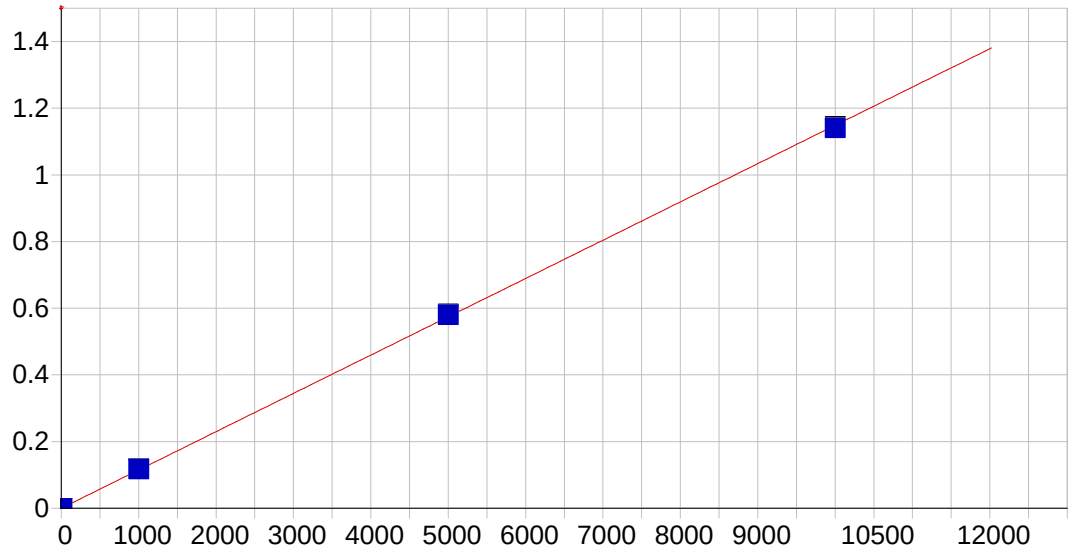
Co 228.616 {447}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000038	Re-Slope:	1.000000

A1 (Gain):	0.000956	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999886	Status:	OK.
Std Error of Est:	0.000375		
Predicted MDL:	0.222119		
Predicted MQL:	0.740396		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00459	-.005	.000	-.00004	.000	1
CAL2	50.000	52.352	2.35	4.70	.05003	.000	1
CAL3	500.00	522.32	22.3	4.46	.50221	.002	1
CAL4	2500.0	2525.0	25.0	.998	2.4283	.008	1
CAL5	5000.0	4950.4	-49.6	-.992	4.7616	.006	1

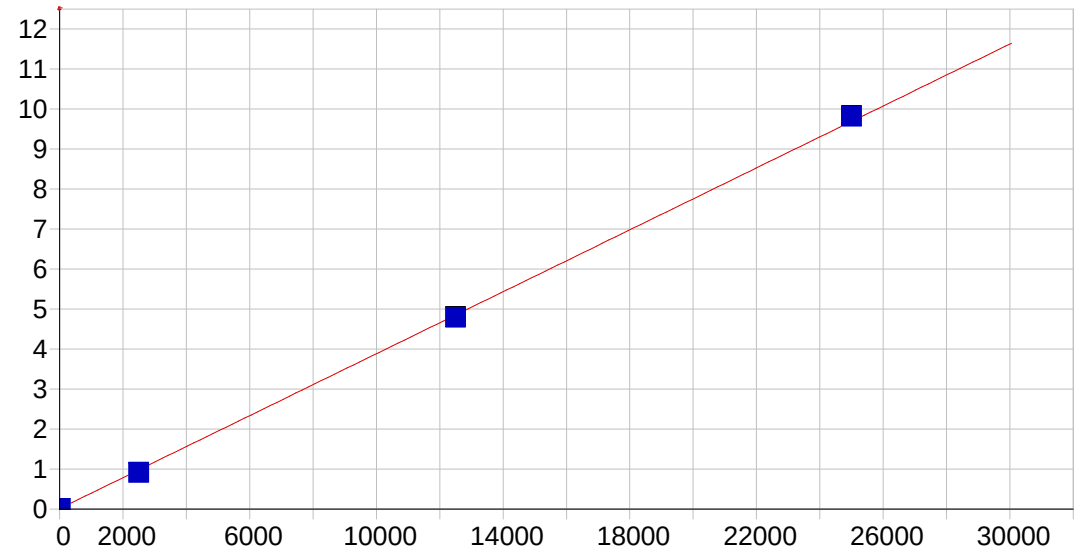


Cr 267.716 {126}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000063	Re-Slope:	1.000000
A1 (Gain):	0.000115	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999953	Status:	OK.
Std Error of Est:	0.000018		
Predicted MDL:	0.847451		
Predicted MQL:	2.824838		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00052	-.001	.000	.00006	.000	1
CAL2	10.000	10.264	.264	2.64	.00125	.000	1
CAL3	1000.0	1023.6	23.6	2.36	.11764	.001	1
CAL4	5000.0	5047.0	47.0	.940	.57981	.003	1
CAL5	10000.	9929.2	-70.8	-.708	1.1406	.004	1

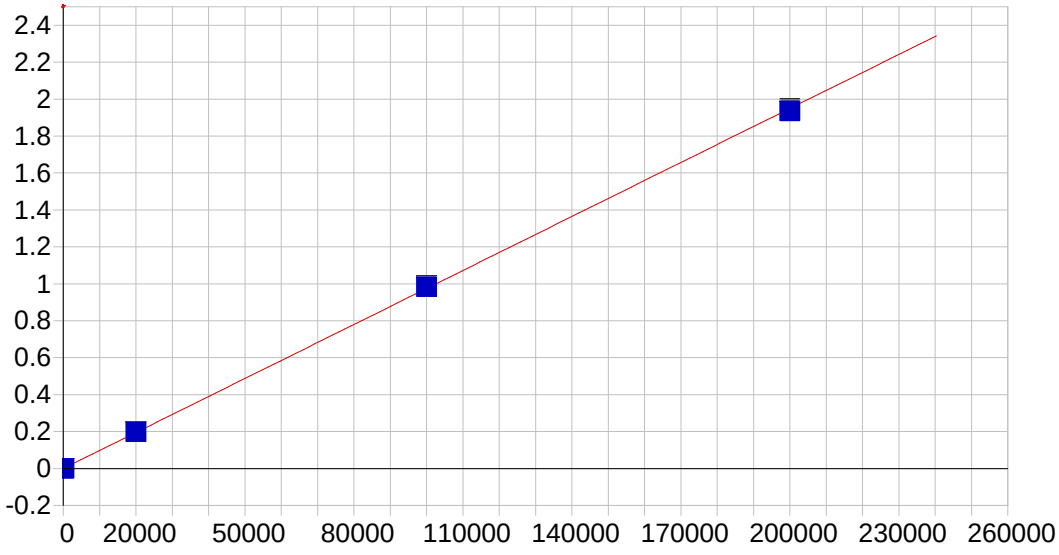


Cu 324.754 {104}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.013451	Re-Slope:	1.000000
A1 (Gain):	0.000387	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999769	Status:	OK.
Std Error of Est:	0.000340		
Predicted MDL:	0.438202		
Predicted MQL:	1.460673		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00325	.003	.000	.01345	.000	1
CAL2	25.000	23.461	-1.54	-6.16	.02252	.000	1
CAL3	2500.0	2327.7	-172.	-6.89	.91391	.002	1
CAL4	12500.	12340.	-160.	-1.28	4.7874	.016	1
CAL5	25000.	25334.	334.	1.34	9.8145	.016	1



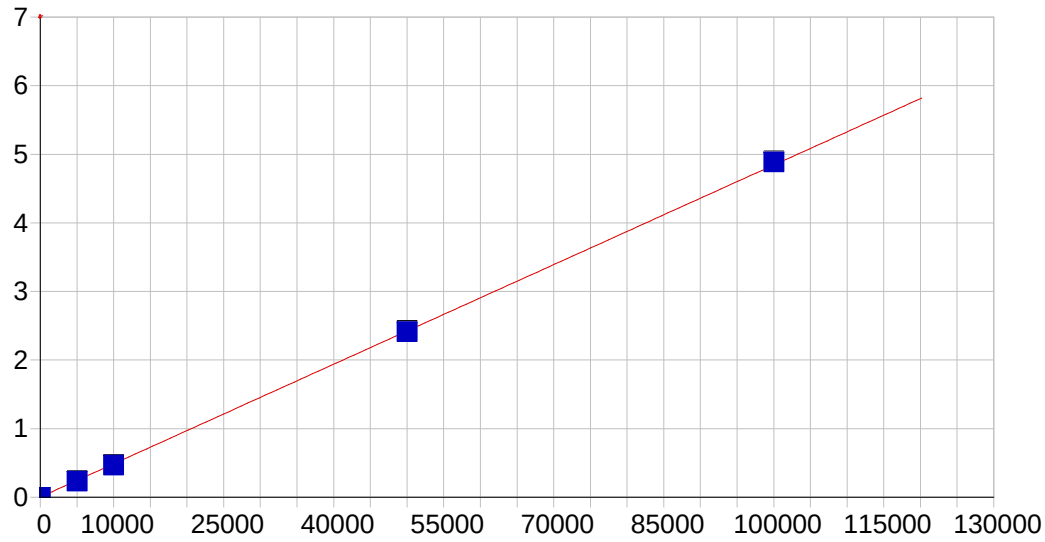
Fe 271.441 {124}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000004	Re-Slope:	1.000000

A1 (Gain):	0.000010	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.000026		
Predicted MDL:	12.559949		
Predicted MQL:	41.866496		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02230	-.022	.000	-.00000	.000	1
CAL2	150.00	169.12	19.1	12.7	.00169	.000	1
CAL3	20000.	20365.	365.	1.82	.19900	.001	1
CAL4	100000.	100970.	974.	.974	.98671	.004	1
CAL5	200000.	198640.	-1360.	-.679	1.9412	.006	1

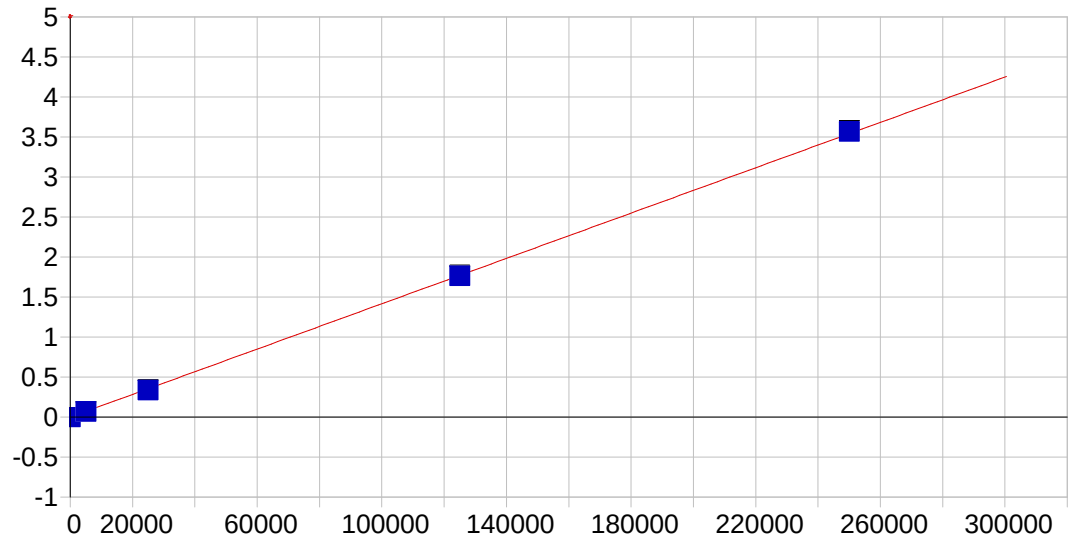


K 766.490 { 44}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003468	Re-Slope:	1.000000
A1 (Gain):	0.000048	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999879	Status:	OK.
Std Error of Est:	0.000881		
Predicted MDL:	37.154320		
Predicted MQL:	123.847734		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.43846	.438	.000	.00349	.001	1
CAL2	5000.0	4751.7	-248.	-4.97	.23344	.001	1
CAL3	10000.	9576.7	-423.	-4.23	.46714	.002	1
CAL4	50000.	49758.	-242.	-.484	2.4125	.012	1
CAL5	100000.	100910.	913.	.913	4.8892	.009	1

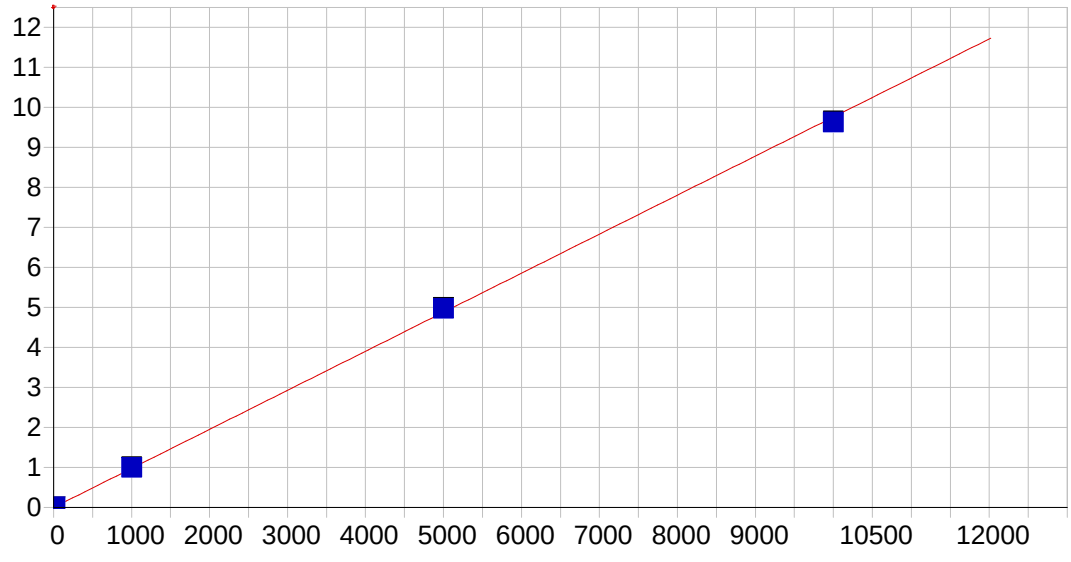


Mg 279.079 {121}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000005	Re-Slope:	1.000000
A1 (Gain):	0.000014	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999879	Status:	OK.
Std Error of Est:	0.000404		
Predicted MDL:	7.203199		
Predicted MQL:	24.010664		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.53890	.539	.000	.00000	.000	1
CAL2	5000.0	4683.8	-316.	-6.32	.06633	.000	1
CAL3	25000.	23780.	-1220.	-4.88	.33653	.002	1
CAL4	125000.	124520.	-476.	-.381	1.7623	.008	1
CAL5	250000.	252010.	2010.	.805	3.5666	.012	1



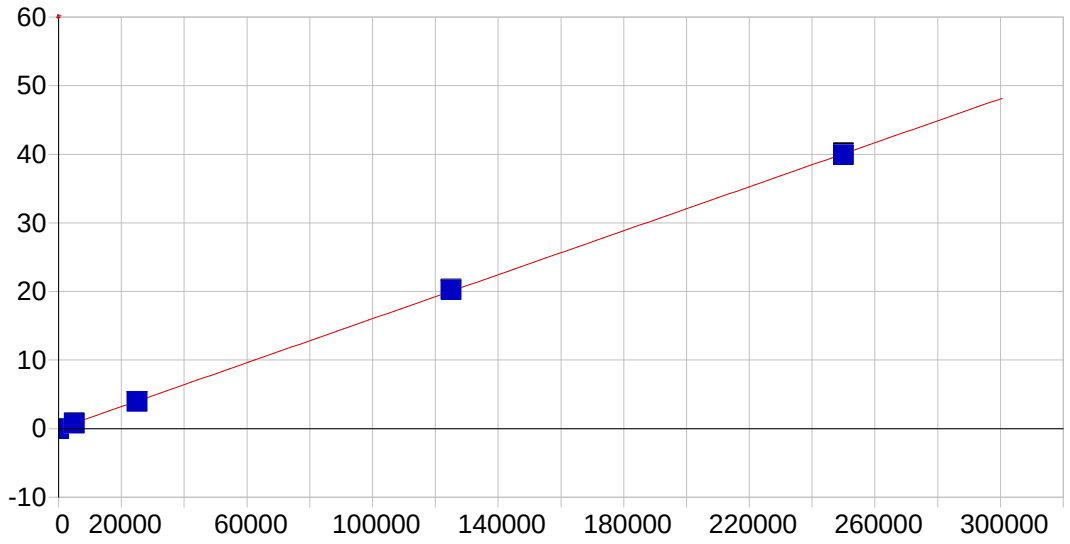
Mn 257.610 {131}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000157	Re-Slope:	1.000000

A1 (Gain):	0.000976	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999859	Status:	OK.
Std Error of Est:	0.000328		
Predicted MDL:	0.103368		
Predicted MQL:	0.344560		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00137	-.001	.000	.00016	.000	1
CAL2	15.000	15.848	.848	5.65	.01562	.000	1
CAL3	1000.0	1027.8	27.8	2.78	1.0018	.005	1
CAL4	5000.0	5100.5	100.	2.01	4.9706	.021	1
CAL5	10000.	9870.9	-129.	-1.29	9.6190	.022	1

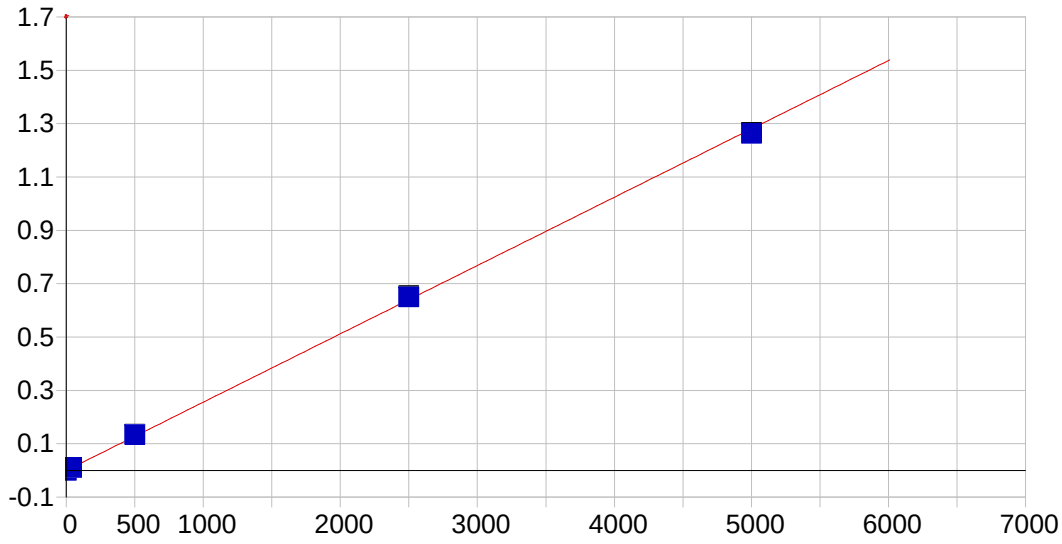


Na 589.592 { 57}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002622	Re-Slope:	1.000000
A1 (Gain):	0.000160	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999972	Status:	OK.
Std Error of Est:	0.002203		
Predicted MDL:	12.169374		
Predicted MQL:	40.564580		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.10102	.101	.000	-.00261	.002	1
CAL2	5000.0	4948.8	-51.2	-1.02	.79070	.004	1
CAL3	25000.	24578.	-422.	-1.69	3.9387	.011	1
CAL4	125000.	126260.	1260.	1.00	20.243	.070	1
CAL5	250000.	249220.	-782.	-.313	39.961	.215	1

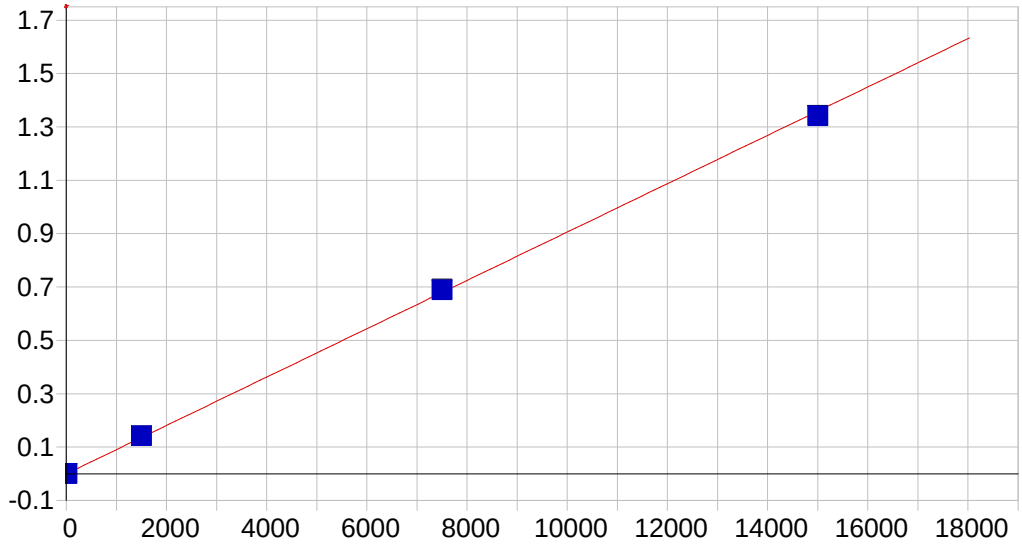


Ni 231.604 {446}

Date of Fit:	8/24/2016 12:10:40	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000208	Re-Slope:	1.000000
A1 (Gain):	0.000256	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999808	Status:	OK.
Std Error of Est:	0.000116		
Predicted MDL:	0.579594		
Predicted MQL:	1.931981		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00479	-.005	.000	-.00021	.000	1
CAL2	40.000	42.601	2.60	6.50	.01070	.000	1
CAL3	500.00	526.35	26.4	5.27	.13460	.001	1
CAL4	2500.0	2538.8	38.8	1.55	.65004	.003	1
CAL5	5000.0	4932.2	-67.8	-1.36	1.2630	.002	1



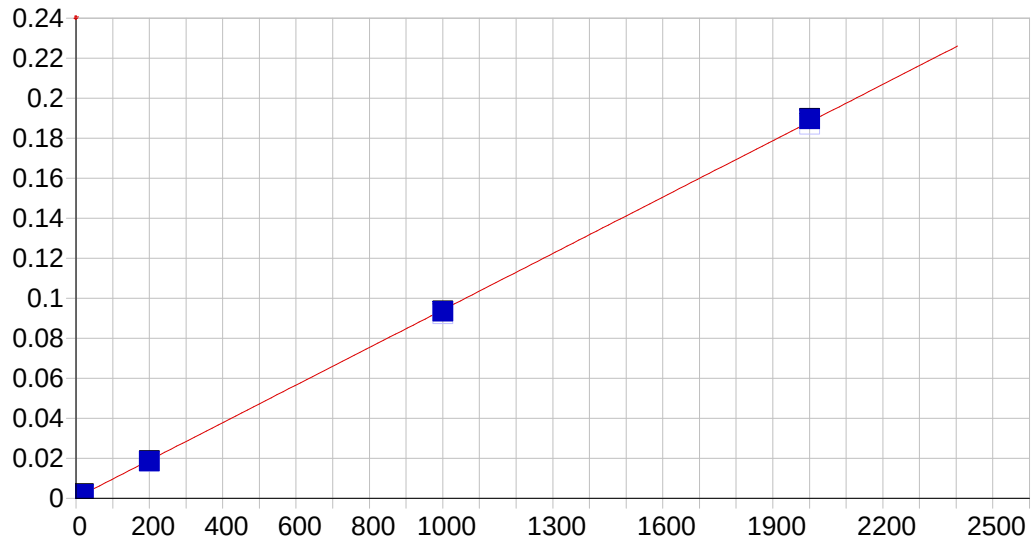
Pb 220.353 {453}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000188	Re-Slope:	1.000000

A1 (Gain):	0.000091	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999800	Status:	OK.
Std Error of Est:	0.000024		
Predicted MDL:	1.755652		
Predicted MQL:	5.852172		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00381	-.004	.000	-.00019	.000	1
CAL2	10.000	12.461	2.46	24.6	.00094	.000	1
CAL3	1500.0	1578.1	78.1	5.21	.14263	.001	1
CAL4	7500.0	7605.0	105.	1.40	.68804	.003	1
CAL5	15000.	14812.	-188.	-1.25	1.3402	.002	1
CAL1	5.0000	7.3108	2.31	46.2	.00047	.000	1

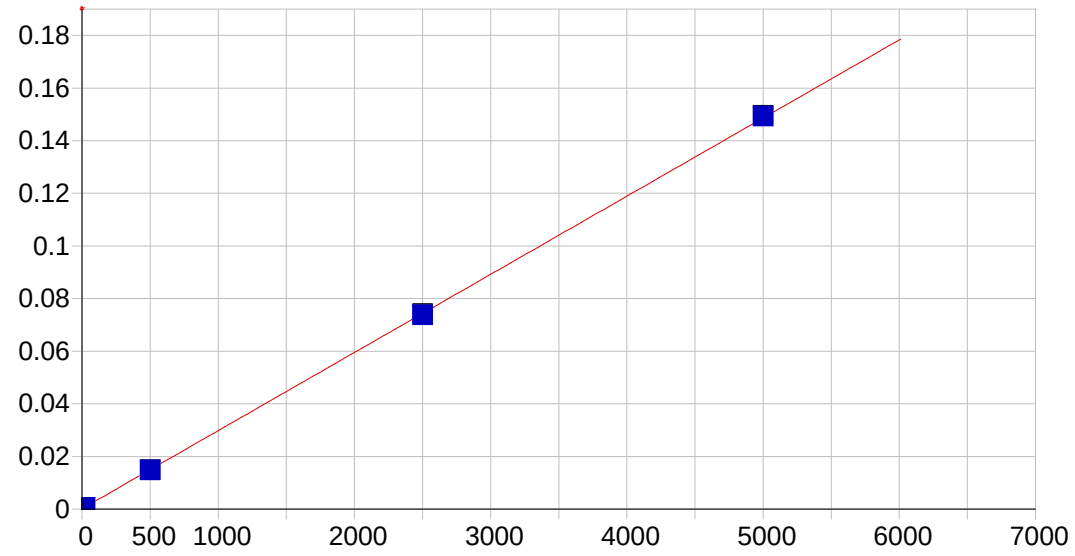


Sb 206.833 {463}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000238	Re-Slope:	1.000000
A1 (Gain):	0.000094	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999888	Status:	OK.
Std Error of Est:	0.000010		
Predicted MDL:	1.523294		
Predicted MQL:	5.077647		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00271	.003	.000	.00024	.000	1
CAL2	20.000	18.864	-1.14	-5.68	.00190	.000	1
CAL3	200.00	195.82	-4.18	-2.09	.01837	.000	1
CAL4	1000.0	992.02	-7.98	-.798	.09212	.000	1
CAL5	2000.0	2015.2	15.2	.760	.18693	.000	1
CAL1	10.000	8.0666	-1.93	-19.3	.00100	.000	1

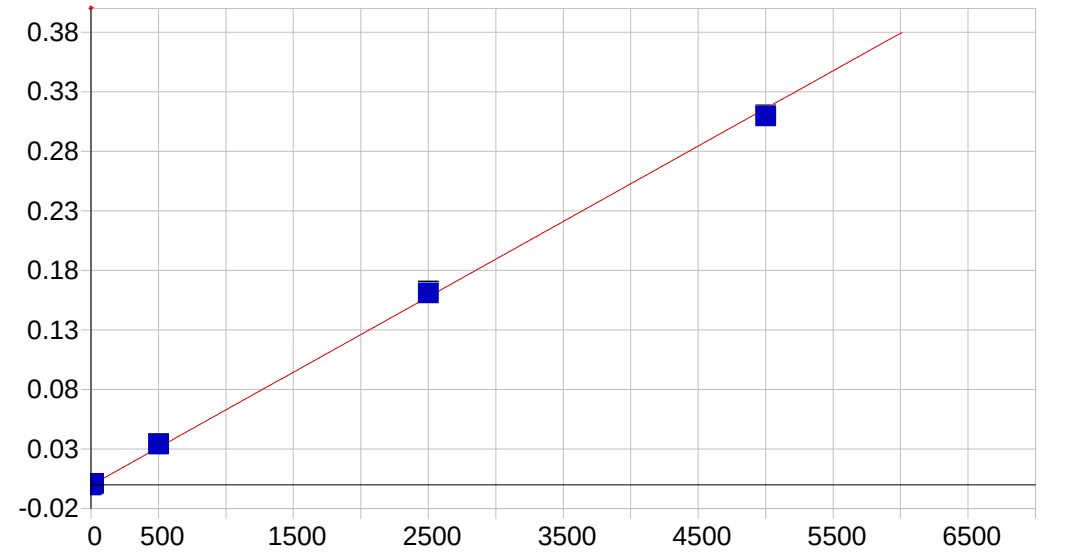


Se 196.090 {472}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000126	Re-Slope:	1.000000
A1 (Gain):	0.000030	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999949	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	3.582729		
Predicted MQL:	11.942431		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00067	-.001	.000	.00013	.000	1
CAL2	20.000	17.920	-2.08	-10.4	.00066	.000	1
CAL3	500.00	495.72	-4.28	-.856	.01481	.000	1
CAL4	2500.0	2481.5	-18.5	-.742	.07365	.000	1
CAL5	5000.0	5023.7	23.7	.473	.14899	.000	1
CAL1	5.0000	6.2436	1.24	24.9	.00031	.000	1

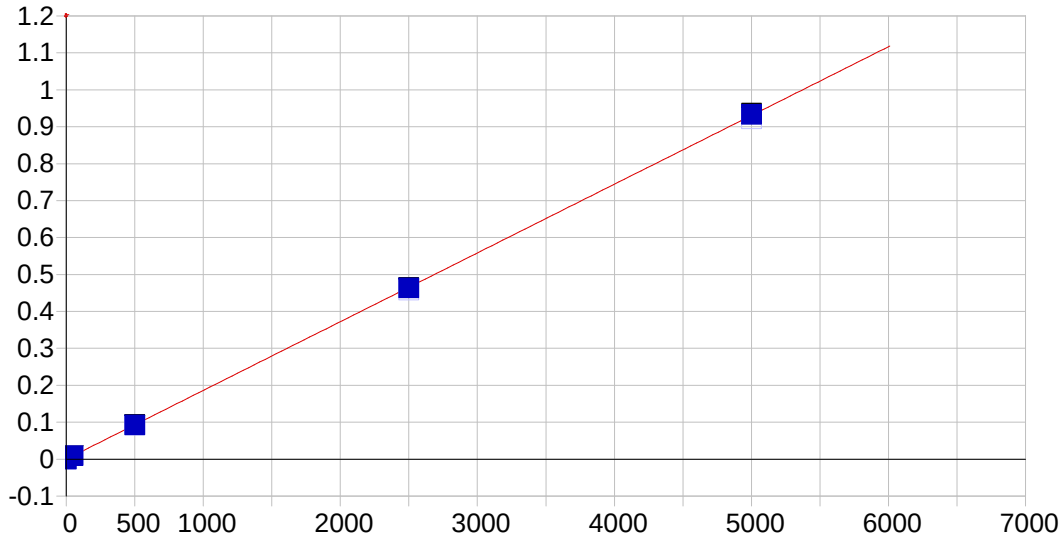


Tl 190.856 {477}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000455	Re-Slope:	1.000000
A1 (Gain):	0.000063	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999494	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	2.175870		
Predicted MQL:	7.252901		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00509	-.005	.000	-.00046	.000	1
CAL2	20.000	24.119	4.12	20.6	.00108	.000	1
CAL3	500.00	543.77	43.8	8.75	.03407	.000	1
CAL4	2500.0	2550.4	50.4	2.02	.16152	.001	1
CAL5	5000.0	4899.5	-100.	-2.01	.31076	.000	1
CAL1	10.000	12.159	2.16	21.6	.00031	.000	1

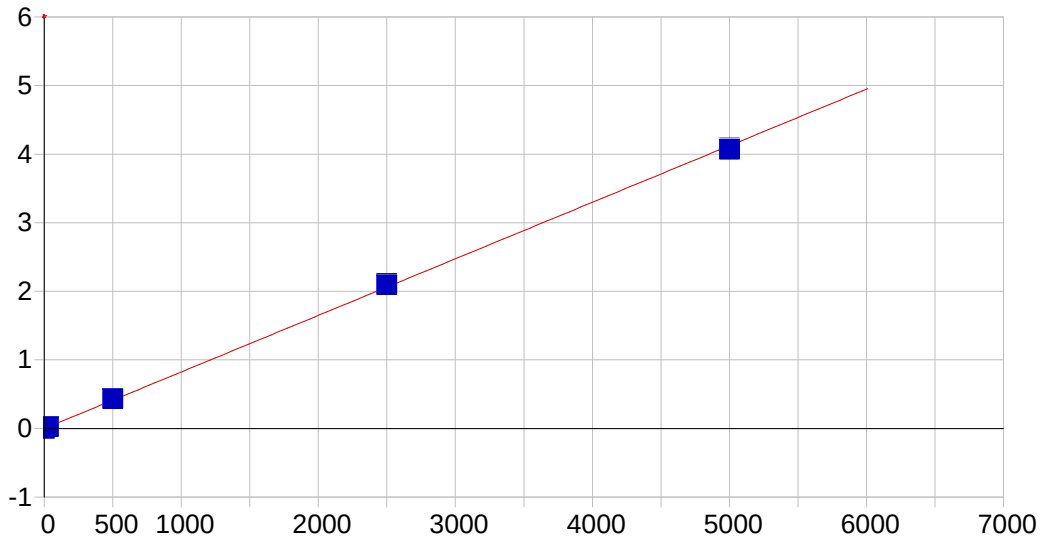


V 292.402 {115}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000041	Re-Slope:	1.000000
A1 (Gain):	0.000186	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999995	Status:	OK.
Std Error of Est:	0.000015		
Predicted MDL:	0.695347		
Predicted MQL:	2.317822		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00027	.000	.000	.00004	.000	1
CAL2	50.000	50.012	.012	.023	.00930	.000	1
CAL3	500.00	498.07	-1.93	-.387	.09156	.000	1
CAL4	2500.0	2489.7	-10.3	-.413	.45752	.001	1
CAL5	5000.0	5012.3	12.3	.245	.92112	.004	1

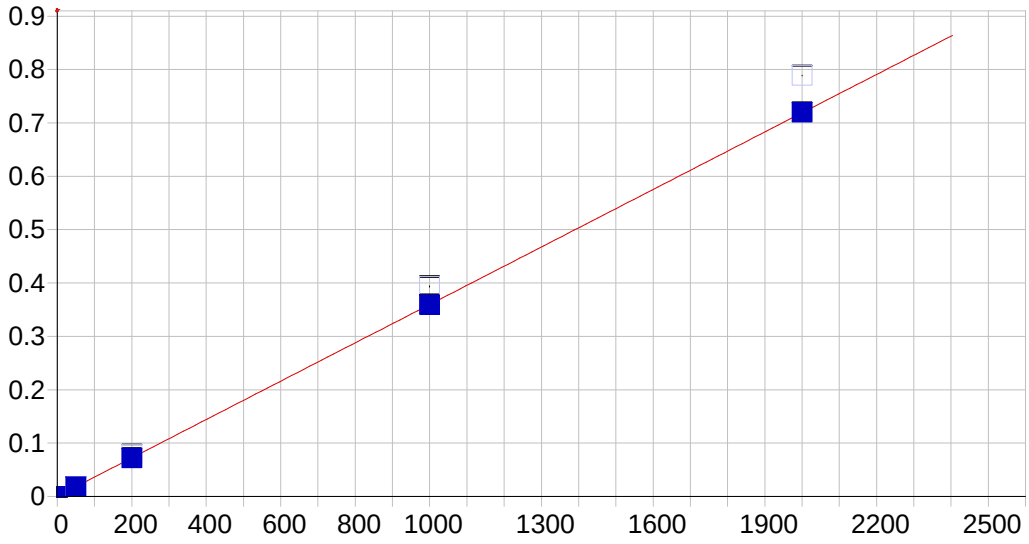


Zn 206.200 {463}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000072	Re-Slope:	1.000000
A1 (Gain):	0.000825	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999797	Status:	OK.
Std Error of Est:	0.000334		
Predicted MDL:	0.182599		
Predicted MQL:	0.608662		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00552	-.006	.000	.00007	.000	1
CAL2	30.000	34.012	4.01	13.4	.02811	.000	1
CAL3	500.00	523.80	23.8	4.76	.43373	.003	1
CAL4	2500.0	2541.0	41.0	1.64	2.1040	.010	1
CAL5	5000.0	4931.2	-68.8	-1.38	4.0837	.002	1



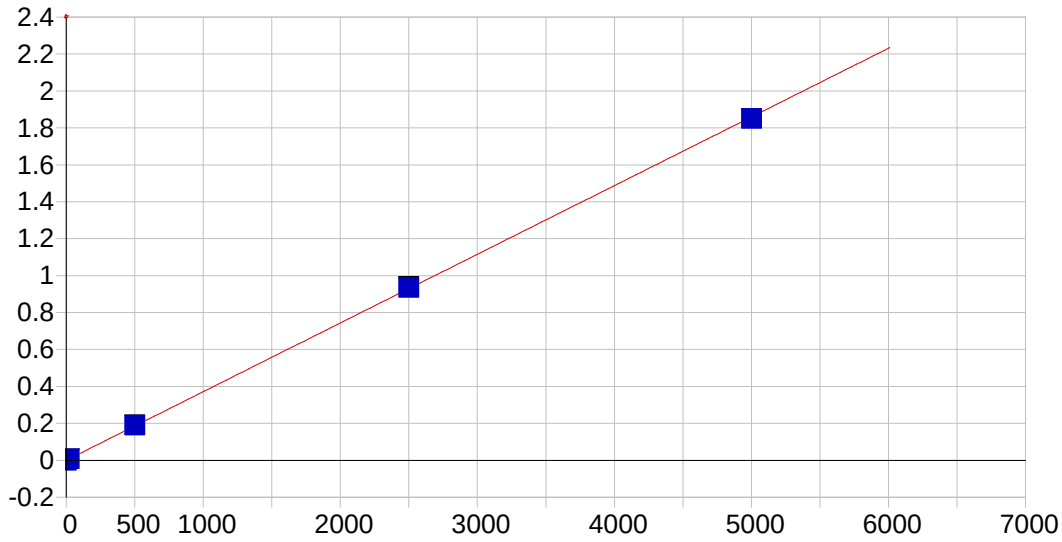
B 208.959 {461}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000424	Re-Slope:	1.000000

A1 (Gain):	0.000359	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000014		
Predicted MDL:	0.446794		
Predicted MQL:	1.489314		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00087	.001	.000	.00042	.000	1
CAL2	50.000	49.359	-.641	-1.28	.01843	.000	1
CAL3	200.00	199.04	-.963	-.482	.07880	.000	1
CAL4	1000.0	998.78	-1.22	-.122	.39360	.001	1
CAL5	2000.0	2002.8	2.78	.139	.78866	.001	1

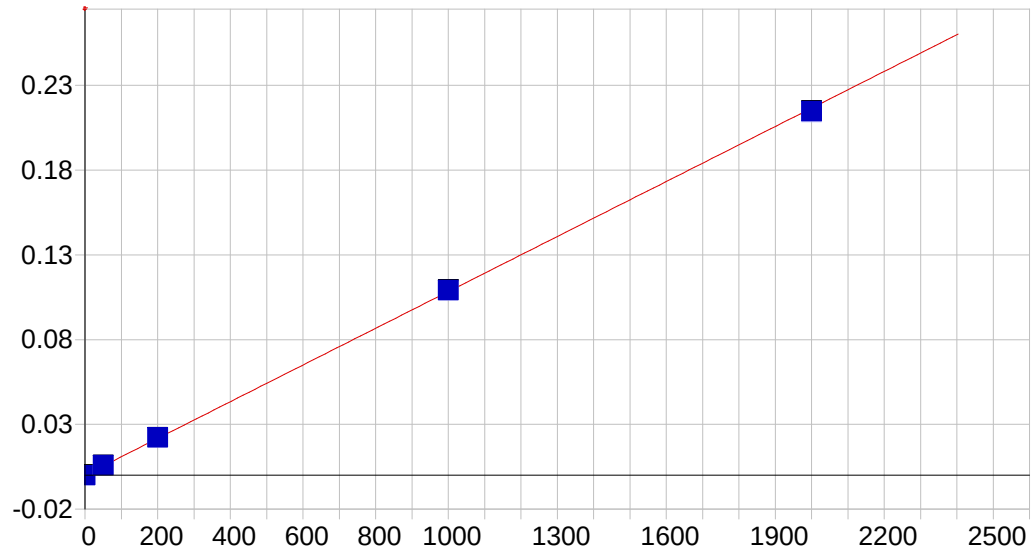


Mo 202.030 {467}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000013	Re-Slope:	1.000000
A1 (Gain):	0.000372	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999975	Status:	OK.
Std Error of Est:	0.000043		
Predicted MDL:	0.335427		
Predicted MQL:	1.118089		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00037	-.000	.000	.00001	.000	1
CAL2	20.000	19.948	-.052	-.258	.00743	.000	1
CAL3	500.00	510.02	10.0	2.00	.18962	.001	1
CAL4	2500.0	2514.7	14.7	.587	.93487	.005	1
CAL5	5000.0	4975.4	-24.6	-.493	1.8496	.001	1

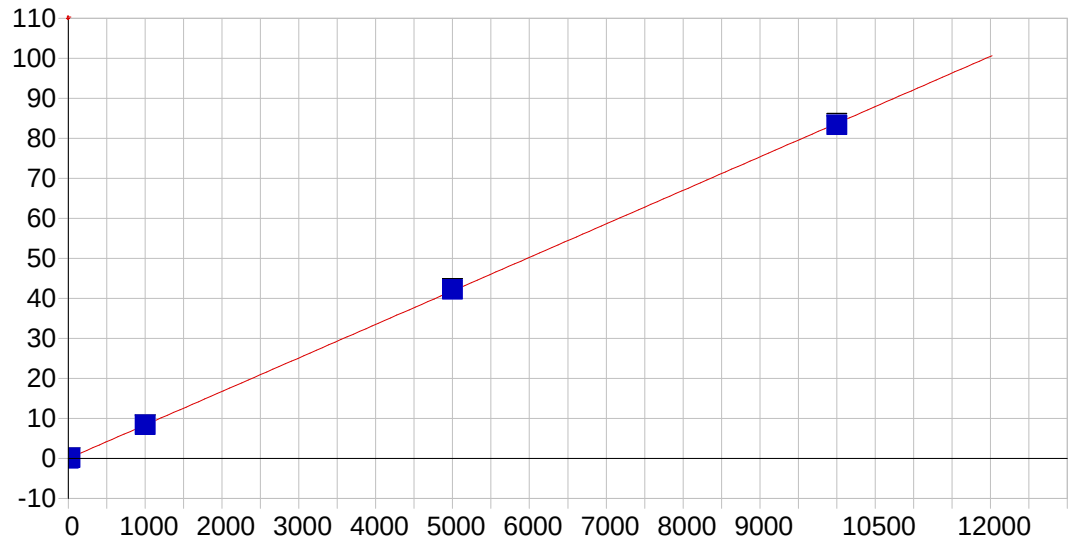


Sn 189.989 {477}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000051	Re-Slope:	1.000000
A1 (Gain):	0.000108	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999912	Status:	OK.
Std Error of Est:	0.000024		
Predicted MDL:	0.946441		
Predicted MQL:	3.154804		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00457	-.005	.000	.00005	.000	1
CAL2	50.000	53.275	3.28	6.55	.00582	.000	1
CAL3	200.00	205.14	5.14	2.57	.02221	.000	1
CAL4	1000.0	1008.8	8.79	.879	.10904	.000	1
CAL5	2000.0	1982.8	-17.2	-.861	.21425	.000	1



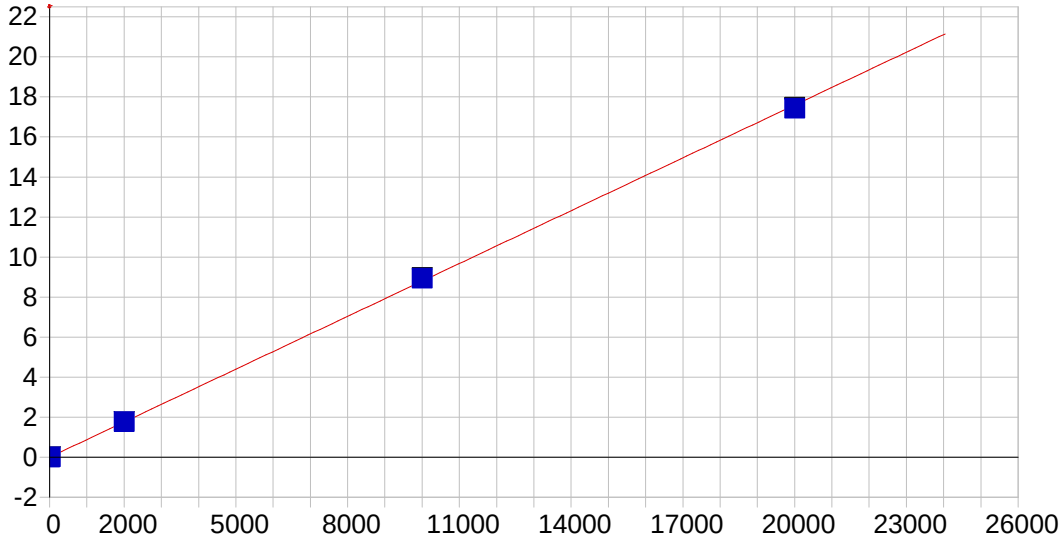
Sr 407.771 { 83}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002184	Re-Slope:	1.000000

A1 (Gain):	0.008375	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999980	Status:	OK.
Std Error of Est:	0.001234		
Predicted MDL:	0.094456		
Predicted MQL:	0.314852		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00075	-.001	.000	-.00219	.001	1
CAL2	20.000	20.618	.618	3.09	.17073	.001	1
CAL3	1000.0	1002.3	2.34	.234	8.3963	.036	1
CAL4	5000.0	5044.7	44.7	.894	42.267	.233	1
CAL5	10000.	9952.3	-47.7	-.477	83.387	.349	1

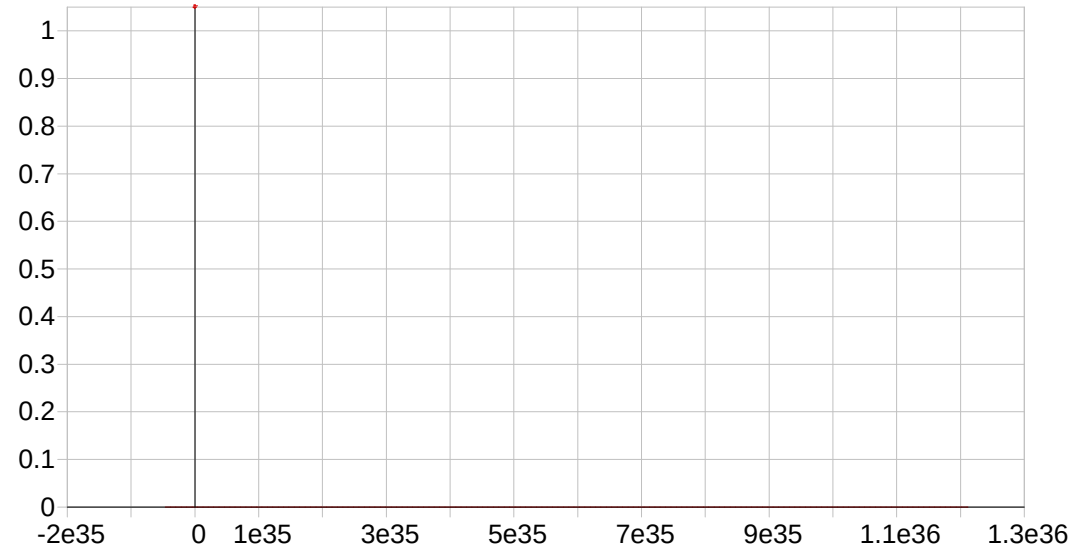


Ti 334.941 {101}

Date of Fit:	8/24/2016 12:10:41	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000022	Re-Slope:	1.000000
A1 (Gain):	0.000880	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999928	Status:	OK.
Std Error of Est:	0.000346		
Predicted MDL:	0.195315		
Predicted MQL:	0.651051		

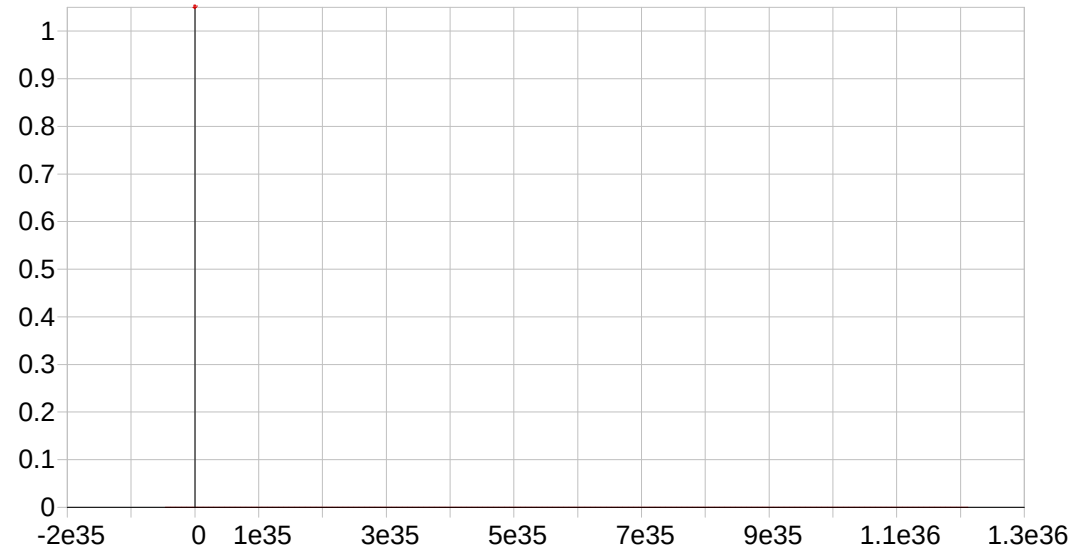
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00078	-.001	.000	-.00002	.000	1
CAL2	20.000	20.438	.438	2.19	.01796	.000	1
CAL3	2000.0	2020.3	20.3	1.01	1.7775	.003	1
CAL4	10000.	10165.	165.	1.65	8.9430	.032	1
CAL5	20000.	19815.	-185.	-.926	17.434	.047	1



Y 224.306 {450}*

Date of Fit:	8/24/2016 11:36:12	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	183.492520				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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

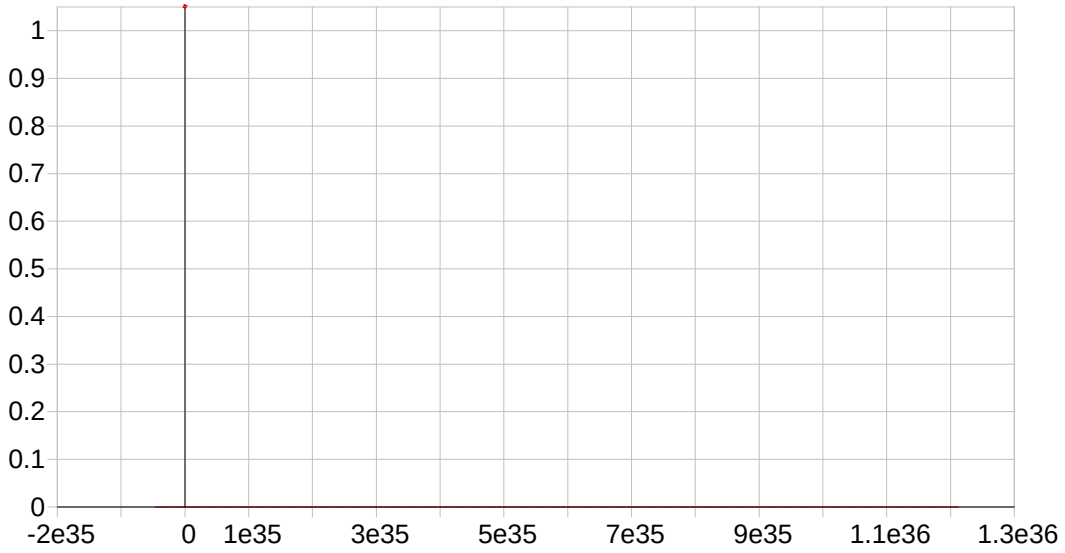


Y 360.073 { 94}*

Date of Fit:	8/24/2016 11:36:12	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				

Predicted MDL: n/a
Predicted MQL: n/a

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

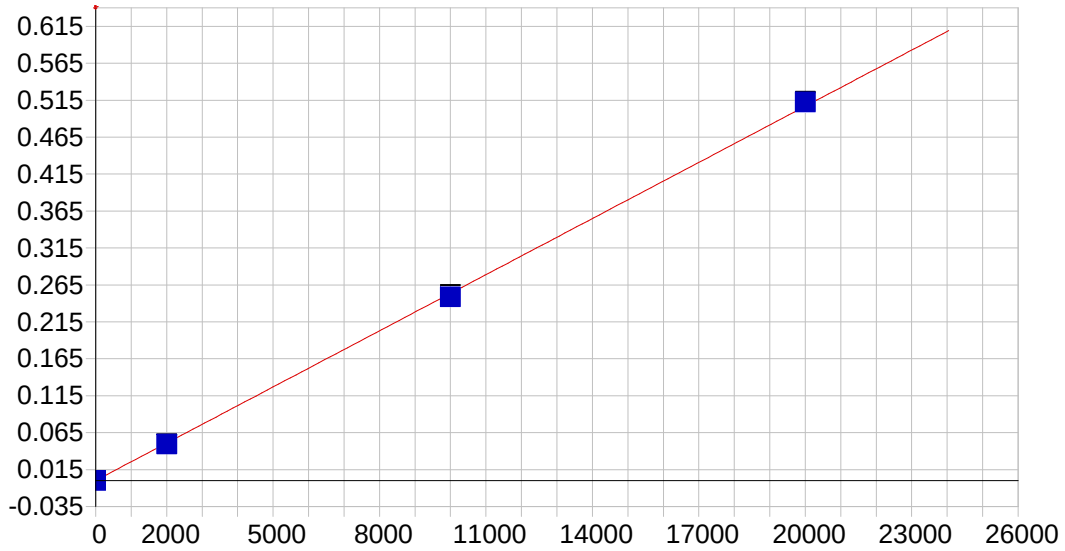


Y 371.030 { 91}*

Date of Fit: 8/24/2016 11:36:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.000000 Status: Warning Zero Gain
Std Error of Est: 192.759705
Predicted MDL: n/a
Predicted MQL: n/a

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



Si 288.158 {117}

Date of Fit: 8/24/2016 12:10:41 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000253	Re-Slope:	1.000000
A1 (Gain):	0.000025	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999878	Status:	OK.
Std Error of Est:	0.000141		
Predicted MDL:	15.236111		
Predicted MQL:	50.787036		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.06880	.069	.000	.00025	.001	1
CAL5	20000.	20239.	239.	1.19	.51138	.001	1
CAL3	2000.0	1943.8	-56.2	-2.81	.04934	.000	1
CAL4	10000.	9817.5	-182.	-1.82	.24817	.003	1

Sample Name: ICIS Cal Blk Acquired: 8/24/2016 11:47:42 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**-.0001**	**-.0005**	**.0000**	**.0009**	**-.0153**
Stddev	.0003	.0001	.0001	.0001	.0002	.0001
%RSD	90.48	158.1	16.45	777.0	18.07	.4357
#1	-.0005	-.0000	-.0004	-.0000	.0009	-.0153
#2	-.0003	.0000	-.0006	.0002	.0007	-.0152
#3	-.0000	-.0002	-.0005	-.0001	.0010	-.0153

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**-.0000**	**.0001**	**.0135**	**-.0000**	**.0035**
Stddev	.0001	.0001	.0000	.0002	.0001	.0007
%RSD	23.43	184.7	50.75	1.180	1401.	18.89
#1	-.0003	-.0001	.0001	.0133	.0001	.0042
#2	-.0005	.0000	.0001	.0135	-.0000	.0034
#3	-.0005	-.0001	.0000	.0136	-.0001	.0029

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0002**	**-.0026**	**-.0002**	**-.0002**	**.0002**
Stddev	.0001	.0001	.0015	.0000	.0001	.0001
%RSD	3056.	67.36	59.43	17.01	42.94	24.55
#1	.0000	.0003	-.0022	-.0002	-.0001	.0003
#2	.0000	.0001	-.0013	-.0002	-.0003	.0003
#3	-.0001	.0001	-.0043	-.0002	-.0002	.0002

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0005**	**.0000**	**.0001**	**.0004**	**.0000**
Stddev	.0001	.0001	.0001	.0001	.0001	.0001
%RSD	86.34	30.71	204.7	191.2	27.19	488.3
#1	.0001	-.0004	.0001	.0001	.0005	-.0001
#2	.0001	-.0004	.0000	.0002	.0004	.0000
#3	.0003	-.0006	-.0000	-.0001	.0003	.0001

Sample Name: ICIS Cal Blk Acquired: 8/24/2016 11:47:42 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0022**	**-.0000**	**.0003**
Stddev	.0001	.0007	.0001	.0005
%RSD	205.6	31.14	324.4	207.5
#1	-.0001	-.0015	-.0001	.0006
#2	.0002	-.0022	-.0000	-.0004
#3	.0000	-.0029	.0000	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4321.9**	**23066.**	**4288.9**
Stddev	11.3	46.	6.8
%RSD	.26078	.19755	.15776
#1	4314.4	23016.	4294.0
#2	4316.4	23105.	4281.3
#3	4334.9	23077.	4291.5

Sample Name: CAL1 Acquired: 8/24/2016 11:51:42 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**.0005**	**.0010**	**.0003**	**.0003**
Stddev	.0000	.0000	.0000	.0000	.0001
%RSD	14.81	8.216	3.001	11.99	22.09
#1	.0002	.0005	.0010	.0003	.0004
#2	.0002	.0005	.0010	.0003	.0002
#3	.0002	.0004	.0010	.0003	.0003

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	**4330.9**
Stddev	.9
%RSD	.02132
#1	4330.4
#2	4331.9
#3	4330.3

Sample Name: CAL2 Acquired: 8/24/2016 11:55:43 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0097**	**.0009**	**.0019**	**.1042**	**.0047**	**.0853**
Stddev	.0003	.0001	.0001	.0004	.0001	.0004
%RSD	3.089	6.765	4.611	.3695	2.786	.4502
#1	.0094	.0008	.0019	.1043	.0045	.0850
#2	.0098	.0009	.0018	.1037	.0048	.0852
#3	.0100	.0010	.0019	.1045	.0047	.0858

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0048**	**.0500**	**.0012**	**.0225**	**.0017**	**.2334**
Stddev	.0001	.0003	.0001	.0001	.0001	.0014
%RSD	2.125	.6905	6.540	.5159	7.687	.6098
#1	.0047	.0498	.0012	.0224	.0017	.2318
#2	.0049	.0498	.0013	.0226	.0018	.2343
#3	.0047	.0504	.0012	.0225	.0015	.2342

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0663**	**.0156**	**.7907**	**.0107**	**.0009**	**.0019**
Stddev	.0003	.0001	.0038	.0000	.0001	.0002
%RSD	.5139	.4865	.4764	.3544	6.248	8.153
#1	.0660	.0157	.7867	.0107	.0009	.0017
#2	.0663	.0157	.7912	.0107	.0010	.0020
#3	.0667	.0155	.7942	.0107	.0010	.0019

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0007**	**.0011**	**.0093**	**.0281**	**.0184**	**.0074**
Stddev	.0001	.0001	.0001	.0002	.0002	.0001
%RSD	12.02	9.627	.7511	.7813	1.347	1.088
#1	.0007	.0010	.0092	.0279	.0185	.0075
#2	.0006	.0012	.0093	.0283	.0182	.0074
#3	.0006	.0010	.0094	.0282	.0186	.0074

Sample Name: CAL2 Acquired: 8/24/2016 11:55:43 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	**.0058**	**.1707**	**.0180**
Stddev	.0000	.0009	.0001
%RSD	.6867	.5416	.3140
#1	.0058	.1697	.0180
#2	.0058	.1709	.0179
#3	.0059	.1716	.0180

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4326.7**	**23231.**	**4304.9**
Stddev	16.0	80.	28.1
%RSD	.37048	.34527	.65195
#1	4312.4	23209.	4336.6
#2	4323.8	23165.	4295.0
#3	4344.0	23320.	4283.2

Sample Name: CAL3 Acquired: 8/24/2016 11:59:41 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.180**	**.0329**	**.0608**	**1.023**	**.3961**	**.4814**
Stddev	.004	.0003	.0002	.002	.0005	.0030
%RSD	.3377	.9111	.3644	.1983	.1323	.6246
#1	1.183	.0326	.0606	1.024	.3967	.4780
#2	1.175	.0329	.0609	1.021	.3957	.4838
#3	1.180	.0332	.0610	1.024	.3959	.4824

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3169**	**.5022**	**.1176**	**.9139**	**.1990**	**.4671**
Stddev	.0011	.0020	.0006	.0018	.0011	.0020
%RSD	.3357	.4050	.4894	.2003	.5301	.4347
#1	.3160	.5010	.1170	.9120	.1978	.4672
#2	.3165	.5011	.1180	.9156	.1997	.4692
#3	.3180	.5046	.1180	.9141	.1994	.4651

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3365**	**1.002**	**3.939**	**.1346**	**.1426**	**.0184**
Stddev	.0016	.004	.011	.0010	.0006	.0000
%RSD	.4687	.4535	.2783	.7234	.4302	.1487
#1	.3347	.9966	3.951	.1336	.1420	.0184
#2	.3377	1.004	3.931	.1347	.1428	.0184
#3	.3372	1.004	3.934	.1355	.1432	.0183

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0148**	**.0341**	**.0916**	**.4337**	**.0788**	**.1896**
Stddev	.0001	.0002	.0003	.0031	.0002	.0005
%RSD	.5659	.4553	.3187	.7230	.2042	.2683
#1	.0147	.0339	.0913	.4306	.0786	.1892
#2	.0148	.0342	.0916	.4337	.0788	.1895
#3	.0149	.0341	.0918	.4369	.0790	.1902

Sample Name: CAL3 Acquired: 8/24/2016 11:59:41 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0222**	**8.396**	**1.777**	**.0493**
Stddev	.0001	.036	.003	.0001
%RSD	.5853	.4268	.1871	.1911
#1	.0221	8.432	1.774	.0494
#2	.0223	8.397	1.780	.0492
#3	.0223	8.360	1.778	.0494

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4264.6**	**23150.**	**4369.1**
Stddev	7.2	82.	11.6
%RSD	.16890	.35273	.26495
#1	4267.7	23237.	4373.9
#2	4269.7	23075.	4377.5
#3	4256.3	23138.	4355.9

Sample Name: CAL4 Acquired: 8/24/2016 12:03:25 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.976**	**.1672**	**.3192**	**5.026**	**1.963**	**2.523**
Stddev	.030	.0004	.0014	.020	.009	.011
%RSD	.4984	.2485	.4429	.3953	.4836	.4202
#1	5.944	.1668	.3177	5.005	1.952	2.512
#2	6.003	.1672	.3193	5.029	1.970	2.525
#3	5.980	.1676	.3206	5.045	1.966	2.533

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.540**	**2.428**	**.5798**	**4.787**	**.9867**	**2.413**
Stddev	.007	.008	.0026	.016	.0041	.012
%RSD	.4464	.3462	.4432	.3429	.4170	.4945
#1	1.533	2.419	.5771	4.773	.9821	2.399
#2	1.541	2.430	.5802	4.784	.9880	2.419
#3	1.546	2.436	.5821	4.805	.9901	2.420

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.762**	**4.971**	**20.24**	**.6500**	**.6880**	**.0921**
Stddev	.008	.021	.07	.0031	.0025	.0001
%RSD	.4535	.4300	.3451	.4731	.3643	.1284
#1	1.754	4.948	20.22	.6469	.6854	.0921
#2	1.763	4.973	20.32	.6502	.6884	.0922
#3	1.770	4.991	20.19	.6530	.6903	.0920

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0737**	**.1615**	**.4575**	**2.104**	**.3936**	**.9349**
Stddev	.0003	.0010	.0011	.010	.0012	.0050
%RSD	.4671	.6310	.2357	.4743	.2933	.5308
#1	.0733	.1604	.4567	2.094	.3924	.9294
#2	.0739	.1616	.4572	2.104	.3937	.9360
#3	.0738	.1625	.4587	2.114	.3947	.9391

Sample Name: CAL4 Acquired: 8/24/2016 12:03:25 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1090**	**42.27**	**8.943**	**.2482**
Stddev	.0003	.23	.032	.0028
%RSD	.2409	.5502	.3614	1.121
#1	.1088	42.00	8.908	.2462
#2	.1090	42.42	8.948	.2470
#3	.1093	42.39	8.973	.2513

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4030.0**	**22235.**	**4137.7**
Stddev	3.6	92.	38.6
%RSD	.09024	.41243	.93224
#1	4032.4	22296.	4135.1
#2	4031.9	22129.	4100.5
#3	4025.9	22279.	4177.5

Sample Name: CAL5 Acquired: 8/24/2016 12:06:56 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.97**	**.3404**	**.6487**	**9.733**	**3.843**	**5.009**
Stddev	.01	.0005	.0018	.018	.013	.018
%RSD	.0657	.1498	.2730	.1835	.3381	.3498
#1	11.98	.3404	.6470	9.751	3.856	4.992
#2	11.97	.3399	.6485	9.731	3.845	5.009
#3	11.96	.3409	.6506	9.716	3.830	5.027

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.000**	**4.762**	**1.141**	**9.814**	**1.941**	**4.889**
Stddev	.003	.006	.004	.016	.006	.009
%RSD	.1138	.1208	.3572	.1589	.3028	.1878
#1	3.004	4.768	1.137	9.803	1.935	4.890
#2	2.998	4.757	1.140	9.809	1.941	4.898
#3	2.999	4.760	1.145	9.832	1.947	4.880

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.567**	**9.619**	**39.96**	**1.263**	**1.340**	**.1869**
Stddev	.012	.021	.22	.002	.002	.0004
%RSD	.3383	.2235	.5390	.1821	.1287	.2239
#1	3.556	9.600	40.19	1.266	1.342	.1874
#2	3.564	9.614	39.93	1.262	1.339	.1867
#3	3.580	9.642	39.76	1.261	1.340	.1867

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1490**	**.3108**	**.9211**	**4.084**	**.7887**	**1.850**
Stddev	.0004	.0001	.0041	.002	.0007	.001
%RSD	.2364	.0463	.4466	.0588	.0905	.0458
#1	.1489	.3109	.9167	4.085	.7882	1.851
#2	.1487	.3106	.9219	4.085	.7895	1.849
#3	.1494	.3108	.9248	4.081	.7883	1.849

Sample Name: CAL5 Acquired: 8/24/2016 12:06:56 Type: Cal
Method: BC08232016(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2143**	**83.39**	**17.43**	**.5114**
Stddev	.0004	.35	.05	.0006
%RSD	.2020	.4182	.2719	.1214
#1	.2138	83.72	17.49	.5121
#2	.2143	83.42	17.40	.5108
#3	.2146	83.02	17.42	.5112

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3852.1**	**21924.**	**4132.4**
Stddev	12.1	17.	18.4
%RSD	.31353	.07649	.44411
#1	3840.3	21942.	4124.3
#2	3851.6	21908.	4119.5
#3	3864.4	21923.	4153.4

Sample Name: ICV Acquired: 8/24/2016 12:10:44 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122000.**	**2442.**	**1213.**	**9970.**	**996.4**	**121200.**
Stddev	649.	9.	2.	23.	8.8	660.
%RSD	.5324	.3752	.1742	.2267	.8796	.5444
#1	121700.	2434.	1212.	9945.	991.4	120500.
#2	121500.	2452.	1212.	9978.	991.3	121200.
#3	122700.	2442.	1215.	9989.	1007.	121800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1232.**	**2444.**	**4950.**	**12100.**	**97750.**	**48270.**
Stddev	2.	4.	19.	8.	356.	252.
%RSD	.1410	.1819	.3817	.0686	.3643	.5223
#1	1231.	2439.	4932.	12110.	97390.	48230.
#2	1234.	2447.	4948.	12100.	97750.	48040.
#3	1232.	2446.	4970.	12100.	98100.	48540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120900.**	**5009.**	**122700.**	**2486.**	**7404.**	**974.5**
Stddev	468.	23.	731.	.	19.	4.0
%RSD	.3871	.4581	.5954	.0180	.2611	.4115
#1	120400.	4986.	122800.	2485.	7392.	970.7
#2	120800.	5007.	122000.	2486.	7427.	974.0
#3	121300.	5032.	123400.	2485.	7395.	978.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 8/24/2016 12:10:44 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2426.**	**2473.**	**2440.**	**2474.**	**986.1**	**2381.**
Stddev	7.	3.	5.	4.	2.6	1.
%RSD	.2811	.1404	.1941	.1424	.2633	.0401
#1	2421.	2473.	2437.	2470.	985.4	2380.
#2	2433.	2477.	2438.	2475.	989.0	2381.
#3	2422.	2470.	2445.	2477.	983.9	2382.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**970.9**	**4981.**	**9907.**	**9596.**
Stddev	1.0	23.	24.	93.
%RSD	.1007	.4523	.2403	.9667
#1	971.3	4988.	9886.	9701.
#2	969.8	4956.	9902.	9562.
#3	971.6	5000.	9933.	9525.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4057.8**	**22554.**	**4207.5**
Stddev	7.0	99.	49.5
%RSD	.17147	.43772	1.1769
#1	4065.8	22625.	4247.1
#2	4053.9	22596.	4223.3
#3	4053.7	22441.	4152.0

Sample Name: ICB Acquired: 8/24/2016 12:14:16 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.946**	**-.5541**	**-.2459**	**.2163**	**-.1121**	**-11.29**
Stddev	12.67	.8661	.5913	.0862	.0614	13.57
%RSD	127.4	156.3	240.4	39.85	54.77	120.2
#1	5.775	.4143	.2754	.2177	-.0638	-.3711
#2	-.1092	-.8225	-.8883	.1294	-.1813	-7.018
#3	24.17	-1.254	-.1249	.3018	-.0913	-26.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1578**	**-.1075**	**.6089**	**.5974**	**9.364**	**60.04**
Stddev	.0445	.1581	.3173	.1910	4.879	24.71
%RSD	28.22	147.1	52.11	31.97	52.10	41.17
#1	.2034	-.2759	.3006	.3852	10.67	75.52
#2	.1557	.0378	.5915	.6513	3.965	31.53
#3	.1144	-.0843	.9345	.7557	13.45	73.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.970**	**.0871**	**56.52**	**.1630**	**.2987**	**-.9496**
Stddev	8.303	.0556	38.60	.4118	1.220	.3237
%RSD	209.1	63.87	68.29	252.6	408.3	34.09
#1	10.56	.0951	95.49	-.0012	-1.062	-1.321
#2	6.702	.1383	55.79	.6316	1.294	-.8031
#3	-5.355	.0279	18.29	-.1413	.6639	-.7251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 8/24/2016 12:14:16 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4371**	**2.279**	**-.1015**	**-.0618**	**4.328**	**1.903**
Stddev	2.589	1.169	.6365	.0970	1.294	.621
%RSD	592.3	51.31	627.2	156.9	29.90	32.61
#1	2.659	1.088	-.6053	-.1157	5.746	2.587
#2	1.059	2.324	-.3130	.0501	4.030	1.745
#3	-2.406	3.425	.6138	-.1200	3.209	1.376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8387**	**.0685**	**.4444**	**15.20**
Stddev	.5784	.0942	.1416	13.43
%RSD	68.96	137.5	31.86	88.38
#1	.7835	.1622	.5218	.7889
#2	1.443	.0695	.5305	27.37
#3	.2900	-.0262	.2810	17.43
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4353.2**	**23093.**	**4284.3**
Stddev	7.6	48.	41.5
%RSD	.17426	.20624	.96977
#1	4348.0	23140.	4243.8
#2	4349.7	23045.	4282.2
#3	4361.9	23094.	4326.8

Sample Name: ICVL Acquired: 8/24/2016 12:18:14 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**181.0**	**11.88**	**8.700**	**191.2**	**1.952**	**4507.**
Stddev	11.4	.99	.047	.4	.084	25.
%RSD	6.302	8.356	.5395	.2144	4.285	.5628
#1	182.1	12.90	8.655	191.2	1.855	4478.
#2	169.1	11.83	8.698	191.7	2.004	4518.
#3	191.9	10.91	8.748	190.9	1.996	4526.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.904**	**47.41**	**9.304**	**21.49**	**159.7**	**4391.**
Stddev	.040	.49	.998	.67	8.3	37.
%RSD	1.016	1.030	10.73	3.115	5.181	.8351
#1	3.949	47.06	8.439	20.73	152.7	4354.
#2	3.888	47.22	10.40	21.77	168.8	4391.
#3	3.874	47.97	9.078	21.98	157.5	4428.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4231.**	**14.29**	**4540.**	**39.01**	**11.73**	**16.91**
Stddev	32.	.11	34.	.62	.18	1.79
%RSD	.7471	.7471	.7519	1.583	1.524	10.59
#1	4196.	14.21	4503.	38.59	11.75	15.40
#2	4240.	14.25	4570.	38.72	11.54	16.43
#3	4258.	14.41	4546.	39.72	11.90	18.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL Acquired: 8/24/2016 12:18:14 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.06**	**22.38**	**44.77**	**30.69**	**46.40**	**18.43**
Stddev	3.19	1.43	.23	.40	.52	.20
%RSD	16.72	6.408	.5094	1.301	1.126	1.072
#1	18.93	24.02	44.52	30.35	45.80	18.50
#2	15.94	21.37	44.81	30.58	46.66	18.57
#3	22.31	21.74	44.97	31.13	46.74	18.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.98**	**18.97**	**18.65**	F **17.50**
Stddev	.87	.11	.35	10.14
%RSD	1.779	.5867	1.893	57.95
#1	48.53	18.89	18.25	10.77
#2	48.42	19.09	18.78	12.57
#3	49.98	18.92	18.92	29.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4329.4**	**23238.**	**4274.0**
Stddev	13.0	71.	18.0
%RSD	.29976	.30616	.42170
#1	4343.2	23319.	4253.5
#2	4327.7	23202.	4287.1
#3	4317.4	23191.	4281.5

Sample Name: ICSA 4305572 Acquired: 8/24/2016 12:22:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**487500.**	**-6.630**	**1.695**	**-1.654**	**-.1624**	**483000.**
Stddev	13670.	2.705	.359	.031	.1182	8551.
%RSD	2.804	40.80	21.18	1.887	72.81	1.770
#1	471700.	-9.414	1.862	-1.654	-.1140	473400.
#2	495300.	-6.465	1.941	-1.624	-.0760	486000.
#3	495500.	-4.011	1.283	-1.686	-.2971	489800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8707**	**1.382**	**-.1622**	**-2.567**	**190800.**	**-22.72**
Stddev	.8305	.417	1.646	.408	3221.	28.54
%RSD	95.39	30.15	1015.	15.89	1.688	125.6
#1	1.763	1.730	-2.019	-3.005	187200.	9.705
#2	.7293	.9203	1.120	-2.499	192200.	-44.01
#3	.1199	1.495	.4129	-2.198	193200.	-33.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**495900.**	**-.6561**	**20.76**	**-.2731**	**-2.615**	**-8.472**
Stddev	8493.	.3243	7.25	.2042	1.020	2.655
%RSD	1.713	49.43	34.91	74.77	39.03	31.34
#1	486300.	-.3008	15.90	-.4174	-1.436	-5.426
#2	498900.	-.9362	29.09	-.3625	-3.190	-10.30
#3	502400.	-.7313	17.29	-.0394	-3.218	-9.693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4305572 Acquired: 8/24/2016 12:22:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.745**	**.6201**	**.0604**	**-1.952**	**-3.345**	**.1363**
Stddev	11.04	3.715	.9753	.121	.342	.9188
%RSD	192.1	599.1	1615.	6.215	10.22	674.2
#1	-9.750	4.841	-.5333	-1.887	-2.967	-.4214
#2	6.733	-.8250	-.4716	-1.878	-3.632	-.3665
#3	-14.22	-2.156	1.186	-2.093	-3.437	1.197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2386**	**-1.018**	**1.573**	**51.72**
Stddev	1.597	.051	.258	7.00
%RSD	669.4	5.034	16.38	13.53
#1	.7508	-1.077	1.369	46.32
#2	-2.081	-.9909	1.487	59.62
#3	.6147	-.9858	1.862	49.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3882.3**	**21756.**	**4155.4**
Stddev	7.1	241.	90.7
%RSD	.18355	1.1076	2.1827
#1	3890.4	22020.	4260.1
#2	3877.2	21699.	4100.6
#3	3879.2	21548.	4105.6

Sample Name: ICSAB 4305680 Acquired: 8/24/2016 12:26:05 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**495800.**	**89.01**	**106.1**	**101.5**	**98.98**	**494800.**
Stddev	898.	3.60	.5	.5	.32	1764.
%RSD	.1812	4.041	.4280	.5035	.3278	.3565
#1	494900.	85.26	105.6	101.0	99.14	492700.
#2	495700.	89.33	106.5	101.6	99.19	495500.
#3	496700.	92.43	106.2	102.0	98.61	496000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**95.59**	**98.36**	**101.4**	**104.9**	**195300.**	**9695.**
Stddev	.73	.52	.9	1.5	627.	65.
%RSD	.7637	.5296	.9331	1.415	.3210	.6745
#1	94.86	97.86	100.7	103.2	194600.	9649.
#2	96.32	98.90	100.9	105.5	195400.	9666.
#3	95.60	98.33	102.4	106.0	195900.	9770.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**507000.**	**103.0**	**9940.**	**96.77**	**96.33**	**86.38**
Stddev	1786.	1.1	43.	.57	2.80	1.26
%RSD	.3523	1.101	.4321	.5915	2.911	1.462
#1	505000.	101.7	9913.	96.17	93.21	87.73
#2	507900.	103.7	9917.	97.31	97.14	86.17
#3	508200.	103.5	9989.	96.83	98.63	85.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 4305680 Acquired: 8/24/2016 12:26:05 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**96.68**	**97.83**	**101.0**	**98.09**	**95.79**	**94.76**
Stddev	9.75	6.02	2.0	.71	.40	.53
%RSD	10.09	6.157	2.007	.7192	.4163	.5556
#1	100.2	96.77	98.76	97.40	95.43	94.62
#2	85.65	104.3	102.6	98.81	96.22	94.32
#3	104.2	92.41	101.7	98.05	95.72	95.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**98.97**	**98.77**	**105.4**	**99.78**
Stddev	2.65	.12	1.6	10.54
%RSD	2.678	.1231	1.486	10.56
#1	95.96	98.77	103.6	89.25
#2	100.9	98.65	106.0	110.3
#3	99.99	98.89	106.5	99.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3882.5**	**21431.**	**4077.6**
Stddev	3.4	55.	13.3
%RSD	.08842	.25801	.32593
#1	3884.0	21495.	4075.7
#2	3884.9	21394.	4065.4
#3	3878.5	21405.	4091.8

Sample Name: INT-10A 4360515 Acquired: 8/24/2016 12:29:51 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.06**	**-.0513**	**6.741**	**1.366**	**2.054**	**5.652**
Stddev	5.17	2.095	.194	.174	.157	3.800
%RSD	28.61	4084.	2.875	12.73	7.634	67.23
#1	22.04	.6817	6.527	1.469	2.062	7.353
#2	19.91	-2.414	6.792	1.165	2.206	8.304
#3	12.22	1.579	6.905	1.464	1.893	1.298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8037**	**10800.**	**.3128**	**-2.177**	**17.96**	**-6.170**
Stddev	.1231	34.	.4330	.128	16.88	15.15
%RSD	15.32	.3141	138.4	5.870	94.01	245.5
#1	-.7293	10760.	.3665	-2.203	.0889	8.603
#2	-.7359	10810.	-.1446	-2.038	33.64	-5.443
#3	-.9458	10830.	.7164	-2.290	20.14	-21.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.544**	**-.0590**	**30.10**	**.0247**	**1.536**	**1.614**
Stddev	9.676	.0946	10.11	.7909	1.057	1.848
%RSD	174.5	160.4	33.57	3197.	68.85	114.5
#1	11.69	-.0908	41.11	.1145	2.484	2.709
#2	10.55	-.1335	27.96	.7669	.3959	-.5191
#3	-5.609	.0474	21.24	-.8072	1.726	2.652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10A 4360515 Acquired: 8/24/2016 12:29:51 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.918**	**-30.67**	**5149.**	**.6812**	**.1534**	**-2.054**
Stddev	.224	1.44	17.	.1429	.4995	.199
%RSD	11.70	4.683	.3383	20.98	325.6	9.681
#1	1.943	-32.16	5138.	.6442	.5855	-1.853
#2	1.682	-29.30	5141.	.8390	.2683	-2.057
#3	2.129	-30.54	5170.	.5604	-.3935	-2.251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10750.**	**10190.**	**-.4456**	**9555.**
Stddev	41.	6.	.1443	161.
%RSD	.3844	.0556	32.38	1.681
#1	10700.	10190.	-.4185	9376.
#2	10760.	10190.	-.3169	9603.
#3	10780.	10180.	-.6016	9687.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4371.6**	**23373.**	**4323.1**
Stddev	11.9	80.	20.6
%RSD	.27256	.34342	.47640
#1	4367.8	23281.	4309.4
#2	4384.9	23404.	4346.8
#3	4362.0	23432.	4313.2

Sample Name: INT-10B 4360523 Acquired: 8/24/2016 12:33:53 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-37.73**	**12.60**	**-1.699**	**2.446**	**-3.496**	**17.02**
Stddev	6.60	.83	.573	.065	.220	19.07
%RSD	17.50	6.555	33.69	2.640	6.300	112.1
#1	-33.90	12.94	-2.080	2.372	-3.302	35.59
#2	-45.35	11.66	-1.977	2.488	-3.735	17.99
#3	-33.93	13.20	-1.041	2.478	-3.451	-2.520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7483**	**6.424**	**10160.**	**9031.**	**-26.05**	**26.08**
Stddev	.1361	.233	62.	43.	3.50	9.66
%RSD	18.19	3.631	.6127	.4715	13.43	37.03
#1	.5971	6.196	10140.	8991.	-23.77	18.90
#2	.7869	6.412	10110.	9026.	-24.30	22.27
#3	.8610	6.662	10230.	9075.	-30.07	37.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.191**	**10090.**	**12.80**	**10730.**	**-12.23**	**-19.84**
Stddev	3.834	55.	7.04	34.	1.48	.49
%RSD	61.93	.5449	54.95	.3175	12.12	2.477
#1	-3.225	10070.	20.34	10690.	-12.58	-19.64
#2	-4.827	10050.	11.66	10750.	-10.61	-19.47
#3	-10.52	10160.	6.406	10750.	-13.52	-20.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10B 4360523 Acquired: 8/24/2016 12:33:53 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.058**	**8.033**	**-22.54**	**2.420**	**-17.01**	**4839.**
Stddev	2.442	1.611	2.18	.028	2.15	20.
%RSD	48.28	20.05	9.669	1.140	12.62	.4071
#1	-2.388	8.284	-21.39	2.441	-18.26	4816.
#2	-7.178	6.311	-21.18	2.389	-18.23	4847.
#3	-5.608	9.503	-25.06	2.431	-14.53	4853.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-42.67**	**.2255**	**9803.**	**13.12**
Stddev	1.16	.1508	35.	6.72
%RSD	2.719	66.85	.3576	51.23
#1	-41.45	.3853	9776.	15.26
#2	-42.78	.0857	9791.	18.50
#3	-43.76	.2056	9843.	5.587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4278.6**	**23207.**	**4331.4**
Stddev	14.3	125.	17.2
%RSD	.33467	.53660	.39596
#1	4295.0	23247.	4312.3
#2	4268.5	23306.	4336.2
#3	4272.4	23067.	4345.6

Sample Name: pds 460-118904-b-1-d Acquired: 8/24/2016 12:37:44 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1963.**	**2010.**	**47.40**	**2009.**	**49.17**	F **282200.**
Stddev	5.	6.	1.07	3.	.63	602.
%RSD	.2787	.3158	2.249	.1388	1.271	.2134
#1	1959.	2005.	46.17	2006.	48.75	282800.
#2	1962.	2007.	48.09	2012.	48.86	281700.
#3	1969.	2017.	47.93	2010.	49.89	282000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**290.7**	**500.0**	**194.4**	**6496.**	**993.9**	**20200.**
Stddev	.4	.6	.4	7.	21.2	181.
%RSD	.1261	.1264	.2229	.1132	2.129	.8964
#1	290.4	500.5	194.0	6489.	970.4	19990.
#2	290.7	499.3	194.9	6503.	1011.	20270.
#3	291.1	500.2	194.4	6497.	999.9	20330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23890.**	**1204.**	F **307200.**	**4541.**	**992.8**	**455.6**
Stddev	54.	2.	2548.	7.	1.1	1.9
%RSD	.2259	.1620	.8293	.1466	.1116	.4246
#1	23950.	1207.	310000.	4539.	992.2	455.1
#2	23850.	1203.	306700.	4548.	994.1	453.9
#3	23870.	1203.	305000.	4536.	992.1	457.7
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-118904-b-1-d Acquired: 8/24/2016 12:37:44 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2011.**	**1905.**	**484.2**	F **22510.**	**591.3**	**478.3**
Stddev	11.	2.	3.6	72.	3.2	1.4
%RSD	.5609	.1102	.7479	.3218	.5495	.2989
#1	1999.	1908.	480.0	22570.	587.8	479.7
#2	2012.	1905.	485.8	22530.	591.9	478.4
#3	2022.	1904.	486.7	22430.	594.2	476.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**504.4**	**1669.**	**480.1**	**4449.**
Stddev	1.1	4.	.8	47.
%RSD	.2129	.2580	.1689	1.055
#1	503.2	1664.	481.1	4404.
#2	504.8	1671.	479.8	4444.
#3	505.2	1672.	479.5	4498.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3987.7**	**22618.**	**4163.0**
Stddev	3.0	55.	6.7
%RSD	.07443	.24198	.16107
#1	3984.9	22556.	4168.5
#2	3987.6	22661.	4155.5
#3	3990.8	22635.	4164.9

Sample Name: 460-118904-b-1-f ms Acquired: 8/24/2016 12:41:21 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1125.**	**1114.**	**101.2**	**2197.**	**218.6**	F **271900.**
Stddev	23.	2.	1.2	1.	2.9	1297.
%RSD	2.066	.2045	1.215	.0376	1.315	.4769
#1	1099.	1114.	101.5	2198.	215.3	271900.
#2	1131.	1111.	102.3	2196.	219.5	273200.
#3	1144.	1115.	99.90	2198.	220.8	270600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**469.3**	**241.2**	**1040.**	**6612.**	**236.7**	**5101.**
Stddev	.5	.2	11.	18.	11.6	89.
%RSD	.1064	.1026	1.047	.2701	4.883	1.752
#1	469.1	241.2	1044.	6599.	237.8	5006.
#2	469.9	241.5	1049.	6604.	224.6	5114.
#3	468.9	241.0	1028.	6632.	247.6	5183.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9801.**	**955.3**	F **294900.**	**4394.**	**1603.**	**195.5**
Stddev	59.	2.5	2362.	3.	3.	2.5
%RSD	.6047	.2653	.8012	.0650	.1624	1.279
#1	9783.	953.8	297300.	4394.	1600.	198.2
#2	9867.	958.2	294700.	4396.	1605.	193.3
#3	9753.	953.8	292600.	4391.	1604.	194.9
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118904-b-1-f ms Acquired: 8/24/2016 12:41:21 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**240.4**	**219.7**	**103.3**	F **22840.**	**320.7**	**212.3**
Stddev	3.3	2.2	.6	141.	3.7	.3
%RSD	1.353	1.012	.5498	.6158	1.145	.1238
#1	240.0	217.3	102.9	22830.	317.4	212.2
#2	237.4	220.3	104.0	22980.	320.0	212.1
#3	243.9	221.6	103.2	22700.	324.6	212.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**220.4**	**1422.**	**215.3**	**4528.**
Stddev	.3	3.	2.0	79.
%RSD	.1398	.2399	.9110	1.753
#1	220.5	1419.	213.0	4448.
#2	220.1	1425.	216.4	4530.
#3	220.7	1420.	216.4	4607.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3981.0**	**22681.**	**4179.6**
Stddev	2.5	154.	42.8
%RSD	.06197	.67886	1.0230
#1	3983.7	22702.	4174.4
#2	3979.1	22517.	4139.7
#3	3980.1	22823.	4224.8

Sample Name: 460-118904-b-1-e du Acquired: 8/24/2016 12:45:02 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**60.12**	**14.48**	**.1435**	**39.54**	**-.0458**	F **266900.**
Stddev	9.73	.71	.3735	.15	.1148	473.
%RSD	16.19	4.930	260.3	.3909	250.5	.1771
#1	63.11	13.72	.4123	39.36	.0513	267300.
#2	68.01	15.13	.3012	39.64	-.1725	266400.
#3	49.24	14.60	-.2830	39.62	-.0164	266900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**252.0**	**16.32**	**-2.549**	**6366.**	**28.87**	**774.6**
Stddev	1.7	.16	.684	12.	14.00	34.8
%RSD	.6725	.9757	26.83	.1826	48.48	4.493
#1	250.3	16.47	-2.637	6355.	37.27	734.4
#2	252.0	16.34	-3.184	6365.	12.72	792.8
#3	253.7	16.15	-1.825	6379.	36.64	796.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5763.**	**733.8**	F **286900.**	**4142.**	**524.4**	**1.667**
Stddev	50.	.4	1926.	2.	7.7	2.062
%RSD	.8601	.0586	.6715	.0517	1.470	123.7
#1	5706.	734.1	289000.	4142.	516.0	1.040
#2	5788.	734.0	285300.	4144.	526.1	3.969
#3	5795.	733.3	286300.	4139.	531.1	-.0089
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118904-b-1-e du Acquired: 8/24/2016 12:45:02 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.11**	**-1.424**	**-1.386**	F **22570.**	**104.9**	**2.897**
Stddev	.90	1.399	.492	71.	.9	.229
%RSD	8.941	98.19	35.48	.3147	.8215	7.889
#1	9.327	-.9425	-1.533	22610.	104.3	2.636
#2	9.897	-3.000	-1.788	22610.	104.5	3.062
#3	11.10	-.3305	-.8377	22490.	105.9	2.992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1743**	**1199.**	**2.245**	**4442.**
Stddev	.9679	3.	.365	71.
%RSD	555.4	.2411	16.25	1.602
#1	-.0075	1199.	1.853	4361.
#2	1.220	1196.	2.306	4492.
#3	-.6899	1201.	2.575	4473.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4004.3**	**22658.**	**4193.4**
Stddev	5.3	38.	17.8
%RSD	.13290	.16706	.42423
#1	4010.5	22634.	4183.4
#2	4001.7	22702.	4213.9
#3	4000.8	22640.	4182.8

Sample Name: 460-118904-b-1-d@5 Acquired: 8/24/2016 12:48:53 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**57.56**	**15.03**	**-.3240**	**39.35**	**-.0249**	F **266100.**
Stddev	8.47	1.92	.2397	.25	.1675	1618.
%RSD	14.72	12.77	73.97	.6372	671.9	.6079
#1	57.84	14.02	-.5951	39.07	-.1591	264300.
#2	65.88	13.82	-.1403	39.55	-.0785	266400.
#3	48.95	17.24	-.2366	39.43	.1628	267500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**250.0**	**16.22**	**-2.299**	**6316.**	**46.54**	**754.5**
Stddev	1.1	.25	.903	6.	9.36	13.1
%RSD	.4401	1.541	39.28	.0946	20.12	1.730
#1	248.7	16.04	-3.331	6314.	49.64	748.7
#2	250.6	16.51	-1.654	6310.	36.02	769.4
#3	250.6	16.12	-1.912	6322.	53.96	745.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5721.**	**731.9**	F **285600.**	**4117.**	**520.4**	**.7086**
Stddev	83.	2.7	3141.	3.	3.8	1.932
%RSD	1.456	.3620	1.100	.0629	.7318	272.7
#1	5645.	729.0	289100.	4118.	516.7	-1.378
#2	5708.	732.4	284600.	4114.	520.2	2.436
#3	5810.	734.3	283100.	4119.	524.3	1.068
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118904-b-1-d@5 Acquired: 8/24/2016 12:48:53 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.54**	**-1.578**	**-1.076**	F **22490.**	**102.7**	**2.884**
Stddev	4.27	1.461	.065	11.	.3	.620
%RSD	40.51	92.64	6.016	.0510	.2874	21.48
#1	15.07	-.0794	-1.009	22470.	102.4	2.313
#2	6.592	-1.654	-1.081	22490.	102.8	3.543
#3	9.958	-2.999	-1.138	22490.	103.0	2.797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9980**	**1188.**	**2.239**	**4413.**
Stddev	.6000	4.	.206	36.
%RSD	60.12	.3427	9.222	.8263
#1	.3177	1191.	2.006	4378.
#2	1.225	1188.	2.400	4409.
#3	1.451	1183.	2.310	4451.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3993.3**	**22491.**	**4146.1**
Stddev	2.7	112.	21.7
%RSD	.06847	.49931	.52337
#1	3994.4	22597.	4141.7
#2	3995.2	22504.	4127.0
#3	3990.1	22373.	4169.7

Sample Name: sd 460-118904-b-1-d Acquired: 8/24/2016 12:52:42 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.40**	**2.407**	**-.3298**	**7.807**	**-.1907**	**52030.**
Stddev	4.71	.461	.4830	.098	.1039	26.
%RSD	28.74	19.14	146.5	1.255	54.48	.0503
#1	16.94	2.700	-.7595	7.717	-.2433	52010.
#2	20.82	1.876	.1930	7.794	-.0710	52030.
#3	11.44	2.644	-.4230	7.911	-.2579	52060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.12**	**3.249**	**.0610**	**1206.**	**9.552**	**147.1**
Stddev	.30	.069	.8372	1.	3.295	21.8
%RSD	.5933	2.122	1373.	.0631	34.49	14.82
#1	50.91	3.173	.5431	1205.	5.929	129.3
#2	50.99	3.265	-.9058	1207.	10.36	140.6
#3	51.47	3.308	.5456	1206.	12.37	171.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1137.**	**151.5**	**58680.**	**858.3**	**107.1**	**-.6791**
Stddev	13.	1.2	280.	2.5	2.2	.6648
%RSD	1.149	.7804	.4764	.2945	2.098	97.89
#1	1126.	150.2	58360.	856.5	109.7	-1.405
#2	1134.	151.8	58800.	857.3	105.5	-.1008
#3	1151.	152.5	58880.	861.2	106.1	-.5312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118904-b-1-d Acquired: 8/24/2016 12:52:42 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.444**	**1.388**	**-.7885**	**4665.**	**20.91**	**.4630**
Stddev	.980	1.372	.4141	6.	.27	.3571
%RSD	22.06	98.81	52.52	.1190	1.296	77.13
#1	5.299	2.856	-.8292	4660.	21.19	.0998
#2	4.658	1.169	-1.181	4664.	20.65	.4756
#3	3.374	.1393	-.3555	4671.	20.90	.8137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1952**	**236.1**	**1.247**	**848.7**
Stddev	.5950	.6	.361	17.2
%RSD	304.8	.2710	28.96	2.031
#1	.7571	235.5	1.490	867.8
#2	.2568	236.8	.8324	843.8
#3	-.4282	236.0	1.420	834.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4227.8**	**23086.**	**4270.2**
Stddev	6.6	96.	39.8
%RSD	.15641	.41502	.93257
#1	4225.5	23192.	4315.0
#2	4222.6	23005.	4257.2
#3	4235.2	23062.	4238.6

Sample Name: lcs 460-386470/2-a@2 Acquired: 8/24/2016 12:56:33 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2508.**	**2473.**	**235.2**	**5313.**	**522.8**	**10040.**
Stddev	14.	4.	1.1	1.	2.5	26.
%RSD	.5697	.1706	.4690	.0166	.4851	.2540
#1	2524.	2477.	233.9	5312.	523.6	10030.
#2	2498.	2469.	235.8	5314.	519.9	10020.
#3	2501.	2472.	235.8	5314.	524.8	10070.
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**547.3**	**550.7**	**2584.**	**484.8**	**526.7**	**9703.**
Stddev	.6	.4	4.	.9	10.3	71.
%RSD	.1079	.0728	.1463	.1951	1.950	.7320
#1	546.7	551.1	2584.	484.0	521.0	9765.
#2	547.9	550.3	2589.	485.9	538.6	9626.
#3	547.2	550.7	2581.	484.5	520.5	9719.
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9708.**	**549.8**	**9987.**	**562.2**	**2655.**	**466.8**
Stddev	22.	.8	40.	1.4	9.	1.4
%RSD	.2215	.1531	.3999	.2459	.3276	.3105
#1	9685.	549.0	9957.	562.8	2659.	468.0
#2	9726.	549.8	9971.	563.2	2661.	465.2
#3	9714.	550.6	10030.	560.6	2645.	467.1
Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: lcs 460-386470/2-a@2 Acquired: 8/24/2016 12:56:33 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**515.5**	**565.0**	**251.7**	**571.1**	**503.6**	**508.9**
Stddev	3.4	3.3	1.7	3.0	3.7	4.0
%RSD	.6623	.5910	.6872	.5317	.7281	.7843
#1	512.7	563.3	249.7	568.5	500.6	506.9
#2	514.6	562.9	252.2	570.3	502.4	506.3
#3	519.3	568.9	253.1	574.4	507.7	513.5
Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**538.8**	**519.1**	**505.4**	**74.99**
Stddev	2.3	2.0	.9	8.49
%RSD	.4319	.3781	.1697	11.32
#1	536.1	520.0	505.9	84.59
#2	539.9	516.8	505.9	68.46
#3	540.4	520.4	504.4	71.91
Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4276.2**	**23048.**	**4329.4**
Stddev	1.5	35.	23.3
%RSD	.03550	.15083	.53904
#1	4276.6	23082.	4330.4
#2	4277.4	23012.	4352.2
#3	4274.5	23050.	4305.6

Sample Name: CCV Acquired: 8/24/2016 13:00:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121300.**	**2455.**	**1218.**	**10040.**	**992.0**	**122100.**
Stddev	1073.	11.	4.	5.	10.4	830.
%RSD	.8843	.4396	.3341	.0461	1.051	.6795
#1	120100.	2463.	1214.	10040.	980.3	121300.
#2	121900.	2443.	1222.	10030.	1000.	122900.
#3	122000.	2459.	1217.	10040.	995.7	122100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1242.**	**2456.**	**4973.**	**12140.**	**98430.**	**48230.**
Stddev	.	3.	29.	33.	597.	410.
%RSD	.0339	.1383	.5931	.2680	.6062	.8490
#1	1242.	2458.	4941.	12110.	97790.	47780.
#2	1242.	2452.	4999.	12140.	98970.	48580.
#3	1243.	2457.	4980.	12180.	98530.	48330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121600.**	**5046.**	**122000.**	**2495.**	**7437.**	**974.0**
Stddev	619.	28.	565.	5.	12.	3.8
%RSD	.5088	.5607	.4627	.1849	.1555	.3916
#1	121000.	5016.	121400.	2497.	7438.	978.0
#2	122100.	5072.	122500.	2490.	7425.	970.4
#3	121900.	5049.	122200.	2499.	7449.	973.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 13:00:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2428.**	**2474.**	**2453.**	**2495.**	**980.9**	**2394.**
Stddev	13.	12.	12.	2.	3.6	6.
%RSD	.5185	.4740	.5059	.0815	.3627	.2512
#1	2439.	2477.	2439.	2494.	983.0	2395.
#2	2414.	2462.	2463.	2497.	976.8	2387.
#3	2432.	2485.	2456.	2493.	982.8	2399.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**976.5**	**4965.**	**9906.**	**9527.**
Stddev	1.6	35.	36.	24.
%RSD	.1598	.7131	.3647	.2524
#1	974.9	4927.	9864.	9540.
#2	976.4	4996.	9931.	9542.
#3	978.0	4973.	9921.	9499.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4022.8**	**22276.**	**4169.3**
Stddev	14.3	111.	48.0
%RSD	.35627	.49892	1.1525
#1	4008.3	22327.	4221.1
#2	4023.2	22149.	4160.6
#3	4037.0	22353.	4126.1

Sample Name: CCB Acquired: 8/24/2016 13:03:42 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.963**	**-.4537**	**-.5548**	**-.0266**	**-.1064**	**-30.18**
Stddev	5.001	1.294	.3996	.1549	.1376	6.03
%RSD	71.82	285.2	72.04	583.2	129.4	19.99
#1	12.12	-1.935	-.0939	-.1958	-.1916	-31.75
#2	6.628	.1187	-.8051	.1081	-.1798	-35.28
#3	2.138	.4551	-.7653	.0080	.0524	-23.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0828**	**.0604**	**.2303**	**-.0958**	**.0817**	**17.33**
Stddev	.0815	.0616	.3861	.6881	3.907	10.90
%RSD	98.39	102.0	167.7	718.5	4784.	62.87
#1	.0191	.0550	.5360	-.6321	-4.428	6.421
#2	.0547	.1245	-.2036	-.3354	2.213	17.36
#3	.1746	.0017	.3585	.6801	2.460	28.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.937**	**-.1173**	**64.70**	**-.3834**	**-.1012**	**.4404**
Stddev	4.364	.0901	26.89	.3791	2.139	1.408
%RSD	225.3	76.78	41.56	98.88	2114.	319.7
#1	-3.100	-.0528	94.92	-.2596	-.3506	.1091
#2	4.588	-.0789	55.77	-.0817	-2.105	-.7724
#3	4.322	-.2202	43.41	-.8089	2.152	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 13:03:42 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3469**	**2.041**	**-.5334**	**-.0599**	**2.758**	**.9156**
Stddev	2.157	.761	.6541	.0827	.823	.7435
%RSD	621.9	37.29	122.6	138.0	29.84	81.21
#1	-1.523	1.329	-1.235	.0184	3.708	1.769
#2	-.1429	1.951	.0601	-.1463	2.279	.4053
#3	2.707	2.843	-.4254	-.0518	2.286	.5728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.016**	**.0312**	**.3094**	**17.35**
Stddev	.232	.1105	.0138	3.91
%RSD	22.89	353.9	4.460	22.51
#1	.9754	.0710	.3175	21.51
#2	.8059	-.0937	.3172	16.76
#3	1.266	.1163	.2934	13.77
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.2**	**23106.**	**4298.2**
Stddev	17.0	66.	42.6
%RSD	.38936	.28502	.99091
#1	4338.3	23062.	4252.1
#2	4372.0	23074.	4336.1
#3	4358.5	23182.	4306.4

Sample Name: CCVL Acquired: 8/24/2016 13:07:40 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**191.7**	**13.37**	**8.926**	**191.3**	**1.936**	**4502.**
Stddev	12.4	2.00	.629	.8	.111	68.
%RSD	6.444	14.95	7.044	.4318	5.734	1.500
#1	180.3	11.33	9.424	190.4	2.028	4543.
#2	190.1	13.45	9.134	191.4	1.813	4540.
#3	204.8	15.33	8.220	192.1	1.968	4424.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.956**	**47.59**	**9.115**	**21.13**	**164.5**	**4384.**
Stddev	.136	.22	.222	.37	12.9	23.
%RSD	3.443	.4670	2.435	1.765	7.808	.5350
#1	3.802	47.65	8.968	20.73	167.5	4357.
#2	4.005	47.35	9.370	21.19	175.6	4397.
#3	4.060	47.78	9.006	21.47	150.5	4398.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4238.**	**14.52**	**4527.**	**39.24**	**10.50**	**17.57**
Stddev	21.	.13	43.	.74	.26	.69
%RSD	.4980	.8711	.9488	1.896	2.492	3.930
#1	4235.	14.50	4488.	38.39	10.20	16.78
#2	4260.	14.65	4520.	39.56	10.69	18.06
#3	4218.	14.40	4573.	39.77	10.60	17.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 13:07:40 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.84**	**21.55**	**44.78**	**30.53**	**45.51**	**18.33**
Stddev	2.35	1.08	.60	.36	.23	.34
%RSD	13.19	5.027	1.351	1.178	.5138	1.841
#1	18.29	22.68	44.86	30.18	45.24	18.38
#2	15.29	20.52	45.35	30.90	45.62	17.97
#3	19.92	21.44	44.15	30.49	45.67	18.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.65**	**18.82**	**18.70**	F **22.39**
Stddev	.40	.23	.18	4.85
%RSD	.8201	1.209	.9417	21.68
#1	48.19	18.57	18.67	27.99
#2	48.87	18.88	18.89	19.66
#3	48.89	19.01	18.54	19.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.0**	**23208.**	**4249.2**
Stddev	15.6	323.	55.0
%RSD	.35999	1.3920	1.2947
#1	4321.6	23116.	4306.7
#2	4331.1	22940.	4244.0
#3	4352.1	23567.	4197.0

Sample Name: mb 460-386470/1-a Acquired: 8/24/2016 13:11:36 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.438**	**-1.548**	**-.4116**	**-.1796**	**-.0884**	**-22.54**
Stddev	5.963	.807	.3892	.1322	.0870	11.84
%RSD	134.4	52.13	94.56	73.63	98.47	52.52
#1	9.682	-.7837	.0377	-.3247	-.1636	-27.29
#2	5.679	-1.469	-.6460	-.0661	.0069	-31.26
#3	-2.048	-2.392	-.6264	-.1478	-.1084	-9.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0431**	**-.0615**	**-.1650**	**.5462**	**2.145**	**14.26**
Stddev	.0126	.2570	.3608	.6189	17.28	15.20
%RSD	29.24	417.7	218.7	113.3	805.6	106.6
#1	.0480	.0955	.0377	-.1417	18.31	31.55
#2	.0287	.0780	-.5816	.7226	4.201	3.036
#3	.0524	-.3581	.0489	1.058	-16.07	8.195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.474**	**-.0414**	**35.48**	**.0630**	**1.100**	**-1.370**
Stddev	5.089	.0458	5.18	.3369	1.383	.864
%RSD	113.7	110.6	14.62	535.0	125.7	63.07
#1	6.684	.0108	40.25	-.1293	.8260	-2.068
#2	-1.346	-.0601	36.23	.4519	2.600	-1.639
#3	8.085	-.0749	29.96	-.1337	-.1246	-.4035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386470/1-a Acquired: 8/24/2016 13:11:36 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9232**	**.4688**	**-.5630**	**-.1267**	**.7998**	**.3019**
Stddev	2.409	.9747	.3283	.1010	.2748	.2483
%RSD	260.9	207.9	58.32	79.75	34.36	82.24
#1	-2.529	-.0956	-.9269	-.0127	.9696	.4070
#2	1.847	1.594	-.2891	-.2051	.4827	.0184
#3	-2.087	-.0924	-.4729	-.1622	.9472	.4804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3593**	**-.0623**	**.0923**	**21.04**
Stddev	.4248	.0314	.0460	2.06
%RSD	118.2	50.40	49.82	9.779
#1	.7636	-.0472	.0773	20.25
#2	-.0834	-.0985	.0557	19.50
#3	.3978	-.0414	.1439	23.38
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4354.3**	**23240.**	**4356.4**
Stddev	6.6	92.	19.9
%RSD	.15086	.39652	.45747
#1	4357.0	23247.	4354.2
#2	4346.9	23329.	4377.3
#3	4359.1	23145.	4337.6

Sample Name: 460-118904-b-2-d@5 Acquired: 8/24/2016 13:15:33 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**93.78**	**47.96**	**.1147**	**37.49**	**-.1632**	**233000.**
Stddev	18.44	2.32	.8529	.48	.0205	5202.
%RSD	19.66	4.845	743.3	1.292	12.54	2.233
#1	82.36	45.64	-.4530	37.15	-.1724	227600.
#2	83.93	47.95	-.2984	37.28	-.1774	233400.
#3	115.1	50.29	1.096	38.04	-.1397	237900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**450.5**	**20.74**	**-1.837**	**12000.**	**56.85**	**791.5**
Stddev	1.0	.33	.508	349.	1.82	76.5
%RSD	.2295	1.584	27.64	2.913	3.206	9.670
#1	451.1	20.43	-2.094	11700.	55.55	738.7
#2	449.3	20.71	-2.166	11910.	58.93	756.5
#3	451.0	21.08	-1.252	12380.	56.06	879.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7247.**	**986.2**	F **291900.**	F **6883.**	**220.2**	**5.031**
Stddev	215.	23.2	17330.	39.	3.3	1.610
%RSD	2.966	2.354	5.937	.5712	1.498	32.01
#1	7026.	963.1	283900.	6844.	218.7	6.775
#2	7262.	986.0	280000.	6882.	218.0	4.716
#3	7455.	1010.	311800.	6922.	224.0	3.601
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			250000.	5000.		
Low Limit			-5000.	-50.00		

Sample Name: 460-118904-b-2-d@5 Acquired: 8/24/2016 13:15:33 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.03**	**.0448**	**-1.793**	F **9743.**	**111.3**	**1.266**
Stddev	4.15	1.762	.448	45.	1.4	.291
%RSD	17.25	3928.	24.98	.4630	1.295	23.01
#1	28.66	.9648	-2.032	9692.	111.3	.9305
#2	20.64	-1.986	-1.276	9778.	109.8	1.414
#3	22.80	1.156	-2.070	9758.	112.7	1.454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.065**	**529.7**	**1.951**	**6219.**
Stddev	.807	37.4	.131	221.
%RSD	75.76	7.063	6.715	3.555
#1	.3473	509.4	1.899	6081.
#2	.9092	506.9	2.099	6101.
#3	1.938	572.9	1.853	6474.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4041.7**	**22695.**	**4043.8**
Stddev	11.7	319.	170.8
%RSD	.29008	1.4060	4.2231
#1	4054.3	23056.	4133.3
#2	4039.5	22580.	4151.2
#3	4031.2	22449.	3846.9

Sample Name: 460-118904-b-3-d@5 Acquired: 8/24/2016 13:19:24 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**82.02**	**456.8**	**-.0460**	**37.05**	**-.3687**	**219300.**
Stddev	3.88	3.1	.6242	.28	.0991	765.
%RSD	4.730	.6837	1358.	.7466	26.87	.3486
#1	84.24	460.4	.4854	37.14	-.3303	218800.
#2	77.54	454.7	-.7333	36.74	-.4813	220200.
#3	84.28	455.4	.1100	37.28	-.2946	219000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**759.2**	**32.81**	**-1.553**	**11180.**	**76.88**	**769.4**
Stddev	1.0	.22	.289	8.	7.31	69.1
%RSD	.1269	.6724	18.61	.0756	9.513	8.986
#1	759.9	32.56	-1.223	11190.	70.65	689.8
#2	758.1	32.94	-1.675	11170.	75.06	803.8
#3	759.6	32.95	-1.760	11170.	84.93	814.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4143.**	**513.1**	F **282400.**	F **12230.**	**331.2**	**11.31**
Stddev	50.	.9	1531.	7.	3.4	1.50
%RSD	1.217	.1747	.5422	.0550	1.017	13.26
#1	4090.	512.1	284200.	12230.	330.2	9.845
#2	4191.	513.9	281200.	12220.	328.5	12.84
#3	4148.	513.3	281900.	12230.	335.0	11.23
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			250000.	5000.		
Low Limit			-5000.	-50.00		

Sample Name: 460-118904-b-3-d@5 Acquired: 8/24/2016 13:19:24 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.13**	**-.2965**	**-.8611**	F **7834.**	**77.85**	**1.182**
Stddev	3.06	.9690	.2154	10.	.88	.356
%RSD	25.21	326.8	25.02	.1330	1.125	30.13
#1	15.64	-1.093	-.8476	7833.	78.33	.9317
#2	10.09	.7822	-.6528	7824.	76.84	1.590
#3	10.65	-.5783	-1.083	7845.	78.38	1.025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.029**	**251.6**	**2.089**	**4023.**
Stddev	.299	.6	.358	33.
%RSD	14.72	.2484	17.14	.8184
#1	1.691	252.2	2.127	4006.
#2	2.137	251.5	2.426	4061.
#3	2.258	250.9	1.713	4002.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4031.0**	**22705.**	**4179.4**
Stddev	4.0	57.	51.3
%RSD	.09855	.24931	1.2266
#1	4032.0	22734.	4226.0
#2	4026.7	22640.	4187.7
#3	4034.4	22741.	4124.5

Sample Name: 460-118904-b-4-d@5 Acquired: 8/24/2016 13:23:14 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**109.0**	**90.40**	**-.3806**	**34.08**	**-.0903**	**221200.**
Stddev	5.0	1.13	.0797	.37	.2412	1635.
%RSD	4.565	1.248	20.93	1.084	267.1	.7393
#1	103.3	89.90	-.4622	33.89	.0896	223000.
#2	111.4	91.69	-.3030	34.50	-.3645	220900.
#3	112.4	89.60	-.3764	33.84	.0039	219700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**597.7**	**29.36**	**-2.149**	**11740.**	**58.39**	**800.4**
Stddev	1.4	.24	.172	54.	7.26	48.4
%RSD	.2283	.8115	8.022	.4608	12.44	6.049
#1	599.1	29.10	-1.997	11680.	50.41	746.3
#2	597.8	29.55	-2.113	11760.	64.61	815.2
#3	596.3	29.44	-2.336	11780.	60.15	839.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5326.**	**727.6**	F **276900.**	F **8435.**	**399.5**	**4.437**
Stddev	9.	3.2	2703.	9.	3.9	1.560
%RSD	.1783	.4356	.9761	.1088	.9764	35.16
#1	5316.	730.4	279800.	8434.	396.7	4.979
#2	5335.	728.4	276600.	8445.	404.0	5.653
#3	5327.	724.1	274400.	8427.	397.9	2.678
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			250000.	5000.		
Low Limit			-5000.	-50.00		

Sample Name: 460-118904-b-4-d@5 Acquired: 8/24/2016 13:23:14 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.11**	**-.4056**	**-1.514**	F **9944.**	**131.4**	**1.350**
Stddev	5.63	1.261	.495	39.	1.6	.414
%RSD	34.96	311.0	32.68	.3947	1.217	30.71
#1	22.59	-1.768	-1.053	9988.	130.1	1.195
#2	13.38	-.1693	-2.037	9932.	133.2	1.819
#3	12.37	.7207	-1.454	9913.	130.8	1.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.034**	**374.8**	**1.823**	**5665.**
Stddev	.588	.4	.076	108.
%RSD	56.87	.1142	4.182	1.897
#1	.5296	374.3	1.761	5565.
#2	.8927	375.1	1.799	5651.
#3	1.680	375.0	1.908	5779.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.4**	**23002.**	**4286.3**
Stddev	7.6	151.	53.4
%RSD	.18998	.65819	1.2461
#1	4022.8	22848.	4239.3
#2	4016.1	23006.	4275.3
#3	4031.3	23151.	4344.4

Sample Name: 460-118920-e-1-e@5 Acquired: 8/24/2016 13:27:03 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**71.23**	**.7537**	**.0480**	**74.12**	**.1072**	**14360.**
Stddev	3.63	1.409	.1831	.35	.1035	69.
%RSD	5.103	187.0	381.2	.4789	96.52	.4830
#1	73.56	-.7691	.1943	73.74	.2228	14420.
#2	73.09	1.018	.1070	74.17	.0756	14290.
#3	67.04	2.012	-.1572	74.44	.0232	14380.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4330**	**-.1295**	**.6233**	**18.01**	**31.65**	**556.3**
Stddev	.0246	.2480	.3893	.53	4.67	52.2
%RSD	5.674	191.5	62.46	2.963	14.76	9.386
#1	.4385	-.3075	.8066	17.48	35.22	496.0
#2	.4061	-.2349	.1762	18.55	26.36	586.4
#3	.4543	.1538	.8872	18.02	33.37	586.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**898.3**	**22.55**	F **252300.**	**2.987**	**6.579**	**-.1102**
Stddev	2.7	.17	2007.	.115	1.410	1.011
%RSD	.3052	.7652	.7955	3.854	21.43	916.8
#1	896.0	22.36	254600.	3.108	7.183	-.3405
#2	897.7	22.66	251300.	2.878	7.587	.9958
#3	901.3	22.65	251000.	2.974	4.968	-.9861
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118920-e-1-e@5 Acquired: 8/24/2016 13:27:03 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5527**	**.9607**	**-.6608**	**38.14**	**24.27**	**.3526**
Stddev	4.811	.8048	.4594	.29	.53	.2883
%RSD	870.6	83.77	69.52	.7527	2.186	81.76
#1	-1.774	.4521	-1.081	38.32	24.53	.2585
#2	6.085	1.889	-.7318	37.81	24.62	.1231
#3	-2.654	.5415	-.1701	38.29	23.66	.6762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.718**	**59.46**	**1.619**	**433.8**
Stddev	.450	.34	.125	15.9
%RSD	26.20	.5685	7.691	3.661
#1	2.231	59.07	1.751	420.2
#2	1.391	59.59	1.604	451.2
#3	1.531	59.71	1.503	429.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4167.6**	**23096.**	**4286.4**
Stddev	7.8	114.	46.0
%RSD	.18810	.49382	1.0721
#1	4172.2	23017.	4235.0
#2	4172.1	23227.	4323.5
#3	4158.5	23045.	4300.9

Sample Name: 460-118934-c-1-d@5 Acquired: 8/24/2016 13:30:59 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**103.9**	**-.5982**	**-.4510**	**191.4**	**.0651**	**3182.**
Stddev	4.0	.9749	.1160	.3	.0808	11.
%RSD	3.857	163.0	25.72	.1499	124.2	.3503
#1	104.0	.3951	-.4372	191.1	.1550	3193.
#2	107.9	-.6362	-.5733	191.6	.0417	3170.
#3	99.87	-1.554	-.3426	191.5	-.0015	3182.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.605**	**2.242**	**.1179**	**9.381**	**52.87**	**611.3**
Stddev	.129	.108	.3123	.348	14.72	15.2
%RSD	8.006	4.801	264.8	3.712	27.84	2.484
#1	1.459	2.214	.3919	9.398	69.84	596.0
#2	1.655	2.360	-.2221	9.720	43.60	611.5
#3	1.701	2.150	.1840	9.024	45.17	626.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**334.0**	**328.5**	F **271300.**	**3.315**	**125.6**	**-.3770**
Stddev	9.2	.7	1560.	.538	1.9	.4627
%RSD	2.757	.2019	.5750	16.22	1.516	122.7
#1	337.4	329.2	273100.	2.724	127.8	-.8053
#2	341.0	328.6	270700.	3.444	124.9	-.4394
#3	323.5	327.8	270200.	3.776	124.3	.1137
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118934-c-1-d@5 Acquired: 8/24/2016 13:30:59 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.324**	**2.707**	**-.2947**	**333.1**	**25.10**	**.2552**
Stddev	1.407	2.518	.6051	4.1	.87	.2133
%RSD	60.54	93.02	205.3	1.236	3.458	83.60
#1	2.175	3.531	-.0234	334.9	25.59	.4900
#2	.9974	-.1197	.1273	336.0	24.10	.0733
#3	3.799	4.710	-.9880	328.4	25.61	.2022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.136**	**19.47**	**1.440**	**213.3**
Stddev	.762	.19	.073	6.3
%RSD	67.09	.9611	5.077	2.947
#1	.3134	19.28	1.382	219.3
#2	1.818	19.66	1.522	213.9
#3	1.276	19.47	1.415	206.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4161.1**	**22821.**	**4174.8**
Stddev	4.5	59.	3.3
%RSD	.10846	.26026	.07820
#1	4162.9	22776.	4178.6
#2	4156.0	22800.	4173.1
#3	4164.5	22889.	4172.8

Sample Name: 460-118938-a-3-n@5 Acquired: 8/24/2016 13:34:52 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**82.13**	**.7868**	**-.1688**	**87.93**	**.0273**	**13010.**
Stddev	2.40	.4330	.4847	.24	.1450	21.
%RSD	2.925	55.04	287.1	.2754	530.9	.1631
#1	79.57	.9817	.2734	88.16	-.0682	13030.
#2	84.34	.2905	-.0929	87.68	.1941	12990.
#3	82.49	1.088	-.6870	87.96	-.0440	13000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.451**	**.8010**	**.1947**	**60.83**	**28.34**	**600.8**
Stddev	.060	.0796	.1321	1.11	3.70	10.2
%RSD	2.432	9.939	67.83	1.827	13.05	1.704
#1	2.422	.8898	.2894	59.64	25.35	591.9
#2	2.520	.7773	.0438	61.01	32.48	612.0
#3	2.412	.7359	.2508	61.84	27.20	598.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2017.**	**85.53**	F **271700.**	**7.690**	**15.42**	**-1.291**
Stddev	14.	.66	2141.	.313	1.25	1.010
%RSD	.6910	.7768	.7881	4.065	8.070	78.27
#1	2005.	84.85	274000.	8.004	15.30	-2.032
#2	2012.	85.56	271200.	7.379	14.25	-1.699
#3	2032.	86.18	269800.	7.688	16.73	-.1401
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118938-a-3-n@5 Acquired: 8/24/2016 13:34:52 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2541**	**1.935**	**-.3716**	**164.1**	**30.42**	**.3626**
Stddev	.7078	1.438	.0643	1.0	.32	.0838
%RSD	278.5	74.31	17.29	.6072	1.039	23.12
#1	-.2287	.5078	-.4160	163.0	30.22	.4432
#2	1.067	1.914	-.4010	164.5	30.25	.3687
#3	-.0755	3.383	-.2979	164.9	30.78	.2759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7602**	**70.39**	**1.481**	**783.5**
Stddev	.5142	.66	.030	17.5
%RSD	67.63	.9415	2.051	2.233
#1	1.334	69.63	1.503	766.8
#2	.3408	70.85	1.446	801.7
#3	.6061	70.70	1.494	781.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4163.3**	**23184.**	**4299.5**
Stddev	4.2	84.	26.3
%RSD	.10192	.36272	.61176
#1	4164.6	23120.	4281.3
#2	4166.7	23279.	4329.7
#3	4158.5	23154.	4287.6

Sample Name: 460-118940-e-1-b@5 Acquired: 8/24/2016 13:38:47 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.50**	**.3274**	**-.5433**	**29.88**	**-.0923**	**11140.**
Stddev	9.48	.8974	.4282	.22	.1107	45.
%RSD	70.24	274.1	78.81	.7335	120.0	.4013
#1	10.97	-.2617	-.2709	29.78	-.2198	11090.
#2	5.542	-.1162	-1.037	29.72	-.0374	11170.
#3	23.99	1.360	-.3221	30.13	-.0198	11160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0518**	**.2495**	**.1640**	**-.2295**	**8997.**	**851.5**
Stddev	.0564	.0840	.2244	.4366	122.	38.7
%RSD	108.8	33.65	136.9	190.2	1.357	4.548
#1	-.0642	.2288	-.0886	-.4398	8864.	879.3
#2	.0097	.1779	.2399	-.5212	9022.	807.3
#3	-.1011	.3419	.3406	.2725	9105.	868.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**811.4**	**186.0**	**9938.**	**.4231**	**2.778**	**-.9411**
Stddev	11.5	1.8	22.	.1863	1.199	.0864
%RSD	1.413	.9547	.2256	44.04	43.15	9.178
#1	803.7	184.5	9959.	.3029	3.325	-1.005
#2	805.9	185.7	9941.	.6377	1.404	-.8429
#3	824.6	188.0	9915.	.3286	3.607	-.9755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118940-e-1-b@5 Acquired: 8/24/2016 13:38:47 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.429**	**1.408**	**-.3608**	**8.977**	**18.12**	**.2106**
Stddev	2.520	1.809	.4587	.130	.22	.2022
%RSD	176.3	128.4	127.1	1.450	1.209	95.98
#1	-.4676	3.245	-.0831	8.829	18.16	.3904
#2	-4.288	1.351	-.8903	9.031	18.32	.2498
#3	.4676	-.3712	-.1090	9.072	17.88	-.0083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8630**	**86.84**	**.7607**	**223.9**
Stddev	.3811	1.17	.1872	17.9
%RSD	44.16	1.353	24.61	8.008
#1	.4322	85.84	.9018	210.1
#2	1.156	86.56	.5484	244.2
#3	1.001	88.14	.8319	217.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4311.6**	**23072.**	**4269.9**
Stddev	14.0	19.	54.9
%RSD	.32529	.08062	1.2861
#1	4317.1	23092.	4331.2
#2	4295.7	23055.	4253.1
#3	4322.1	23069.	4225.3

Sample Name: 460-118942-b-1-e@5 Acquired: 8/24/2016 13:42:41 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**81.07**	**1.709**	**-.5114**	**89.77**	**.0028**	**15000.**
Stddev	6.42	1.957	.2997	.41	.1330	105.
%RSD	7.924	114.5	58.60	.4589	4711.	.7006
#1	80.11	3.717	-.2066	89.33	.0378	15060.
#2	75.17	1.601	-.8057	89.86	.1149	15060.
#3	87.91	-.1916	-.5219	90.14	-.1442	14880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4988**	**11.15**	**.6564**	**5.631**	**164.0**	**4482.**
Stddev	.0219	.10	.5150	.478	5.7	83.
%RSD	4.395	.8619	78.45	8.497	3.484	1.846
#1	.5184	11.25	.1413	5.079	170.4	4393.
#2	.4751	11.06	.6567	5.888	162.4	4496.
#3	.5029	11.14	1.171	5.926	159.3	4556.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3270.**	**242.8**	F **262500.**	**24.86**	**5.375**	**-2.375**
Stddev	11.	.5	3082.	.39	.842	1.167
%RSD	.3259	.1973	1.174	1.580	15.66	49.13
#1	3260.	242.2	265500.	24.65	6.312	-1.402
#2	3281.	242.9	262800.	25.31	4.685	-2.053
#3	3269.	243.2	259300.	24.62	5.127	-3.668
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118942-b-1-e@5 Acquired: 8/24/2016 13:42:41 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.294**	**.4440**	**-.3020**	**57.12**	**23.27**	**.3968**
Stddev	4.342	2.160	.3420	.26	.34	.1556
%RSD	189.3	486.5	113.2	.4558	1.440	39.21
#1	6.848	2.855	-.0395	57.39	23.27	.5635
#2	-1.800	-.2090	-.1779	57.09	23.61	.3716
#3	1.834	-1.314	-.6887	56.87	22.94	.2554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7763**	**172.4**	**1.779**	**1355.**
Stddev	.4822	.1	.302	23.
%RSD	62.12	.0441	16.99	1.720
#1	1.113	172.4	1.478	1337.
#2	.2240	172.4	2.082	1346.
#3	.9915	172.5	1.776	1381.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4156.0**	**22927.**	**4265.0**
Stddev	5.0	205.	74.5
%RSD	.12076	.89402	1.7468
#1	4150.8	22823.	4226.9
#2	4160.8	22795.	4217.3
#3	4156.4	23163.	4350.9

Sample Name: 460-118942-b-2-e@5 Acquired: 8/24/2016 13:46:35 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**66.43**	**23.89**	**-.4347**	**101.8**	**.1152**	**14670.**
Stddev	1.89	1.16	.4128	.0	.1287	121.
%RSD	2.842	4.865	94.96	.0417	111.7	.8263
#1	64.50	22.60	-.6377	101.8	.0880	14790.
#2	68.27	24.22	-.7066	101.9	.2553	14550.
#3	66.53	24.85	.0403	101.9	.0022	14670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4256**	**4.902**	**.9155**	**4.487**	**66.34**	**5692.**
Stddev	.0730	.123	.4085	.363	12.77	48.
%RSD	17.16	2.509	44.63	8.101	19.24	.8355
#1	.4674	4.818	.7059	4.107	59.83	5639.
#2	.3413	4.845	1.386	4.831	81.05	5705.
#3	.4682	5.043	.6543	4.522	58.15	5732.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4908.**	**575.4**	F **259400.**	**10.40**	**12.33**	**1.553**
Stddev	38.	1.9	1885.	.41	.85	1.010
%RSD	.7700	.3256	.7264	3.955	6.889	65.05
#1	4880.	577.1	261500.	9.934	12.41	2.656
#2	4893.	573.4	259200.	10.70	13.13	1.332
#3	4951.	575.6	257700.	10.57	11.44	.6721
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118942-b-2-e@5 Acquired: 8/24/2016 13:46:35 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5794**	**-2.312**	**-.4778**	**28.90**	**94.71**	**.3928**
Stddev	3.208	2.519	.5372	.28	.75	.1779
%RSD	553.7	109.0	112.4	.9624	.7914	45.30
#1	3.850	-.3881	.0719	29.07	94.31	.4038
#2	.4496	-5.164	-.5037	28.58	95.57	.5650
#3	-2.562	-1.384	-1.001	29.04	94.24	.2096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7730**	**329.3**	**1.741**	**1886.**
Stddev	.2961	.7	1.121	6.
%RSD	38.31	.2069	64.40	.3028
#1	.6862	330.0	1.360	1886.
#2	.5300	329.4	.8597	1880.
#3	1.103	328.6	3.003	1891.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4167.6**	**23123.**	**4237.8**
Stddev	8.3	88.	18.1
%RSD	.19967	.38126	.42793
#1	4163.0	23021.	4254.2
#2	4162.5	23177.	4218.3
#3	4177.2	23170.	4240.9

Sample Name: CCV Acquired: 8/24/2016 13:50:30 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119900.**	**2449.**	**1207.**	**9946.**	**981.2**	**120200.**
Stddev	1392.	10.	3.	20.	12.0	652.
%RSD	1.161	.3888	.2854	.2010	1.219	.5427
#1	118300.	2441.	1203.	9924.	967.5	119400.
#2	120600.	2446.	1208.	9962.	989.7	120600.
#3	120800.	2459.	1209.	9951.	986.4	120500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1229.**	**2441.**	**4915.**	**12110.**	**97240.**	**47750.**
Stddev	3.	6.	27.	71.	638.	581.
%RSD	.2407	.2580	.5495	.5895	.6559	1.216
#1	1226.	2435.	4884.	12030.	96500.	47090.
#2	1231.	2447.	4928.	12150.	97680.	48000.
#3	1230.	2442.	4933.	12160.	97520.	48170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120300.**	**4973.**	**118900.**	**2480.**	**7396.**	**975.1**
Stddev	706.	29.	1396.	8.	26.	2.4
%RSD	.5865	.5736	1.174	.3276	.3564	.2460
#1	119500.	4940.	117300.	2471.	7368.	975.3
#2	120800.	4989.	119500.	2487.	7420.	972.6
#3	120700.	4990.	119800.	2482.	7400.	977.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 13:50:30 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2424.**	**2466.**	**2434.**	**2464.**	**979.3**	**2373.**
Stddev	3.	13.	13.	10.	4.4	11.
%RSD	.1374	.5233	.5516	.4241	.4466	.4842
#1	2428.	2455.	2419.	2453.	974.6	2359.
#2	2425.	2480.	2444.	2473.	980.1	2380.
#3	2421.	2463.	2441.	2466.	983.2	2379.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**970.3**	**4929.**	**9870.**	**9649.**
Stddev	4.2	52.	51.	105.
%RSD	.4344	1.062	.5196	1.091
#1	965.6	4869.	9810.	9547.
#2	971.7	4954.	9898.	9642.
#3	973.7	4964.	9901.	9757.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4032.6**	**22503.**	**4247.4**
Stddev	5.7	35.	15.0
%RSD	.14018	.15560	.35265
#1	4034.3	22533.	4254.6
#2	4026.4	22465.	4230.2
#3	4037.3	22510.	4257.5

Sample Name: CCB Acquired: 8/24/2016 13:54:02 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.833**	**.2903**	**-.3700**	**.0155**	**.0075**	**-24.18**
Stddev	17.27	.7286	.3893	.1257	.2619	6.82
%RSD	175.7	250.9	105.2	809.5	3511.	28.22
#1	29.72	-.1819	-.4590	-.1277	-.2913	-20.41
#2	1.277	1.129	.0561	.0664	.1972	-20.08
#3	-1.494	-.0765	-.7071	.1078	.1165	-32.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0257**	**.0307**	**-.5490**	**-.0249**	**6.919**	**22.15**
Stddev	.1169	.0567	.1273	.5592	7.892	46.47
%RSD	455.1	185.1	23.19	2249.	114.1	209.8
#1	-.0867	-.0267	-.4603	-.4567	7.653	65.95
#2	.1466	.0319	-.6949	.6069	14.42	-26.59
#3	.0172	.0868	-.4917	-.2248	-1.314	27.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.268**	**-.1214**	**117.7**	**.3932**	**1.293**	**.1618**
Stddev	4.423	.0130	24.0	.2017	1.145	.6877
%RSD	135.4	10.72	20.43	51.30	88.56	425.1
#1	7.003	-.1078	145.4	.6089	2.451	-.4982
#2	-1.616	-.1337	103.1	.3613	.1607	.8742
#3	4.416	-.1228	104.6	.2093	1.268	.1093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 13:54:02 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3137**	**1.998**	**-.8940**	**-.0723**	**1.954**	**.9450**
Stddev	1.599	3.610	.1245	.1648	.737	.6054
%RSD	509.6	180.6	13.93	228.0	37.71	64.06
#1	.6579	1.370	-1.024	.0906	2.788	1.640
#2	1.712	-1.256	-.7759	-.2390	1.686	.5360
#3	-1.429	5.881	-.8820	-.0684	1.389	.6585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7116**	**.0008**	**.1893**	**19.92**
Stddev	.3043	.1258	.1414	8.06
%RSD	42.76	16000.	74.73	40.46
#1	.6784	.1270	.1070	14.99
#2	1.031	-.1246	.1082	29.22
#3	.4253	-.0000	.3526	15.55
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4341.1**	**22841.**	**4228.9**
Stddev	3.0	63.	19.0
%RSD	.06860	.27521	.44906
#1	4341.8	22910.	4207.2
#2	4337.8	22829.	4237.7
#3	4343.7	22786.	4242.0

Sample Name: CCVL Acquired: 8/24/2016 13:58:00 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**192.4**	**13.16**	**8.305**	**191.2**	**1.809**	**4530.**
Stddev	4.2	2.57	.182	.7	.103	28.
%RSD	2.187	19.56	2.195	.3916	5.703	.6240
#1	193.3	16.13	8.463	190.5	1.761	4520.
#2	187.9	11.80	8.106	191.1	1.928	4562.
#3	196.2	11.55	8.347	192.0	1.739	4509.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.905**	**47.61**	**9.267**	**21.22**	**159.9**	**4373.**
Stddev	.125	.36	.672	.66	9.0	88.
%RSD	3.204	.7531	7.254	3.109	5.627	2.014
#1	3.913	47.22	9.340	20.56	150.9	4277.
#2	3.776	47.93	8.561	21.22	159.8	4394.
#3	4.026	47.69	9.900	21.88	168.9	4449.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4262.**	**14.37**	**4542.**	**39.29**	**11.16**	**16.81**
Stddev	30.	.26	35.	.83	1.44	1.87
%RSD	.7151	1.803	.7775	2.104	12.92	11.09
#1	4227.	14.12	4501.	38.94	12.56	14.69
#2	4279.	14.64	4559.	40.24	11.23	17.54
#3	4280.	14.35	4566.	38.70	9.680	18.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 13:58:00 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.90**	**21.34**	**45.43**	**30.54**	**45.37**	**18.56**
Stddev	3.91	1.75	.45	.15	.46	.21
%RSD	21.85	8.190	.9839	.4946	1.015	1.110
#1	18.29	19.59	44.97	30.38	45.27	18.47
#2	13.81	23.08	45.86	30.58	44.97	18.79
#3	21.60	21.34	45.46	30.68	45.87	18.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.29**	**18.78**	**18.53**	F **23.81**
Stddev	.68	.15	.19	14.29
%RSD	1.415	.8215	1.033	60.02
#1	47.64	18.61	18.36	9.064
#2	48.24	18.90	18.48	37.60
#3	49.00	18.83	18.73	24.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4331.9**	**23048.**	**4302.6**
Stddev	7.1	118.	9.9
%RSD	.16411	.51359	.23060
#1	4340.0	23091.	4312.9
#2	4329.2	22914.	4301.8
#3	4326.6	23138.	4293.1

Sample Name: lb 460-386104/1-h@5 Acquired: 8/24/2016 14:01:55 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.919**	**.9219**	**-.1781**	**.1313**	**-.1134**	**-32.57**
Stddev	11.82	1.662	.3680	.2934	.0423	11.42
%RSD	615.9	180.3	206.7	223.5	37.35	35.07
#1	5.424	1.035	-.5858	.4670	-.1286	-29.99
#2	-15.55	2.525	-.0775	.0033	-.1460	-22.67
#3	4.371	-.7939	.1292	-.0764	-.0655	-45.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0651**	**-.2844**	**.3188**	**.5973**	**12.78**	**106.6**
Stddev	.1228	.1183	.9342	.0500	13.53	13.0
%RSD	188.6	41.62	293.0	8.364	105.9	12.19
#1	.2069	-.4151	-.3452	.5399	22.25	107.8
#2	-.0087	-.2535	1.387	.6309	18.81	119.0
#3	-.0028	-.1845	-.0855	.6211	-2.717	93.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.888**	**-.1036**	F **286100.**	**1.865**	**2.492**	**-.5627**
Stddev	6.169	.0251	3194.	.242	.595	1.553
%RSD	213.6	24.21	1.117	13.00	23.87	276.0
#1	5.258	-.1191	283000.	1.797	2.400	1.198
#2	-4.114	-.1169	285800.	2.135	1.948	-1.737
#3	7.520	-.0746	289400.	1.664	3.127	-1.149
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-386104/1-h@5 Acquired: 8/24/2016 14:01:55 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8203**	**-.2088**	**-.5017**	**.1370**	**3.158**	**.3903**
Stddev	4.085	1.793	.3114	.1143	.311	.1626
%RSD	497.9	859.0	62.06	83.44	9.861	41.66
#1	-3.889	1.858	-.3313	.1479	3.116	.3489
#2	2.947	-1.136	-.8611	.0176	2.870	.2524
#3	3.403	-1.349	-.3128	.2455	3.488	.5696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.132**	**-.0967**	**-.0371**	**31.48**
Stddev	.289	.0494	.1555	1.20
%RSD	25.51	51.15	419.2	3.798
#1	1.018	-.1022	-.0186	32.49
#2	1.461	-.0447	-.2010	30.16
#3	.9177	-.1431	.1083	31.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4169.7**	**23077.**	**4283.5**
Stddev	7.1	58.	33.5
%RSD	.17001	.24994	.78307
#1	4174.5	23133.	4321.3
#2	4173.1	23018.	4257.5
#3	4161.6	23080.	4271.6

Sample Name: 460-118847-d-1-b@5 Acquired: 8/24/2016 14:05:52 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**257.0**	**2.494**	**-.2965**	**313.5**	**-.0669**	**2867.**
Stddev	11.1	1.740	.1461	1.1	.2107	7.
%RSD	4.317	69.76	49.29	.3607	314.9	.2578
#1	247.3	4.386	-.1323	312.8	-.3017	2859.
#2	254.6	2.135	-.4124	314.8	-.0049	2868.
#3	269.1	.9619	-.3446	312.8	.1058	2874.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4101**	**-.2266**	**1.660**	**7.302**	**252.2**	**462.1**
Stddev	.1130	.1161	.328	.751	9.2	13.8
%RSD	27.56	51.22	19.76	10.28	3.648	2.985
#1	.3999	-.1027	1.904	6.438	254.2	449.7
#2	.3025	-.2444	1.287	7.798	260.2	459.6
#3	.5278	-.3328	1.789	7.669	242.1	476.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**385.8**	**10.52**	F **272500.**	**1.556**	**68.35**	**-.3893**
Stddev	8.5	.09	2088.	.381	.81	.9967
%RSD	2.197	.8618	.7663	24.45	1.192	256.0
#1	376.0	10.42	274900.	1.230	67.43	.3971
#2	390.2	10.52	271200.	1.974	68.97	-1.510
#3	391.1	10.60	271300.	1.465	68.65	-.0547
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118847-d-1-b@5 Acquired: 8/24/2016 14:05:52 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9808**	**-.1504**	**.3558**	**57.26**	**31.52**	**.4563**
Stddev	2.885	1.033	.7607	.28	.30	.1872
%RSD	294.1	686.9	213.8	.4880	.9504	41.02
#1	2.216	-1.201	1.116	57.03	31.47	.6696
#2	-3.388	.8645	-.4053	57.19	31.84	.3194
#3	-1.771	-.1150	.3566	57.57	31.24	.3800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.441**	**27.27**	**9.490**	**321.9**
Stddev	.942	.17	.581	11.4
%RSD	65.33	.6390	6.125	3.553
#1	2.525	27.08	9.068	328.8
#2	.8294	27.41	10.15	328.2
#3	.9687	27.34	9.249	308.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4154.4**	**22885.**	**4196.1**
Stddev	7.5	19.	8.5
%RSD	.18168	.08104	.20169
#1	4162.2	22904.	4197.9
#2	4147.2	22884.	4203.6
#3	4153.8	22867.	4186.9

Sample Name: 460-118847-d-2-d@5 Acquired: 8/24/2016 14:09:46 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**148.2**	**9.932**	**-.5229**	**138.2**	**-.0845**	**11090.**
Stddev	5.8	2.248	.5948	.7	.1388	47.
%RSD	3.941	22.64	113.7	.5036	164.2	.4242
#1	147.4	10.43	.1211	138.1	.0458	11040.
#2	154.4	11.89	-.6382	139.0	-.0689	11140.
#3	142.8	7.477	-1.052	137.7	-.2304	11090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.084**	**.0768**	**2.050**	**8.870**	**146.3**	**641.2**
Stddev	.073	.0856	.204	.699	7.0	26.5
%RSD	6.695	111.5	9.944	7.876	4.812	4.130
#1	1.001	.1701	1.821	8.213	138.6	610.7
#2	1.129	.0583	2.210	8.793	152.4	655.9
#3	1.124	.0019	2.121	9.604	148.0	657.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1932.**	**72.27**	F **260200.**	**4.040**	**36.82**	**-.1050**
Stddev	13.	.47	1461.	.819	.81	.5344
%RSD	.6490	.6525	.5615	20.27	2.208	508.8
#1	1917.	71.75	261900.	3.096	36.54	.4417
#2	1938.	72.67	259500.	4.558	37.74	-.1306
#3	1940.	72.38	259300.	4.465	36.19	-.6262
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118847-d-2-d@5 Acquired: 8/24/2016 14:09:46 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.993**	**.3785**	**-.2924**	**307.5**	**27.33**	**.5870**
Stddev	.246	1.929	.1865	.6	.51	.2632
%RSD	12.35	509.6	63.78	.2000	1.864	44.84
#1	1.801	2.494	-.3981	306.8	26.94	.3811
#2	1.908	-1.282	-.0771	307.8	27.13	.8836
#3	2.270	-.0764	-.4021	307.9	27.90	.4964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.034**	**70.24**	**6.161**	**345.1**
Stddev	.525	.32	.122	13.4
%RSD	50.76	.4502	1.986	3.888
#1	.4282	69.88	6.104	356.4
#2	1.324	70.48	6.078	330.3
#3	1.350	70.35	6.302	348.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4158.5**	**22988.**	**4254.3**
Stddev	9.9	107.	20.2
%RSD	.23714	.46336	.47382
#1	4169.6	23110.	4267.8
#2	4155.1	22913.	4231.2
#3	4150.9	22941.	4264.0

Sample Name: 460-118847-d-3-b@5 Acquired: 8/24/2016 14:13:39 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**290.4**	**-.0440**	**-.3447**	**122.7**	**-.0895**	**6710.**
Stddev	8.9	.5981	.5802	.5	.1510	55.
%RSD	3.080	1360.	168.3	.4213	168.6	.8246
#1	280.4	.1543	-.6039	122.3	-.2385	6659.
#2	293.4	.4298	.3199	122.5	-.0935	6700.
#3	297.5	-.7161	-.7501	123.2	.0634	6769.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.562**	**-.0618**	**2.315**	**11.96**	**260.7**	**399.5**
Stddev	.117	.0589	.638	.91	1.3	45.1
%RSD	7.496	95.27	27.56	7.618	.5015	11.29
#1	1.670	-.0066	2.959	10.98	260.0	349.0
#2	1.437	-.1238	2.303	12.77	259.9	413.6
#3	1.580	-.0550	1.683	12.12	262.2	435.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**437.5**	**26.34**	F **276000.**	**2.805**	**38.15**	**-.2059**
Stddev	6.0	.39	956.	.703	.45	.7146
%RSD	1.378	1.484	.3462	25.06	1.172	347.0
#1	433.2	25.93	276000.	2.412	37.86	.5390
#2	434.8	26.38	275100.	3.617	37.93	-.8858
#3	444.4	26.71	277000.	2.387	38.67	-.2709
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118847-d-3-b@5 Acquired: 8/24/2016 14:13:39 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.199**	**1.382**	**1.133**	**333.1**	**27.10**	**.3655**
Stddev	1.199	2.886	.402	2.5	.14	.3909
%RSD	99.97	208.9	35.46	.7461	.5003	107.0
#1	-1.190	.4671	1.528	331.5	26.96	.3532
#2	-.0054	-.9363	.7254	331.8	27.11	.7624
#3	-2.403	4.614	1.144	335.9	27.23	-.0192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.245**	**42.89**	**11.52**	**339.3**
Stddev	.564	.39	.52	16.7
%RSD	25.12	.9174	4.510	4.931
#1	1.663	42.44	11.81	322.0
#2	2.790	43.19	10.92	340.5
#3	2.282	43.04	11.83	355.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4173.6**	**23147.**	**4338.8**
Stddev	10.7	104.	58.3
%RSD	.25676	.44886	1.3441
#1	4182.0	23267.	4388.1
#2	4161.5	23097.	4353.9
#3	4177.1	23078.	4274.5

Sample Name: 460-118847-d-4-c@5 Acquired: 8/24/2016 14:17:34 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**73.20**	**12.32**	**-.1760**	**227.7**	**-.1250**	**2007.**
Stddev	5.01	.98	.1270	.7	.0065	18.
%RSD	6.839	7.990	72.19	.2936	5.191	.9018
#1	77.04	13.42	-.3202	228.0	-.1305	1989.
#2	67.54	12.05	-.0809	228.2	-.1178	2026.
#3	75.02	11.51	-.1268	227.0	-.1266	2007.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9258**	**-.2551**	**1.389**	**4.814**	**64.75**	**347.2**
Stddev	.1201	.0760	.240	.470	6.20	30.0
%RSD	12.97	29.81	17.27	9.762	9.576	8.638
#1	.8777	-.2094	1.120	4.605	71.91	324.5
#2	1.062	-.2130	1.580	4.486	61.21	336.0
#3	.8372	-.3429	1.468	5.353	61.14	381.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**259.7**	**16.79**	F **279600.**	**9.909**	**76.56**	**1.106**
Stddev	.9	.15	1184.	.244	1.28	1.379
%RSD	.3570	.9162	.4235	2.458	1.667	124.7
#1	260.6	16.66	280500.	10.14	75.32	-.0091
#2	259.7	16.76	280000.	9.658	77.87	2.649
#3	258.8	16.96	278200.	9.924	76.50	.6784
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118847-d-4-c@5 Acquired: 8/24/2016 14:17:34 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5354**	**.9083**	**.1373**	**167.7**	**21.85**	**.2402**
Stddev	1.668	.1511	.5765	1.2	.33	.4081
%RSD	311.5	16.64	419.8	.7271	1.516	169.9
#1	.1679	.9461	-.5022	166.5	21.78	.2210
#2	-.9183	1.037	.2969	168.9	22.22	.6576
#3	2.357	.7419	.6173	167.6	21.57	-.1579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.569**	**17.05**	**2.509**	**170.7**
Stddev	.236	.26	.219	25.1
%RSD	15.04	1.501	8.730	14.69
#1	1.331	16.76	2.256	199.5
#2	1.803	17.24	2.636	158.3
#3	1.571	17.16	2.633	154.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4146.1**	**22950.**	**4239.8**
Stddev	15.2	203.	37.1
%RSD	.36684	.88426	.87482
#1	4145.0	23138.	4279.6
#2	4131.5	22735.	4233.6
#3	4161.9	22977.	4206.2

Sample Name: 460-118847-d-5-b@5 Acquired: 8/24/2016 14:21:28 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**301.0**	**3.723**	**-.2516**	**141.5**	**-.2032**	**5183.**
Stddev	3.6	.318	.2559	.2	.1293	44.
%RSD	1.212	8.532	101.7	.1660	63.60	.8429
#1	301.2	3.635	-.0146	141.3	-.0548	5205.
#2	304.6	4.076	-.2170	141.5	-.2637	5212.
#3	297.3	3.459	-.5230	141.8	-.2912	5133.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9086**	**-.1820**	**1.129**	**5.494**	**269.7**	**316.8**
Stddev	.1648	.0608	.565	.643	8.1	39.7
%RSD	18.13	33.42	50.08	11.70	2.998	12.52
#1	.7557	-.1236	.9516	4.755	260.9	271.0
#2	.8870	-.1774	.6736	5.807	276.8	341.6
#3	1.083	-.2450	1.762	5.921	271.4	337.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**559.4**	**18.85**	**246000.**	**1.648**	**35.62**	**-.1900**
Stddev	4.0	.09	951.	.623	.12	1.096
%RSD	.7218	.4854	.3866	37.77	.3436	576.7
#1	559.1	18.79	247100.	2.103	35.71	.8643
#2	563.5	18.81	245600.	.9389	35.66	-.1116
#3	555.5	18.96	245400.	1.902	35.48	-1.323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118847-d-5-b@5 Acquired: 8/24/2016 14:21:28 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3312**	**2.824**	**.6273**	**194.8**	**32.06**	**.3957**
Stddev	4.562	1.063	.6590	.1	.09	.3432
%RSD	1377.	37.65	105.1	.0565	.2961	86.73
#1	4.321	3.934	1.141	194.8	31.98	.0735
#2	1.315	2.722	.8572	194.8	32.03	.7567
#3	-4.642	1.815	-.1158	195.0	32.16	.3571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9115**	**21.41**	**10.45**	**465.8**
Stddev	.6585	.16	.18	14.9
%RSD	72.25	.7594	1.768	3.196
#1	1.512	21.23	10.40	449.0
#2	.2073	21.47	10.29	471.1
#3	1.015	21.53	10.65	477.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4170.7**	**23136.**	**4310.4**
Stddev	1.2	72.	24.8
%RSD	.02812	.30926	.57551
#1	4172.1	23088.	4290.1
#2	4169.9	23102.	4302.9
#3	4170.2	23219.	4338.0

Sample Name: 460-118847-d-6-e@5 Acquired: 8/24/2016 14:25:22 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**74.66**	**2.429**	**-.0635**	**247.4**	**-.0484**	**29070.**
Stddev	6.77	1.214	.3113	1.4	.0119	46.
%RSD	9.070	49.97	490.4	.5630	24.64	.1589
#1	78.04	3.802	-.1070	246.0	-.0603	29120.
#2	66.86	1.984	-.3508	248.8	-.0483	29020.
#3	79.07	1.500	.2673	247.4	-.0365	29060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.323**	**-.0381**	**.7343**	**5.385**	**43.21**	**337.9**
Stddev	.103	.0410	.7667	.704	2.89	8.7
%RSD	4.433	107.8	104.4	13.07	6.697	2.564
#1	2.324	-.0338	-.0779	4.706	44.16	347.0
#2	2.426	.0006	.8353	5.338	45.51	329.8
#3	2.220	-.0811	1.445	6.111	39.96	336.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**946.8**	**20.95**	F **267100.**	**2.280**	**332.5**	**-1.056**
Stddev	8.9	.29	1508.	.079	3.3	.752
%RSD	.9432	1.363	.5645	3.443	1.006	71.27
#1	940.5	20.86	268900.	2.364	328.9	-1.188
#2	942.8	20.72	266100.	2.266	333.0	-.2461
#3	957.0	21.27	266400.	2.209	335.5	-1.734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118847-d-6-e@5 Acquired: 8/24/2016 14:25:22 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7435**	**.0013**	**-.4125**	**520.5**	**25.92**	**-.0219**
Stddev	3.486	1.378	.0063	3.3	.51	.0737
%RSD	468.8	104400.	1.535	.6267	1.959	336.1
#1	-.1716	.3290	-.4172	518.4	25.34	.0270
#2	-4.480	1.186	-.4150	519.0	26.10	-.1067
#3	2.421	-1.511	-.4053	524.3	26.31	.0139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.503**	**200.1**	**2.016**	**250.5**
Stddev	.581	.6	.158	10.9
%RSD	38.64	.2966	7.830	4.341
#1	1.348	199.7	2.193	250.8
#2	2.146	199.8	1.965	261.2
#3	1.016	200.8	1.890	239.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4126.8**	**23081.**	**4299.0**
Stddev	9.2	9.	29.9
%RSD	.22319	.03958	.69467
#1	4134.0	23071.	4264.6
#2	4116.4	23089.	4317.2
#3	4130.0	23081.	4315.4

Sample Name: 460-118847-d-7-e@5 Acquired: 8/24/2016 14:29:16 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**72.09**	**1.832**	**-.4080**	**221.6**	**.0197**	**13720.**
Stddev	8.81	.873	.2978	.4	.1104	147.
%RSD	12.22	47.66	73.00	.1772	561.5	1.070
#1	82.08	2.620	-.3042	222.1	.0619	13560.
#2	65.43	1.982	-.1759	221.4	.1027	13850.
#3	68.75	.8935	-.7439	221.4	-.1056	13730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.750**	**21.56**	**1.440**	**8.028**	**53.55**	**405.4**
Stddev	.172	.16	.549	.773	7.73	29.4
%RSD	9.813	.7594	38.15	9.631	14.44	7.262
#1	1.746	21.50	1.578	7.135	45.07	424.6
#2	1.580	21.43	.8347	8.482	60.21	371.5
#3	1.923	21.74	1.907	8.467	55.37	420.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**385.3**	**36.37**	F **270900.**	**13.15**	**116.3**	**-.8287**
Stddev	14.5	.50	968.	.64	1.2	1.503
%RSD	3.777	1.370	.3575	4.859	1.027	181.3
#1	368.6	35.79	272000.	12.44	115.4	-1.792
#2	392.2	36.62	270600.	13.68	115.8	.9028
#3	395.2	36.69	270100.	13.33	117.6	-1.597
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118847-d-7-e@5 Acquired: 8/24/2016 14:29:16 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.466**	**1.743**	**-.3488**	**427.2**	**85.65**	**.0719**
Stddev	3.007	.744	.5391	2.7	.35	.1691
%RSD	86.77	42.67	154.6	.6280	.4089	235.3
#1	4.421	1.429	-.2959	424.3	85.25	.2671
#2	5.879	1.208	.1620	427.4	85.77	-.0306
#3	.0970	2.592	-.9124	429.7	85.92	-.0209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.223**	**32.47**	**1.094**	**390.0**
Stddev	.242	.14	.163	8.3
%RSD	10.89	.4338	14.91	2.116
#1	2.494	32.36	.9069	386.7
#2	2.026	32.63	1.169	384.0
#3	2.150	32.43	1.206	399.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4137.5**	**23047.**	**4268.6**
Stddev	9.6	185.	42.4
%RSD	.23318	.80445	.99437
#1	4148.1	23246.	4283.4
#2	4129.2	23017.	4301.6
#3	4135.3	22879.	4220.7

Sample Name: 460-118847-d-8-e@5 Acquired: 8/24/2016 14:33:09 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**215.3**	**2.302**	**-.3796**	**125.8**	**-.0807**	**420.3**
Stddev	1.2	1.092	.6035	.6	.0434	7.0
%RSD	.5615	47.43	159.0	.4782	53.76	1.661
#1	213.9	3.524	-.3811	125.1	-.0424	428.2
#2	216.1	1.424	.2246	126.2	-.1277	417.7
#3	215.9	1.957	-.9825	126.2	-.0718	415.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3264**	**-.0888**	**.4387**	**1.818**	**133.9**	**386.4**
Stddev	.1389	.1738	.5057	.306	3.7	22.1
%RSD	42.53	195.7	115.3	16.82	2.759	5.728
#1	.4277	-.0253	.9397	1.619	135.4	361.4
#2	.1682	-.2854	.4480	2.170	129.7	403.6
#3	.3834	.0443	-.0715	1.664	136.6	394.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124.3**	**5.252**	F **280400.**	**1.876**	**42.83**	**-1.342**
Stddev	2.4	.089	1838.	.290	.75	1.336
%RSD	1.896	1.705	.6556	15.45	1.763	99.59
#1	124.7	5.297	282100.	1.545	42.43	-1.054
#2	126.4	5.310	280600.	2.082	42.36	-2.798
#3	121.7	5.149	278400.	2.002	43.70	-.1725
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118847-d-8-e@5 Acquired: 8/24/2016 14:33:09 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1500**	**-.4008**	**-.2085**	**26.46**	**26.04**	**.3219**
Stddev	2.448	1.092	.2709	.35	.27	.1451
%RSD	1632.	272.5	129.9	1.323	1.046	45.08
#1	-.8476	.3788	-.1528	26.59	26.04	.2363
#2	2.939	-1.649	.0302	26.07	25.76	.4894
#3	-1.641	.0677	-.5030	26.73	26.31	.2399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7261**	**2.989**	**5.532**	**262.1**
Stddev	.8725	.034	.756	19.7
%RSD	120.2	1.138	13.67	7.501
#1	.9136	2.978	6.339	240.9
#2	-.2249	2.962	5.417	265.4
#3	1.490	3.027	4.840	279.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4148.5**	**22972.**	**4206.7**
Stddev	3.7	187.	67.5
%RSD	.09028	.81577	1.6051
#1	4152.2	22773.	4181.7
#2	4144.7	23144.	4155.3
#3	4148.5	23000.	4283.2

Sample Name: 460-118847-d-9-e@5 Acquired: 8/24/2016 14:37:05 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**951.9**	**.6539**	**-.4501**	**99.57**	**-.1250**	**3792.**
Stddev	26.2	.1756	.2338	.47	.1368	23.
%RSD	2.754	26.86	51.95	.4760	109.4	.6094
#1	981.7	.7552	-.4519	99.04	.0026	3806.
#2	932.7	.7554	-.2154	99.74	-.1082	3766.
#3	941.1	.4511	-.6831	99.94	-.2695	3806.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8209**	**.1899**	**1.754**	**3.770**	**854.2**	**428.1**
Stddev	.1466	.2349	.728	.254	4.0	37.2
%RSD	17.86	123.7	41.49	6.743	.4687	8.681
#1	.8718	.0653	2.169	3.704	858.8	385.4
#2	.9353	.0434	2.179	3.556	851.8	445.9
#3	.6556	.4608	.9137	4.051	851.9	453.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**474.7**	**50.88**	F **265100.**	**4.642**	**29.43**	**-.2579**
Stddev	6.1	.52	2585.	.678	.79	1.666
%RSD	1.291	1.029	.9748	14.62	2.695	645.8
#1	474.1	50.37	267800.	4.320	29.01	.6387
#2	468.8	50.84	265000.	4.184	28.93	.7674
#3	481.1	51.42	262600.	5.422	30.34	-2.180
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118847-d-9-e@5 Acquired: 8/24/2016 14:37:05 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.326**	**.5109**	**1.689**	**237.4**	**27.09**	**.7098**
Stddev	2.473	2.268	.181	.5	.34	.2292
%RSD	106.3	443.8	10.70	.1932	1.267	32.29
#1	-.5216	2.074	1.881	237.0	27.29	.4520
#2	3.562	-2.090	1.664	237.2	26.69	.7869
#3	3.937	1.549	1.522	237.9	27.28	.8904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.782**	**21.08**	**36.12**	**1090.**
Stddev	.418	.13	.22	20.
%RSD	23.46	.6151	.6160	1.820
#1	2.258	20.98	35.97	1103.
#2	1.616	21.04	36.37	1100.
#3	1.473	21.23	36.01	1067.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4162.4**	**23091.**	**4293.4**
Stddev	2.8	152.	38.7
%RSD	.06689	.66017	.90204
#1	4159.4	22961.	4248.7
#2	4163.1	23259.	4316.4
#3	4164.8	23054.	4315.0

Sample Name: CCV Acquired: 8/24/2016 14:41:00 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120500.**	**2449.**	**1212.**	**10010.**	**983.4**	**121000.**
Stddev	1539.	1.	5.	13.	13.8	218.
%RSD	1.277	.0547	.4347	.1296	1.399	.1803
#1	118700.	2448.	1206.	10000.	967.8	121000.
#2	121400.	2449.	1216.	10030.	993.9	120800.
#3	121400.	2450.	1214.	10000.	988.4	121200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1239.**	**2450.**	**4939.**	**12100.**	**97720.**	**48070.**
Stddev	2.	2.	17.	65.	201.	567.
%RSD	.1623	.1012	.3440	.5369	.2059	1.179
#1	1237.	2449.	4927.	12030.	97500.	47420.
#2	1241.	2453.	4931.	12150.	97750.	48460.
#3	1239.	2449.	4958.	12130.	97900.	48340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120800.**	**5004.**	**119400.**	**2495.**	**7416.**	**973.5**
Stddev	153.	10.	1552.	4.	5.	2.2
%RSD	.1262	.2030	1.300	.1411	.0669	.2259
#1	120600.	4995.	117600.	2491.	7410.	974.0
#2	120900.	5003.	120400.	2497.	7417.	971.1
#3	120900.	5015.	120200.	2496.	7420.	975.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 14:41:00 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2427.**	**2459.**	**2438.**	**2476.**	**979.6**	**2390.**
Stddev	7.	9.	5.	6.	1.4	3.
%RSD	.3062	.3476	.1887	.2289	.1399	.1423
#1	2432.	2467.	2433.	2470.	978.2	2386.
#2	2418.	2460.	2441.	2481.	979.6	2393.
#3	2430.	2450.	2440.	2477.	980.9	2390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**973.8**	**4951.**	**9854.**	**9597.**
Stddev	2.3	61.	34.	63.
%RSD	.2406	1.231	.3459	.6587
#1	973.4	4881.	9814.	9528.
#2	976.3	4993.	9874.	9652.
#3	971.7	4980.	9873.	9612.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.0**	**22379.**	**4209.5**
Stddev	4.5	35.	20.7
%RSD	.11233	.15582	.49163
#1	4018.3	22339.	4233.3
#2	4023.5	22401.	4195.6
#3	4027.3	22397.	4199.5

Sample Name: CCB Acquired: 8/24/2016 14:44:31 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.136**	**-1.066**	**-.4463**	**.0300**	**.0344**	**-30.03**
Stddev	2.206	1.534	.0992	.1444	.2387	1.74
%RSD	194.2	144.0	22.23	481.1	694.7	5.796
#1	-2.685	.2103	-.5404	.0617	.1715	-28.13
#2	1.390	-.6387	-.3426	-.1276	-.2413	-31.54
#3	-2.113	-2.768	-.4560	.1559	.1728	-30.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1328**	**-.1252**	**.3733**	**.1557**	**7.280**	**54.83**
Stddev	.0473	.0894	.5937	.8224	9.090	7.50
%RSD	35.61	71.41	159.0	528.2	124.9	13.69
#1	.1744	-.2284	.3788	.3598	14.97	54.94
#2	.1426	-.0706	.9641	.8568	9.615	62.28
#3	.0814	-.0766	-.2231	-.7495	-2.749	47.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.350**	**-.0323**	**154.4**	**.0387**	**3.150**	**-.4903**
Stddev	2.416	.1316	14.2	.3821	1.145	1.078
%RSD	179.0	407.8	9.218	987.1	36.35	219.9
#1	.6188	.0947	168.0	-.3901	1.839	-.5125
#2	-.6220	-.1681	155.5	.1630	3.955	-1.557
#3	-4.047	-.0234	139.6	.3432	3.656	.5989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 14:44:31 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0186**	**1.813**	**-.5692**	**-.0624**	**2.261**	**.8230**
Stddev	3.978	1.498	.5250	.2325	.308	.4665
%RSD	21430.	82.65	92.22	372.6	13.63	56.68
#1	2.470	1.400	-.8062	-.0143	2.248	1.348
#2	-4.571	3.474	-.9339	.1423	2.576	.4555
#3	2.157	.5640	.0324	-.3151	1.960	.6657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7351**	**-.0334**	**.1785**	**17.47**
Stddev	.9313	.0869	.0316	12.48
%RSD	126.7	260.5	17.68	71.44
#1	-.3118	-.0699	.1883	30.04
#2	1.046	.0658	.1432	5.078
#3	1.471	-.0960	.2039	17.30
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.8**	**22907.**	**4232.0**
Stddev	1.8	19.	31.5
%RSD	.04073	.08261	.74519
#1	4337.2	22916.	4267.7
#2	4333.8	22885.	4220.4
#3	4336.3	22919.	4207.9

Sample Name: CCVL Acquired: 8/24/2016 14:48:29 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**193.2**	**12.43**	**8.891**	**191.2**	**1.720**	**4508.**
Stddev	5.4	1.13	.390	.5	.264	67.
%RSD	2.816	9.118	4.382	.2532	15.35	1.488
#1	198.7	11.95	9.284	190.7	1.464	4546.
#2	193.2	11.62	8.505	191.1	1.704	4547.
#3	187.8	13.73	8.886	191.7	1.992	4431.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.929**	**47.65**	**9.360**	**21.20**	**153.1**	**4364.**
Stddev	.075	.31	.337	.96	6.6	25.
%RSD	1.902	.6580	3.599	4.542	4.310	.5764
#1	3.971	47.38	8.974	20.13	145.5	4368.
#2	3.843	47.57	9.589	21.48	157.5	4338.
#3	3.974	48.00	9.519	22.00	156.4	4387.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4287.**	**14.45**	**4578.**	**39.18**	**10.66**	**17.81**
Stddev	39.	.28	25.	.76	.83	1.01
%RSD	.9038	1.936	.5434	1.949	7.773	5.650
#1	4252.	14.17	4552.	38.55	11.13	18.73
#2	4281.	14.46	4602.	38.95	9.706	17.96
#3	4329.	14.73	4580.	40.03	11.15	16.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 14:48:29 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.08**	**20.85**	**45.61**	**30.66**	**44.96**	**18.36**
Stddev	2.09	2.74	1.20	.11	.62	.21
%RSD	11.55	13.14	2.640	.3608	1.382	1.144
#1	15.71	18.84	44.67	30.75	44.37	18.51
#2	18.86	19.74	45.19	30.54	44.90	18.45
#3	19.67	23.97	46.97	30.69	45.61	18.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.61**	**18.83**	**18.63**	F **18.38**
Stddev	.58	.13	.40	15.75
%RSD	1.188	.6732	2.140	85.71
#1	48.21	18.69	18.55	28.82
#2	48.35	18.84	18.28	26.05
#3	49.27	18.95	19.07	.2592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4326.5**	**23044.**	**4225.3**
Stddev	16.2	281.	101.9
%RSD	.37383	1.2184	2.4120
#1	4318.9	22787.	4154.1
#2	4315.5	23001.	4179.8
#3	4345.0	23344.	4342.1

Sample Name: lb 460-386376/1-b@5 Acquired: 8/24/2016 14:52:24 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.842**	**1.539**	**-.0402**	**.1016**	**-.0614**	**-29.64**
Stddev	10.30	1.679	.3210	.1293	.0712	15.08
%RSD	150.5	109.1	797.5	127.3	116.1	50.88
#1	11.49	.5937	-.1127	-.0467	-.0030	-12.30
#2	13.99	.5447	.3108	.1606	-.0404	-39.70
#3	-4.957	3.478	-.3188	.1909	-.1407	-36.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1121**	**-.3019**	**.6229**	**.2301**	**2.938**	**86.80**
Stddev	.0443	.2750	.8375	.4050	.810	23.11
%RSD	39.57	91.08	134.4	176.0	27.57	26.63
#1	.0875	-.5795	-.0853	.4830	2.717	63.71
#2	.1633	-.2968	1.547	.4443	3.835	109.9
#3	.0855	-.0295	.4068	-.2369	2.261	86.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.513**	**-.1421**	F **271800.**	**2.301**	**.6665**	**-.1525**
Stddev	3.528	.0421	2747.	.389	.9757	.7184
%RSD	233.2	29.62	1.010	16.90	146.4	471.1
#1	4.416	-.1081	275000.	2.161	1.011	-.2777
#2	2.534	-.1891	270300.	2.002	1.423	.6203
#3	-2.413	-.1289	270200.	2.741	-.4346	-.8001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-386376/1-b@5 Acquired: 8/24/2016 14:52:24 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0718**	**2.602**	**-.2830**	**.5786**	**2.954**	**.1426**
Stddev	1.176	.896	.5135	.1228	.328	.1823
%RSD	1637.	34.44	181.4	21.21	11.09	127.9
#1	-.2924	3.636	.0327	.4369	2.682	.3389
#2	1.199	2.124	-.8755	.6468	2.862	-.0215
#3	-1.122	2.046	-.0063	.6522	3.318	.1105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.235**	**-.0168**	**.2130**	**26.41**
Stddev	.319	.0765	.1070	9.43
%RSD	25.84	456.1	50.26	35.70
#1	.8681	-.0629	.2240	36.91
#2	1.450	.0715	.1008	18.67
#3	1.386	-.0589	.3140	23.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4175.2**	**23135.**	**4259.6**
Stddev	.9	97.	11.4
%RSD	.02244	.41866	.26783
#1	4175.6	23217.	4256.3
#2	4176.0	23160.	4272.3
#3	4174.2	23028.	4250.2

Sample Name: pds 460-119026-a-1-a Acquired: 8/24/2016 14:56:22 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2131.**	**2072.**	**50.91**	**2235.**	**49.29**	**150600.**
Stddev	14.	10.	.34	5.	.11	1109.
%RSD	.6615	.4793	.6671	.2109	.2253	.7362
#1	2133.	2075.	51.21	2240.	49.19	150700.
#2	2144.	2061.	50.54	2231.	49.41	151700.
#3	2116.	2081.	50.97	2234.	49.26	149400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.03**	**486.4**	**195.7**	**259.9**	**2395.**	**67170.**
Stddev	.34	2.7	1.1	1.4	15.	149.
%RSD	.6888	.5558	.5642	.5440	.6285	.2219
#1	48.66	483.3	196.5	259.1	2378.	67020.
#2	49.31	487.5	196.3	259.2	2400.	67160.
#3	49.12	488.4	194.5	261.6	2407.	67320.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126200.**	**1210.**	F **755500.**	**495.5**	**496.6**	**485.4**
Stddev	646.	6.	39810.	3.4	1.6	4.5
%RSD	.5122	.4796	5.269	.6894	.3169	.9320
#1	126400.	1212.	799900.	491.8	495.0	480.2
#2	126700.	1214.	743700.	496.0	496.7	488.0
#3	125500.	1203.	723000.	498.6	498.2	488.0
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-119026-a-1-a Acquired: 8/24/2016 14:56:22 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2107.**	**1873.**	**495.9**	**639.3**	**1215.**	**481.1**
Stddev	13.	20.	2.9	9.3	12.	6.3
%RSD	.6067	1.057	.5911	1.449	.9708	1.308
#1	2094.	1855.	493.1	629.4	1201.	473.8
#2	2119.	1894.	499.0	647.8	1222.	484.9
#3	2110.	1870.	495.6	640.6	1221.	484.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**510.3**	**1730.**	**486.8**	**10720.**
Stddev	5.6	2.	2.3	51.
%RSD	1.089	.0974	.4740	.4755
#1	504.4	1728.	489.1	10770.
#2	515.5	1731.	486.7	10710.
#3	510.9	1730.	484.5	10670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3931.5**	**22544.**	**4235.2**
Stddev	24.1	159.	43.6
%RSD	.61388	.70673	1.0289
#1	3952.0	22720.	4274.4
#2	3937.6	22410.	4243.0
#3	3904.9	22503.	4188.3

Sample Name: 460-119026-a-1-c ms Acquired: 8/24/2016 15:00:10 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2196.**	**2163.**	**53.41**	**2322.**	**50.87**	**156100.**
Stddev	15.	5.	.22	5.	.20	721.
%RSD	.6874	.2507	.4146	.2039	.4029	.4619
#1	2182.	2157.	53.21	2317.	50.63	155400.
#2	2195.	2166.	53.38	2324.	51.00	156100.
#3	2212.	2167.	53.65	2325.	50.97	156800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.86**	**503.4**	**202.3**	**270.7**	**2513.**	**69490.**
Stddev	.45	1.5	1.5	1.5	18.	202.
%RSD	.8876	.3030	.7643	.5365	.7259	.2909
#1	50.78	505.0	200.7	269.4	2493.	69280.
#2	50.45	502.0	203.7	272.3	2527.	69680.
#3	51.34	503.1	202.6	270.5	2520.	69530.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**130600.**	**1254.**	F **734800.**	**513.8**	**514.0**	**510.5**
Stddev	465.	5.	21070.	.8	2.7	2.6
%RSD	.3560	.3747	2.868	.1548	.5227	.5116
#1	130100.	1248.	759100.	514.6	513.4	507.6
#2	130600.	1254.	723500.	513.9	517.0	512.6
#3	131000.	1258.	721800.	513.0	511.7	511.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119026-a-1-c ms Acquired: 8/24/2016 15:00:10 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2157.**	**1922.**	**515.8**	**662.9**	**1249.**	**497.8**
Stddev	17.	5.	5.6	4.8	10.	4.6
%RSD	.7849	.2503	1.095	.7275	.7623	.9339
#1	2137.	1917.	509.3	660.0	1238.	492.4
#2	2168.	1926.	519.6	660.3	1255.	500.4
#3	2165.	1924.	518.5	668.5	1253.	500.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**527.6**	**1789.**	**502.8**	**11120.**
Stddev	4.4	2.	.7	27.
%RSD	.8316	.1006	.1307	.2384
#1	523.2	1789.	503.5	11150.
#2	527.7	1787.	502.6	11120.
#3	532.0	1790.	502.3	11090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3863.4**	**22241.**	**4157.2**
Stddev	16.1	176.	59.4
%RSD	.41569	.79325	1.4300
#1	3881.9	22426.	4225.1
#2	3854.8	22221.	4132.3
#3	3853.4	22075.	4114.3

Sample Name: 460-119026-a-1-b du Acquired: 8/24/2016 15:03:55 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.0**	**6.274**	**-.1438**	**276.8**	**-.1959**	**134400.**
Stddev	4.6	.109	.4444	.3	.2064	1746.
%RSD	2.315	1.729	309.1	.0999	105.4	1.299
#1	203.6	6.366	.0064	276.5	-.0008	134300.
#2	194.8	6.154	-.6438	277.0	-.4120	136200.
#3	201.7	6.301	.2061	277.0	-.1748	132700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3569**	**1.810**	**-1.674**	**6.407**	**1454.**	**47250.**
Stddev	.2190	.134	.411	.123	23.	63.
%RSD	61.36	7.377	24.58	1.918	1.587	.1325
#1	.5862	1.777	-2.142	6.331	1430.	47270.
#2	.3349	1.697	-1.511	6.340	1476.	47300.
#3	.1498	1.957	-1.369	6.548	1456.	47180.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**108100.**	**739.4**	F **715500.**	**7.367**	**6.672**	**-1.532**
Stddev	1004.	6.2	29750.	.913	.679	.869
%RSD	.9292	.8427	4.159	12.39	10.18	56.74
#1	108000.	738.2	742500.	6.314	6.013	-2.405
#2	109100.	746.1	720400.	7.845	6.633	-.6668
#3	107100.	733.8	683600.	7.941	7.370	-1.523
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119026-a-1-b du Acquired: 8/24/2016 15:03:55 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.914**	**1.779**	**6.796**	**125.1**	**706.9**	**5.462**
Stddev	3.020	2.040	.214	1.1	5.6	.225
%RSD	157.8	114.6	3.153	.8684	.7863	4.127
#1	1.522	3.834	6.695	125.9	700.7	5.209
#2	-4.145	-.2446	7.042	125.6	708.5	5.537
#3	-3.118	1.748	6.650	123.9	711.5	5.640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.346**	**1232.**	**3.667**	**10480.**
Stddev	.907	4.	.262	170.
%RSD	67.37	.3125	7.147	1.620
#1	-.8024	1232.	3.875	10460.
#2	-2.393	1229.	3.753	10330.
#3	-.8431	1236.	3.373	10670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3895.5**	**21993.**	**4076.3**
Stddev	14.1	271.	79.9
%RSD	.36102	1.2341	1.9612
#1	3902.3	22042.	4074.8
#2	3905.0	21700.	3997.1
#3	3879.4	22236.	4156.9

Sample Name: 460-119026-a-1-a Acquired: 8/24/2016 15:07:53 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**207.3**	**5.222**	**-.2523**	**280.4**	**-.0061**	**134000.**
Stddev	8.6	.953	.2724	.1	.1450	585.
%RSD	4.128	18.25	108.0	.0506	2391.	.4367
#1	200.1	4.219	-.3451	280.6	-.0542	134600.
#2	205.0	6.116	.0544	280.3	.1569	134000.
#3	216.7	5.329	-.4663	280.5	-.1208	133400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4228**	**1.651**	**-.6105**	**6.421**	**1464.**	**47790.**
Stddev	.1805	.153	.4835	.381	6.	56.
%RSD	42.70	9.260	79.19	5.940	.4113	.1165
#1	.4583	1.475	-.2283	6.381	1457.	47790.
#2	.2272	1.733	-1.154	6.061	1467.	47740.
#3	.5830	1.746	-.4493	6.821	1467.	47850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**108500.**	**742.6**	F **710700.**	**8.313**	**6.619**	**-.8611**
Stddev	217.	1.5	21240.	.604	2.083	.3075
%RSD	.1997	.2022	2.988	7.267	31.47	35.71
#1	108700.	743.9	735200.	7.642	4.277	-.9149
#2	108600.	742.9	697900.	8.484	7.313	-1.138
#3	108300.	740.9	699100.	8.813	8.266	-.5302
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119026-a-1-a Acquired: 8/24/2016 15:07:53 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6246**	**1.440**	**6.511**	**125.7**	**722.6**	**5.053**
Stddev	4.125	1.193	.179	.4	.7	.437
%RSD	660.4	82.82	2.743	.3376	.1000	8.641
#1	1.068	.7190	6.636	125.6	722.0	5.478
#2	-5.326	.7845	6.307	126.1	723.4	4.606
#3	2.385	2.817	6.591	125.3	722.4	5.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4675**	**1251.**	**5.662**	**10960.**
Stddev	1.307	2.	2.309	126.
%RSD	279.4	.1951	40.78	1.151
#1	.3231	1248.	3.817	10850.
#2	-1.976	1251.	8.252	10950.
#3	.2499	1253.	4.918	11100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3886.0**	**22294.**	**4210.2**
Stddev	7.8	91.	42.2
%RSD	.19974	.40744	1.0019
#1	3894.2	22348.	4192.4
#2	3878.8	22189.	4179.8
#3	3885.1	22345.	4258.4

Sample Name: sd 460-119026-a-1-a Acquired: 8/24/2016 15:11:52 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.30**	**.8371**	**-.4199**	**56.34**	**-.1003**	**25890.**
Stddev	10.43	1.426	.2018	.26	.0462	17.
%RSD	22.52	170.4	48.06	.4610	46.08	.0662
#1	36.07	1.543	-.4441	56.11	-.0732	25900.
#2	56.92	1.773	-.2071	56.62	-.1537	25900.
#3	45.92	-.8043	-.6086	56.28	-.0740	25870.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3149**	**.0293**	**-.3213**	**1.698**	**297.3**	**8957.**
Stddev	.1047	.2221	.4967	.152	20.3	108.
%RSD	33.26	758.6	154.6	8.958	6.832	1.202
#1	.4357	.2273	.0770	1.819	279.9	8881.
#2	.2600	-.2110	-.8779	1.747	292.3	9080.
#3	.2491	.0715	-.1631	1.527	319.6	8910.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20510.**	**151.0**	**186300.**	**1.214**	**1.057**	**-.8526**
Stddev	57.	.9	1972.	.428	2.533	.4621
%RSD	.2789	.5721	1.058	35.28	239.7	54.20
#1	20550.	150.4	184700.	1.691	-1.551	-1.294
#2	20530.	150.7	188500.	.8609	3.507	-.3722
#3	20440.	152.0	185800.	1.091	1.214	-.8916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-119026-a-1-a Acquired: 8/24/2016 15:11:52 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3343**	**2.690**	**.7694**	**24.79**	**140.5**	**1.337**
Stddev	2.103	1.340	.4028	.17	.4	.401
%RSD	629.3	49.81	52.35	.7004	.2721	29.99
#1	1.514	1.233	1.206	24.95	140.9	1.751
#2	-2.623	3.868	.6905	24.82	140.2	.9512
#3	.1064	2.970	.4119	24.61	140.3	1.308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0888**	**245.4**	**1.199**	**2008.**
Stddev	.6040	1.8	.167	23.
%RSD	680.0	.7347	13.95	1.120
#1	.0562	245.3	1.110	1992.
#2	-.7521	247.3	1.392	1998.
#3	.4294	243.6	1.095	2034.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4147.5**	**22946.**	**4243.1**
Stddev	9.1	51.	32.7
%RSD	.21844	.22247	.77103
#1	4138.9	22904.	4252.7
#2	4146.7	22929.	4206.6
#3	4156.9	23003.	4269.9

Sample Name: 460-118971-g-2-a Acquired: 8/24/2016 15:15:48 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**97.80**	**1.904**	**-.1457**	**717.2**	**.1164**	**49530.**
Stddev	6.25	.162	.2254	1.0	.1076	185.
%RSD	6.394	8.496	154.7	.1432	92.43	.3742
#1	97.84	1.946	-.0036	716.2	.1870	49720.
#2	104.0	1.726	-.0279	717.1	-.0074	49350.
#3	91.53	2.042	-.4056	718.2	.1696	49510.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4655**	**.6544**	**3.325**	**2.555**	**119.2**	**3590.**
Stddev	.0527	.1894	.439	.479	9.0	47.
%RSD	11.31	28.95	13.20	18.74	7.557	1.298
#1	.4084	.4373	2.960	2.221	129.4	3537.
#2	.5121	.7400	3.812	2.341	115.6	3607.
#3	.4760	.7859	3.204	3.104	112.5	3626.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39150.**	**22.84**	**40980.**	**32.79**	**2.229**	**-.6070**
Stddev	107.	.12	186.	.76	.226	.2945
%RSD	.2733	.5176	.4540	2.332	10.12	48.52
#1	39240.	22.71	40780.	33.01	2.448	-.8071
#2	39040.	22.93	41000.	31.94	1.997	-.7452
#3	39180.	22.88	41150.	33.42	2.242	-.2688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118971-g-2-a Acquired: 8/24/2016 15:15:48 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1962**	**1.293**	**-.6953**	**126.5**	**60.20**	**.0036**
Stddev	4.109	1.801	.3585	.6	.75	.2075
%RSD	2095.	139.3	51.55	.4761	1.238	5698.
#1	-4.848	-.7821	-1.107	125.8	59.46	-.1157
#2	2.942	2.212	-.4505	127.0	60.95	-.1166
#3	1.317	2.450	-.5287	126.6	60.21	.2432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.257**	**419.8**	**1.594**	**12420.**
Stddev	.384	2.9	.080	90.
%RSD	30.56	.6848	4.990	.7233
#1	-.8142	416.7	1.544	12320.
#2	-1.502	420.6	1.552	12460.
#3	-1.455	422.3	1.685	12480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4238.5**	**23149.**	**4312.5**
Stddev	27.9	111.	57.5
%RSD	.65822	.47816	1.3322
#1	4268.3	23239.	4371.7
#2	4234.3	23181.	4309.0
#3	4213.0	23025.	4256.9

Sample Name: 460-118987-g-1-a Acquired: 8/24/2016 15:19:40 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**92.18**	**1.937**	**-.0012**	**592.3**	**.1934**	**49400.**
Stddev	10.41	1.421	.5256	1.5	.1724	61.
%RSD	11.30	73.35	44150.	.2467	89.15	.1239
#1	98.14	3.460	.6002	591.4	.1935	49360.
#2	80.16	.6469	-.2308	594.0	.3657	49380.
#3	98.24	1.705	-.3729	591.5	.0209	49470.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5197**	**1.121**	**-.2025**	**1.875**	**157.2**	**3739.**
Stddev	.0251	.358	.8266	.081	7.8	61.
%RSD	4.829	31.92	408.3	4.341	4.969	1.623
#1	.4908	.8861	.2233	1.965	151.8	3670.
#2	.5353	1.533	-1.155	1.807	166.2	3768.
#3	.5332	.9445	.3244	1.853	153.7	3780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42930.**	**21.06**	**44860.**	**32.58**	**1.271**	**-.6057**
Stddev	51.	.07	24.	.29	.762	.5354
%RSD	.1184	.3416	.0545	.8940	60.00	88.39
#1	42950.	21.05	44880.	32.89	.4610	-1.081
#2	42880.	20.99	44840.	32.32	1.376	-.7099
#3	42970.	21.13	44860.	32.53	1.975	-.0259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118987-g-1-a Acquired: 8/24/2016 15:19:40 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.394**	**3.329**	**-.4271**	**204.9**	**55.85**	**.0101**
Stddev	3.610	.634	.6338	.8	.17	.3332
%RSD	259.0	19.04	148.4	.3701	.2971	3288.
#1	2.780	4.007	-.1425	204.2	55.87	.3787
#2	4.105	2.751	.0145	205.7	56.01	-.2699
#3	-2.703	3.230	-1.153	205.0	55.68	-.0784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2403**	**438.3**	**1.429**	**9780.**
Stddev	.8370	.6	.072	144.
%RSD	348.3	.1283	5.035	1.475
#1	.1450	438.8	1.507	9623.
#2	1.121	437.7	1.365	9808.
#3	-.5450	438.6	1.414	9908.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4209.8**	**22922.**	**4304.2**
Stddev	22.9	80.	22.2
%RSD	.54420	.34715	.51612
#1	4235.3	22992.	4329.8
#2	4203.1	22938.	4289.4
#3	4190.9	22835.	4293.6

Sample Name: lcs 460-386463/2-a Acquired: 8/24/2016 15:23:33 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2088.**	**2000.**	**48.61**	**2055.**	**50.91**	**19690.**
Stddev	19.	5.	.75	2.	.49	40.
%RSD	.9194	.2550	1.551	.1030	.9588	.2053
#1	2066.	2005.	48.67	2055.	50.65	19710.
#2	2099.	1994.	49.33	2053.	50.62	19640.
#3	2100.	2000.	47.83	2057.	51.48	19710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.40**	**512.0**	**205.5**	**229.5**	**1044.**	**19420.**
Stddev	.09	2.9	1.2	1.0	10.	109.
%RSD	.1774	.5608	.5894	.4244	.9238	.5596
#1	52.50	515.3	205.0	228.7	1034.	19320.
#2	52.37	510.3	206.9	230.6	1047.	19410.
#3	52.33	510.4	204.6	229.1	1052.	19540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18980.**	**512.6**	**19320.**	**526.6**	**526.4**	**478.7**
Stddev	69.	.7	59.	3.1	1.9	1.9
%RSD	.3650	.1431	.3065	.5859	.3681	.3879
#1	19040.	513.4	19290.	530.1	528.4	478.5
#2	18910.	512.0	19390.	524.9	526.4	480.6
#3	19000.	512.4	19290.	524.7	524.5	476.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-386463/2-a Acquired: 8/24/2016 15:23:33 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2093.**	**2134.**	**501.9**	**548.0**	**537.4**	**486.1**
Stddev	8.	4.	2.2	2.6	.5	2.4
%RSD	.3696	.1669	.4348	.4699	.0867	.4863
#1	2085.	2137.	499.5	545.3	536.9	484.0
#2	2100.	2130.	502.4	550.5	537.5	488.7
#3	2095.	2136.	503.7	548.2	537.8	485.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**530.6**	**499.8**	**491.9**	**73.58**
Stddev	.9	1.3	1.7	6.09
%RSD	.1640	.2697	.3378	8.270
#1	531.6	498.8	490.1	80.60
#2	530.3	501.4	492.2	69.91
#3	530.0	499.3	493.4	70.23
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4271.1**	**22908.**	**4281.8**
Stddev	10.1	130.	29.8
%RSD	.23747	.56740	.69639
#1	4275.5	22985.	4314.9
#2	4278.3	22982.	4257.2
#3	4259.5	22758.	4273.2

Sample Name: mb 460-386463/1-a Acquired: 8/24/2016 15:27:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.839**	**.3575**	**-.1911**	**.0554**	**-.0377**	**-36.29**
Stddev	9.620	1.345	.4733	.3414	.1732	3.29
%RSD	198.8	376.3	247.6	616.7	459.7	9.069
#1	-4.661	1.285	.0651	.0548	-.1974	-40.07
#2	4.604	-1.185	-.7373	-.2858	-.0620	-34.04
#3	14.57	.9732	.0988	.3971	.1464	-34.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0441**	**-.1149**	**.1241**	**.3445**	**11.32**	**36.16**
Stddev	.0699	.2168	.5967	.7045	13.02	16.03
%RSD	158.5	188.6	480.8	204.5	115.0	44.34
#1	-.0284	.1043	.4910	-.1647	-1.069	52.09
#2	.1111	-.3291	.4456	.0497	10.14	20.03
#3	.0496	-.1200	-.5644	1.149	24.88	36.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.006**	**-.1183**	**187.7**	**.1069**	**1.508**	**-.3945**
Stddev	7.772	.0660	1.6	.5944	.696	1.315
%RSD	387.5	55.80	.8297	556.1	46.19	333.3
#1	-6.708	-.1928	189.5	.3009	2.311	.4610
#2	8.225	-.0669	186.7	.5801	1.083	.2639
#3	4.500	-.0953	186.9	-.5603	1.129	-1.908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386463/1-a Acquired: 8/24/2016 15:27:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5618**	**2.405**	**-.3171**	**-.1082**	**1.912**	**.8082**
Stddev	2.965	1.035	.6507	.0827	.543	.1510
%RSD	527.7	43.02	205.2	76.37	28.38	18.68
#1	2.266	3.428	.1489	-.1275	2.336	.6933
#2	-2.861	1.360	-1.060	-.0176	2.100	.7522
#3	2.281	2.427	-.0397	-.1795	1.301	.9792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.042**	**.0123**	**-.0063**	**14.62**
Stddev	.285	.0643	.0495	15.50
%RSD	27.39	523.4	792.7	106.0
#1	.8741	.0865	-.0493	-3.085
#2	1.372	-.0268	-.0173	25.75
#3	.8805	-.0228	.0479	21.19
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4300.0**	**22780.**	**4249.7**
Stddev	13.4	239.	49.9
%RSD	.31074	1.0488	1.1735
#1	4284.6	22557.	4202.2
#2	4306.8	22750.	4245.4
#3	4308.7	23032.	4301.6

Sample Name: CCV Acquired: 8/24/2016 15:31:08 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120100.**	**2436.**	**1208.**	**9942.**	**984.4**	**121100.**
Stddev	1917.	5.	7.	22.	13.1	1011.
%RSD	1.597	.1982	.6102	.2193	1.333	.8355
#1	117800.	2441.	1201.	9918.	969.4	120100.
#2	121200.	2432.	1208.	9948.	990.2	120900.
#3	121100.	2436.	1215.	9961.	993.7	122100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1232.**	**2440.**	**4938.**	**12050.**	**97740.**	**48080.**
Stddev	3.	5.	41.	94.	710.	805.
%RSD	.2426	.2070	.8347	.7811	.7260	1.673
#1	1229.	2435.	4898.	11940.	97000.	47150.
#2	1233.	2440.	4936.	12100.	97810.	48600.
#3	1235.	2445.	4981.	12100.	98410.	48490.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120900.**	**4999.**	**120200.**	**2484.**	**7401.**	**967.6**
Stddev	981.	37.	1855.	4.	12.	2.2
%RSD	.8110	.7462	1.543	.1805	.1687	.2259
#1	120000.	4961.	118100.	2479.	7389.	970.0
#2	120900.	4999.	121500.	2486.	7400.	965.6
#3	121900.	5036.	121000.	2487.	7414.	967.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 15:31:08 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2404.**	**2463.**	**2433.**	**2477.**	**972.9**	**2371.**
Stddev	10.	12.	17.	10.	1.1	4.
%RSD	.4114	.4893	.7002	.4196	.1175	.1587
#1	2393.	2450.	2414.	2470.	971.6	2367.
#2	2410.	2464.	2439.	2472.	973.9	2374.
#3	2410.	2474.	2446.	2489.	973.2	2372.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**973.2**	**4930.**	**9876.**	**9521.**
Stddev	3.4	65.	62.	44.
%RSD	.3457	1.318	.6283	.4609
#1	970.8	4855.	9809.	9546.
#2	971.7	4973.	9890.	9470.
#3	977.0	4961.	9931.	9547.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4013.4**	**22200.**	**4152.8**
Stddev	2.5	111.	61.6
%RSD	.06109	.50084	1.4832
#1	4011.5	22284.	4223.6
#2	4016.2	22241.	4122.8
#3	4012.5	22074.	4111.8

Sample Name: CCB Acquired: 8/24/2016 15:34:40 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.336**	**.0756**	**-.4343**	**.1438**	**-.0146**	**-36.43**
Stddev	1.679	1.760	.4922	.0248	.0971	1.12
%RSD	31.46	2330.	113.3	17.24	664.2	3.085
#1	3.715	.9057	-.3489	.1179	-.1265	-35.84
#2	7.066	1.267	-.9636	.1463	.0470	-37.72
#3	5.226	-1.946	.0097	.1673	.0357	-35.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0306**	**.0263**	**.1567**	**.2049**	**4.421**	**23.86**
Stddev	.0995	.2850	.5725	.0950	8.055	30.25
%RSD	325.4	1083.	365.3	46.37	182.2	126.8
#1	.0841	-.0313	-.5038	.2624	11.75	13.21
#2	-.0819	.3356	.5114	.2571	-4.202	58.00
#3	-.0939	-.2255	.4626	.0953	5.712	.3690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.815**	**.0024**	**140.8**	**.0622**	**1.349**	**-.9496**
Stddev	1.366	.1098	14.5	.2857	1.407	1.514
%RSD	48.53	4644.	10.29	459.7	104.3	159.4
#1	-3.951	.0152	151.8	.0272	2.761	.6843
#2	-1.299	.1052	146.3	.3638	-.0537	-1.229
#3	-3.195	-.1133	124.4	-.2045	1.340	-2.304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 15:34:40 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.544**	**2.256**	**-.6099**	**-.2087**	**2.806**	**1.023**
Stddev	4.381	.794	.4582	.0966	.716	.550
%RSD	283.7	35.20	75.12	46.27	25.50	53.71
#1	.3243	2.158	-.8558	-.1718	3.631	1.601
#2	6.406	3.095	-.8927	-.3182	2.356	.9611
#3	-2.097	1.516	-.0813	-.1360	2.430	.5073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7586**	**.0773**	**.2898**	**14.01**
Stddev	.5939	.0465	.2387	8.54
%RSD	78.30	60.22	82.34	60.96
#1	1.412	.0982	.4958	22.43
#2	.2505	.1097	.3454	14.27
#3	.6137	.0240	.0283	5.346
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4330.6**	**22744.**	**4193.8**
Stddev	11.3	219.	65.6
%RSD	.26103	.96454	1.5637
#1	4329.0	22512.	4120.9
#2	4320.2	22772.	4212.6
#3	4342.6	22949.	4248.0

Sample Name: CCVL Acquired: 8/24/2016 15:38:38 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**185.3**	**13.11**	**8.470**	**191.6**	**1.803**	**4494.**
Stddev	6.3	1.23	.140	.4	.130	9.
%RSD	3.410	9.391	1.647	.2113	7.212	.1905
#1	192.6	14.16	8.366	191.2	1.861	4484.
#2	181.7	11.75	8.415	191.8	1.894	4500.
#3	181.6	13.41	8.629	191.9	1.654	4498.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.038**	**47.74**	**8.846**	**21.66**	**155.9**	**4391.**
Stddev	.054	.10	.895	1.01	6.3	55.
%RSD	1.327	.2050	10.12	4.663	4.025	1.259
#1	4.096	47.68	9.820	20.53	150.8	4350.
#2	4.029	47.68	8.060	21.99	154.0	4368.
#3	3.990	47.85	8.658	22.47	162.9	4454.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4265.**	**14.38**	**4557.**	**39.30**	**12.16**	**16.61**
Stddev	34.	.06	23.	.34	.89	.79
%RSD	.7897	.4249	.5100	.8613	7.287	4.746
#1	4227.	14.36	4531.	39.63	11.19	17.42
#2	4273.	14.33	4575.	38.96	12.36	16.56
#3	4293.	14.45	4566.	39.32	12.92	15.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 15:38:38 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.69**	**23.03**	**45.54**	**30.56**	**45.62**	**18.43**
Stddev	3.75	1.53	.58	.08	.52	.29
%RSD	20.07	6.654	1.274	.2548	1.144	1.578
#1	20.59	21.39	45.72	30.52	46.00	18.34
#2	21.11	24.43	46.01	30.51	45.85	18.75
#3	14.37	23.27	44.89	30.65	45.03	18.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.24**	**18.81**	**18.86**	F **14.23**
Stddev	.08	.16	.16	3.03
%RSD	.1741	.8246	.8373	21.30
#1	48.16	18.69	18.94	13.00
#2	48.24	18.76	18.68	12.00
#3	48.33	18.99	18.96	17.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.7**	**23016.**	**4290.5**
Stddev	15.8	64.	56.1
%RSD	.36518	.27780	1.3074
#1	4299.7	22971.	4242.0
#2	4319.7	22989.	4277.6
#3	4330.8	23090.	4351.9

Sample Name: 460-118987-g-2-a Acquired: 8/24/2016 15:43:38 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**98.03**	**2.112**	**-.3979**	**731.3**	**.1917**	**51420.**
Stddev	3.69	.418	.3571	1.1	.0983	103.
%RSD	3.768	19.79	89.73	.1447	51.26	.2008
#1	100.00	1.903	-.4030	732.4	.0981	51330.
#2	93.77	1.840	-.7524	731.2	.2940	51400.
#3	100.3	2.594	-.0384	730.3	.1829	51530.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4558**	**.7485**	**11.35**	**6.408**	**485.5**	**3649.**
Stddev	.1746	.1300	1.10	.523	5.6	56.
%RSD	38.30	17.36	9.652	8.167	1.149	1.524
#1	.4563	.8753	10.12	5.963	486.3	3599.
#2	.2810	.7546	11.74	6.277	490.7	3638.
#3	.6302	.6156	12.20	6.984	479.6	3709.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40240.**	**27.79**	**42080.**	**34.77**	**36.14**	**-.9462**
Stddev	89.	.25	239.	.18	.60	.9427
%RSD	.2224	.8846	.5668	.5261	1.670	99.62
#1	40210.	27.58	42280.	34.93	36.82	-.4804
#2	40160.	27.73	42140.	34.57	35.68	-.3272
#3	40330.	28.06	41810.	34.81	35.92	-2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118987-g-2-a Acquired: 8/24/2016 15:43:38 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.981**	**2.195**	**-.6229**	**410.3**	**55.32**	**-.1096**
Stddev	4.154	.217	.5626	2.1	.06	.1788
%RSD	139.3	9.885	90.31	.5125	.1029	163.2
#1	.2556	2.398	-1.271	412.8	55.33	-.2041
#2	-1.535	1.966	-.3346	409.4	55.26	-.2212
#3	-7.665	2.222	-.2630	408.9	55.37	.0966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.14**	**429.2**	**2.307**	**12790.**
Stddev	.70	1.7	.214	8.
%RSD	6.309	.3944	9.293	.0606
#1	10.45	431.1	2.193	12780.
#2	11.85	428.5	2.174	12800.
#3	11.13	427.9	2.554	12790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4236.0**	**22936.**	**4245.3**
Stddev	15.9	158.	34.9
%RSD	.37562	.69085	.82102
#1	4253.9	23116.	4268.8
#2	4230.4	22871.	4205.3
#3	4223.6	22819.	4261.8

Sample Name: 460-118987-g-3-a Acquired: 8/24/2016 15:47:30 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**60.76**	**1.148**	**-.1648**	**847.7**	**.0147**	**42060.**
Stddev	2.69	2.040	.4206	2.1	.1624	88.
%RSD	4.433	177.6	255.2	.2439	1105.	.2086
#1	63.77	1.385	-.3466	850.1	-.1250	42160.
#2	59.93	3.059	.3161	846.2	-.0239	42000.
#3	58.58	-.9997	-.4639	846.9	.1929	42010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3744**	**-.2513**	**12.04**	**2.329**	**481.7**	**2638.**
Stddev	.0732	.1622	.32	.305	5.6	15.
%RSD	19.55	64.55	2.668	13.09	1.153	.5616
#1	.4468	-.2401	11.78	1.978	476.6	2625.
#2	.3005	-.0950	12.40	2.475	480.8	2655.
#3	.3760	-.4189	11.94	2.533	487.6	2635.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24730.**	**23.25**	**25300.**	**29.71**	**10.85**	**-1.546**
Stddev	32.	.22	102.	.39	.76	.454
%RSD	.1300	.9270	.4028	1.329	7.044	29.35
#1	24720.	23.03	25190.	29.27	11.72	-1.331
#2	24760.	23.25	25330.	30.02	10.31	-2.068
#3	24700.	23.46	25390.	29.84	10.52	-1.240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118987-g-3-a Acquired: 8/24/2016 15:47:30 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5665**	**2.188**	**-.0533**	**192.9**	**45.32**	**.1123**
Stddev	3.260	2.057	.2654	.2	.20	.0438
%RSD	575.6	93.99	498.3	.1157	.4512	39.03
#1	1.941	2.675	-.1969	192.7	45.28	.0949
#2	.6115	-.0684	.2530	193.1	45.54	.1621
#3	-4.252	3.957	-.2159	193.0	45.14	.0798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.996**	**303.3**	**1.644**	**16030.**
Stddev	.882	.2	.055	101.
%RSD	29.43	.0704	3.322	.6267
#1	3.983	303.2	1.610	15920.
#2	2.721	303.5	1.707	16110.
#3	2.285	303.1	1.615	16060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4247.5**	**22939.**	**4320.0**
Stddev	13.4	94.	33.7
%RSD	.31539	.40892	.78071
#1	4262.7	23045.	4344.7
#2	4237.6	22909.	4333.9
#3	4242.1	22865.	4281.6

Sample Name: 460-118790-a-4-a Acquired: 8/24/2016 15:51:21 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**57.71**	**3.143**	**.0187**	**38.62**	**-.0602**	**36480.**
Stddev	15.95	2.844	.2160	.29	.0389	93.
%RSD	27.64	90.48	1158.	.7621	64.54	.2559
#1	75.60	.6601	.1138	38.50	-.0222	36490.
#2	44.97	2.524	-.2286	38.40	-.0999	36570.
#3	52.56	6.246	.1707	38.95	-.0586	36390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3597**	**.0947**	**368.0**	**2.535**	**30.49**	**1352.**
Stddev	.0513	.2389	1.6	.483	4.09	32.
%RSD	14.25	252.3	.4269	19.06	13.40	2.347
#1	.3205	.1797	366.3	2.046	30.96	1323.
#2	.3409	-.1751	369.4	3.012	26.19	1386.
#3	.4178	.2794	368.3	2.545	34.33	1347.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5488.**	**4.203**	**9210.**	**.6737**	**1.893**	**-3.209**
Stddev	44.	.051	39.	.2331	.651	1.346
%RSD	.8064	1.216	.4243	34.60	34.38	41.93
#1	5437.	4.178	9174.	.9291	1.142	-4.617
#2	5513.	4.170	9251.	.6192	2.299	-3.076
#3	5514.	4.262	9205.	.4726	2.236	-1.936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118790-a-4-a Acquired: 8/24/2016 15:51:21 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.132**	**2.521**	**-1.236**	**4.574**	**34.67**	**.1777**
Stddev	1.885	2.522	.329	.084	.06	.1260
%RSD	60.18	100.1	26.64	1.830	.1705	70.88
#1	-5.083	1.321	-1.508	4.555	34.61	.0388
#2	-2.993	5.419	-.8702	4.502	34.66	.2845
#3	-1.321	.8225	-1.330	4.666	34.73	.2097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0106**	**120.7**	**1.523**	**4798.**
Stddev	.4357	1.7	.121	63.
%RSD	4119.	1.416	7.966	1.316
#1	.1326	118.9	1.545	4740.
#2	-.4999	120.9	1.631	4789.
#3	.3355	122.3	1.392	4865.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4278.2**	**23136.**	**4333.1**
Stddev	17.8	99.	28.5
%RSD	.41531	.42797	.65882
#1	4298.4	23249.	4333.3
#2	4271.6	23069.	4304.4
#3	4264.8	23089.	4361.5

Sample Name: 460-118790-a-5-a Acquired: 8/24/2016 15:55:15 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38.47**	**1.174**	**-.3037**	**21.26**	**.1455**	**27150.**
Stddev	4.00	.336	.3967	.10	.1173	135.
%RSD	10.40	28.63	130.6	.4863	80.58	.4977
#1	39.80	.8851	.1484	21.14	.2651	27000.
#2	33.98	1.093	-.5935	21.35	.0308	27230.
#3	41.64	1.542	-.4662	21.29	.1406	27220.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2304**	**.1179**	**310.4**	**8.088**	**158.1**	**1301.**
Stddev	.1706	.1288	1.7	.426	9.8	31.
%RSD	74.01	109.2	.5626	5.267	6.185	2.403
#1	.1578	-.0293	308.4	7.627	152.6	1279.
#2	.4253	.1730	311.2	8.169	169.4	1337.
#3	.1082	.2100	311.7	8.467	152.4	1288.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3971.**	**128.8**	**8047.**	**.5948**	**4.410**	**-2.768**
Stddev	44.	1.1	38.	.5026	.945	1.603
%RSD	1.109	.8892	.4660	84.49	21.42	57.90
#1	3922.	127.5	8008.	1.071	5.483	-1.874
#2	3982.	129.7	8083.	.0697	4.041	-1.812
#3	4008.	129.2	8050.	.6436	3.705	-4.618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118790-a-5-a Acquired: 8/24/2016 15:55:15 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.549**	**2.219**	**-1.532**	**46.44**	**31.32**	**-.0451**
Stddev	3.641	.668	1.160	.39	.41	.0359
%RSD	235.1	30.11	75.71	.8319	1.307	79.58
#1	-5.099	1.547	-2.093	46.01	31.12	-.0805
#2	-1.725	2.226	-2.305	46.76	31.05	-.0460
#3	2.177	2.883	-.1983	46.55	31.79	-.0088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4678**	**93.60**	**1.117**	**4368.**
Stddev	.8219	.32	.133	34.
%RSD	175.7	.3392	11.89	.7720
#1	.1149	93.38	.9772	4391.
#2	-.1104	93.97	1.241	4385.
#3	-1.408	93.47	1.133	4330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4284.6**	**22920.**	**4303.9**
Stddev	12.1	225.	68.2
%RSD	.28171	.98142	1.5838
#1	4297.9	23180.	4380.1
#2	4281.6	22797.	4282.8
#3	4274.3	22784.	4248.8

Sample Name: 460-118790-a-6-a Acquired: 8/24/2016 15:59:09 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41.14**	**1.979**	**-.1092**	**23.65**	**-.1823**	**27070.**
Stddev	8.87	1.955	.3493	.05	.1011	113.
%RSD	21.56	98.82	319.9	.2191	55.48	.4183
#1	50.66	2.291	.1587	23.62	-.0655	27170.
#2	39.64	3.760	.0179	23.71	-.2421	27100.
#3	33.12	-.1137	-.5042	23.62	-.2392	26950.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2311**	**-.0288**	**85.99**	**7.959**	**3995.**	**1345.**
Stddev	.1009	.2889	.86	.648	31.	42.
%RSD	43.66	1004.	.9997	8.146	.7684	3.120
#1	.3475	.3042	86.40	7.239	3961.	1300.
#2	.1686	-.2128	86.57	8.497	4019.	1383.
#3	.1772	-.1777	85.00	8.141	4006.	1353.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3860.**	**1298.**	**8068.**	**3.040**	**4.940**	**-1.362**
Stddev	19.	3.	40.	.370	.809	1.025
%RSD	.4950	.2221	.4996	12.17	16.38	75.31
#1	3853.	1300.	8036.	3.059	4.563	-2.188
#2	3845.	1299.	8113.	3.400	5.869	-.2139
#3	3881.	1295.	8056.	2.661	4.388	-1.684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118790-a-6-a Acquired: 8/24/2016 15:59:09 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9540**	**3.515**	**-2.406**	**70.74**	**35.41**	**.0610**
Stddev	1.646	1.258	.041	.32	.23	.2332
%RSD	172.5	35.79	1.709	.4564	.6574	382.3
#1	1.117	2.556	-2.410	70.37	35.34	-.0844
#2	2.512	4.940	-2.363	70.91	35.22	-.0626
#3	-.7672	3.050	-2.445	70.95	35.67	.3299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3670**	**93.06**	**.8562**	**4476.**
Stddev	.6836	1.22	.1322	45.
%RSD	186.2	1.308	15.44	1.012
#1	-1.021	91.79	.7037	4460.
#2	.3426	93.18	.9264	4440.
#3	-.4225	94.21	.9385	4527.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4279.3**	**23015.**	**4296.9**
Stddev	11.2	70.	49.4
%RSD	.26268	.30485	1.1506
#1	4291.5	23077.	4333.0
#2	4277.0	22939.	4240.6
#3	4269.4	23028.	4317.2

Sample Name: 460-118813-a-1-a Acquired: 8/24/2016 16:03:02 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**171.8**	**.4915**	**-.2334**	**32.87**	**-.0720**	**69080.**
Stddev	8.2	1.461	.6785	.11	.1343	97.
%RSD	4.747	297.3	290.8	.3325	186.6	.1399
#1	162.4	2.134	-.9830	32.92	-.2133	69080.
#2	176.3	.0049	-.0557	32.95	.0540	68990.
#3	176.7	-.6643	.3386	32.75	-.0566	69180.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3932**	**.2593**	**.2341**	**3.733**	**400.8**	**6096.**
Stddev	.0561	.1357	.3642	.600	9.1	80.
%RSD	14.27	52.34	155.6	16.06	2.273	1.309
#1	.3617	.1038	-.1716	3.294	405.4	6004.
#2	.4580	.3201	.3409	3.488	406.7	6138.
#3	.3600	.3539	.5329	4.416	390.3	6146.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7781.**	**5.052**	**178100.**	**4.130**	**1.331**	**-1.451**
Stddev	36.	.024	721.	.165	2.256	1.210
%RSD	.4606	.4651	.4046	3.995	169.5	83.38
#1	7747.	5.067	178800.	4.095	.6148	-2.124
#2	7778.	5.025	178300.	4.309	3.858	-.0542
#3	7819.	5.064	177300.	3.985	-.4798	-2.174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118813-a-1-a Acquired: 8/24/2016 16:03:02 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3753**	**1.599**	**-.2076**	**21.50**	**58.68**	**44.20**
Stddev	1.975	1.913	.2824	.07	.70	.31
%RSD	526.2	119.6	136.0	.3203	1.197	.7115
#1	.9608	1.464	.0823	21.51	58.21	43.84
#2	-1.826	-.2424	-.2234	21.57	58.34	44.39
#3	1.991	3.577	-.4818	21.43	59.48	44.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1677**	**171.0**	**2.228**	**2593.**
Stddev	1.016	.8	.025	28.
%RSD	605.8	.4777	1.145	1.082
#1	.5510	170.1	2.210	2561.
#2	-1.330	171.8	2.257	2608.
#3	.2757	171.1	2.217	2611.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4120.5**	**22949.**	**4323.1**
Stddev	13.4	86.	28.7
%RSD	.32553	.37580	.66425
#1	4133.9	23011.	4305.7
#2	4120.4	22986.	4307.4
#3	4107.1	22851.	4356.2

Sample Name: pds 460-118859-d-1-a Acquired: 8/24/2016 16:06:57 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1953.**	**1951.**	**47.20**	**2098.**	**50.06**	**36100.**
Stddev	4.	6.	.48	6.	.59	681.
%RSD	.2268	.3150	1.023	.3049	1.174	1.886
#1	1951.	1954.	46.66	2093.	49.39	35400.
#2	1950.	1944.	47.58	2097.	50.33	36150.
#3	1958.	1955.	47.37	2105.	50.46	36760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.45**	**513.7**	**202.1**	**247.1**	**1270.**	**26370.**
Stddev	.13	1.3	4.0	.9	22.	312.
%RSD	.2523	.2567	1.956	.3487	1.768	1.184
#1	50.32	514.0	198.1	248.0	1247.	26030.
#2	50.57	514.8	202.2	247.1	1271.	26440.
#3	50.47	512.2	206.0	246.3	1292.	26640.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23160.**	**864.9**	**115900.**	**517.2**	**510.2**	**464.7**
Stddev	267.	9.9	761.	1.2	1.6	2.1
%RSD	1.154	1.148	.6569	.2348	.3156	.4463
#1	22890.	854.1	115100.	517.7	510.3	465.0
#2	23170.	866.8	115900.	518.0	511.7	462.5
#3	23420.	873.7	116600.	515.8	508.5	466.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118859-d-1-a Acquired: 8/24/2016 16:06:57 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1923.**	**2020.**	**493.2**	**631.0**	**626.0**	**486.8**
Stddev	21.	10.	6.0	6.3	4.7	2.4
%RSD	1.099	.4783	1.213	1.005	.7494	.4979
#1	1940.	2025.	487.4	623.9	629.0	487.4
#2	1899.	2009.	492.8	632.7	620.6	484.1
#3	1931.	2026.	499.4	636.2	628.3	488.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**519.0**	**565.6**	**485.2**	**2137.**
Stddev	4.2	2.6	3.0	12.
%RSD	.8009	.4530	.6223	.5444
#1	515.9	562.8	481.7	2126.
#2	517.3	566.1	486.4	2149.
#3	523.7	567.8	487.4	2136.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4094.2**	**22272.**	**4138.6**
Stddev	26.9	242.	111.9
%RSD	.65611	1.0876	2.7027
#1	4068.7	22533.	4249.8
#2	4091.6	22226.	4139.8
#3	4122.2	22056.	4026.1

Sample Name: 460-118859-d-1-c ms Acquired: 8/24/2016 16:10:36 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2044.**	**2038.**	**48.82**	**2195.**	**52.39**	**37940.**
Stddev	2.	7.	.88	10.	.34	226.
%RSD	.1211	.3217	1.806	.4342	.6512	.5948
#1	2047.	2041.	47.81	2203.	52.74	37830.
#2	2043.	2043.	49.17	2197.	52.37	38200.
#3	2043.	2031.	49.47	2184.	52.06	37790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.33**	**533.8**	**208.5**	**258.1**	**1295.**	**27930.**
Stddev	.35	1.8	.1	2.6	6.	49.
%RSD	.6731	.3383	.0271	1.009	.4846	.1744
#1	52.49	535.8	208.5	256.1	1288.	27880.
#2	52.58	533.1	208.4	257.1	1296.	27960.
#3	51.93	532.5	208.5	261.0	1301.	27960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24070.**	**910.0**	**125600.**	**536.7**	**526.7**	**489.0**
Stddev	84.	3.2	426.	2.4	4.8	3.5
%RSD	.3478	.3505	.3394	.4506	.9033	.7157
#1	23990.	908.3	125900.	538.9	532.2	492.5
#2	24160.	913.6	125800.	537.0	523.9	485.5
#3	24060.	907.9	125100.	534.1	524.0	489.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-d-1-c ms Acquired: 8/24/2016 16:10:36 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2002.**	**2093.**	**513.1**	**652.7**	**658.6**	**507.8**
Stddev	12.	12.	4.2	2.7	1.5	.5
%RSD	.5884	.5806	.8262	.4184	.2283	.0999
#1	2008.	2093.	508.3	655.8	658.2	508.2
#2	1989.	2080.	516.2	650.5	657.4	507.3
#3	2010.	2104.	514.8	651.9	660.3	508.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**541.0**	**597.3**	**505.1**	**2271.**
Stddev	.9	1.0	1.1	11.
%RSD	.1670	.1676	.2131	.4907
#1	540.9	597.7	504.0	2259.
#2	540.2	598.0	506.2	2281.
#3	542.0	596.2	505.1	2273.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4126.7**	**22935.**	**4244.1**
Stddev	25.3	128.	51.8
%RSD	.61188	.55948	1.2197
#1	4099.9	22890.	4216.5
#2	4130.1	22835.	4212.0
#3	4150.0	23080.	4303.8

Sample Name: 460-118859-d-1-b du Acquired: 8/24/2016 16:14:14 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43.90**	**2.054**	**-.2385**	**86.83**	**.2235**	**18140.**
Stddev	17.93	.965	.0895	.50	.0260	38.
%RSD	40.85	46.99	37.53	.5720	11.62	.2079
#1	55.85	2.532	-.1939	86.89	.2514	18140.
#2	23.28	.9434	-.3415	86.31	.2001	18180.
#3	52.57	2.688	-.1800	87.30	.2190	18110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3673**	**13.45**	**.0038**	**10.68**	**264.5**	**8233.**
Stddev	.0531	.07	.3678	.49	9.2	36.
%RSD	14.46	.5303	9792.	4.587	3.466	.4383
#1	.4178	13.46	.2030	10.62	254.7	8204.
#2	.3724	13.50	.2289	10.22	272.9	8273.
#3	.3119	13.37	-.4207	11.20	266.0	8222.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5042.**	**393.2**	**103700.**	**7.231**	**4.357**	**-.3627**
Stddev	39.	1.4	227.	.355	.530	1.143
%RSD	.7822	.3511	.2192	4.914	12.17	315.2
#1	4999.	392.1	103800.	7.205	4.250	.5448
#2	5049.	394.8	103900.	6.890	4.933	.0138
#3	5077.	392.8	103400.	7.599	3.889	-1.647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-d-1-b du Acquired: 8/24/2016 16:14:14 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1564**	**1.243**	**-1.300**	**114.1**	**152.6**	**.3869**
Stddev	2.959	.579	.332	.2	1.0	.3353
%RSD	1892.	46.54	25.51	.2031	.6283	86.66
#1	.5819	1.515	-1.399	114.2	153.6	.6794
#2	-3.415	1.636	-1.571	113.8	152.4	.4605
#3	2.364	.5787	-.9301	114.2	151.7	.0210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3215**	**83.30**	**.7002**	**2188.**
Stddev	.5153	.67	.0863	25.
%RSD	160.3	.8032	12.33	1.127
#1	.5542	82.59	.6067	2161.
#2	-.2690	83.38	.7768	2193.
#3	.6794	83.92	.7172	2210.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4186.0**	**22954.**	**4295.7**
Stddev	4.4	100.	12.5
%RSD	.10481	.43734	.29008
#1	4180.9	22888.	4309.1
#2	4189.0	22905.	4284.4
#3	4188.0	23070.	4293.5

Sample Name: lcs 460-386232/2-a Acquired: 8/24/2016 16:18:08 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1900.**	**1892.**	**45.64**	**2003.**	**49.63**	**18600.**
Stddev	3.	4.	.30	4.	.46	40.
%RSD	.1548	.2275	.6656	.1965	.9348	.2172
#1	1896.	1889.	45.32	2003.	49.14	18620.
#2	1901.	1897.	45.93	2007.	49.70	18620.
#3	1902.	1890.	45.67	1999.	50.06	18550.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.85**	**495.8**	**198.6**	**226.7**	**986.6**	**18690.**
Stddev	.03	2.4	1.3	1.0	3.7	197.
%RSD	.0663	.4891	.6399	.4306	.3731	1.051
#1	49.88	498.6	198.8	225.6	984.1	18500.
#2	49.82	494.6	199.8	227.1	984.8	18680.
#3	49.87	494.1	197.3	227.4	990.8	18900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17970.**	**493.0**	**18610.**	**507.4**	**504.3**	**456.6**
Stddev	48.	.7	37.	3.1	2.3	1.9
%RSD	.2678	.1392	.2007	.6204	.4637	.4171
#1	17980.	493.0	18640.	511.0	506.5	455.2
#2	18020.	493.7	18610.	505.7	504.5	455.9
#3	17920.	492.3	18570.	505.4	501.8	458.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-386232/2-a Acquired: 8/24/2016 16:18:08 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1867.**	**2035.**	**485.6**	**513.8**	**476.5**	**479.1**
Stddev	13.	.	3.8	3.2	1.4	1.4
%RSD	.6879	.0196	.7813	.6320	.2951	.2955
#1	1856.	2035.	482.1	511.0	474.9	477.8
#2	1864.	2035.	485.0	513.0	477.7	480.6
#3	1881.	2036.	489.6	517.3	476.7	479.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**509.8**	**486.2**	**475.7**	**110.9**
Stddev	3.9	1.0	.7	3.6
%RSD	.7668	.2126	.1501	3.220
#1	506.7	487.2	476.0	108.9
#2	508.6	486.3	476.3	108.9
#3	514.2	485.1	474.9	115.1
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4234.0**	**23045.**	**4284.6**
Stddev	3.9	30.	8.3
%RSD	.09145	.12957	.19257
#1	4231.4	23012.	4276.4
#2	4232.2	23071.	4284.5
#3	4238.5	23053.	4292.9

Sample Name: CCV Acquired: 8/24/2016 16:21:47 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119200.**	**2454.**	**1214.**	**9930.**	**974.3**	**121300.**
Stddev	1196.	4.	3.	13.	9.0	227.
%RSD	1.003	.1528	.2552	.1280	.9191	.1868
#1	117900.	2451.	1210.	9917.	963.9	121100.
#2	120100.	2454.	1216.	9943.	980.0	121200.
#3	119600.	2458.	1215.	9930.	978.8	121600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1234.**	**2445.**	**4954.**	**12080.**	**98000.**	**47990.**
Stddev	1.	3.	19.	91.	417.	489.
%RSD	.1015	.1080	.3844	.7520	.4253	1.018
#1	1234.	2443.	4933.	11980.	97610.	47430.
#2	1233.	2448.	4962.	12110.	97950.	48310.
#3	1235.	2444.	4969.	12160.	98440.	48240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121100.**	**5003.**	**120000.**	**2486.**	**7416.**	**975.2**
Stddev	411.	18.	986.	5.	5.	1.8
%RSD	.3393	.3661	.8219	.2077	.0655	.1843
#1	120700.	4986.	118900.	2491.	7418.	973.2
#2	121000.	5001.	120800.	2487.	7419.	976.0
#3	121500.	5022.	120300.	2481.	7410.	976.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 16:21:47 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2420.**	**2460.**	**2452.**	**2478.**	**975.7**	**2379.**
Stddev	9.	7.	15.	13.	3.0	1.
%RSD	.3679	.2979	.5934	.5064	.3118	.0520
#1	2412.	2467.	2437.	2493.	972.1	2378.
#2	2419.	2460.	2454.	2470.	977.5	2380.
#3	2430.	2453.	2466.	2472.	977.4	2378.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**973.3**	**4908.**	**9889.**	**9522.**
Stddev	1.7	50.	42.	44.
%RSD	.1701	1.020	.4216	.4640
#1	974.1	4850.	9843.	9494.
#2	974.3	4934.	9899.	9500.
#3	971.4	4939.	9924.	9573.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3996.8**	**22153.**	**4155.9**
Stddev	16.6	100.	62.5
%RSD	.41494	.45206	1.5046
#1	3980.7	22039.	4142.4
#2	3995.8	22229.	4101.2
#3	4013.8	22190.	4224.1

Sample Name: CCB Acquired: 8/24/2016 16:25:16 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.941**	**-.9616**	**-.3359**	**.0827**	**-.1551**	**-39.10**
Stddev	3.861	.5152	.7831	.2055	.0072	9.05
%RSD	131.3	53.58	233.1	248.6	4.622	23.16
#1	-.4934	-.3938	-1.099	.2910	-.1634	-28.65
#2	7.120	-1.092	.4655	-.1199	-.1515	-43.92
#3	2.196	-1.399	-.3739	.0769	-.1505	-44.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0447**	**-.0681**	**.5454**	**.4432**	**3.183**	**37.43**
Stddev	.0537	.1658	.4497	.3087	5.817	52.15
%RSD	120.2	243.5	82.47	69.64	182.8	139.3
#1	.1050	-.2374	.9878	.0869	8.225	70.64
#2	.0021	-.0608	.5596	.6139	-3.182	64.33
#3	.0269	.0940	.0887	.6289	4.505	-22.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2629**	**-.0892**	**95.01**	**.2630**	**2.210**	**-1.203**
Stddev	3.841	.0476	17.13	.3906	1.210	.687
%RSD	1461.	53.40	18.03	148.5	54.73	57.11
#1	3.866	-.1072	112.8	.6527	3.288	-1.749
#2	.7008	-.0352	93.53	-.1284	2.441	-1.427
#3	-3.778	-.1252	78.68	.2647	.9017	-.4317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 16:25:16 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4753**	**2.019**	**-.1387**	**-.1695**	**3.114**	**.9731**
Stddev	1.391	2.713	.0661	.0581	.769	.2770
%RSD	292.6	134.4	47.66	34.28	24.70	28.47
#1	.3724	.0115	-.0854	-.2014	3.964	1.169
#2	.2820	5.105	-.1181	-.2047	2.914	1.095
#3	-2.080	.9398	-.2127	-.1024	2.465	.6561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.206**	**.0094**	**.1470**	**18.36**
Stddev	.287	.0145	.1552	10.15
%RSD	23.78	154.9	105.6	55.26
#1	1.247	-.0041	.1570	10.04
#2	1.470	.0248	.2970	29.67
#3	.9007	.0074	-.0130	15.38
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.9**	**22946.**	**4226.7**
Stddev	5.7	51.	4.3
%RSD	.13203	.22308	.10144
#1	4310.4	22952.	4221.8
#2	4320.9	22994.	4228.7
#3	4319.4	22892.	4229.6

Sample Name: CCVL Acquired: 8/24/2016 16:29:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**190.9**	**13.67**	**8.366**	**190.1**	**1.752**	**4515.**
Stddev	7.7	1.03	.485	.7	.150	35.
%RSD	4.022	7.565	5.795	.3686	8.557	.7686
#1	199.6	14.49	7.807	189.8	1.924	4480.
#2	188.1	14.02	8.614	189.5	1.646	4549.
#3	185.1	12.51	8.676	190.9	1.688	4517.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.824**	**47.53**	**9.599**	**22.37**	**154.7**	**4383.**
Stddev	.095	.08	.629	.96	2.0	54.
%RSD	2.472	.1583	6.556	4.304	1.276	1.224
#1	3.929	47.48	10.31	22.02	156.3	4332.
#2	3.745	47.49	9.127	21.63	155.4	4377.
#3	3.797	47.61	9.357	23.46	152.5	4439.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4284.**	**14.48**	**4551.**	**39.40**	**11.05**	**16.68**
Stddev	39.	.19	56.	.47	1.16	.54
%RSD	.9021	1.314	1.227	1.184	10.46	3.257
#1	4240.	14.27	4501.	39.28	11.98	16.36
#2	4297.	14.63	4539.	39.92	9.757	16.36
#3	4314.	14.55	4611.	39.01	11.41	17.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 16:29:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.81**	**21.17**	**45.28**	**30.43**	**46.10**	**18.21**
Stddev	4.33	2.15	.91	.04	.27	.03
%RSD	24.29	10.14	2.019	.1410	.5961	.1790
#1	12.81	22.83	44.36	30.47	45.94	18.19
#2	20.38	21.94	45.29	30.39	45.93	18.25
#3	20.23	18.75	46.18	30.44	46.41	18.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.14**	**18.77**	**18.54**	F **13.25**
Stddev	.70	.17	.33	9.49
%RSD	1.451	.9295	1.770	71.63
#1	47.34	18.69	18.54	8.972
#2	48.43	18.65	18.21	6.649
#3	48.64	18.97	18.86	24.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4300.6**	**22899.**	**4245.1**
Stddev	2.9	52.	23.3
%RSD	.06650	.22614	.54936
#1	4298.0	22898.	4230.5
#2	4303.7	22848.	4232.7
#3	4300.2	22951.	4272.0

Sample Name: mb 460-386232/1-a Acquired: 8/24/2016 16:33:01 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.454**	**1.218**	**-.4981**	**-.0339**	**-.2695**	**550.5**
Stddev	1.643	.518	.2603	.0708	.1036	2.5
%RSD	113.0	42.51	52.25	208.8	38.43	.4487
#1	3.348	.8240	-.7734	-.0577	-.3564	552.4
#2	.5869	1.026	-.2561	-.0898	-.1549	547.7
#3	.4257	1.805	-.4649	.0457	-.2972	551.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2279**	**-.0170**	**-.1451**	**-16.01**	**.9306**	**-17.78**
Stddev	.0319	.0154	.0912	.23	2.717	12.64
%RSD	13.99	90.79	62.89	1.442	292.0	71.06
#1	.2540	-.0093	-.0434	-16.07	2.909	-3.605
#2	.2372	-.0069	-.2199	-16.20	2.050	-27.86
#3	.1924	-.0347	-.1718	-15.75	-2.167	-21.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.146**	**-.1130**	**.5354**	**.7448**	**2.071**	**-1.754**
Stddev	2.989	.0358	1.212	.0826	.450	.481
%RSD	95.01	31.67	226.3	11.10	21.74	27.43
#1	-1.202	-.0970	.0200	.6756	1.626	-2.272
#2	-6.588	-.1540	-.3333	.8363	2.527	-1.666
#3	-1.649	-.0880	1.920	.7224	2.061	-1.322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386232/1-a Acquired: 8/24/2016 16:33:01 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.231**	**4.492**	**-.2901**	**-.0507**	**-.0593**	**.1920**
Stddev	.768	.835	.2182	.0785	.1888	.0421
%RSD	34.42	18.59	75.24	154.9	318.3	21.93
#1	-1.675	4.745	-.3624	-.1028	-.1525	.1480
#2	-1.910	5.172	-.4630	.0396	-.1834	.2319
#3	-3.107	3.560	-.0448	-.0889	.1580	.1960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1370**	**-.0715**	**.0139**	**-3.222**
Stddev	.3254	.0371	.0203	9.753
%RSD	237.6	51.88	145.3	302.7
#1	.0141	-.0696	.0286	1.515
#2	.5059	-.0353	-.0092	3.258
#3	-.1091	-.1094	.0224	-14.44
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**11893.**	**57293.**	**8269.4**
Stddev	961.	428.	78.2
%RSD	8.0802	.74730	.94525
#1	12527.	56822.	8342.8
#2	12364.	57659.	8187.2
#3	10787.	57398.	8278.2

Sample Name: 460-118859-d-1-a Acquired: 8/24/2016 16:36:55 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.00**	**.0506**	**-.4191**	**82.75**	**.2237**	**17240.**
Stddev	8.61	1.537	.4001	.38	.2561	105.
%RSD	17.93	3039.	95.48	.4643	114.5	.6116
#1	49.80	-.0011	.0338	82.37	-.0108	17130.
#2	38.64	1.613	-.5661	83.13	.4969	17340.
#3	55.57	-1.460	-.7249	82.74	.1850	17260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2847**	**12.43**	**.2970**	**10.04**	**260.2**	**7784.**
Stddev	.1589	.13	.4648	.37	10.5	138.
%RSD	55.84	1.017	156.5	3.703	4.030	1.769
#1	.3699	12.29	-.1260	10.02	251.1	7660.
#2	.3828	12.48	.2223	9.687	257.7	7759.
#3	.1013	12.53	.7946	10.43	271.6	7932.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4777.**	**374.3**	**99030.**	**6.369**	**2.857**	**-.9593**
Stddev	23.	1.9	313.	.241	.848	1.322
%RSD	.4851	.5089	.3161	3.787	29.68	137.8
#1	4755.	373.3	98690.	6.389	1.934	-2.364
#2	4801.	376.5	99110.	6.118	3.601	.2602
#3	4776.	373.2	99300.	6.600	3.036	-.7737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-d-1-a Acquired: 8/24/2016 16:36:55 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2404**	**1.887**	**-1.294**	**109.7**	**144.5**	**.3626**
Stddev	1.639	.662	.113	.5	1.2	.0518
%RSD	681.8	35.08	8.729	.4500	.8072	14.29
#1	-1.319	1.423	-1.276	109.2	143.3	.3981
#2	.0922	1.594	-1.191	109.8	144.6	.3866
#3	1.948	2.645	-1.414	110.2	145.6	.3032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5639**	**78.85**	**.7152**	**2059.**
Stddev	.4431	1.52	.1037	34.
%RSD	78.58	1.928	14.50	1.631
#1	1.061	77.38	.7797	2037.
#2	.4193	78.75	.7703	2043.
#3	.2112	80.42	.5956	2098.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4206.8**	**23014.**	**4287.3**
Stddev	5.0	94.	18.2
%RSD	.11874	.41018	.42522
#1	4212.2	22946.	4266.3
#2	4202.4	22975.	4298.9
#3	4205.7	23122.	4296.6

Sample Name: sd 460-118859-d-1-a Acquired: 8/24/2016 16:40:44 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.41**	**.5801**	**-.2862**	**16.30**	**-.0012**	**3425.**
Stddev	5.92	1.538	.2118	.14	.0507	14.
%RSD	44.10	265.2	74.01	.8460	4307.	.4147
#1	19.27	2.348	-.1008	16.14	.0025	3429.
#2	13.52	-.1530	-.2408	16.40	-.0537	3437.
#3	7.445	-.4546	-.5170	16.36	.0476	3409.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1384**	**2.533**	**-.1900**	**2.618**	**54.81**	**1549.**
Stddev	.0507	.276	.5186	.422	15.91	27.
%RSD	36.63	10.88	273.0	16.13	29.03	1.735
#1	.1915	2.230	.2369	2.146	52.91	1524.
#2	.0905	2.600	-.7671	2.751	71.58	1545.
#3	.1332	2.769	-.0398	2.959	39.93	1577.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**943.8**	**76.50**	**19410.**	**1.299**	**.5973**	**-.6469**
Stddev	13.2	.77	34.	.223	.7934	.7102
%RSD	1.395	1.003	.1754	17.18	132.8	109.8
#1	931.3	76.02	19380.	1.556	.3462	-.2658
#2	942.7	76.09	19450.	1.145	1.486	-1.466
#3	957.5	77.38	19400.	1.198	-.0401	-.2085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118859-d-1-a Acquired: 8/24/2016 16:40:44 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.578**	**1.509**	**-.6602**	**21.56**	**29.37**	**.4212**
Stddev	.338	2.084	.1514	.26	.27	.2189
%RSD	21.41	138.1	22.93	1.203	.9223	51.96
#1	-1.457	2.835	-.8193	21.27	29.24	.6712
#2	-1.959	2.584	-.6433	21.66	29.68	.2641
#3	-1.317	-.8932	-.5180	21.76	29.19	.3284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8579**	**15.60**	**.0236**	**405.0**
Stddev	.4391	.24	.0364	15.5
%RSD	51.18	1.516	154.5	3.827
#1	1.323	15.32	.0500	422.9
#2	.4510	15.72	.0388	396.0
#3	.7994	15.75	-.0180	396.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.3**	**22977.**	**4255.2**
Stddev	14.1	26.	37.3
%RSD	.32850	.11135	.87743
#1	4301.8	23002.	4296.8
#2	4274.0	22977.	4224.8
#3	4292.1	22951.	4243.9

Sample Name: 460-118859-d-2-a Acquired: 8/24/2016 16:44:37 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41.87**	**-1.271**	**-.8117**	**84.64**	**.2999**	**17610.**
Stddev	3.62	1.062	.2510	.42	.1720	86.
%RSD	8.637	83.56	30.92	.4989	57.35	.4904
#1	40.64	-.0805	-1.101	84.28	.1348	17580.
#2	45.94	-1.611	-.6620	84.55	.4780	17710.
#3	39.03	-2.121	-.6717	85.11	.2869	17540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2998**	**12.84**	**.9227**	**10.10**	**262.8**	**8027.**
Stddev	.0804	.38	.3473	.56	6.9	99.
%RSD	26.83	2.961	37.65	5.565	2.638	1.227
#1	.2108	13.28	.5246	9.462	261.8	7925.
#2	.3211	12.60	1.079	10.52	270.2	8033.
#3	.3674	12.65	1.164	10.31	256.4	8122.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4905.**	**381.7**	**101200.**	**7.354**	**4.115**	**-1.038**
Stddev	55.	1.2	133.	.059	1.988	.251
%RSD	1.122	.3198	.1316	.8006	48.32	24.19
#1	4851.	382.1	101000.	7.314	6.224	-.7534
#2	4961.	382.7	101300.	7.326	2.275	-1.132
#3	4902.	380.4	101200.	7.422	3.845	-1.229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-d-2-a Acquired: 8/24/2016 16:44:37 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0081**	**2.584**	**-1.063**	**113.0**	**147.6**	**.2603**
Stddev	1.132	2.771	.684	.2	1.3	.1518
%RSD	13960.	107.2	64.34	.1738	.8761	58.34
#1	.7299	5.296	-.4817	113.0	146.2	.1996
#2	.5574	2.698	-1.816	112.7	148.4	.1482
#3	-1.312	-.2422	-.8901	113.1	148.3	.4330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8364**	**81.53**	**.7844**	**2135.**
Stddev	.4066	1.11	.0991	60.
%RSD	48.61	1.355	12.63	2.793
#1	.4138	80.40	.6702	2071.
#2	1.225	81.60	.8351	2143.
#3	.8705	82.60	.8479	2190.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4184.9**	**23048.**	**4286.2**
Stddev	4.8	65.	28.0
%RSD	.11373	.28401	.65408
#1	4179.5	23058.	4271.6
#2	4187.0	22978.	4268.5
#3	4188.3	23108.	4318.5

Sample Name: 460-118859-d-3-a Acquired: 8/24/2016 16:48:27 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.45**	**-.1143**	**-.0488**	**58.85**	**-.1336**	**19890.**
Stddev	10.63	.6924	.5906	.40	.0747	93.
%RSD	68.84	605.9	1211.	.6848	55.90	.4691
#1	8.807	-.2910	-.0426	58.56	-.1307	20000.
#2	27.71	.6493	-.6424	58.68	-.2096	19830.
#3	9.824	-.7012	.5387	59.31	-.0604	19840.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2831**	**1.927**	**-.1301**	**13.55**	**177.3**	**7904.**
Stddev	.0255	.173	.6497	.25	6.5	93.
%RSD	9.006	8.982	499.3	1.812	3.677	1.177
#1	.3050	1.859	.6170	13.31	176.8	7804.
#2	.2892	1.798	-.5623	13.80	171.1	7918.
#3	.2551	2.124	-.4451	13.52	184.1	7988.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3270.**	**79.23**	**56200.**	**2.454**	**2.961**	**-1.066**
Stddev	13.	.06	131.	.526	.708	1.413
%RSD	.3875	.0765	.2322	21.43	23.91	132.6
#1	3271.	79.17	56100.	1.912	2.179	-1.544
#2	3282.	79.29	56160.	2.489	3.560	-2.179
#3	3256.	79.22	56350.	2.962	3.143	.5242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-d-3-a Acquired: 8/24/2016 16:48:27 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1473**	**2.047**	**-.8331**	**401.0**	**171.2**	**.1734**
Stddev	2.393	1.955	.2744	2.3	.4	.3981
%RSD	1624.	95.53	32.94	.5643	.2276	229.6
#1	-.8769	2.913	-.9866	399.2	170.8	.0207
#2	-1.563	-.1918	-.9965	400.3	171.5	.6252
#3	2.882	3.420	-.5163	403.6	171.4	-.1257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9310**	**75.96**	**.9908**	**1283.**
Stddev	.9112	1.06	.0667	19.
%RSD	97.88	1.395	6.735	1.482
#1	1.879	75.02	1.068	1265.
#2	.0618	75.76	.9568	1280.
#3	.8520	77.11	.9479	1303.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4219.3**	**22900.**	**4261.9**
Stddev	8.0	19.	20.9
%RSD	.18963	.08180	.48945
#1	4225.3	22879.	4242.9
#2	4222.3	22916.	4258.5
#3	4210.2	22904.	4284.2

Sample Name: 460-118859-d-4-a Acquired: 8/24/2016 16:52:17 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37.81**	**-.1498**	**-.5643**	**80.44**	**.1441**	**13670.**
Stddev	8.61	1.680	.3193	.12	.0523	49.
%RSD	22.77	1121.	56.59	.1489	36.31	.3610
#1	47.67	-1.999	-.1969	80.46	.1952	13630.
#2	31.78	1.282	-.7744	80.56	.0906	13660.
#3	33.99	.2681	-.7217	80.32	.1467	13730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1282**	**7.386**	**-.2571**	**14.34**	**50.13**	**5844.**
Stddev	.0477	.187	.1915	.29	8.13	14.
%RSD	37.24	2.526	74.50	1.995	16.22	.2315
#1	.1445	7.514	-.2126	14.55	54.23	5829.
#2	.1656	7.472	-.4670	14.46	55.39	5849.
#3	.0744	7.172	-.0917	14.01	40.77	5855.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5463.**	**192.4**	**63050.**	**4.081**	**1.253**	**-.4750**
Stddev	59.	1.5	274.	.803	.932	1.694
%RSD	1.088	.7974	.4352	19.68	74.37	356.6
#1	5415.	191.0	63180.	4.378	2.251	-1.713
#2	5445.	192.1	63230.	4.694	.4039	-1.167
#3	5529.	194.1	62730.	3.172	1.106	1.456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-d-4-a Acquired: 8/24/2016 16:52:17 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.356**	**2.342**	**-1.139**	**253.1**	**123.6**	**.2564**
Stddev	1.467	.611	.648	1.0	.4	.4634
%RSD	108.2	26.09	56.90	.3936	.2904	180.8
#1	2.313	2.019	-1.704	252.4	123.4	-.2587
#2	-.3326	1.960	-.4314	254.3	123.4	.3883
#3	2.087	3.046	-1.282	252.8	124.0	.6395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.362**	**75.00**	**.7852**	**2268.**
Stddev	.518	.14	.1199	20.
%RSD	38.01	.1805	15.27	.8933
#1	1.211	75.06	.7800	2281.
#2	1.939	74.84	.6679	2245.
#3	.9367	75.09	.9076	2279.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4217.7**	**22931.**	**4259.9**
Stddev	8.4	90.	35.7
%RSD	.19959	.39203	.83787
#1	4208.3	22847.	4225.7
#2	4220.1	22919.	4257.0
#3	4224.6	23026.	4296.9

Sample Name: 460-118859-e-5-a Acquired: 8/24/2016 16:56:07 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.49**	**.7921**	**-.4153**	**72.36**	**.1349**	**13930.**
Stddev	4.16	.8427	.2633	.29	.2330	55.
%RSD	20.31	106.4	63.40	.3942	172.7	.3959
#1	15.75	1.668	-.2513	72.33	.2687	13960.
#2	23.53	.7213	-.7190	72.09	.2702	13870.
#3	22.19	-.0130	-.2757	72.66	-.1342	13960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2091**	**1.255**	**-.2335**	**1.640**	**104.8**	**6085.**
Stddev	.0247	.045	.3705	.581	10.4	6.
%RSD	11.83	3.627	158.7	35.42	9.909	.1040
#1	.2287	1.229	.0652	1.719	99.11	6087.
#2	.1813	1.308	-.1177	2.178	116.8	6089.
#3	.2173	1.228	-.6482	1.024	98.48	6077.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5007.**	**38.69**	**70690.**	**1.841**	**1.479**	**-1.060**
Stddev	29.	.31	188.	.633	1.487	.093
%RSD	.5773	.7952	.2654	34.39	100.5	8.812
#1	4979.	38.43	70900.	2.314	.4748	-1.136
#2	5005.	38.62	70530.	1.122	3.187	-1.088
#3	5037.	39.03	70650.	2.087	.7758	-.9558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-e-5-a Acquired: 8/24/2016 16:56:07 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.618**	**1.879**	**-.2384**	**5.887**	**124.8**	**.3172**
Stddev	.203	2.454	.8345	.135	.5	.0784
%RSD	12.54	130.6	350.0	2.289	.4259	24.72
#1	1.443	1.156	-1.169	5.754	125.0	.2807
#2	1.840	4.613	.0088	6.023	124.2	.4072
#3	1.572	-.1330	.4445	5.882	125.2	.2636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8359**	**71.57**	**.6378**	**2105.**
Stddev	.4047	.38	.0349	14.
%RSD	48.42	.5275	5.467	.6596
#1	.5398	71.14	.6502	2094.
#2	1.297	71.75	.5984	2100.
#3	.6707	71.83	.6648	2120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4216.6**	**22980.**	**4333.8**
Stddev	8.6	102.	30.9
%RSD	.20335	.44502	.71201
#1	4206.8	22862.	4303.2
#2	4220.1	23037.	4333.2
#3	4222.8	23040.	4364.9

Sample Name: 460-118859-d-7-a Acquired: 8/24/2016 16:59:59 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.41**	**1.475**	**-.5501**	**84.52**	**.2180**	**15190.**
Stddev	17.26	.601	.1018	.50	.1216	18.
%RSD	37.19	40.72	18.51	.5898	55.79	.1195
#1	45.85	.7842	-.5865	83.95	.3105	15180.
#2	29.44	1.769	-.6286	84.72	.2634	15210.
#3	63.95	1.872	-.4350	84.89	.0802	15190.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2644**	**9.189**	**.4179**	**1.783**	**490.3**	**6720.**
Stddev	.0381	.061	.6938	.819	6.5	140.
%RSD	14.39	.6676	166.0	45.93	1.323	2.088
#1	.3018	9.248	1.047	.8446	492.3	6559.
#2	.2658	9.125	.5326	2.152	483.1	6783.
#3	.2257	9.193	-.3261	2.353	495.6	6818.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5450.**	**271.1**	**77430.**	**4.963**	**1.293**	**-.4323**
Stddev	76.	3.9	1157.	.403	1.552	1.863
%RSD	1.395	1.448	1.495	8.118	120.1	430.8
#1	5363.	266.7	76110.	5.402	3.026	.9909
#2	5483.	272.5	77940.	4.610	.8207	-2.540
#3	5504.	274.2	78250.	4.877	.0314	.2526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-d-7-a Acquired: 8/24/2016 16:59:59 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4142**	**1.873**	**-.6913**	**11.75**	**136.0**	**.0586**
Stddev	3.279	.940	.5537	.05	.8	.3927
%RSD	791.6	50.20	80.10	.4123	.5808	670.2
#1	-1.525	1.913	-.7964	11.80	135.2	.4884
#2	-2.993	.9136	-.0926	11.71	136.0	-.2815
#3	3.276	2.793	-1.185	11.75	136.8	-.0312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6235**	**78.68**	**.8232**	**2274.**
Stddev	.1764	1.58	.1107	38.
%RSD	28.29	2.011	13.45	1.687
#1	.8130	76.90	.8501	2230.
#2	.4639	79.21	.7015	2293.
#3	.5938	79.92	.9180	2299.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4199.4**	**23033.**	**4287.2**
Stddev	8.0	40.	26.6
%RSD	.19023	.17209	.61961
#1	4208.4	23020.	4317.8
#2	4196.8	23002.	4271.7
#3	4193.1	23078.	4271.9

Sample Name: 460-118859-d-10-a Acquired: 8/24/2016 17:03:51 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33.08**	**-1.089**	**-.2111**	**73.98**	**.1007**	**14150.**
Stddev	1.87	1.236	.2573	.37	.1960	179.
%RSD	5.662	113.5	121.9	.4939	194.5	1.262
#1	35.17	-.8134	-.1706	73.61	-.0054	14000.
#2	32.51	-2.440	.0235	73.99	.3269	14100.
#3	31.55	-.0135	-.4863	74.34	-.0193	14350.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2202**	**3.812**	**.3819**	**2.248**	**17.63**	**6191.**
Stddev	.0448	.165	.2860	.622	9.27	144.
%RSD	20.35	4.332	74.87	27.66	52.56	2.328
#1	.2601	3.897	.0854	1.599	8.944	6038.
#2	.1717	3.622	.6560	2.839	16.56	6211.
#3	.2288	3.918	.4045	2.307	27.38	6324.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5089.**	**117.6**	**71430.**	**3.864**	**.9830**	**-.4624**
Stddev	95.	1.9	339.	.127	.9277	1.417
%RSD	1.860	1.657	.4743	3.280	94.38	306.4
#1	4982.	115.4	71180.	3.845	2.038	.4427
#2	5124.	118.4	71280.	3.999	.2933	-2.095
#3	5162.	119.1	71810.	3.748	.6179	.2653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118859-d-10-a Acquired: 8/24/2016 17:03:51 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6351**	**.6480**	**-.6507**	**7.828**	**126.2**	**.3216**
Stddev	2.349	.5732	.4179	.186	.4	.1252
%RSD	369.8	88.47	64.23	2.379	.3057	38.92
#1	-1.246	.3586	-1.055	7.693	125.9	.2011
#2	3.268	.2770	-.6770	7.750	126.2	.3128
#3	-.1160	1.308	-.2203	8.040	126.6	.4510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8492**	**72.94**	**.6440**	**2142.**
Stddev	.5545	1.15	.2235	73.
%RSD	65.30	1.576	34.70	3.407
#1	.2441	71.66	.7455	2072.
#2	1.333	73.28	.3878	2137.
#3	.9704	73.88	.7988	2218.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4219.3**	**23082.**	**4333.1**
Stddev	7.3	52.	34.8
%RSD	.17240	.22465	.80351
#1	4225.2	23127.	4295.9
#2	4221.6	23094.	4364.8
#3	4211.2	23026.	4338.8

Sample Name: 460-118926-d-8-a Acquired: 8/24/2016 17:07:42 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.68**	**-2.074**	**-.5419**	**.3559**	**.0276**	**-2.145**
Stddev	6.08	.812	.1596	.0564	.1006	5.096
%RSD	38.76	39.17	29.45	15.84	365.3	237.5
#1	16.71	-1.322	-.5320	.3786	.0475	-3.818
#2	21.17	-1.964	-.7062	.3975	-.0816	-6.195
#3	9.149	-2.936	-.3875	.2917	.1167	3.576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0739**	**-.1342**	**.5462**	**1.303**	**24.76**	**2.007**
Stddev	.0628	.3282	.7743	.718	12.89	17.66
%RSD	84.89	244.6	141.8	55.09	52.05	879.9
#1	.1424	.1818	-.2894	1.739	14.04	14.37
#2	.0192	-.4734	.6885	1.694	21.20	9.861
#3	.0601	-.1111	1.240	.4743	39.06	-18.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.327**	**.0673**	**145.7**	**.2471**	**1.077**	**-.5168**
Stddev	4.439	.1266	14.2	.4906	.132	2.031
%RSD	70.15	188.2	9.753	198.6	12.28	393.0
#1	4.887	.1495	161.6	.5303	1.192	1.655
#2	11.31	.1309	134.3	-.3194	1.107	-.8370
#3	2.788	-.0785	141.1	.5303	.9325	-2.369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118926-d-8-a Acquired: 8/24/2016 17:07:42 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6831**	**.9384**	**-.3918**	**2.133**	**8.506**	**.3908**
Stddev	.8647	.9100	.4369	.084	.184	.2215
%RSD	126.6	96.98	111.5	3.937	2.161	56.67
#1	-1.114	.1504	.0300	2.132	8.507	.3340
#2	-1.248	1.934	-.8424	2.218	8.689	.6352
#3	.3123	.7303	-.3632	2.050	8.321	.2033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.220**	**.0400**	**.0164**	**83.51**
Stddev	.550	.0660	.1496	8.47
%RSD	45.09	165.2	910.8	10.15
#1	1.220	.0060	.1877	74.06
#2	.6695	.1161	-.0500	86.03
#3	1.770	-.0021	-.0885	90.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4301.5**	**23007.**	**4334.0**
Stddev	5.6	120.	53.9
%RSD	.12960	.52018	1.2439
#1	4305.9	23141.	4372.1
#2	4295.2	22970.	4357.7
#3	4303.3	22910.	4272.3

Sample Name: CCV Acquired: 8/24/2016 17:11:36 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120600.**	**2460.**	**1218.**	**9968.**	**985.3**	**121200.**
Stddev	275.	9.	7.	12.	3.7	532.
%RSD	.2276	.3518	.5668	.1200	.3719	.4388
#1	120900.	2465.	1226.	9971.	989.5	121600.
#2	120300.	2450.	1212.	9954.	983.4	121500.
#3	120600.	2464.	1216.	9977.	983.0	120600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1235.**	**2454.**	**4949.**	**12160.**	**98080.**	**48560.**
Stddev	2.	3.	15.	61.	283.	131.
%RSD	.1493	.1263	.2985	.4982	.2882	.2689
#1	1236.	2453.	4958.	12170.	98240.	48710.
#2	1233.	2452.	4956.	12090.	98240.	48490.
#3	1236.	2458.	4932.	12210.	97750.	48470.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121500.**	**5008.**	**121600.**	**2493.**	**7435.**	**980.7**
Stddev	366.	15.	464.	7.	8.	3.9
%RSD	.3015	.3023	.3814	.2653	.1110	.3983
#1	121800.	5023.	122100.	2495.	7432.	984.9
#2	121600.	5009.	121200.	2486.	7428.	980.2
#3	121100.	4993.	121400.	2499.	7444.	977.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 17:11:36 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2434.**	**2470.**	**2452.**	**2464.**	**983.2**	**2385.**
Stddev	5.	12.	2.	15.	1.5	10.
%RSD	.1962	.4960	.0633	.6044	.1533	.4052
#1	2434.	2459.	2452.	2481.	981.7	2379.
#2	2439.	2468.	2450.	2457.	983.0	2380.
#3	2430.	2483.	2452.	2453.	984.7	2396.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**971.0**	**4981.**	**9940.**	**9601.**
Stddev	4.9	19.	23.	85.
%RSD	.5007	.3725	.2344	.8810
#1	976.3	4999.	9963.	9633.
#2	966.7	4962.	9917.	9505.
#3	970.0	4983.	9938.	9664.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.6**	**22200.**	**4169.4**
Stddev	8.1	163.	43.0
%RSD	.20265	.73268	1.0324
#1	3983.5	22056.	4128.2
#2	3995.4	22168.	4166.0
#3	3998.9	22377.	4214.1

Sample Name: CCB Acquired: 8/24/2016 17:15:04 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.344**	**-.8737**	**-.4099**	**.2435**	**-.0843**	**-36.61**
Stddev	8.934	1.586	.3850	.1224	.0934	6.95
%RSD	167.2	181.5	93.91	50.25	110.9	18.98
#1	15.53	-1.468	-.2622	.3317	-.1350	-38.68
#2	-1.164	.9231	-.1207	.2950	.0236	-42.29
#3	1.666	-2.077	-.8469	.1038	-.1413	-28.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1002**	**.0069**	**.2656**	**.9257**	**17.54**	**1.361**
Stddev	.0849	.0477	.4268	.4543	6.81	40.22
%RSD	84.67	691.2	160.7	49.08	38.84	2955.
#1	.0263	.0604	-.0823	1.270	25.38	29.40
#2	.1929	-.0311	.1374	.4108	14.09	19.40
#3	.0815	-.0086	.7419	1.096	13.14	-44.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.856**	**-.0675**	**79.93**	**.2413**	**2.217**	**-1.223**
Stddev	3.385	.0515	27.98	.5933	1.273	.937
%RSD	87.78	76.26	35.00	245.8	57.41	76.63
#1	7.647	-.0243	109.1	.2518	.7970	-1.210
#2	1.137	-.0537	77.47	-.3571	3.255	-2.166
#3	2.784	-.1244	53.27	.8293	2.598	-.2923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 17:15:04 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.643**	**3.298**	**-.4023**	**-.0304**	**1.864**	**1.220**
Stddev	1.244	.959	.5672	.0611	.288	.244
%RSD	47.07	29.08	141.0	201.0	15.46	19.98
#1	-1.253	2.735	-.5336	.0102	2.161	1.501
#2	-3.025	4.405	-.8923	-.0008	1.845	1.067
#3	-3.652	2.752	.2191	-.1006	1.586	1.092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.125**	**-.0479**	**.4169**	**19.30**
Stddev	.391	.0618	.1668	9.72
%RSD	34.78	129.0	40.00	50.34
#1	.6984	.0148	.5418	30.45
#2	1.209	-.1088	.4815	12.58
#3	1.467	-.0498	.2275	14.88
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4313.5**	**22930.**	**4325.9**
Stddev	8.6	122.	54.5
%RSD	.19942	.53358	1.2601
#1	4323.4	23067.	4377.2
#2	4309.6	22831.	4331.8
#3	4307.6	22893.	4268.7

Sample Name: CCVL Acquired: 8/24/2016 17:18:58 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**190.0**	**11.88**	**8.198**	**190.5**	**1.774**	**4481.**
Stddev	4.1	.43	.529	.6	.112	6.
%RSD	2.145	3.595	6.459	.2907	6.292	.1436
#1	185.3	11.85	8.658	190.2	1.702	4476.
#2	192.2	12.32	7.619	190.2	1.902	4488.
#3	192.5	11.47	8.317	191.2	1.717	4480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.930**	**47.82**	**9.646**	**22.39**	**155.5**	**4386.**
Stddev	.034	.17	.215	.14	6.1	21.
%RSD	.8686	.3564	2.226	.6079	3.947	.4796
#1	3.968	47.67	9.444	22.36	162.1	4365.
#2	3.902	48.01	9.872	22.26	154.6	4386.
#3	3.920	47.79	9.623	22.53	149.9	4407.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4274.**	**14.49**	**4515.**	**39.19**	**11.40**	**16.84**
Stddev	23.	.15	53.	.29	.73	1.83
%RSD	.5310	1.068	1.180	.7280	6.417	10.88
#1	4247.	14.37	4454.	39.12	11.43	16.15
#2	4287.	14.42	4541.	38.94	10.66	15.45
#3	4286.	14.66	4551.	39.50	12.12	18.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 17:18:58 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.69**	**20.68**	**45.46**	**30.52**	**45.58**	**18.26**
Stddev	2.29	1.72	.96	.31	.33	.02
%RSD	13.73	8.337	2.107	1.005	.7266	.0952
#1	18.79	22.67	45.17	30.45	45.83	18.24
#2	14.25	19.57	46.53	30.26	45.70	18.27
#3	17.03	19.80	44.68	30.86	45.21	18.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.58**	**18.65**	**18.91**	F **22.69**
Stddev	1.00	.12	.16	9.40
%RSD	2.052	.6429	.8539	41.43
#1	47.51	18.51	18.75	14.78
#2	48.78	18.69	19.07	20.22
#3	49.47	18.74	18.90	33.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.9**	**22930.**	**4271.9**
Stddev	5.9	78.	58.2
%RSD	.13812	.33873	1.3619
#1	4283.2	22841.	4253.0
#2	4294.6	22966.	4225.5
#3	4291.9	22983.	4337.2

Sample Name: pds 460-119026-a-1-a Acquired: 8/24/2016 17:22:50 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1917.**	**1940.**	**46.73**	**2035.**	**49.44**	**45110.**
Stddev	21.	18.	.30	22.	.80	131.
%RSD	1.114	.9519	.6350	1.098	1.613	.2908
#1	1895.	1919.	46.44	2013.	48.53	45060.
#2	1918.	1946.	47.04	2034.	49.78	45020.
#3	1938.	1955.	46.71	2058.	50.01	45260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.77**	**490.2**	**196.9**	**238.1**	**1281.**	**27780.**
Stddev	.65	6.2	3.3	3.4	7.	152.
%RSD	1.315	1.258	1.660	1.443	.5483	.5454
#1	49.02	483.1	193.7	234.4	1273.	27650.
#2	50.11	493.5	196.6	238.8	1282.	27740.
#3	50.18	494.0	200.3	241.1	1287.	27940.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39240.**	**636.1**	**213500.**	**500.7**	**498.5**	**459.7**
Stddev	83.	3.9	2741.	6.1	6.1	4.6
%RSD	.2114	.6103	1.284	1.218	1.232	1.006
#1	39140.	633.0	216500.	493.7	491.6	454.3
#2	39280.	634.9	212600.	503.4	500.4	462.6
#3	39290.	640.5	211200.	504.9	503.3	462.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-119026-a-1-a Acquired: 8/24/2016 17:22:50 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1945.**	**1967.**	**488.3**	**545.7**	**624.8**	**478.1**
Stddev	19.	26.	7.4	6.9	4.0	7.1
%RSD	.9989	1.302	1.509	1.266	.6386	1.491
#1	1923.	1939.	480.6	537.8	620.2	470.1
#2	1957.	1974.	489.2	548.5	627.6	480.5
#3	1956.	1989.	495.3	550.7	626.5	483.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**512.3**	**730.9**	**478.3**	**2110.**
Stddev	5.5	2.8	5.6	24.
%RSD	1.080	.3859	1.166	1.137
#1	506.5	729.5	473.7	2106.
#2	512.9	729.0	476.8	2135.
#3	517.5	734.1	484.5	2088.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.6**	**22718.**	**4161.1**
Stddev	8.5	85.	35.3
%RSD	.20638	.37327	.84889
#1	4105.8	22786.	4198.5
#2	4088.9	22744.	4156.6
#3	4098.3	22623.	4128.3

Sample Name: 460-119026-a-1-c ms Acquired: 8/24/2016 17:26:26 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**431.4**	**417.2**	**10.33**	**481.2**	**10.54**	**31350.**
Stddev	7.8	6.4	.58	7.9	.14	520.
%RSD	1.812	1.526	5.657	1.644	1.346	1.659
#1	435.7	424.1	10.25	488.5	10.55	31720.
#2	422.3	416.0	10.95	482.4	10.67	31580.
#3	436.0	411.5	9.789	472.8	10.39	30760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.86**	**105.1**	**42.31**	**52.18**	**513.6**	**13570.**
Stddev	.29	1.6	.63	.40	12.9	84.
%RSD	2.716	1.475	1.488	.7730	2.511	.6184
#1	10.94	106.8	42.42	51.97	509.7	13610.
#2	11.11	104.9	42.88	52.64	528.0	13620.
#3	10.54	103.7	41.63	51.92	503.2	13470.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25490.**	**265.4**	**204600.**	**108.2**	**108.0**	**95.51**
Stddev	443.	3.5	3606.	1.0	2.3	2.07
%RSD	1.739	1.321	1.762	.9278	2.168	2.171
#1	25810.	267.6	208100.	109.4	110.5	97.66
#2	25670.	267.3	204800.	107.8	107.4	95.34
#3	24980.	261.4	200900.	107.5	106.0	93.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119026-a-1-c ms Acquired: 8/24/2016 17:26:26 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**410.1**	**417.7**	**104.7**	**135.5**	**245.3**	**101.5**
Stddev	4.5	5.1	1.2	1.8	3.3	1.4
%RSD	1.089	1.226	1.129	1.331	1.360	1.389
#1	414.9	423.6	105.4	136.9	248.7	102.8
#2	409.3	414.0	105.4	136.0	245.3	101.7
#3	406.1	415.6	103.4	133.5	242.0	100.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**107.1**	**360.7**	**104.9**	**2109.**
Stddev	.5	5.0	1.0	10.
%RSD	.5077	1.386	.9391	.4687
#1	106.7	364.3	105.6	2106.
#2	106.8	362.8	105.2	2120.
#3	107.7	355.0	103.7	2101.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4110.6**	**22654.**	**4157.2**
Stddev	3.0	147.	27.7
%RSD	.07213	.65082	.66661
#1	4108.3	22724.	4139.6
#2	4114.0	22485.	4142.9
#3	4109.7	22753.	4189.2

Sample Name: 460-119026-a-1-b du Acquired: 8/24/2016 17:30:12 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39.30**	**2.343**	**-.3052**	**55.38**	**.0356**	**25830.**
Stddev	1.21	1.233	.1611	.19	.0307	154.
%RSD	3.079	52.63	52.79	.3392	86.20	.5961
#1	39.70	2.837	-.2116	55.39	.0640	25870.
#2	40.26	.9397	-.2129	55.56	.0030	25950.
#3	37.94	3.253	-.4913	55.19	.0398	25650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3113**	**.2699**	**-.1008**	**2.024**	**292.5**	**8786.**
Stddev	.0596	.2361	.7218	.131	8.2	48.
%RSD	19.13	87.48	716.0	6.471	2.806	.5514
#1	.2437	.0847	-.6083	1.887	283.0	8801.
#2	.3345	.1893	.7255	2.148	297.2	8732.
#3	.3558	.5358	-.4197	2.036	297.2	8826.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20370.**	**150.0**	**188500.**	**.8010**	**1.362**	**-.4735**
Stddev	119.	1.4	2093.	.2219	1.105	.6263
%RSD	.5817	.9497	1.110	27.70	81.12	132.3
#1	20380.	148.9	190900.	.9122	2.543	.2276
#2	20490.	151.6	187700.	.9452	.3527	-.9776
#3	20260.	149.5	187000.	.5455	1.191	-.6705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119026-a-1-b du Acquired: 8/24/2016 17:30:12 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.249**	**2.289**	**.7901**	**24.63**	**137.6**	**1.169**
Stddev	.658	.358	.2030	.21	.8	.049
%RSD	20.26	15.66	25.69	.8505	.5735	4.219
#1	-3.173	2.141	.5832	24.87	136.8	1.116
#2	-2.632	2.029	.7982	24.57	138.3	1.213
#3	-3.942	2.698	.9890	24.47	137.7	1.179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5532**	**240.9**	**1.443**	**1988.**
Stddev	.8707	1.3	.269	71.
%RSD	157.4	.5374	18.65	3.584
#1	-.8138	242.4	1.694	1922.
#2	-1.264	240.1	1.159	1977.
#3	.4181	240.2	1.475	2064.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.3**	**22945.**	**4257.4**
Stddev	9.6	133.	141.1
%RSD	.23138	.58150	3.3130
#1	4158.0	22845.	4108.1
#2	4159.7	22892.	4275.8
#3	4142.2	23096.	4388.3

Sample Name: 460-119026-a-1-a@5 Acquired: 8/24/2016 17:34:03 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.40**	**1.543**	**-.5362**	**56.29**	**-.0780**	**26360.**
Stddev	9.84	1.047	.3629	.02	.0586	114.
%RSD	19.53	67.82	67.69	.0405	75.06	.4304
#1	47.22	.3476	-.8399	56.26	-.1456	26450.
#2	61.44	1.988	-.6344	56.30	-.0477	26400.
#3	42.54	2.294	-.1343	56.30	-.0409	26230.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1515**	**.2229**	**.4317**	**1.505**	**307.4**	**9022.**
Stddev	.0993	.2196	.0672	.388	16.2	79.
%RSD	65.56	98.50	15.58	25.78	5.282	.8760
#1	.1934	.3973	.5073	1.880	325.9	8937.
#2	.0381	.2952	.3788	1.530	301.1	9093.
#3	.2230	-.0237	.4088	1.105	295.3	9036.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20730.**	**153.3**	**192300.**	**1.344**	**2.812**	**-.7586**
Stddev	93.	.6	1263.	.623	2.207	1.060
%RSD	.4481	.4173	.6564	46.35	78.49	139.7
#1	20820.	152.7	193600.	1.328	.2826	-1.914
#2	20740.	154.0	192300.	.7293	4.347	-.5302
#3	20640.	153.4	191100.	1.975	3.805	.1683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119026-a-1-a@5 Acquired: 8/24/2016 17:34:03 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9652**	**1.588**	**1.047**	**25.26**	**139.5**	**1.325**
Stddev	2.483	2.958	.589	.07	1.0	.089
%RSD	257.3	186.3	56.21	.2902	.7015	6.711
#1	3.136	4.169	.7796	25.29	138.5	1.398
#2	1.502	2.234	.6400	25.18	139.4	1.226
#3	-1.742	-1.640	1.722	25.31	140.5	1.351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4169**	**245.9**	**1.286**	**2012.**
Stddev	1.175	.6	.045	23.
%RSD	282.0	.2531	3.478	1.131
#1	-.4498	246.4	1.282	2000.
#2	-1.575	246.2	1.244	2039.
#3	.7746	245.2	1.333	1999.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4139.9**	**22842.**	**4186.2**
Stddev	9.3	107.	7.4
%RSD	.22462	.46949	.17669
#1	4137.5	22755.	4187.6
#2	4150.1	22809.	4192.7
#3	4132.0	22962.	4178.1

Sample Name: sd 460-119026-a-1-a Acquired: 8/24/2016 17:37:53 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.417**	**-.7559**	**.2045**	**11.21**	**-.1576**	**5263.**
Stddev	10.40	.4939	.3625	.11	.1614	22.
%RSD	162.0	65.34	177.2	.9969	102.4	.4233
#1	16.79	-.9470	.5265	11.20	-.1655	5285.
#2	-3.999	-.1949	-.1882	11.33	.0076	5265.
#3	6.457	-1.126	.2753	11.11	-.3150	5240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1311**	**-.0407**	**-.3465**	**.7508**	**77.81**	**1778.**
Stddev	.0208	.0524	.2120	.4061	3.83	32.
%RSD	15.87	128.7	61.19	54.09	4.918	1.795
#1	.1526	-.0143	-.1733	.2821	77.49	1763.
#2	.1297	-.0068	-.2832	.9960	81.79	1815.
#3	.1110	-.1011	-.5830	.9744	74.15	1757.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4120.**	**30.71**	**38960.**	**.5044**	**1.108**	**-.7177**
Stddev	21.	.03	98.	.0838	.548	.6400
%RSD	.5194	.0997	.2509	16.62	49.48	89.17
#1	4103.	30.68	38940.	.4851	1.735	-.8116
#2	4114.	30.73	39070.	.5962	.8700	-.0359
#3	4144.	30.73	38880.	.4319	.7191	-1.306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-119026-a-1-a Acquired: 8/24/2016 17:37:53 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.738**	**3.149**	**.0409**	**4.939**	**27.99**	**.3903**
Stddev	.242	1.075	.2734	.212	.19	.2306
%RSD	6.481	34.12	668.3	4.287	.6671	59.08
#1	-3.530	1.913	-.0699	4.755	27.99	.3628
#2	-4.004	3.855	.3523	4.892	28.17	.6335
#3	-3.680	3.680	-.1597	5.170	27.80	.1748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7684**	**50.17**	**.3528**	**397.6**
Stddev	.7359	.44	.1946	.9
%RSD	95.78	.8705	55.16	.2281
#1	1.567	49.66	.5241	396.7
#2	.6194	50.46	.1412	397.7
#3	.1183	50.37	.3931	398.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4252.3**	**22903.**	**4228.5**
Stddev	10.6	112.	76.3
%RSD	.24885	.49026	1.8056
#1	4241.4	22815.	4176.9
#2	4253.0	22865.	4192.5
#3	4262.5	23030.	4316.2

Sample Name: pds 460-118944-a-31- Acquired: 8/24/2016 17:41:45 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35830.**	**1881.**	**46.73**	**2312.**	**49.05**	**71380.**
Stddev	1020.	5.	.47	1.	1.25	290.
%RSD	2.846	.2547	.9969	.0311	2.541	.4063
#1	34660.	1885.	46.22	2312.	47.61	71240.
#2	36340.	1882.	47.13	2312.	49.81	71710.
#3	36490.	1876.	46.83	2313.	49.72	71190.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.88**	**516.1**	**268.6**	**390.8**	**75780.**	**21090.**
Stddev	.27	.6	.6	2.3	406.	440.
%RSD	.5491	.1144	.2314	.6008	.5358	2.087
#1	48.57	516.6	269.2	393.1	75830.	20580.
#2	49.04	516.1	268.8	390.9	76160.	21360.
#3	49.03	515.5	268.0	388.4	75350.	21340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39410.**	**1779.**	**18670.**	**535.6**	**2561.**	**440.1**
Stddev	154.	7.	513.	1.2	2.	1.0
%RSD	.3916	.3846	2.749	.2149	.0955	.2277
#1	39410.	1777.	18080.	534.4	2563.	441.0
#2	39560.	1787.	18950.	535.6	2561.	439.0
#3	39250.	1774.	18990.	536.7	2558.	440.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118944-a-31- Acquired: 8/24/2016 17:41:45 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1826.**	**1927.**	**568.8**	**1707.**	**481.3**	**467.7**
Stddev	5.	10.	3.6	4.	2.2	3.5
%RSD	.2795	.5386	.6293	.2135	.4614	.7566
#1	1826.	1926.	571.6	1704.	480.3	466.1
#2	1821.	1918.	570.1	1706.	479.7	465.3
#3	1831.	1938.	564.8	1711.	483.8	471.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**530.6**	**609.1**	**1553.**	**1538.**
Stddev	1.7	16.2	6.	34.
%RSD	.3264	2.661	.3917	2.206
#1	529.8	590.5	1554.	1499.
#2	529.4	616.7	1559.	1554.
#3	532.6	620.1	1547.	1562.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4199.9**	**23041.**	**4380.4**
Stddev	15.4	178.	79.9
%RSD	.36742	.77208	1.8235
#1	4182.1	22866.	4470.0
#2	4209.5	23036.	4354.7
#3	4208.2	23222.	4316.6

Sample Name: 460-118944-a-31-h ms Acquired: 8/24/2016 17:45:17 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34710.**	**968.6**	**24.45**	**1317.**	**25.97**	**61510.**
Stddev	598.	1.6	.58	2.	.65	227.
%RSD	1.721	.1606	2.390	.1209	2.497	.3694
#1	34020.	967.0	24.45	1317.	25.25	61250.
#2	35070.	970.1	23.87	1319.	26.50	61680.
#3	35040.	968.7	25.04	1316.	26.17	61600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.10**	**276.0**	**162.4**	**246.3**	**54980.**	**12140.**
Stddev	.34	1.2	1.6	.7	148.	236.
%RSD	1.370	.4288	1.014	.3030	.2685	1.947
#1	25.25	276.3	160.5	246.0	54810.	11870.
#2	25.35	277.0	163.5	245.8	55060.	12300.
#3	24.71	274.7	163.1	247.2	55070.	12240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30320.**	**1164.**	**9861.**	**293.3**	**2589.**	**152.7**
Stddev	55.	3.	194.	1.6	16.	1.4
%RSD	.1807	.2621	1.967	.5562	.6073	.9439
#1	30250.	1161.	9638.	293.5	2592.	151.3
#2	30350.	1165.	9972.	294.9	2603.	154.1
#3	30340.	1167.	9975.	291.6	2572.	152.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-31-h ms Acquired: 8/24/2016 17:45:17 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**924.6**	**994.3**	**319.5**	**722.0**	**249.9**	**238.0**
Stddev	11.3	3.8	1.7	7.5	3.0	1.3
%RSD	1.218	.3850	.5472	1.044	1.207	.5528
#1	916.1	992.9	317.4	725.5	246.6	237.0
#2	920.4	991.4	320.3	727.2	250.6	237.5
#3	937.4	998.6	320.6	713.4	252.6	239.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**275.7**	**366.9**	**1091.**	**2072.**
Stddev	2.4	7.2	2.	34.
%RSD	.8720	1.958	.1869	1.627
#1	273.2	358.6	1089.	2033.
#2	275.9	371.2	1091.	2091.
#3	278.0	370.9	1093.	2091.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4229.8**	**23001.**	**4335.4**
Stddev	12.5	88.	41.9
%RSD	.29594	.38397	.96736
#1	4217.1	22950.	4317.9
#2	4230.0	22950.	4305.0
#3	4242.2	23103.	4383.2

Sample Name: 460-118944-a-31-g du Acquired: 8/24/2016 17:48:55 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34190.**	**61.30**	**1.940**	**369.9**	**1.814**	**54650.**
Stddev	954.	2.73	.788	.6	.024	276.
%RSD	2.791	4.447	40.60	.1606	1.344	.5054
#1	33120.	61.12	2.190	370.4	1.800	54330.
#2	34950.	64.11	1.058	370.0	1.842	54830.
#3	34500.	58.67	2.572	369.2	1.799	54780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5948**	**36.54**	**78.52**	**163.3**	**76600.**	**3135.**
Stddev	.1882	.40	.82	1.2	387.	55.
%RSD	31.64	1.105	1.041	.7173	.5051	1.767
#1	.8121	36.54	78.16	161.9	76180.	3072.
#2	.4906	36.14	79.45	164.0	76940.	3177.
#3	.4818	36.95	77.94	164.0	76690.	3156.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20820.**	**1261.**	**712.4**	**48.83**	**2500.**	**7.243**
Stddev	128.	5.	9.1	.80	35.	.661
%RSD	.6146	.4323	1.273	1.635	1.419	9.121
#1	20680.	1255.	702.2	48.38	2473.	7.826
#2	20920.	1266.	719.6	48.35	2486.	6.525
#3	20860.	1261.	715.5	49.75	2540.	7.377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-31-g du Acquired: 8/24/2016 17:48:55 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.387**	**2.469**	**104.8**	**624.7**	**14.56**	**3.536**
Stddev	1.188	1.174	2.2	10.3	.20	.191
%RSD	85.64	47.56	2.132	1.641	1.357	5.393
#1	2.735	1.303	102.3	618.3	14.76	3.755
#2	.9305	3.651	105.4	619.2	14.37	3.436
#3	.4949	2.453	106.7	636.5	14.55	3.415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**43.68**	**137.3**	**1065.**	**1389.**
Stddev	1.06	3.7	4.	25.
%RSD	2.422	2.686	.3948	1.782
#1	43.03	133.1	1060.	1361.
#2	43.11	140.0	1068.	1409.
#3	44.90	138.7	1067.	1395.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4267.7**	**23218.**	**4399.3**
Stddev	16.1	108.	64.7
%RSD	.37673	.46445	1.4709
#1	4252.0	23252.	4459.1
#2	4266.8	23097.	4330.6
#3	4284.1	23304.	4408.2

Sample Name: 460-118944-a-31-f@4 Acquired: 8/24/2016 17:52:39 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34110.**	**33.39**	**1.135**	**375.0**	**2.034**	**52920.**
Stddev	744.	1.16	.032	.8	.135	220.
%RSD	2.181	3.466	2.804	.2212	6.652	.4153
#1	33250.	33.76	1.161	374.3	2.186	52940.
#2	34470.	34.31	1.100	374.8	1.927	53130.
#3	34600.	32.09	1.145	375.9	1.990	52690.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.256**	**39.25**	**76.79**	**160.4**	**75060.**	**3250.**
Stddev	.120	.16	.56	1.7	120.	60.
%RSD	9.554	.4002	.7305	1.046	.1603	1.860
#1	1.121	39.26	76.15	158.9	75030.	3186.
#2	1.299	39.09	77.02	160.2	75200.	3259.
#3	1.349	39.41	77.20	162.2	74970.	3306.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21490.**	**1312.**	**713.5**	**51.38**	**2125.**	**1.338**
Stddev	87.	3.	24.3	.49	2.	1.122
%RSD	.4039	.2452	3.413	.9470	.0728	83.88
#1	21480.	1310.	686.1	51.01	2124.	.9132
#2	21580.	1316.	732.8	51.20	2127.	2.610
#3	21410.	1311.	721.6	51.93	2124.	.4899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-31-f@4 Acquired: 8/24/2016 17:52:39 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6377**	**2.115**	**97.71**	**1226.**	**15.06**	**2.478**
Stddev	3.231	2.767	.68	6.	.23	.456
%RSD	506.7	130.8	.6977	.4845	1.539	18.42
#1	1.052	-1.048	97.00	1232.	15.29	2.034
#2	1.398	4.085	97.78	1222.	14.83	2.946
#3	-4.364	3.308	98.35	1223.	15.06	2.454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**36.63**	**144.0**	**1079.**	**1486.**
Stddev	.63	3.0	3.	8.
%RSD	1.722	2.105	.2559	.5627
#1	37.25	140.5	1076.	1477.
#2	35.99	145.4	1082.	1486.
#3	36.66	146.0	1078.	1494.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4282.4**	**23166.**	**4380.9**
Stddev	16.9	155.	38.7
%RSD	.39421	.66892	.88360
#1	4263.0	23013.	4424.0
#2	4293.2	23163.	4349.2
#3	4291.1	23323.	4369.4

Sample Name: sd 460-118944-a-31-f Acquired: 8/24/2016 17:56:23 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6761.**	**5.337**	**.0141**	**74.48**	**.2610**	**10470.**
Stddev	35.	1.984	.4520	.22	.1562	12.
%RSD	.5191	37.18	3211.	.2928	59.82	.1162
#1	6745.	7.271	.1995	74.25	.4413	10460.
#2	6801.	3.306	-.5011	74.49	.1680	10480.
#3	6737.	5.434	.3438	74.69	.1738	10460.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1074**	**7.723**	**15.22**	**30.29**	**15230.**	**658.7**
Stddev	.0770	.187	.33	.23	117.	12.6
%RSD	71.67	2.417	2.149	.7634	.7705	1.907
#1	.0411	7.610	15.27	30.37	15120.	658.0
#2	.0893	7.620	14.87	30.03	15200.	646.5
#3	.1919	7.938	15.52	30.47	15350.	671.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4255.**	**268.1**	**169.2**	**10.34**	**424.2**	**-.3859**
Stddev	30.	2.2	1.5	.34	1.2	.5063
%RSD	.7024	.8185	.8789	3.250	.2762	131.2
#1	4222.	266.1	169.8	10.28	423.5	-.7586
#2	4263.	267.7	167.5	10.04	423.6	.1905
#3	4281.	270.5	170.4	10.70	425.6	-.5897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118944-a-31-f Acquired: 8/24/2016 17:56:23 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4809**	**2.466**	**18.92**	**250.7**	**3.560**	**.4866**
Stddev	3.903	.085	.76	2.2	.157	.2955
%RSD	811.7	3.440	4.014	.8705	4.396	60.74
#1	-3.963	2.483	18.11	248.6	3.509	.1861
#2	3.357	2.541	19.62	250.4	3.736	.4967
#3	2.048	2.374	19.03	253.0	3.436	.7769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.097**	**28.67**	**217.1**	**298.0**
Stddev	1.458	.17	1.9	10.1
%RSD	20.55	.6103	.8636	3.376
#1	5.427	28.49	215.3	303.3
#2	7.745	28.83	217.0	286.4
#3	8.119	28.70	219.0	304.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4338.3**	**23236.**	**4346.7**
Stddev	16.9	31.	11.5
%RSD	.38868	.13127	.26561
#1	4353.5	23267.	4360.1
#2	4341.1	23206.	4339.9
#3	4320.1	23234.	4340.2

Sample Name: CCV Acquired: 8/24/2016 18:00:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120200.**	**2439.**	**1217.**	**9976.**	**983.1**	**121900.**
Stddev	1214.	5.	3.	5.	7.3	845.
%RSD	1.010	.1899	.2870	.0527	.7400	.6927
#1	118900.	2434.	1214.	9980.	975.5	121900.
#2	121200.	2442.	1220.	9979.	990.0	122800.
#3	120600.	2442.	1216.	9970.	984.0	121100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1237.**	**2448.**	**4963.**	**12050.**	**98280.**	**48360.**
Stddev	2.	.	29.	104.	413.	537.
%RSD	.1540	.0189	.5757	.8663	.4197	1.111
#1	1238.	2448.	4957.	11960.	98060.	47740.
#2	1237.	2448.	4995.	12020.	98760.	48710.
#3	1235.	2449.	4939.	12170.	98040.	48620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121600.**	**5026.**	**121200.**	**2491.**	**7413.**	**970.0**
Stddev	398.	25.	1007.	7.	19.	3.5
%RSD	.3274	.4893	.8308	.2776	.2555	.3579
#1	121400.	5013.	120100.	2497.	7433.	966.0
#2	122100.	5055.	122100.	2492.	7395.	971.4
#3	121300.	5011.	121300.	2483.	7412.	972.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 18:00:10 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2410.**	**2449.**	**2441.**	**2474.**	**974.3**	**2379.**
Stddev	9.	5.	4.	16.	4.4	3.
%RSD	.3571	.2198	.1835	.6370	.4549	.1209
#1	2400.	2455.	2436.	2492.	969.2	2378.
#2	2415.	2446.	2445.	2462.	976.2	2382.
#3	2415.	2446.	2442.	2469.	977.4	2376.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**972.9**	**4951.**	**9887.**	**9409.**
Stddev	3.5	52.	44.	109.
%RSD	.3564	1.055	.4412	1.156
#1	976.6	4891.	9837.	9370.
#2	969.8	4981.	9919.	9325.
#3	972.1	4982.	9905.	9532.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4010.7**	**22083.**	**4114.8**
Stddev	14.2	210.	68.6
%RSD	.35307	.94948	1.6667
#1	3994.4	22001.	4101.3
#2	4020.2	21927.	4054.0
#3	4017.5	22322.	4189.2

Sample Name: CCB Acquired: 8/24/2016 18:03:38 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.420**	**-.0089**	**-.2089**	**.0398**	**-.1034**	**-33.35**
Stddev	5.862	.6738	.3596	.1208	.0765	8.09
%RSD	79.00	7579.	172.1	303.6	74.06	24.25
#1	8.471	.2098	-.5241	-.0968	-.1459	-41.53
#2	1.104	.5284	-.2856	.0837	-.0150	-25.36
#3	12.69	-.7648	.1828	.1325	-.1492	-33.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0151**	**-.0714**	**-.2201**	**.9030**	**15.41**	**17.43**
Stddev	.0772	.0544	.5977	.2952	11.67	37.83
%RSD	509.3	76.17	271.6	32.69	75.76	217.0
#1	.0869	-.0931	-.1373	.9266	13.71	37.72
#2	-.0664	-.1115	-.8549	1.186	4.676	40.78
#3	.0250	-.0095	.3320	.5967	27.84	-26.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.432**	**-.1028**	**62.15**	**.2206**	**.1840**	**-.8701**
Stddev	6.911	.1344	18.13	.3071	.7013	2.287
%RSD	201.4	130.8	29.17	139.2	381.2	262.8
#1	11.33	-.0332	81.15	.1316	.9291	-3.089
#2	-1.519	-.0175	60.26	.5624	.0861	1.479
#3	.4870	-.2577	45.04	-.0321	-.4633	-.9996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 18:03:38 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.120**	**1.056**	**-.6142**	**-.0312**	**2.211**	**.9207**
Stddev	2.624	1.547	.0679	.1373	.327	.0960
%RSD	234.2	146.5	11.05	439.7	14.80	10.43
#1	-2.390	.9252	-.6296	-.1897	2.473	.9174
#2	1.897	-.4215	-.5400	.0447	2.315	1.018
#3	-2.868	2.663	-.6731	.0513	1.844	.8264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.403**	**-.0607**	**.0818**	**21.26**
Stddev	.385	.0349	.1256	11.73
%RSD	27.42	57.59	153.6	55.17
#1	1.796	-.0505	.2267	20.97
#2	1.385	-.0996	.0140	33.13
#3	1.027	-.0319	.0046	9.677
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4325.4**	**22900.**	**4258.9**
Stddev	9.1	31.	12.2
%RSD	.21023	.13335	.28619
#1	4333.8	22886.	4245.8
#2	4315.7	22879.	4261.1
#3	4326.5	22935.	4269.8

Sample Name: CCVL Acquired: 8/24/2016 18:07:32 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**188.4**	**12.82**	**8.191**	**190.5**	**1.848**	**4473.**
Stddev	6.1	.21	.633	1.5	.156	58.
%RSD	3.232	1.667	7.729	.7947	8.437	1.293
#1	181.5	12.96	7.747	188.9	1.818	4408.
#2	191.0	12.58	7.910	192.0	2.017	4490.
#3	192.8	12.93	8.916	190.7	1.709	4519.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.820**	**47.64**	**9.529**	**21.38**	**152.8**	**4413.**
Stddev	.029	.78	.572	.39	16.9	10.
%RSD	.7670	1.630	6.001	1.814	11.05	.2297
#1	3.788	46.84	9.758	21.06	144.7	4405.
#2	3.846	48.39	8.879	21.81	141.4	4424.
#3	3.827	47.70	9.951	21.26	172.2	4410.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4235.**	**14.21**	**4512.**	**39.64**	**10.97**	**16.81**
Stddev	68.	.34	58.	1.09	.93	1.42
%RSD	1.615	2.388	1.278	2.755	8.478	8.476
#1	4157.	13.83	4448.	38.42	12.00	15.97
#2	4266.	14.47	4560.	40.52	10.75	16.01
#3	4283.	14.34	4529.	39.97	10.17	18.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 18:07:32 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.62**	**20.86**	**45.16**	**30.67**	**44.91**	**18.31**
Stddev	2.06	.76	.79	.86	.85	.46
%RSD	11.06	3.637	1.744	2.818	1.883	2.497
#1	17.63	21.69	44.47	29.68	44.55	18.14
#2	20.98	20.21	46.02	31.23	45.87	18.82
#3	17.23	20.66	44.98	31.12	44.30	17.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.17**	**18.82**	**18.53**	F **21.06**
Stddev	.14	.02	.51	12.83
%RSD	.2923	.0973	2.735	60.92
#1	48.04	18.80	18.07	13.22
#2	48.17	18.83	19.07	14.10
#3	48.32	18.82	18.46	35.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4321.7**	**23168.**	**4280.3**
Stddev	37.2	211.	28.0
%RSD	.86180	.90978	.65308
#1	4364.7	23411.	4297.1
#2	4300.5	23050.	4295.9
#3	4299.9	23043.	4248.0

Sample Name: mb 460-386484/1-a@2 Acquired: 8/24/2016 18:11:22 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.939**	**.3378**	**-.2968**	**.0621**	**-.0397**	**-38.48**
Stddev	14.55	.5341	.4160	.2590	.1591	5.49
%RSD	162.7	158.1	140.2	417.4	400.8	14.26
#1	-5.436	.2063	.0389	-.1692	.0513	-33.11
#2	23.65	-.1182	-.7622	.0134	.0530	-38.27
#3	8.599	.9253	-.1670	.3420	-.2233	-44.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0792**	**-.0957**	**.2672**	**1.158**	**-.5848**	**23.47**
Stddev	.0366	.1091	.3699	.355	12.17	3.13
%RSD	46.21	114.0	138.4	30.63	2081.	13.33
#1	.0809	-.0033	-.0848	.8372	-13.09	22.31
#2	.0418	-.2160	.2337	1.539	11.23	21.09
#3	.1150	-.0677	.6528	1.099	.1058	27.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.660**	**-.0749**	**31.76**	**-.0924**	**1.286**	**-1.274**
Stddev	5.126	.1598	1.70	.5702	.260	.652
%RSD	90.57	213.3	5.357	617.1	20.21	51.16
#1	1.317	-.1500	33.62	-.4778	1.249	-1.099
#2	4.349	.1086	31.39	.5625	1.562	-1.996
#3	11.31	-.1833	30.27	-.3619	1.046	-.7282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386484/1-a@2 Acquired: 8/24/2016 18:11:22 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.761**	**-.3770**	**-.4335**	**-.1775**	**1.037**	**.4289**
Stddev	2.137	1.387	.4304	.1622	.299	.1391
%RSD	121.3	368.0	99.29	91.33	28.88	32.44
#1	-.6795	1.223	.0140	-.2037	1.102	.3548
#2	3.295	-1.115	-.4699	-.0039	1.298	.3425
#3	2.666	-1.239	-.8445	-.3250	.7099	.5894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8281**	**-.0374**	**-.0254**	**13.64**
Stddev	.3525	.1129	.2197	6.45
%RSD	42.57	301.9	866.3	47.28
#1	.5718	-.0029	-.1212	14.30
#2	1.230	.0542	-.1809	19.73
#3	.6824	-.1635	.2260	6.883
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4311.6**	**22919.**	**4228.8**
Stddev	4.1	67.	32.2
%RSD	.09588	.29352	.76148
#1	4313.3	22953.	4192.4
#2	4314.7	22841.	4240.6
#3	4306.9	22962.	4253.4

Sample Name: lcssrm 460-386484/2- Acquired: 8/24/2016 18:15:17 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35680.**	**271.5**	**254.0**	**557.5**	**332.4**	**30860.**
Stddev	237.	1.6	1.0	1.1	1.4	335.
%RSD	.6633	.5832	.3999	.1915	.4169	1.086
#1	35410.	273.1	252.9	556.8	331.4	30520.
#2	35750.	271.6	254.9	558.7	331.9	30870.
#3	35870.	269.9	254.2	557.1	334.0	31190.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**392.2**	**305.9**	**332.9**	**262.7**	**74460.**	**11090.**
Stddev	2.3	.4	3.4	2.1	500.	65.
%RSD	.5816	.1448	1.015	.8115	.6712	.5850
#1	392.7	305.8	329.6	263.8	73950.	11020.
#2	389.8	306.3	332.7	264.0	74490.	11130.
#3	394.3	305.4	336.4	260.2	74950.	11120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12030.**	**1406.**	**4285.**	**324.2**	**463.1**	**319.3**
Stddev	112.	9.	15.	.5	2.9	.9
%RSD	.9272	.6746	.3534	.1619	.6264	.2727
#1	11900.	1396.	4280.	324.0	460.1	319.7
#2	12080.	1408.	4272.	324.8	465.9	318.3
#3	12100.	1415.	4302.	323.8	463.4	319.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-386484/2- Acquired: 8/24/2016 18:15:17 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**381.0**	**943.7**	**283.0**	**994.4**	**387.3**	**284.1**
Stddev	3.6	4.0	.8	9.0	2.6	1.1
%RSD	.9417	.4270	.2976	.9061	.6746	.3773
#1	384.6	942.2	282.3	984.1	388.1	284.4
#2	377.4	948.3	283.9	998.3	389.4	285.1
#3	381.0	940.7	282.6	1001.	384.4	283.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**829.1**	**436.6**	**1716.**	**2523.**
Stddev	3.6	.7	2.	33.
%RSD	.4387	.1660	.0986	1.295
#1	826.2	436.7	1715.	2560.
#2	833.2	435.8	1716.	2500.
#3	827.9	437.3	1718.	2509.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4310.9**	**23468.**	**4444.2**
Stddev	17.1	54.	42.6
%RSD	.39588	.23199	.95801
#1	4292.0	23527.	4480.7
#2	4315.5	23455.	4454.5
#3	4325.2	23421.	4397.4

Sample Name: 460-119071-a-6-e@4 Acquired: 8/24/2016 18:18:51 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40030.**	**26.93**	**5.082**	**267.1**	**1.720**	F **275800.**
Stddev	141.	2.40	.310	.7	.174	2017.
%RSD	.3512	8.932	6.099	.2806	10.09	.7315
#1	40150.	26.17	5.340	267.7	1.919	278100.
#2	40070.	29.62	4.738	266.2	1.644	274800.
#3	39870.	24.99	5.169	267.4	1.598	274500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.484**	**26.93**	**282.3**	**258.3**	**72070.**	**7720.**
Stddev	.175	.10	1.8	1.9	349.	33.
%RSD	7.040	.3671	.6547	.7500	.4848	.4325
#1	2.300	26.82	283.4	256.1	72470.	7733.
#2	2.506	27.01	280.1	259.4	71870.	7746.
#3	2.648	26.95	283.3	259.5	71870.	7683.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30180.**	**1733.**	**19990.**	**122.5**	**267.5**	**.2811**
Stddev	69.	5.	120.	1.3	1.1	1.515
%RSD	.2272	.3064	.5984	1.053	.4289	538.8
#1	30240.	1739.	20040.	121.0	268.3	.6281
#2	30200.	1731.	20080.	122.8	266.2	1.592
#3	30100.	1729.	19850.	123.6	268.0	-1.377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119071-a-6-e@4 Acquired: 8/24/2016 18:18:51 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.107**	**-.7324**	**144.9**	**775.1**	**90.69**	**4.307**
Stddev	1.163	1.151	.9	13.2	1.34	.146
%RSD	37.45	157.2	.6465	1.708	1.475	3.397
#1	3.957	-2.024	144.9	790.4	89.15	4.419
#2	1.781	.1847	144.1	768.1	91.57	4.361
#3	3.582	-.3576	145.9	766.9	91.34	4.142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**60.94**	**1598.**	**965.6**	**5496.**
Stddev	.79	8.	2.7	47.
%RSD	1.301	.5096	.2810	.8588
#1	61.18	1601.	962.5	5460.
#2	60.06	1604.	966.7	5549.
#3	61.59	1588.	967.5	5478.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4115.2**	**22904.**	**4416.2**
Stddev	10.5	247.	77.6
%RSD	.25555	1.0804	1.7569
#1	4103.2	22622.	4327.6
#2	4119.9	23007.	4449.0
#3	4122.6	23084.	4472.0

Sample Name: 460-119071-a-12-c@4 Acquired: 8/24/2016 18:22:35 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33550.**	**23.56**	**5.842**	**253.3**	**1.791**	**94630.**
Stddev	1005.	1.12	.518	.8	.196	2193.
%RSD	2.995	4.755	8.876	.3291	10.95	2.318
#1	32410.	24.34	6.434	252.4	1.565	92870.
#2	33940.	24.08	5.621	253.4	1.921	93920.
#3	34310.	22.28	5.469	254.0	1.886	97090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.655**	**28.09**	**271.7**	**270.4**	**74050.**	**8277.**
Stddev	.232	.23	4.3	1.2	1334.	279.
%RSD	8.734	.8149	1.581	.4554	1.801	3.371
#1	2.923	27.83	268.4	270.9	72960.	7959.
#2	2.515	28.21	270.1	271.2	73650.	8392.
#3	2.528	28.23	276.6	269.0	75530.	8481.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22910.**	**1485.**	**20570.**	**111.9**	**309.9**	**-.0128**
Stddev	381.	23.	562.	.6	3.2	1.059
%RSD	1.664	1.555	2.732	.5401	1.029	8265.
#1	22590.	1466.	19920.	111.3	309.0	-1.106
#2	22810.	1478.	20880.	112.0	307.2	.0598
#3	23330.	1511.	20900.	112.5	313.4	1.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119071-a-12-c@4 Acquired: 8/24/2016 18:22:35 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.117**	**1.173**	**101.0**	**664.9**	**67.99**	**3.561**
Stddev	3.223	2.766	.8	13.1	.72	.297
%RSD	103.4	235.8	.7875	1.968	1.058	8.344
#1	-.2900	-.9430	100.5	649.8	67.70	3.762
#2	3.523	4.303	100.7	672.2	68.81	3.220
#3	6.118	.1593	101.9	672.7	67.45	3.701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**66.40**	**579.7**	**702.4**	**3753.**
Stddev	.63	13.8	7.8	70.
%RSD	.9551	2.386	1.113	1.872
#1	66.29	563.7	696.6	3726.
#2	67.08	588.0	699.3	3833.
#3	65.83	587.3	711.3	3701.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4222.8**	**23165.**	**4486.7**
Stddev	14.8	324.	152.7
%RSD	.35079	1.3968	3.4029
#1	4211.3	23333.	4614.0
#2	4217.5	23371.	4528.8
#3	4239.5	22792.	4317.4

Sample Name: 460-118944-a-2-j@4 Acquired: 8/24/2016 18:26:20 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49790.**	**21.51**	**1.034**	**258.2**	**2.500**	**3999.**
Stddev	1075.	1.78	.440	.6	.059	19.
%RSD	2.159	8.285	42.57	.2291	2.379	.4864
#1	48550.	21.37	.7998	257.7	2.455	3984.
#2	50420.	23.35	1.542	258.8	2.477	3992.
#3	50410.	19.80	.7612	258.1	2.567	4021.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8564**	**28.18**	**112.1**	**54.59**	**98090.**	**3900.**
Stddev	.1288	.29	1.7	.57	479.	75.
%RSD	15.04	1.039	1.558	1.045	.4887	1.930
#1	-.7288	28.11	110.4	53.99	97550.	3815.
#2	-.8540	27.93	112.2	55.13	98240.	3926.
#3	-.9863	28.50	113.9	54.64	98470.	3958.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9466.**	**1190.**	**520.9**	**52.13**	**165.6**	**1.758**
Stddev	106.	5.	10.3	.05	1.8	2.009
%RSD	1.115	.4114	1.978	.1012	1.100	114.3
#1	9358.	1185.	514.1	52.08	164.1	-.2274
#2	9472.	1191.	532.8	52.12	165.2	1.712
#3	9569.	1194.	515.9	52.18	167.6	3.789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-2-j@4 Acquired: 8/24/2016 18:26:20 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.622**	**3.023**	**152.9**	**231.2**	**14.67**	**2.922**
Stddev	5.112	1.238	1.9	.9	.24	.170
%RSD	141.1	40.94	1.261	.3933	1.664	5.825
#1	-1.950	4.252	151.0	230.5	14.90	2.728
#2	-9.360	1.777	152.7	230.9	14.70	3.047
#3	.4449	3.041	154.9	232.2	14.41	2.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.454**	**36.75**	**2247.**	**1655.**
Stddev	1.688	.68	7.	39.
%RSD	22.64	1.861	.2986	2.347
#1	6.236	35.98	2240.	1613.
#2	9.380	37.28	2249.	1664.
#3	6.745	37.00	2253.	1689.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4436.8**	**23760.**	**4422.8**
Stddev	11.2	25.	18.4
%RSD	.25212	.10497	.41519
#1	4426.1	23731.	4406.6
#2	4435.9	23777.	4419.2
#3	4448.4	23771.	4442.7

Sample Name: 460-118944-a-15-f@4 Acquired: 8/24/2016 18:30:05 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34100.**	**13.87**	**.5997**	**146.7**	**2.059**	**3643.**
Stddev	67.	.52	.2903	.4	.218	10.
%RSD	.1977	3.743	48.41	.2842	10.57	.2759
#1	34020.	13.32	.2887	147.2	2.120	3633.
#2	34150.	14.35	.8635	146.4	1.817	3653.
#3	34120.	13.92	.6469	146.5	2.240	3643.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9463**	**23.44**	**79.08**	**32.60**	**77350.**	**2815.**
Stddev	.1652	.14	.79	.54	81.	32.
%RSD	17.46	.6147	.9990	1.664	.1051	1.126
#1	-.7656	23.59	79.99	32.31	77390.	2786.
#2	-1.090	23.41	78.66	32.26	77400.	2812.
#3	-.9836	23.31	78.59	33.22	77250.	2849.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8890.**	**641.3**	**705.4**	**47.61**	**46.35**	**.6367**
Stddev	70.	.2	23.1	.74	.48	2.051
%RSD	.7886	.0276	3.277	1.551	1.036	322.2
#1	8817.	641.1	684.5	47.03	45.81	-1.012
#2	8897.	641.3	730.3	48.45	46.73	-.0117
#3	8956.	641.4	701.5	47.37	46.51	2.934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-15-f@4 Acquired: 8/24/2016 18:30:05 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5217**	**-.1846**	**105.9**	**136.8**	**14.74**	**2.056**
Stddev	2.281	1.847	1.0	.5	.36	.204
%RSD	437.4	1001.	.9538	.3469	2.470	9.909
#1	2.795	.4943	104.8	136.5	14.42	2.138
#2	-1.768	-2.275	106.2	136.5	14.65	1.824
#3	.5387	1.227	106.8	137.3	15.13	2.205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.635**	**33.46**	**1180.**	**1598.**
Stddev	.746	.07	.	5.
%RSD	45.66	.2043	.0409	.2924
#1	2.231	33.42	1180.	1595.
#2	1.876	33.43	1180.	1604.
#3	.7978	33.54	1181.	1596.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4368.9**	**23458.**	**4421.4**
Stddev	16.8	184.	23.7
%RSD	.38415	.78390	.53615
#1	4349.5	23268.	4397.0
#2	4377.4	23471.	4422.8
#3	4379.7	23635.	4444.4

Sample Name: 460-119071-a-6-e@10 Acquired: 8/24/2016 18:33:51 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15970.**	**9.308**	**1.533**	**108.7**	**.7474**	**111900.**
Stddev	313.	1.546	.361	.4	.1476	1599.
%RSD	1.960	16.61	23.58	.3915	19.75	1.430
#1	15610.	10.59	1.116	108.3	.6057	110500.
#2	16120.	9.739	1.741	109.1	.9002	111400.
#3	16170.	7.591	1.744	108.7	.7363	113600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8742**	**10.86**	**116.9**	**99.08**	**29520.**	**3041.**
Stddev	.0960	.23	.9	1.16	328.	68.
%RSD	10.98	2.144	.7749	1.173	1.113	2.225
#1	.7640	10.59	116.5	97.88	29190.	2963.
#2	.9402	11.02	116.3	100.2	29500.	3081.
#3	.9183	10.97	118.0	99.16	29850.	3080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12430.**	**710.9**	**7863.**	**50.22**	**108.9**	**.2521**
Stddev	206.	8.4	139.	.62	1.6	1.048
%RSD	1.660	1.175	1.771	1.234	1.477	415.7
#1	12240.	703.2	7702.	49.55	107.0	-.9574
#2	12400.	709.7	7934.	50.35	109.9	.8919
#3	12650.	719.8	7952.	50.77	109.7	.8219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119071-a-6-e@10 Acquired: 8/24/2016 18:33:51 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.744**	**1.914**	**58.59**	**330.7**	**35.29**	**1.822**
Stddev	1.986	1.548	.38	5.4	.31	.400
%RSD	113.8	80.89	.6543	1.647	.8836	21.94
#1	3.743	.8544	58.15	325.2	35.60	1.569
#2	-.2283	1.196	58.86	330.9	35.28	2.282
#3	1.718	3.690	58.75	336.1	34.98	1.614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**24.93**	**629.6**	**387.2**	**2124.**
Stddev	.51	10.7	2.0	27.
%RSD	2.030	1.706	.5233	1.283
#1	25.30	617.2	386.3	2135.
#2	25.15	635.4	385.7	2144.
#3	24.36	636.2	389.5	2093.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4235.5**	**22854.**	**4280.2**
Stddev	20.7	313.	117.7
%RSD	.48803	1.3708	2.7488
#1	4258.6	23046.	4388.1
#2	4229.1	23023.	4297.7
#3	4218.8	22492.	4154.8

Sample Name: 460-118944-a-20-f@4 Acquired: 8/24/2016 18:37:38 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47760.**	**34.71**	**1.118**	**327.4**	**2.241**	**40960.**
Stddev	97.	1.42	.521	.3	.179	109.
%RSD	.2040	4.084	46.61	.0948	7.979	.2651
#1	47790.	34.06	1.720	327.5	2.440	41080.
#2	47830.	33.74	.8275	327.0	2.191	40930.
#3	47650.	36.34	.8069	327.6	2.093	40860.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7875**	**30.19**	**100.3**	**125.2**	**94590.**	**3687.**
Stddev	.2362	.14	.7	1.9	189.	37.
%RSD	30.00	.4508	.6681	1.488	.1997	1.002
#1	.7490	30.28	99.96	123.1	94760.	3729.
#2	1.041	30.03	101.0	126.8	94610.	3665.
#3	.5729	30.26	99.78	125.7	94390.	3666.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16570.**	**934.8**	**1448.**	**53.54**	**2517.**	**2.033**
Stddev	45.	2.9	7.	.89	17.	1.021
%RSD	.2727	.3127	.4793	1.662	.6626	50.25
#1	16530.	937.6	1441.	53.05	2506.	.9636
#2	16610.	934.9	1454.	54.57	2510.	2.999
#3	16560.	931.8	1450.	53.01	2536.	2.136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-20-f@4 Acquired: 8/24/2016 18:37:38 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9200**	**1.263**	**170.3**	**2671.**	**15.22**	**4.613**
Stddev	3.599	3.304	1.6	9.	.32	.462
%RSD	391.2	261.6	.9558	.3286	2.095	10.01
#1	-1.254	-1.732	168.9	2677.	14.86	4.676
#2	2.834	.7147	172.1	2661.	15.43	5.040
#3	-4.340	4.806	169.9	2675.	15.38	4.123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**75.98**	**95.51**	**1879.**	**1384.**
Stddev	.84	.32	2.	23.
%RSD	1.112	.3325	.1092	1.661
#1	75.40	95.73	1880.	1358.
#2	75.60	95.64	1881.	1401.
#3	76.95	95.14	1877.	1392.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4293.6**	**23119.**	**4305.9**
Stddev	33.8	320.	93.4
%RSD	.78645	1.3838	2.1681
#1	4254.7	22757.	4198.8
#2	4314.8	23241.	4349.1
#3	4311.4	23361.	4369.9

Sample Name: 460-118944-a-21-f@4 Acquired: 8/24/2016 18:41:21 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38160.**	**39.03**	**1.520**	**457.3**	**2.106**	**67690.**
Stddev	810.	1.12	.068	1.1	.158	208.
%RSD	2.124	2.858	4.449	.2317	7.494	.3070
#1	37230.	38.02	1.458	458.1	1.946	67680.
#2	38720.	38.83	1.592	456.1	2.261	67900.
#3	38520.	40.23	1.508	457.7	2.110	67480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.826**	**30.88**	**93.84**	**146.5**	**87470.**	**4161.**
Stddev	.062	.13	.06	1.0	217.	97.
%RSD	3.375	.4172	.0662	.7018	.2477	2.339
#1	1.870	31.00	93.91	145.5	87340.	4056.
#2	1.755	30.90	93.81	146.5	87720.	4248.
#3	1.852	30.74	93.80	147.5	87350.	4178.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22950.**	**1258.**	**1425.**	**57.50**	**3552.**	**3.844**
Stddev	45.	2.	41.	.30	6.	1.193
%RSD	.1973	.1685	2.896	.5268	.1613	31.03
#1	22910.	1258.	1381.	57.28	3553.	4.560
#2	23000.	1260.	1434.	57.84	3545.	2.467
#3	22960.	1256.	1462.	57.37	3557.	4.505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-21-f@4 Acquired: 8/24/2016 18:41:21 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2126**	**-.7552**	**161.8**	**1741.**	**18.34**	**3.654**
Stddev	2.091	.7403	1.0	5.	.03	.188
%RSD	983.7	98.03	.6006	.2783	.1762	5.154
#1	-1.550	-.5036	161.1	1746.	18.35	3.747
#2	2.524	-1.588	163.0	1741.	18.36	3.437
#3	-.3354	-.1734	161.5	1736.	18.30	3.778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**91.02**	**152.3**	**1657.**	**1472.**
Stddev	.90	1.9	1.	35.
%RSD	.9870	1.232	.0832	2.398
#1	92.05	150.1	1656.	1448.
#2	90.61	153.2	1658.	1456.
#3	90.39	153.6	1657.	1513.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4298.7**	**23291.**	**4368.8**
Stddev	18.8	142.	71.4
%RSD	.43638	.60955	1.6332
#1	4278.2	23161.	4411.3
#2	4302.9	23271.	4286.4
#3	4315.0	23442.	4408.7

Sample Name: 460-118944-a-25-h@4 Acquired: 8/24/2016 18:45:04 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46070.**	**18.85**	**.4412**	**276.9**	**2.450**	**9792.**
Stddev	1222.	2.13	.5103	.1	.161	118.
%RSD	2.653	11.32	115.7	.0372	6.558	1.207
#1	44660.	16.61	.9283	276.9	2.633	9664.
#2	46660.	19.09	.4847	277.0	2.386	9897.
#3	46880.	20.85	-.0895	276.8	2.332	9814.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6110**	**36.09**	**87.14**	**81.71**	**71320.**	**4099.**
Stddev	.1981	.22	1.41	.91	518.	130.
%RSD	32.43	.6095	1.613	1.118	.7266	3.162
#1	-.4006	35.87	86.42	81.97	70750.	3952.
#2	-.7941	36.09	88.76	80.69	71760.	4196.
#3	-.6382	36.31	86.24	82.46	71460.	4150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9027.**	**1699.**	**773.2**	**49.16**	**346.8**	**.9643**
Stddev	127.	14.	15.8	.42	.4	.5260
%RSD	1.410	.8411	2.047	.8524	.1047	54.54
#1	8881.	1683.	756.0	48.96	347.2	1.367
#2	9114.	1710.	776.5	49.64	346.6	.3694
#3	9086.	1704.	787.1	48.87	346.6	1.156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-25-h@4 Acquired: 8/24/2016 18:45:04 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.349**	**.6633**	**117.0**	**262.8**	**20.09**	**4.164**
Stddev	.224	2.020	1.2	.8	.52	.328
%RSD	16.58	304.6	1.046	.2935	2.595	7.882
#1	1.553	.9324	115.7	262.0	19.49	4.478
#2	1.385	-1.478	118.1	263.1	20.40	4.190
#3	1.110	2.535	117.2	263.4	20.38	3.823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**29.59**	**83.98**	**1800.**	**1661.**
Stddev	1.08	1.87	6.	10.
%RSD	3.650	2.230	.3110	.5742
#1	28.66	81.82	1794.	1668.
#2	29.34	85.07	1805.	1664.
#3	30.78	85.05	1801.	1650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4398.0**	**23507.**	**4441.9**
Stddev	9.8	80.	131.0
%RSD	.22302	.34067	2.9480
#1	4386.8	23582.	4593.1
#2	4402.7	23423.	4368.7
#3	4404.7	23516.	4363.9

Sample Name: CCV Acquired: 8/24/2016 18:48:50 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119800.**	**2435.**	**1214.**	**9981.**	**975.8**	**121600.**
Stddev	1135.	7.	6.	25.	10.6	526.
%RSD	.9470	.2936	.4609	.2521	1.090	.4324
#1	118500.	2427.	1208.	9955.	963.7	121100.
#2	120600.	2435.	1214.	9983.	979.6	121700.
#3	120400.	2442.	1220.	10010.	983.9	122100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1239.**	**2444.**	**4948.**	**12090.**	**98250.**	**48140.**
Stddev	3.	5.	27.	85.	488.	545.
%RSD	.2367	.2225	.5505	.7067	.4970	1.132
#1	1235.	2438.	4918.	11990.	97720.	47520.
#2	1239.	2447.	4954.	12140.	98330.	48550.
#3	1241.	2448.	4972.	12130.	98690.	48360.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121400.**	**5018.**	**121300.**	**2485.**	**7405.**	**964.5**
Stddev	665.	26.	759.	6.	16.	3.4
%RSD	.5477	.5092	.6256	.2548	.2210	.3527
#1	120600.	4989.	120500.	2478.	7389.	961.1
#2	121600.	5026.	122000.	2487.	7406.	964.6
#3	121900.	5038.	121500.	2491.	7422.	967.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 18:48:50 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2402.**	**2442.**	**2447.**	**2477.**	**967.9**	**2378.**
Stddev	10.	2.	15.	3.	3.8	6.
%RSD	.4129	.0663	.6327	.1410	.3910	.2461
#1	2391.	2441.	2429.	2475.	963.6	2372.
#2	2410.	2441.	2456.	2475.	969.3	2378.
#3	2405.	2444.	2456.	2481.	970.8	2384.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**970.2**	**4929.**	**9854.**	**9509.**
Stddev	2.3	44.	53.	72.
%RSD	.2343	.8917	.5353	.7596
#1	968.1	4879.	9794.	9494.
#2	969.9	4960.	9878.	9588.
#3	972.6	4949.	9891.	9446.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4052.0**	**22439.**	**4192.5**
Stddev	13.2	111.	51.7
%RSD	.32462	.49380	1.2329
#1	4066.2	22548.	4252.2
#2	4049.7	22444.	4161.1
#3	4040.1	22326.	4164.3

Sample Name: CCB Acquired: 8/24/2016 18:52:18 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.302**	**.3919**	**.2144**	**.1791**	**.0020**	**-28.84**
Stddev	4.374	1.858	.1283	.1720	.0827	6.13
%RSD	47.02	474.1	59.84	96.03	4051.	21.25
#1	12.70	2.457	.3517	.3745	.0908	-24.87
#2	4.367	-.1387	.0975	.1125	-.0729	-35.90
#3	10.84	-1.143	.1941	.0504	-.0118	-25.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0098**	**.0961**	**.3790**	**.4341**	**4.426**	**44.25**
Stddev	.0714	.1211	.6330	.7508	7.061	15.23
%RSD	731.9	126.0	167.0	173.0	159.5	34.42
#1	-.0709	.0412	.8418	-.4102	12.18	58.32
#2	.0355	.2349	.6376	.6858	2.718	46.37
#3	.0647	.0122	-.3424	1.027	-1.624	28.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8767**	**-.1423**	**43.74**	**.2219**	**3.025**	**.1226**
Stddev	1.682	.0681	14.32	.3106	.752	.7324
%RSD	191.8	47.82	32.74	140.0	24.86	597.3
#1	-.1146	-.0818	59.37	-.0782	3.720	.1889
#2	.2889	-.2160	40.59	.2020	3.129	-.6407
#3	-2.805	-.1291	31.26	.5420	2.227	.8196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 18:52:18 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.332**	**1.091**	**-.3317**	**-.0323**	**1.818**	**.8761**
Stddev	1.410	1.923	.2132	.1628	.345	.4446
%RSD	105.8	176.2	64.27	504.8	18.97	50.75
#1	-1.602	-.1537	-.3000	.1308	2.174	1.358
#2	-2.588	.1216	-.5590	-.0326	1.486	.7892
#3	.1934	3.306	-.1361	-.1949	1.794	.4814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9300**	**.0135**	**.2723**	**21.35**
Stddev	.4949	.0636	.0917	10.20
%RSD	53.22	472.7	33.66	47.76
#1	.7595	.0186	.3727	29.14
#2	1.488	-.0526	.1931	25.10
#3	.5429	.0744	.2512	9.810
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4350.6**	**23083.**	**4251.6**
Stddev	7.6	78.	25.5
%RSD	.17508	.33596	.59876
#1	4342.2	22993.	4244.1
#2	4357.2	23132.	4280.0
#3	4352.2	23123.	4230.8

Sample Name: CCVL Acquired: 8/24/2016 18:56:13 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**182.8**	**12.86**	**8.310**	**191.0**	**1.619**	**4530.**
Stddev	3.1	1.33	.510	.1	.203	7.
%RSD	1.708	10.33	6.136	.0756	12.55	.1448
#1	186.4	14.38	8.296	191.0	1.400	4529.
#2	180.6	11.91	8.826	191.1	1.657	4537.
#3	181.5	12.29	7.807	190.8	1.801	4524.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.919**	**47.73**	**9.380**	**21.51**	**164.1**	**4438.**
Stddev	.093	.37	.820	.43	8.0	47.
%RSD	2.376	.7752	8.743	2.019	4.856	1.053
#1	3.835	47.32	8.995	21.01	160.2	4403.
#2	4.019	47.82	10.32	21.67	173.3	4420.
#3	3.902	48.04	8.824	21.84	158.9	4491.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4294.**	**14.54**	**4526.**	**39.43**	**10.96**	**16.00**
Stddev	49.	.14	55.	.67	.82	1.81
%RSD	1.137	.9856	1.211	1.711	7.526	11.34
#1	4246.	14.41	4470.	39.05	10.01	14.72
#2	4344.	14.69	4529.	39.04	11.42	15.20
#3	4293.	14.53	4579.	40.21	11.45	18.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 18:56:13 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.68**	**21.58**	**46.07**	**30.52**	**44.80**	**18.49**
Stddev	2.54	.86	.22	.12	.46	.22
%RSD	11.70	3.994	.4748	.4087	1.036	1.172
#1	20.93	22.17	46.25	30.47	44.35	18.65
#2	24.51	20.59	45.83	30.66	44.76	18.57
#3	19.61	21.97	46.12	30.43	45.28	18.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.75**	**19.02**	**18.60**	F **20.27**
Stddev	1.10	.18	.18	13.90
%RSD	2.246	.9500	.9504	68.60
#1	48.41	18.82	18.50	12.71
#2	49.98	19.08	18.50	11.78
#3	47.87	19.16	18.81	36.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.4**	**23174.**	**4276.0**
Stddev	9.3	119.	46.2
%RSD	.21363	.51136	1.0812
#1	4352.9	23046.	4223.2
#2	4370.7	23197.	4295.6
#3	4366.6	23280.	4309.2

Sample Name: 460-118944-a-26-f@4 Acquired: 8/24/2016 19:00:04 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35830.**	**43.52**	**1.616**	**827.8**	**1.545**	**71860.**
Stddev	1459.	.84	.279	.6	.117	781.
%RSD	4.071	1.920	17.28	.0686	7.587	1.087
#1	34150.	42.85	1.707	828.0	1.676	70960.
#2	36580.	44.45	1.838	828.3	1.450	72250.
#3	36760.	43.25	1.302	827.2	1.509	72360.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.466**	**34.16**	**81.67**	**212.6**	**88450.**	**3531.**
Stddev	.357	.13	1.31	1.9	857.	151.
%RSD	14.48	.3721	1.603	.8830	.9693	4.262
#1	2.729	34.05	80.47	211.2	87470.	3358.
#2	2.610	34.30	83.07	211.8	88850.	3604.
#3	2.060	34.15	81.48	214.7	89050.	3631.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16760.**	**1374.**	**1117.**	**60.34**	**5669.**	**3.786**
Stddev	149.	11.	43.	.46	7.	.593
%RSD	.8905	.8124	3.857	.7595	.1249	15.66
#1	16600.	1361.	1071.	60.84	5662.	4.361
#2	16790.	1379.	1157.	60.24	5670.	3.177
#3	16890.	1382.	1122.	59.94	5676.	3.821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-26-f@4 Acquired: 8/24/2016 19:00:04 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8880**	**.1913**	**105.8**	**1646.**	**18.17**	**3.602**
Stddev	.5218	1.301	2.0	12.	.22	.178
%RSD	58.77	680.1	1.914	.7572	1.185	4.934
#1	1.181	1.520	103.5	1633.	18.19	3.399
#2	.2855	.1355	107.1	1646.	18.38	3.679
#3	1.198	-1.081	106.8	1658.	17.95	3.728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**122.5**	**321.3**	**1237.**	**1594.**
Stddev	.8	12.6	5.	29.
%RSD	.6168	3.926	.4292	1.801
#1	121.7	306.7	1231.	1577.
#2	122.6	328.4	1238.	1627.
#3	123.2	328.7	1242.	1578.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4263.2**	**23122.**	**4386.8**
Stddev	8.3	102.	146.9
%RSD	.19530	.44099	3.3486
#1	4253.6	23235.	4545.3
#2	4267.8	23036.	4359.9
#3	4268.3	23094.	4255.3

Sample Name: 460-118944-a-27-f@4 Acquired: 8/24/2016 19:03:48 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33930.**	**53.55**	**3.655**	**392.8**	**1.840**	**63360.**
Stddev	188.	.24	.666	.7	.122	637.
%RSD	.5551	.4418	18.21	.1903	6.628	1.005
#1	34020.	53.52	3.644	393.6	1.704	63960.
#2	34040.	53.80	2.995	392.3	1.877	63410.
#3	33710.	53.33	4.326	392.4	1.940	62690.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.708**	**28.45**	**81.69**	**768.3**	**72520.**	**3152.**
Stddev	.116	.21	.09	5.7	504.	23.
%RSD	6.788	.7409	.1076	.7361	.6956	.7142
#1	1.604	28.50	81.59	761.9	72980.	3154.
#2	1.687	28.64	81.69	770.8	72610.	3174.
#3	1.833	28.22	81.77	772.3	71980.	3129.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22160.**	**1305.**	**848.2**	**48.11**	**2205.**	**.9708**
Stddev	152.	7.	22.9	.17	1.	.4078
%RSD	.6857	.5672	2.701	.3623	.0262	42.00
#1	22320.	1311.	822.0	48.01	2205.	1.203
#2	22160.	1306.	864.4	48.31	2205.	.5000
#3	22010.	1297.	858.1	48.01	2204.	1.210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-27-f@4 Acquired: 8/24/2016 19:03:48 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.756**	**.8927**	**96.46**	**1060.**	**23.56**	**2.733**
Stddev	3.035	1.873	.96	7.	.37	.230
%RSD	44.92	209.8	.9974	.6406	1.582	8.402
#1	7.654	2.945	95.40	1067.	23.68	2.842
#2	9.240	-.7235	96.71	1059.	23.86	2.889
#3	3.373	.4568	97.27	1053.	23.14	2.469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**219.1**	**152.8**	**750.6**	**928.5**
Stddev	.6	1.5	2.4	34.0
%RSD	.2740	.9714	.3212	3.665
#1	218.6	153.0	751.7	895.8
#2	218.9	154.2	752.3	926.1
#3	219.8	151.2	747.9	963.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4271.2**	**23127.**	**4349.0**
Stddev	13.2	378.	125.9
%RSD	.30937	1.6360	2.8959
#1	4256.0	22735.	4209.9
#2	4277.8	23156.	4381.9
#3	4279.9	23490.	4455.3

Sample Name: 460-118944-a-19-f@4 Acquired: 8/24/2016 19:07:32 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39130.**	**20.64**	**.5884**	**354.1**	**2.064**	**32210.**
Stddev	212.	1.37	.1501	1.4	.051	357.
%RSD	.5413	6.632	25.51	.4025	2.457	1.107
#1	38940.	19.88	.5341	353.8	2.011	31980.
#2	39090.	22.23	.7580	352.9	2.112	32020.
#3	39360.	19.83	.4730	355.7	2.068	32620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0769**	**25.73**	**77.68**	**54.19**	**68770.**	**4133.**
Stddev	.2206	.09	.50	.29	473.	19.
%RSD	287.0	.3419	.6483	.5423	.6884	.4634
#1	.1776	25.79	77.54	53.97	68460.	4117.
#2	-.1955	25.63	77.26	54.52	68540.	4154.
#3	-.2127	25.76	78.24	54.08	69320.	4128.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16700.**	**1304.**	**347.9**	**44.56**	**643.4**	**.6594**
Stddev	98.	8.	5.2	.58	4.6	1.699
%RSD	.5869	.6361	1.489	1.300	.7112	257.6
#1	16630.	1298.	352.7	44.42	639.0	.8597
#2	16650.	1300.	348.7	44.06	643.0	-1.131
#3	16810.	1314.	342.4	45.20	648.1	2.249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-19-f@4 Acquired: 8/24/2016 19:07:32 Type: Unk
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.535**	**.9617**	**115.0**	**512.3**	**21.07**	**3.573**
Stddev	5.257	.3534	1.2	7.2	.06	.235
%RSD	207.3	36.74	1.046	1.401	.2964	6.591
#1	-2.913	1.320	114.3	505.2	21.01	3.310
#2	2.942	.9516	114.4	512.2	21.14	3.645
#3	7.577	.6135	116.4	519.5	21.07	3.764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**18.48**	**72.94**	**1385.**	**1478.**
Stddev	.80	.25	.	8.
%RSD	4.338	.3462	.0218	.5145
#1	18.34	72.98	1385.	1475.
#2	17.76	73.18	1385.	1471.
#3	19.34	72.68	1385.	1486.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4357.8**	**23583.**	**4475.8**
Stddev	9.7	148.	72.2
%RSD	.22288	.62771	1.6139
#1	4347.6	23549.	4488.2
#2	4367.0	23745.	4541.1
#3	4358.8	23455.	4398.2

Sample Name: CCV Acquired: 8/24/2016 19:11:16 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121800.**	**2441.**	**1223.**	**10060.**	**992.8**	**122600.**
Stddev	124.	2.	3.	37.	5.3	569.
%RSD	.1021	.0723	.2473	.3677	.5371	.4639
#1	121900.	2440.	1220.	10020.	996.4	121900.
#2	121700.	2443.	1223.	10080.	986.7	122700.
#3	121900.	2441.	1227.	10090.	995.4	123000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1248.**	**2458.**	**4982.**	**12160.**	**98800.**	**48840.**
Stddev	5.	8.	20.	5.	298.	48.
%RSD	.3740	.3210	.3921	.0429	.3013	.0983
#1	1243.	2449.	4960.	12150.	98460.	48850.
#2	1250.	2462.	4994.	12160.	98920.	48780.
#3	1251.	2464.	4993.	12160.	99020.	48880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122200.**	**5060.**	**123300.**	**2502.**	**7435.**	**971.5**
Stddev	382.	16.	618.	5.	23.	5.5
%RSD	.3129	.3209	.5011	.2193	.3059	.5700
#1	121700.	5042.	124000.	2497.	7409.	965.6
#2	122300.	5065.	122900.	2501.	7447.	976.5
#3	122500.	5073.	123000.	2508.	7450.	972.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/24/2016 19:11:16 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2415.**	**2452.**	**2453.**	**2492.**	**970.5**	**2397.**
Stddev	8.	11.	9.	12.	3.9	10.
%RSD	.3380	.4401	.3615	.4990	.4049	.4032
#1	2409.	2440.	2443.	2479.	966.0	2386.
#2	2412.	2459.	2457.	2493.	973.2	2402.
#3	2425.	2458.	2459.	2503.	972.2	2403.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**973.5**	**4993.**	**9895.**	**9496.**
Stddev	6.2	11.	20.	112.
%RSD	.6339	.2258	.2026	1.181
#1	966.4	5005.	9873.	9625.
#2	977.7	4982.	9901.	9441.
#3	976.4	4992.	9911.	9421.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4021.9**	**22247.**	**4111.9**
Stddev	20.8	203.	23.7
%RSD	.51691	.91358	.57553
#1	4045.8	22479.	4137.6
#2	4012.1	22156.	4107.2
#3	4007.9	22104.	4090.9

Sample Name: CCB Acquired: 8/24/2016 19:14:44 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.231**	**-.4415**	**.1619**	**.1136**	**-.0826**	**-36.98**
Stddev	5.287	.9151	.4350	.1248	.0951	3.98
%RSD	101.1	207.3	268.6	109.9	115.2	10.75
#1	.2505	-.1098	-.0944	.1056	-.0554	-40.92
#2	4.665	.2616	.6641	-.0070	-.1883	-37.05
#3	10.78	-1.476	-.0840	.2422	-.0040	-32.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0693**	**-.1706**	**-.1608**	**.0530**	**10.31**	**33.05**
Stddev	.0764	.1537	.2729	.9969	1.47	8.40
%RSD	110.2	90.08	169.8	1880.	14.24	25.40
#1	.1237	-.0006	-.1191	-1.086	11.69	23.43
#2	.1023	-.2996	-.4521	.4771	10.47	36.82
#3	-.0180	-.2116	.0890	.7678	8.769	38.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.916**	**-.1403**	**41.26**	**.3328**	**1.695**	**-.9939**
Stddev	.922	.1169	9.05	.1014	1.708	.9020
%RSD	18.76	83.28	21.94	30.46	100.8	90.75
#1	4.538	-.0357	40.56	.2283	3.585	-2.035
#2	4.243	-.2665	50.64	.3393	.2619	-.5028
#3	5.968	-.1189	32.57	.4307	1.239	-.4440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/24/2016 19:14:44 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4076**	**3.124**	**-.9976**	**-.1290**	**2.040**	**1.140**
Stddev	1.745	1.326	.4404	.1336	.196	.592
%RSD	428.1	42.43	44.14	103.6	9.592	51.93
#1	.5806	2.800	-.7381	-.2460	2.103	1.729
#2	.6190	1.991	-1.506	-.1574	2.196	1.145
#3	-2.422	4.582	-.7487	.0166	1.821	.5452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.857**	**.0191**	**.3299**	**13.03**
Stddev	.343	.0595	.1151	9.37
%RSD	18.46	311.3	34.89	71.87
#1	1.961	.0467	.4607	2.478
#2	1.474	-.0492	.2442	20.35
#3	2.136	.0599	.2848	16.27
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4350.9**	**23175.**	**4283.4**
Stddev	10.1	111.	3.5
%RSD	.23124	.48010	.08165
#1	4350.7	23213.	4282.5
#2	4340.9	23262.	4287.2
#3	4361.0	23050.	4280.4

Sample Name: CCVL Acquired: 8/24/2016 19:18:38 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**186.8**	**12.30**	**8.611**	**192.8**	**1.866**	**4502.**
Stddev	4.0	.42	.114	1.2	.094	16.
%RSD	2.136	3.400	1.328	.6297	5.030	.3594
#1	182.2	12.13	8.620	192.3	1.846	4508.
#2	188.4	12.77	8.721	192.0	1.969	4515.
#3	189.6	11.99	8.493	194.2	1.785	4484.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.910**	**48.24**	**8.985**	**21.39**	**156.4**	**4462.**
Stddev	.068	.30	1.111	.16	3.5	59.
%RSD	1.726	.6132	12.36	.7281	2.215	1.312
#1	3.958	48.00	10.26	21.30	153.1	4397.
#2	3.938	48.14	8.253	21.57	156.1	4478.
#3	3.833	48.57	8.439	21.31	160.0	4511.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

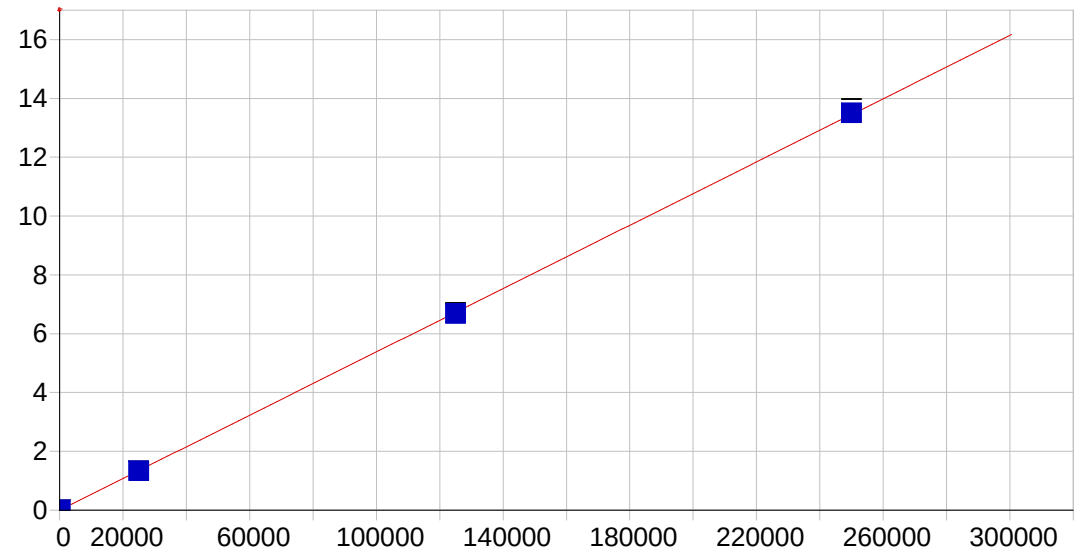
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4297.**	**14.69**	**4530.**	**39.74**	**11.53**	**17.71**
Stddev	48.	.12	81.	.12	2.50	.63
%RSD	1.121	.8372	1.791	.3029	21.72	3.533
#1	4244.	14.57	4446.	39.86	9.764	17.09
#2	4310.	14.69	4538.	39.62	10.44	17.70
#3	4338.	14.82	4607.	39.75	14.40	18.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/24/2016 19:18:38 Type: QC
Method: BC08232016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.19**	**20.25**	**45.83**	**30.60**	**45.24**	**18.44**
Stddev	5.09	1.25	.20	.16	.48	.24
%RSD	33.50	6.189	.4445	.5119	1.053	1.302
#1	18.91	19.07	45.71	30.42	44.69	18.29
#2	17.27	20.13	45.72	30.71	45.49	18.30
#3	9.389	21.57	46.07	30.66	45.53	18.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.48**	**19.03**	**18.79**	F **14.57**
Stddev	.79	.30	.09	.88
%RSD	1.639	1.567	.4585	6.025
#1	48.49	18.69	18.74	13.67
#2	47.69	19.14	18.73	14.60
#3	49.28	19.26	18.89	15.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4323.3**	**23152.**	**4245.4**
Stddev	6.0	158.	50.3
%RSD	.13786	.68204	1.1840
#1	4329.0	23247.	4292.1
#2	4317.1	22970.	4192.2
#3	4323.7	23239.	4251.7

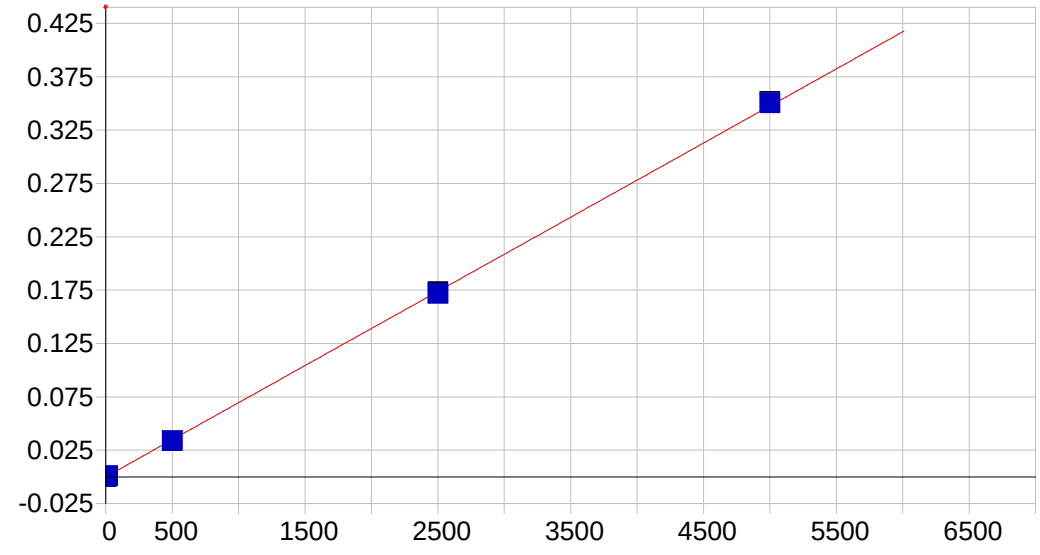


Al 396.152 { 85}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000240	Re-Slope:	1.000000
A1 (Gain):	0.000054	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999984	Status:	OK.
Std Error of Est:	0.000109		
Predicted MDL:	13.742418		
Predicted MQL:	45.808060		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00273	.003	.000	.00024	.000	1
CAL2	200.00	199.23	-.773	-.386	.01100	.001	1
CAL3	25000.	24829.	-171.	-.685	1.3373	.004	1
CAL4	125000.	124090.	-908.	-.726	6.6829	.028	1
CAL5	250000.	251080.	1080.	.432	13.521	.122	1

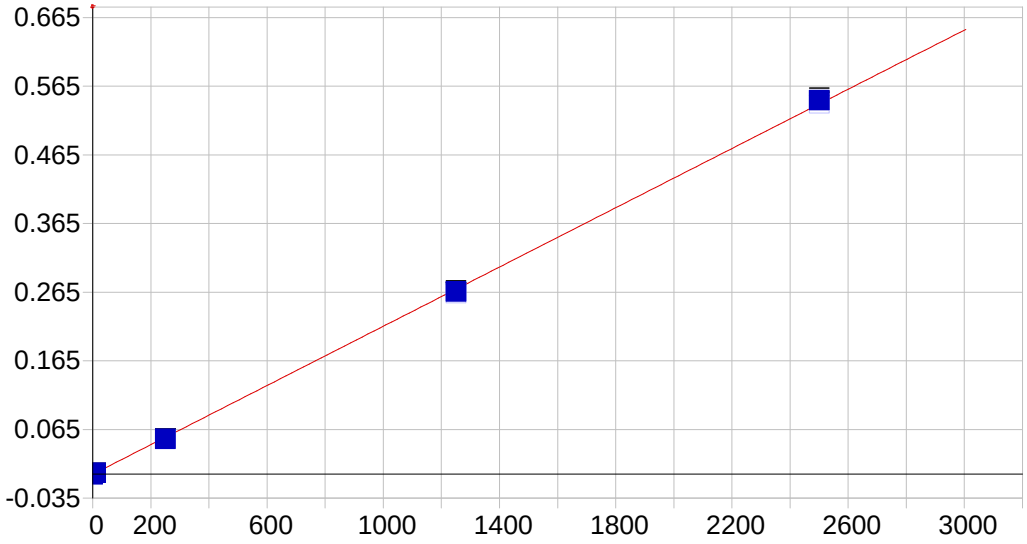


As 189.042 {478}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000024	Re-Slope:	1.000000
A1 (Gain):	0.000070	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999924	Status:	OK.
Std Error of Est:	0.000007		
Predicted MDL:	1.766125		
Predicted MQL:	5.887082		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00134	.001	.000	.00002	.000	1
CAL2	15.000	14.772	-.228	-1.52	.00105	.000	1
CAL3	500.00	487.19	-12.8	-2.56	.03385	.000	1
CAL4	2500.0	2472.7	-27.3	-1.09	.17171	.001	1
CAL5	5000.0	5041.4	41.4	.828	.35006	.001	1
CAL1	5.0000	3.8818	-1.12	-22.4	.00029	.000	1

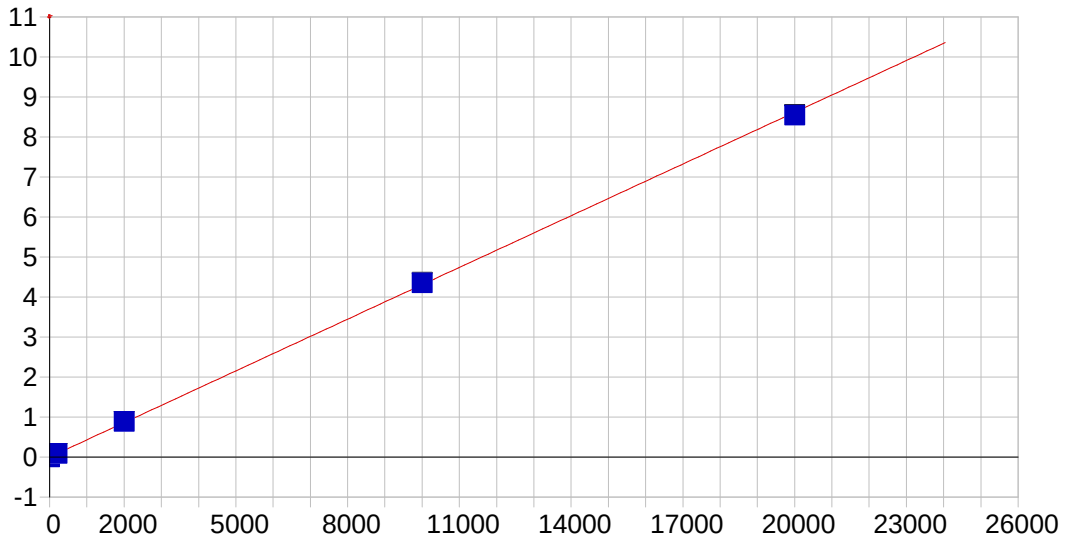


Ag 328.068 {103}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000399	Re-Slope:	1.000000
A1 (Gain):	0.000216	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999882	Status:	OK.
Std Error of Est:	0.000027		
Predicted MDL:	0.603631		
Predicted MQL:	2.012102		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00099	.001	.000	-.00040	.000	1
CAL2	10.000	9.4380	-.562	-5.62	.00162	.000	1
CAL3	250.00	239.84	-10.2	-4.07	.05090	.000	1
CAL4	1250.0	1234.2	-15.8	-1.27	.26363	.001	1
CAL5	2500.0	2526.6	26.6	1.06	.54021	.003	1

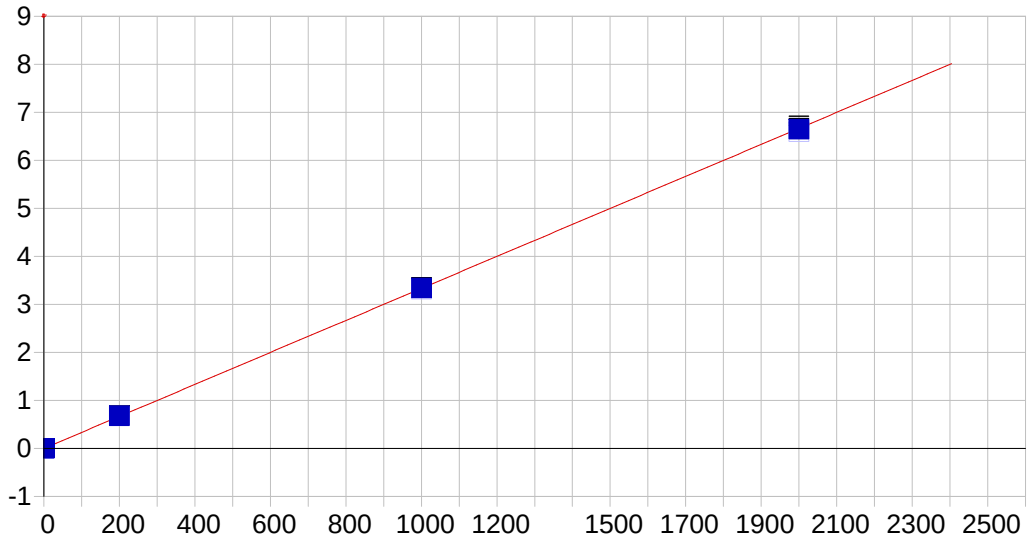


Ba 233.527 {445}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000001	Re-Slope:	1.000000
A1 (Gain):	0.000431	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999927	Status:	OK.
Std Error of Est:	0.000539		
Predicted MDL:	0.262892		
Predicted MQL:	0.876307		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01604	-.016	.000	-.00001	.000	1
CAL2	200.00	209.62	9.62	4.81	.09029	.000	1
CAL3	2000.0	2061.7	61.7	3.08	.88801	.001	1
CAL4	10000.	10096.	96.4	.964	4.3487	.015	1
CAL5	20000.	19832.	-168.	-.839	8.5420	.012	1



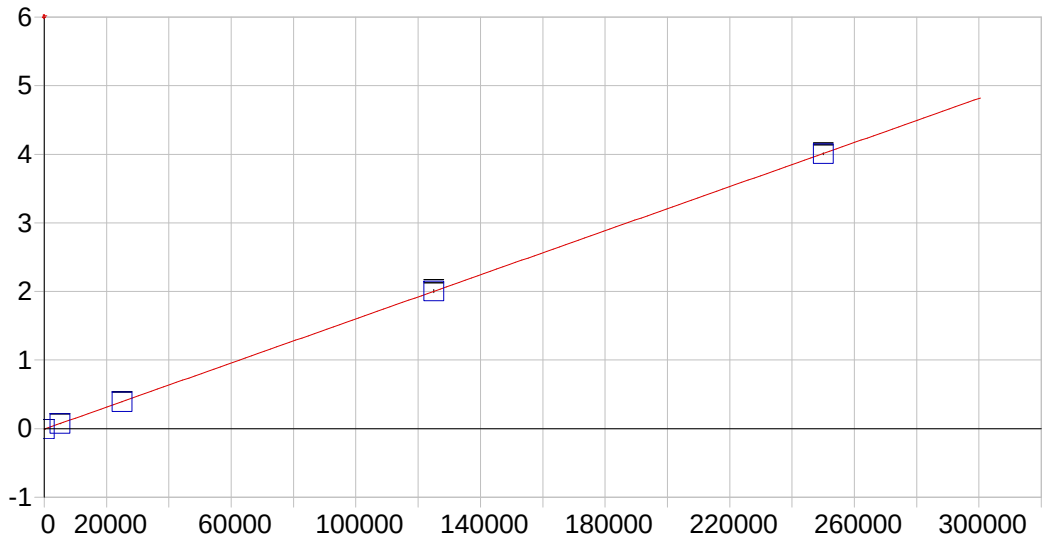
Be 313.042 {108}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000255	Re-Slope:	1.000000

A1 (Gain):	0.003333		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999978		Status:	OK.	
Std Error of Est:	0.000071				
Predicted MDL:	0.152308				
Predicted MQL:	0.507694				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00023	-.000	.000	.00025	.001	1
CAL2	2.0000	2.1924	.192	9.62	.00752	.000	1
CAL3	200.00	204.32	4.32	2.16	.67631	.004	1
CAL4	1000.0	1001.9	1.88	.188	3.3147	.014	1
CAL5	2000.0	1993.6	-6.39	-.320	6.5954	.072	1

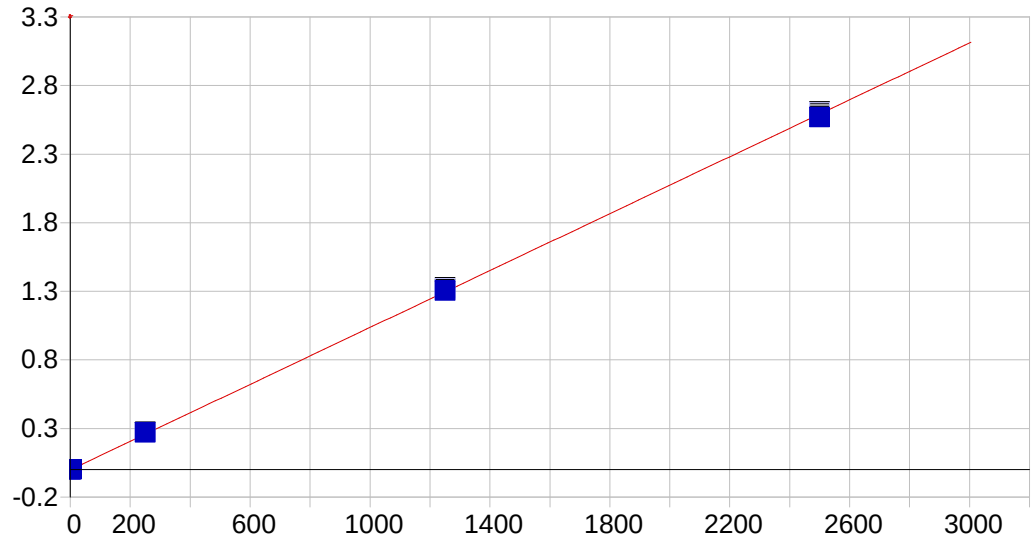


Ca 318.128 {106}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.007156	Re-Slope:	1.000000
A1 (Gain):	0.000016	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000064		
Predicted MDL:	10.880673		
Predicted MQL:	36.268910		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00938	.009	.000	-.00716	.000	1
CAL2	5000.0	5010.7	10.7	.214	.07337	.001	1
CAL3	25000.	24853.	-147.	-.587	.39223	.003	1
CAL4	125000.	125330.	328.	.263	2.0069	.024	1
CAL5	250000.	249810.	-192.	-.077	4.0072	.012	1

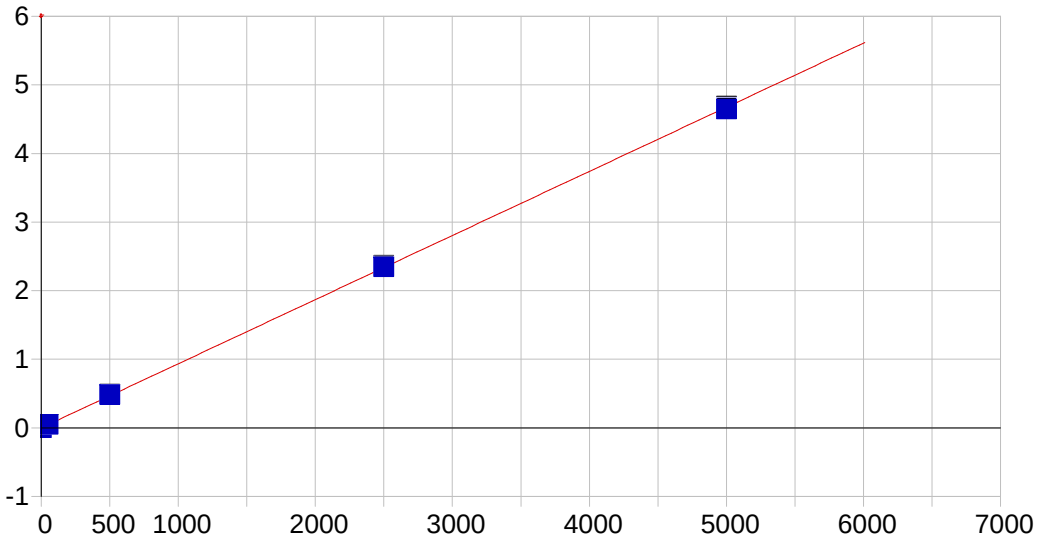


Cd 226.502 {449}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000789	Re-Slope:	1.000000
A1 (Gain):	0.001037	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999900	Status:	OK.
Std Error of Est:	0.000077		
Predicted MDL:	0.163710		
Predicted MQL:	0.545701		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00045	-.000	.000	-.00079	.000	1
CAL2	4.0000	4.2644	.264	6.61	.00366	.000	1
CAL3	250.00	261.63	11.6	4.65	.27381	.000	1
CAL4	1250.0	1259.8	9.78	.782	1.3221	.006	1
CAL5	2500.0	2478.3	-21.7	-.867	2.6021	.006	1



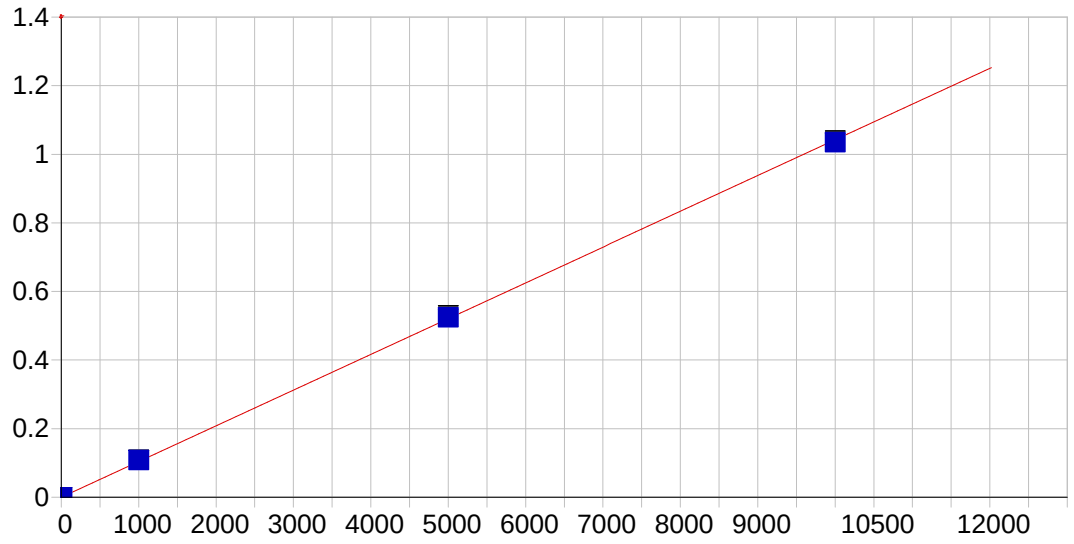
Co 228.616 {447}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000223	Re-Slope:	1.000000

A1 (Gain):	0.000935	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999942	Status:	OK.
Std Error of Est:	0.000261		
Predicted MDL:	0.239955		
Predicted MQL:	0.799850		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00374	-.004	.000	-.00023	.000	1
CAL2	50.000	52.032	2.03	4.06	.04843	.000	1
CAL3	500.00	518.24	18.2	3.65	.48700	.001	1
CAL4	2500.0	2508.3	8.26	.330	2.3583	.010	1
CAL5	5000.0	4971.5	-28.5	-.571	4.6748	.013	1

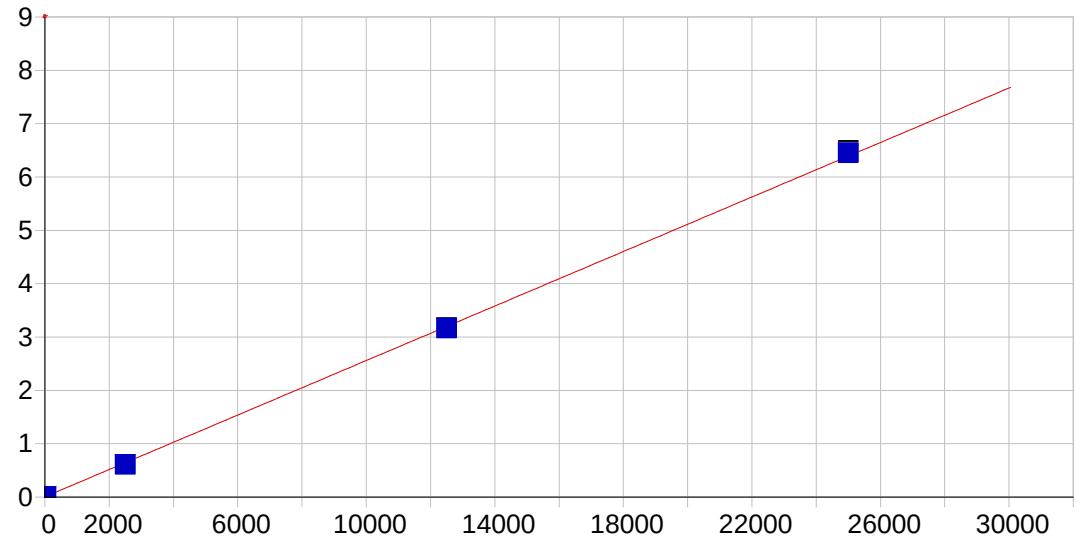


Cr 267.716 {126}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000083	Re-Slope:	1.000000
A1 (Gain):	0.000104	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999936	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	0.737726		
Predicted MQL:	2.459087		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00049	-.000	.000	.00008	.000	1
CAL2	10.000	10.126	.126	1.26	.00114	.000	1
CAL3	1000.0	1037.6	37.6	3.76	.10820	.000	1
CAL4	5000.0	5030.0	30.0	.600	.52418	.005	1
CAL5	10000.	9932.2	-67.8	-.678	1.0350	.004	1

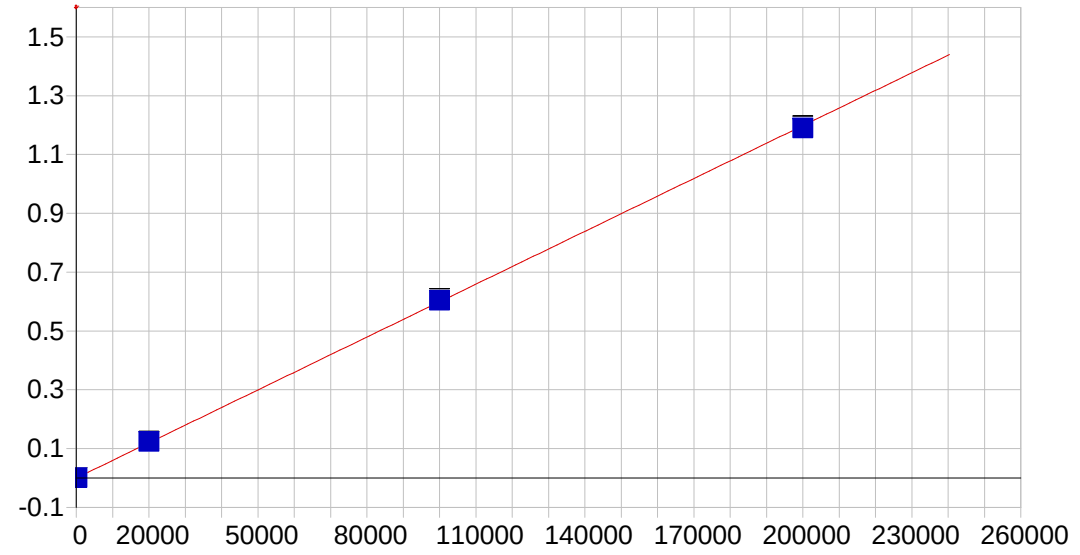


Cu 324.754 {104}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004909	Re-Slope:	1.000000
A1 (Gain):	0.000255	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999869	Status:	OK.
Std Error of Est:	0.000169		
Predicted MDL:	0.476068		
Predicted MQL:	1.586892		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00265	.003	.000	.00491	.000	1
CAL2	25.000	23.626	-1.37	-5.49	.01093	.000	1
CAL3	2500.0	2372.1	-128.	-5.12	.61035	.000	1
CAL4	12500.	12374.	-126.	-1.00	3.1634	.001	1
CAL5	25000.	25255.	255.	1.02	6.4512	.035	1



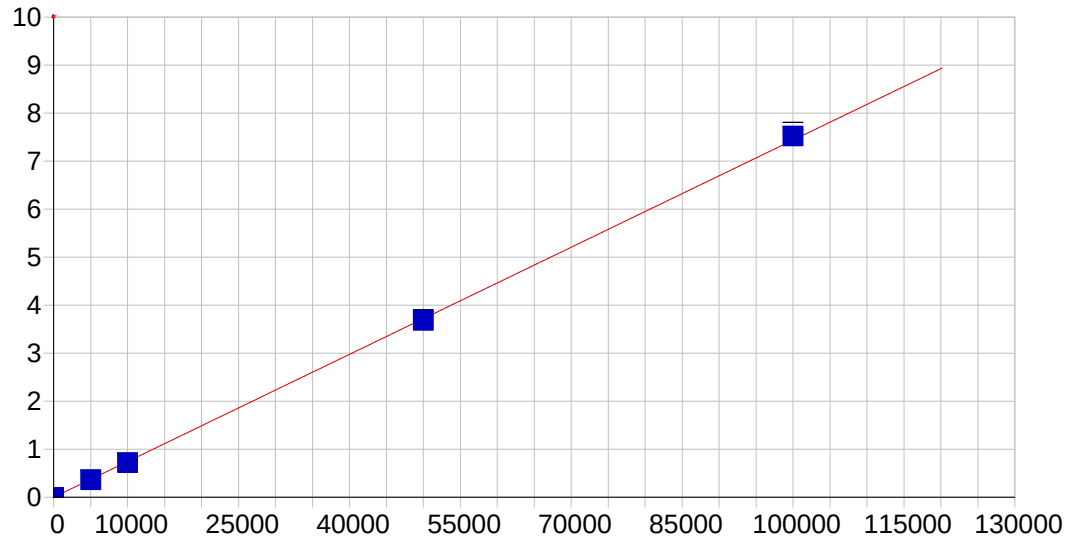
Fe 271.441 {124}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000043	Re-Slope:	1.000000

A1 (Gain):	0.000006	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999935	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	14.094721		
Predicted MQL:	46.982403		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02277	-.023	.000	.00004	.000	1
CAL2	150.00	167.60	17.6	11.7	.00107	.000	1
CAL3	20000.	20684.	684.	3.42	.12427	.001	1
CAL4	100000.	100760.	763.	.763	.60529	.006	1
CAL5	200000.	198530.	-1470.	-.733	1.1926	.006	1

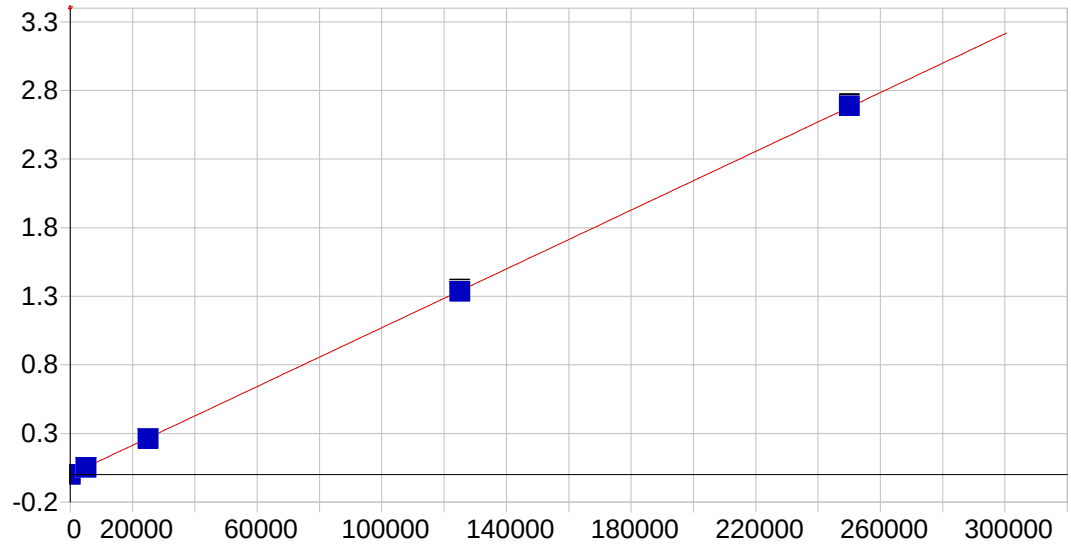


K 766.490 { 44}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003118	Re-Slope:	1.000000
A1 (Gain):	0.000074	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999880	Status:	OK.
Std Error of Est:	0.001350		
Predicted MDL:	32.632693		
Predicted MQL:	108.775645		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.37553	.376	.000	.00315	.003	1
CAL2	5000.0	4796.7	-203.	-4.07	.35978	.003	1
CAL3	10000.	9660.3	-340.	-3.40	.72169	.002	1
CAL4	50000.	49410.	-590.	-1.18	3.6784	.014	1
CAL5	100000.	101130.	1130.	1.13	7.5257	.076	1

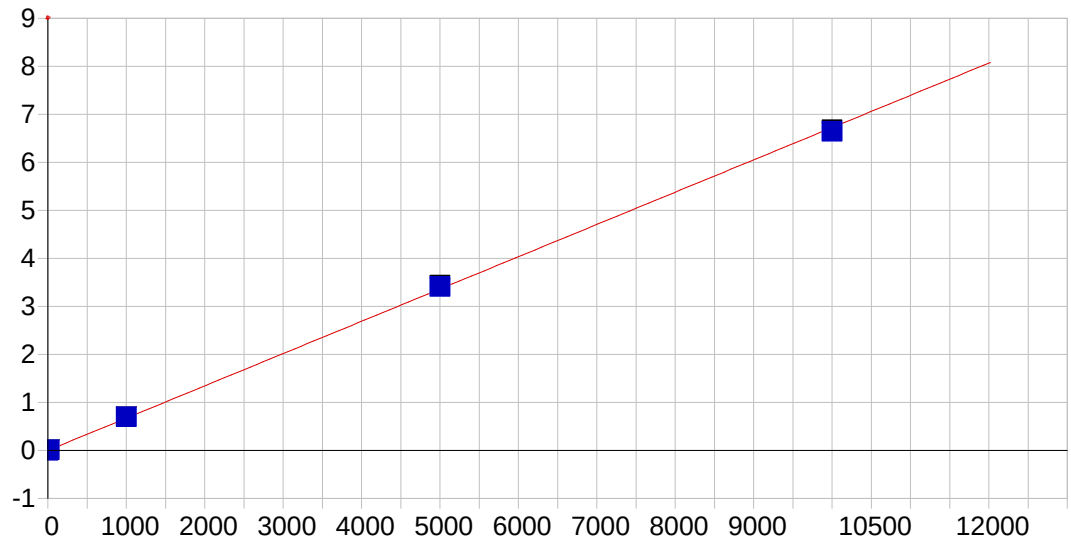


Mg 279.079 {121}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000038	Re-Slope:	1.000000
A1 (Gain):	0.000011	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.000158		
Predicted MDL:	7.328082		
Predicted MQL:	24.426940		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.29126	.291	.000	.00004	.000	1
CAL2	5000.0	4819.7	-180.	-3.61	.05166	.000	1
CAL3	25000.	24392.	-608.	-2.43	.26113	.002	1
CAL4	125000.	124750.	-252.	-.201	1.3354	.014	1
CAL5	250000.	251040.	1040.	.416	2.6873	.014	1



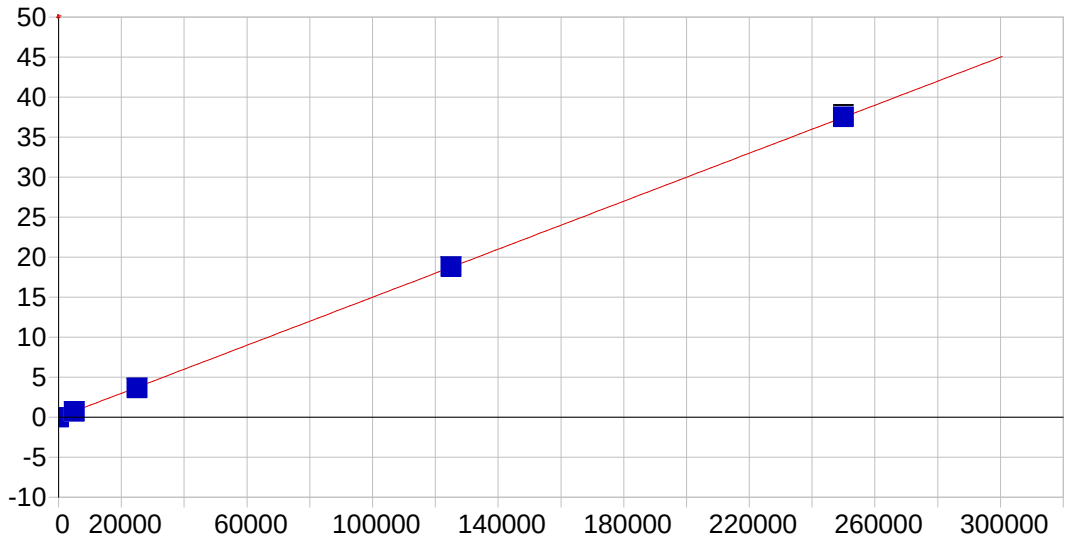
Mn 257.610 {131}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000028	Re-Slope:	1.000000

A1 (Gain):	0.000672	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999860	Status:	OK.
Std Error of Est:	0.000225		
Predicted MDL:	0.106052		
Predicted MQL:	0.353506		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00181	-.002	.000	.00003	.000	1
CAL2	15.000	16.120	1.12	7.46	.01086	.000	1
CAL3	1000.0	1043.1	43.1	4.31	.70013	.003	1
CAL4	5000.0	5074.7	74.7	1.49	3.4057	.029	1
CAL5	10000.	9881.0	-119.	-1.19	6.6309	.027	1

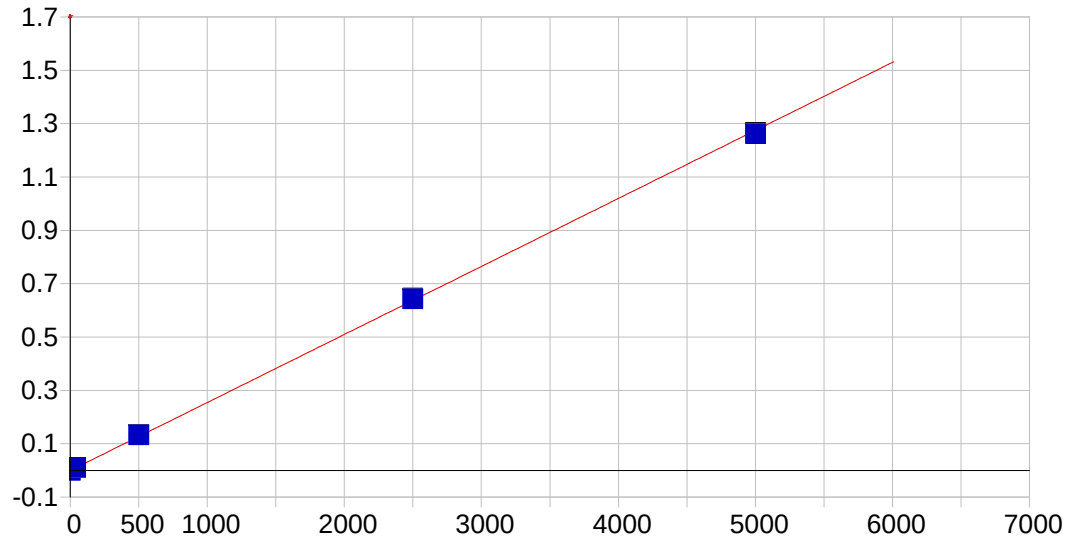


Na 589.592 { 57}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.005952	Re-Slope:	1.000000
A1 (Gain):	0.000150	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999981	Status:	OK.
Std Error of Est:	0.001696		
Predicted MDL:	14.965472		
Predicted MQL:	49.884906		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.17592	.176	.000	-.00593	.003	1
CAL2	5000.0	4916.3	-83.7	-1.67	.73145	.007	1
CAL3	25000.	24439.	-561.	-2.25	3.6607	.014	1
CAL4	125000.	125360.	355.	.284	18.802	.045	1
CAL5	250000.	250290.	290.	.116	37.546	.235	1

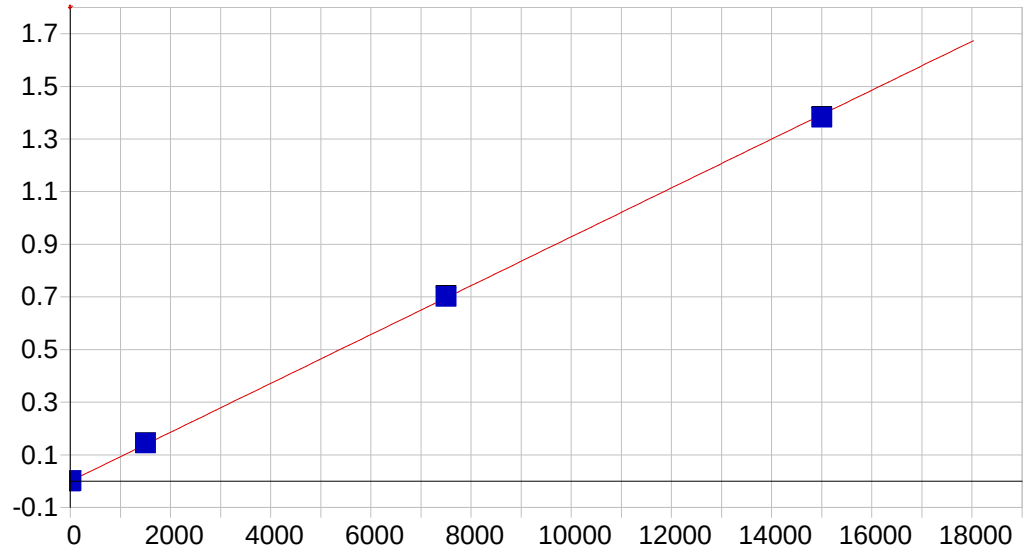


Ni 231.604 {446}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000397	Re-Slope:	1.000000
A1 (Gain):	0.000255	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999876	Status:	OK.
Std Error of Est:	0.000093		
Predicted MDL:	0.617730		
Predicted MQL:	2.059100		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00460	-.005	.000	-.00040	.000	1
CAL2	40.000	42.730	2.73	6.83	.01050	.000	1
CAL3	500.00	523.81	23.8	4.76	.13320	.000	1
CAL4	2500.0	2522.0	22.0	.881	.64283	.003	1
CAL5	5000.0	4951.4	-48.6	-.971	1.2624	.003	1



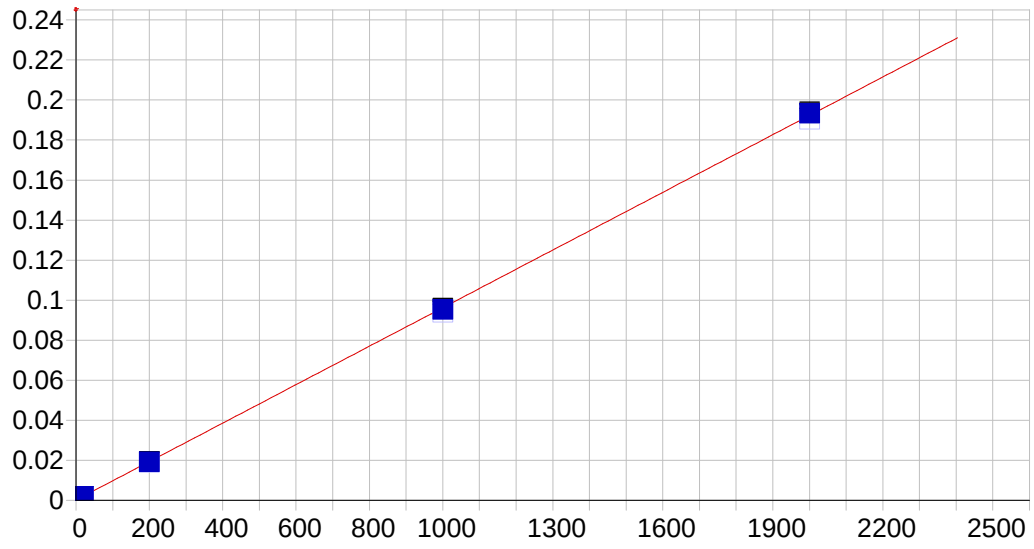
Pb 220.353 {453}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000110	Re-Slope:	1.000000

A1 (Gain):	0.000093	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999928	Status:	OK.
Std Error of Est:	0.000015		
Predicted MDL:	1.815503		
Predicted MQL:	6.051678		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00068	-.001	.000	-.00011	.000	1
CAL2	10.000	10.018	.018	.182	.00082	.000	1
CAL3	1500.0	1555.9	55.9	3.73	.14415	.000	1
CAL4	7500.0	7557.2	57.2	.763	.70056	.004	1
CAL5	15000.	14886.	-114.	-.757	1.3801	.003	1
CAL1	5.0000	5.4872	.487	9.74	.00040	.000	1

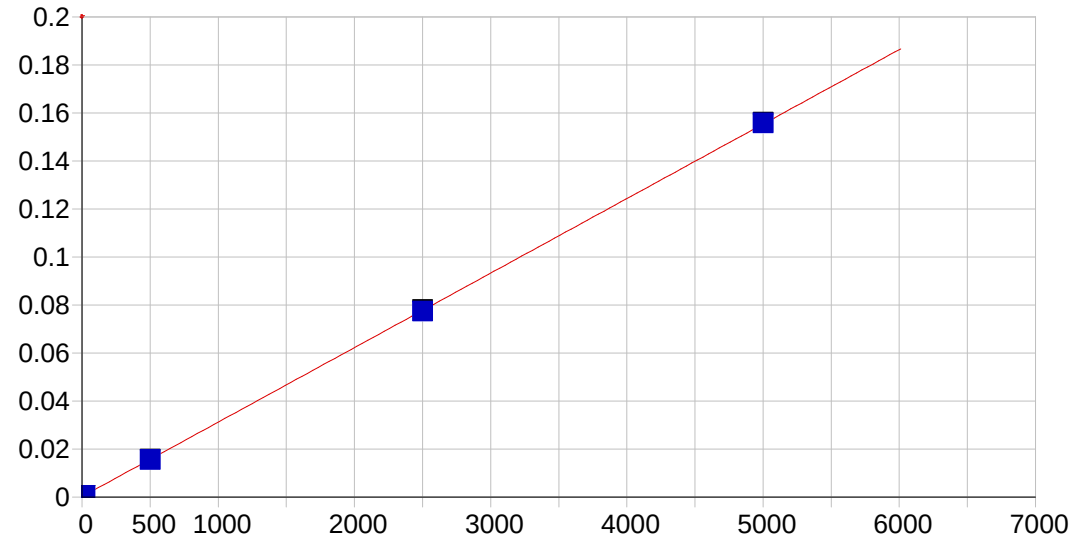


Sb 206.833 {463}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000145	Re-Slope:	1.000000
A1 (Gain):	0.000096	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999971	Status:	OK.
Std Error of Est:	0.000005		
Predicted MDL:	1.581783		
Predicted MQL:	5.272611		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00074	.001	.000	.00015	.000	1
CAL2	20.000	19.546	-.454	-2.27	.00191	.000	1
CAL3	200.00	198.90	-1.10	-.552	.01895	.000	1
CAL4	1000.0	990.75	-9.25	-.925	.09380	.001	1
CAL5	2000.0	2011.2	11.2	.561	.19030	.001	1
CAL1	10.000	9.5776	-.422	-4.22	.00107	.000	1

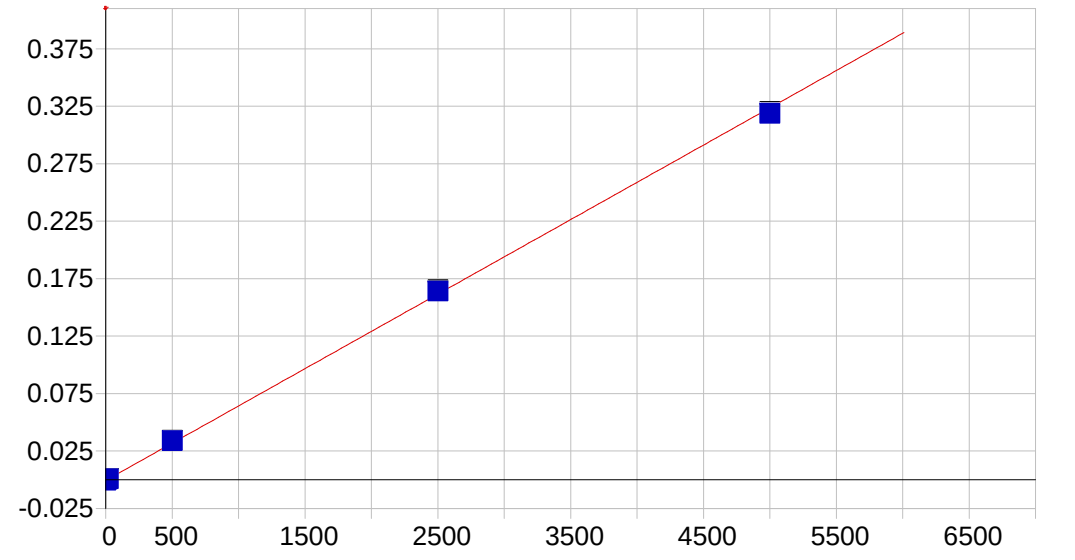


Se 196.090 {472}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000190	Re-Slope:	1.000000
A1 (Gain):	0.000031	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999974	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	3.605648		
Predicted MQL:	12.018828		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00146	.001	.000	.00019	.000	1
CAL2	20.000	19.021	-.979	-4.90	.00078	.000	1
CAL3	500.00	496.99	-3.01	-.602	.01559	.000	1
CAL4	2500.0	2490.9	-9.14	-.365	.07739	.000	1
CAL5	5000.0	5014.3	14.3	.286	.15560	.000	1
CAL1	5.0000	3.8151	-1.18	-23.7	.00031	.000	1

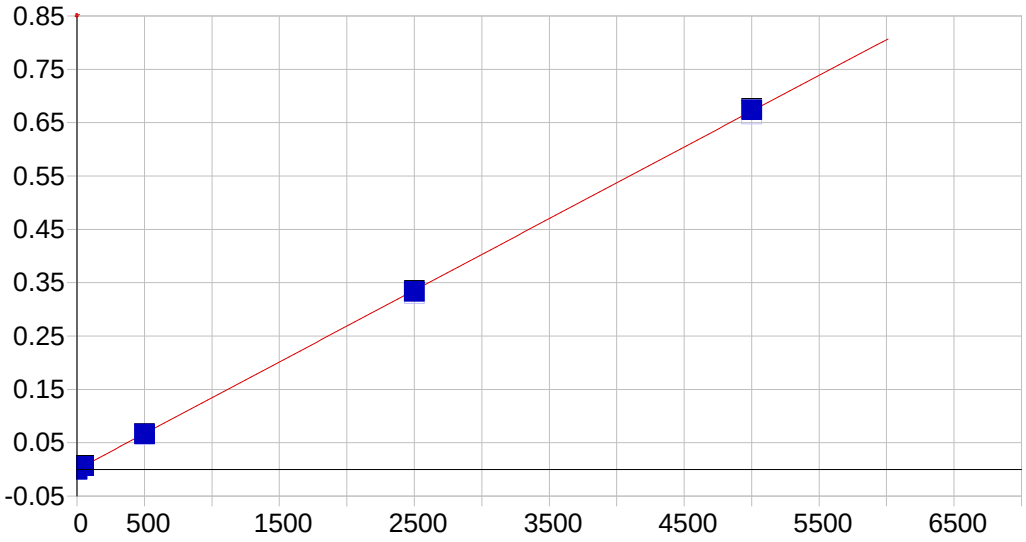


Tl 190.856 {477}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000587	Re-Slope:	1.000000
A1 (Gain):	0.000065	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999688	Status:	OK.
Std Error of Est:	0.000018		
Predicted MDL:	2.269094		
Predicted MQL:	7.563648		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00488	-.005	.000	-.00059	.000	1
CAL2	20.000	22.983	2.98	14.9	.00091	.000	1
CAL3	500.00	532.15	32.2	6.43	.03400	.000	1
CAL4	2500.0	2538.8	38.8	1.55	.16443	.001	1
CAL5	5000.0	4923.3	-76.7	-1.53	.31944	.001	1
CAL1	10.000	12.741	2.74	27.4	.00024	.000	1

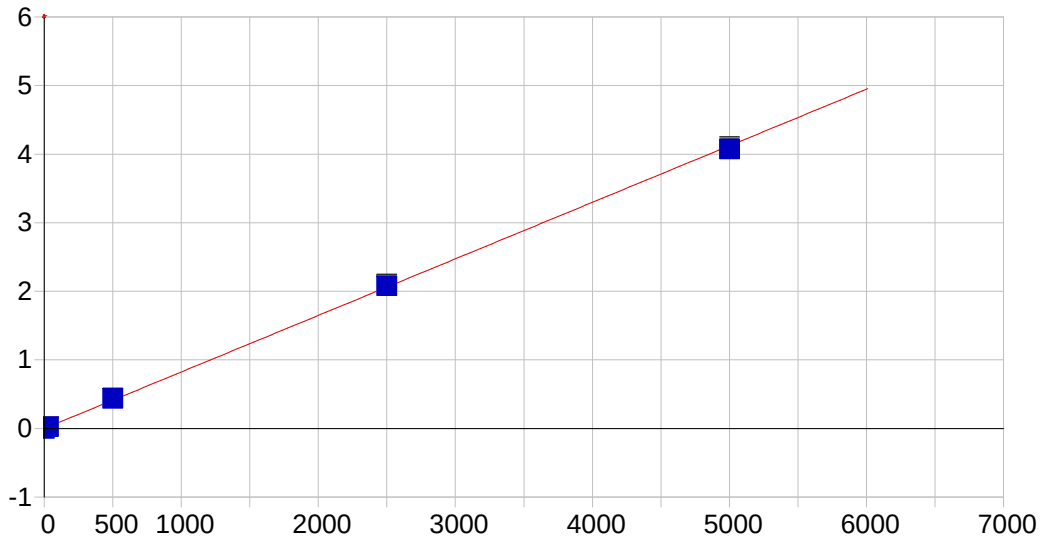


V 292.402 {115}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000020	Re-Slope:	1.000000
A1 (Gain):	0.000134	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999981	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.725986		
Predicted MQL:	2.419954		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00078	.001	.000	-.00002	.000	1
CAL2	50.000	49.989	-.011	-.021	.00666	.000	1
CAL3	500.00	493.20	-6.80	-1.36	.06536	.000	1
CAL4	2500.0	2484.1	-15.9	-.636	.32933	.001	1
CAL5	5000.0	5022.7	22.7	.454	.66601	.002	1

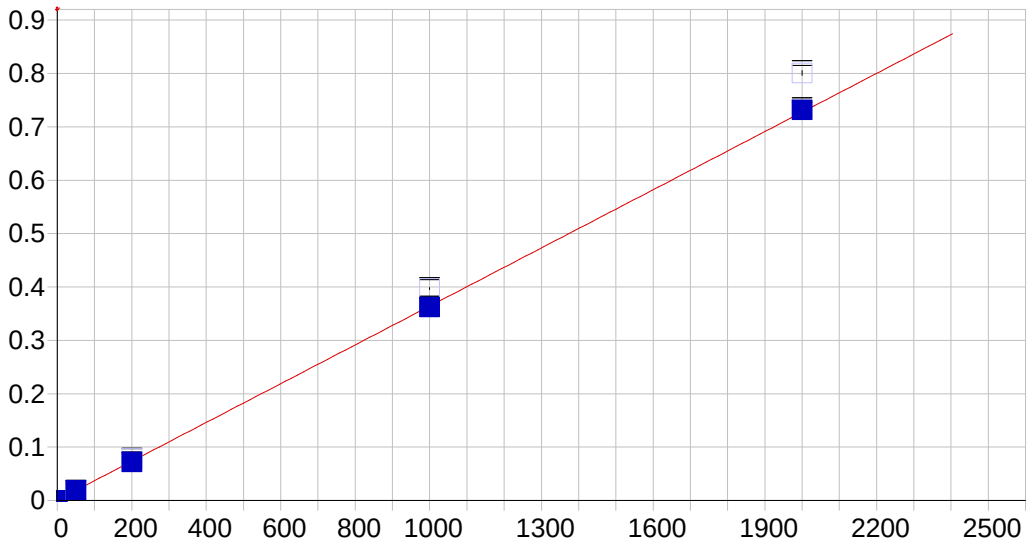


Zn 206.200 {463}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000126	Re-Slope:	1.000000
A1 (Gain):	0.000824	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999794	Status:	OK.
Std Error of Est:	0.000336		
Predicted MDL:	0.191310		
Predicted MQL:	0.637700		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00601	-.006	.000	-.00013	.000	1
CAL2	30.000	34.248	4.25	14.2	.02810	.000	1
CAL3	500.00	530.52	30.5	6.10	.43903	.002	1
CAL4	2500.0	2522.7	22.7	.907	2.0886	.015	1
CAL5	5000.0	4942.6	-57.4	-1.15	4.0925	.013	1



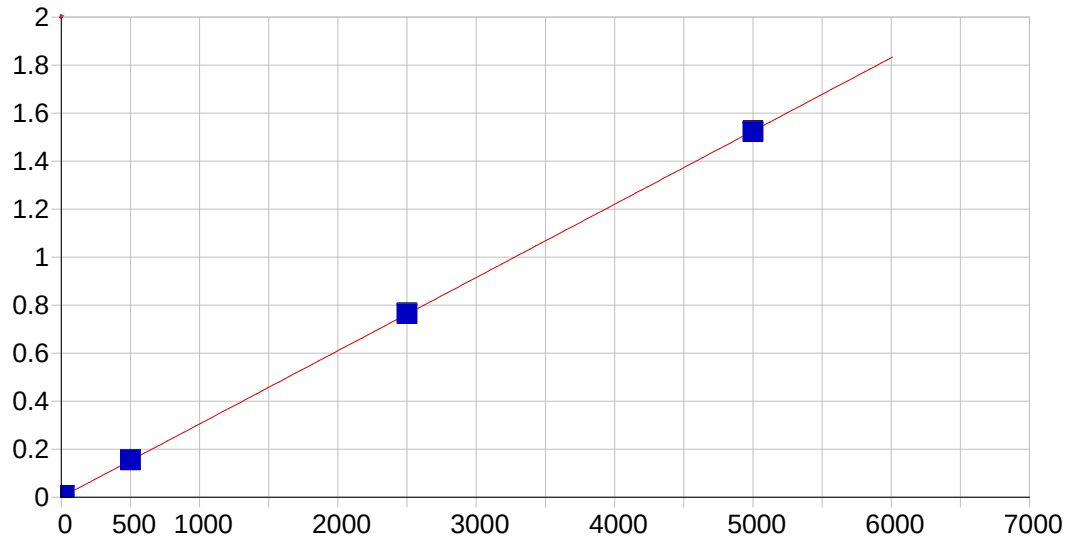
B 208.959 {461}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000777	Re-Slope:	1.000000

A1 (Gain):	0.000363	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999973	Status:	OK.
Std Error of Est:	0.000048		
Predicted MDL:	0.463866		
Predicted MQL:	1.546221		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00194	.002	.000	.00078	.000	1
CAL2	50.000	49.224	-.776	-1.55	.01894	.000	1
CAL3	200.00	195.35	-4.65	-2.32	.07870	.000	1
CAL4	1000.0	994.49	-5.51	-.551	.39685	.002	1
CAL5	2000.0	2010.9	10.9	.544	.80088	.004	1

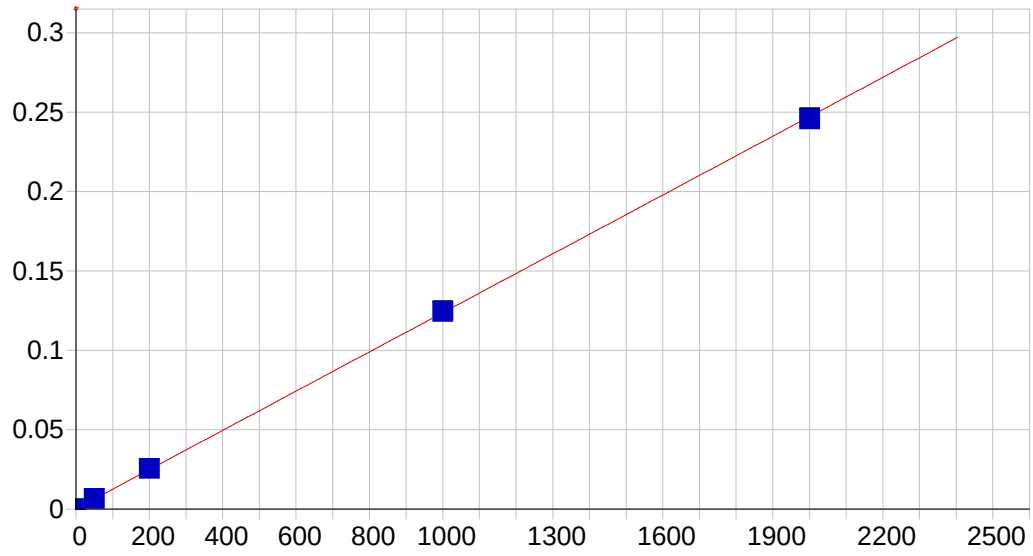


Mo 202.030 {467}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000277	Re-Slope:	1.000000
A1 (Gain):	0.000305	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999992	Status:	OK.
Std Error of Est:	0.000020		
Predicted MDL:	0.392647		
Predicted MQL:	1.308825		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00014	-.000	.000	.00028	.000	1
CAL2	20.000	19.873	-.127	-.633	.00634	.000	1
CAL3	500.00	507.07	7.07	1.41	.15489	.000	1
CAL4	2500.0	2504.0	3.99	.160	.76381	.002	1
CAL5	5000.0	4989.1	-10.9	-.219	1.5216	.004	1

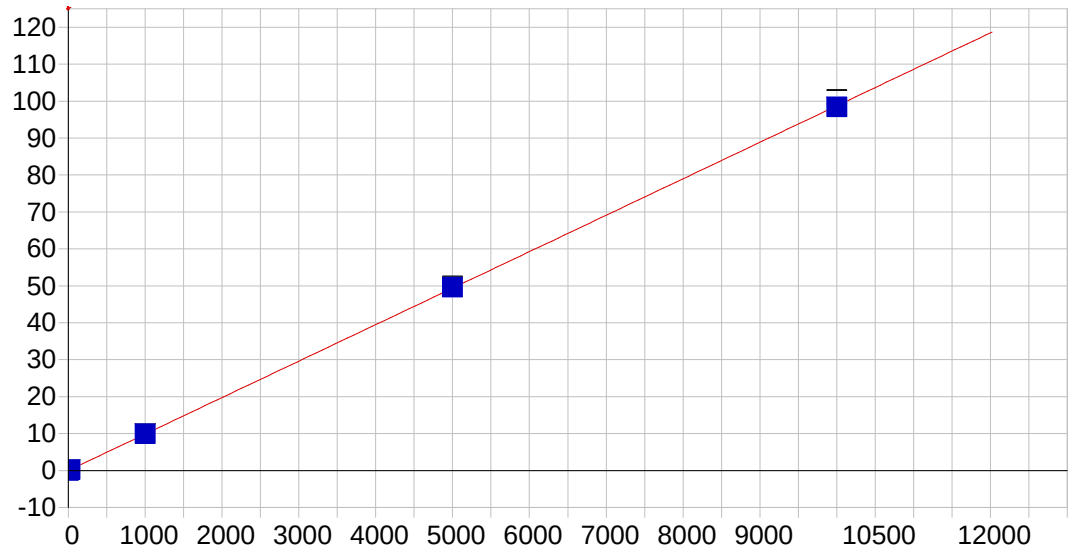


Sn 189.989 {477}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000201	Re-Slope:	1.000000
A1 (Gain):	0.000124	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999959	Status:	OK.
Std Error of Est:	0.000018		
Predicted MDL:	0.909524		
Predicted MQL:	3.031748		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00272	-.003	.000	.00020	.000	1
CAL2	50.000	51.513	1.51	3.03	.00656	.000	1
CAL3	200.00	204.96	4.96	2.48	.02547	.000	1
CAL4	1000.0	1005.3	5.26	.526	.12413	.000	1
CAL5	2000.0	1988.3	-11.7	-.587	.24531	.001	1



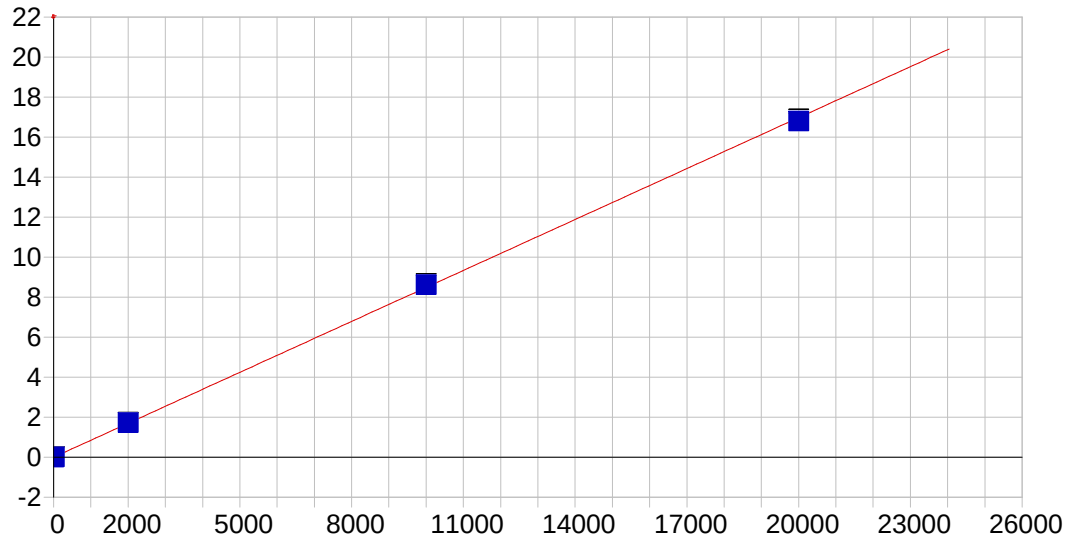
Sr 407.771 { 83}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003589	Re-Slope:	1.000000

A1 (Gain):	0.009873	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999990	Status:	OK.
Std Error of Est:	0.001020		
Predicted MDL:	0.103020		
Predicted MQL:	0.343400		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00112	-.001	.000	-.00360	.000	1
CAL2	20.000	20.922	.922	4.61	.20324	.002	1
CAL3	1000.0	1008.5	8.46	.846	9.9572	.030	1
CAL4	5000.0	5022.7	22.7	.454	49.607	.302	1
CAL5	10000.	9967.9	-32.1	-.321	98.452	1.86	1

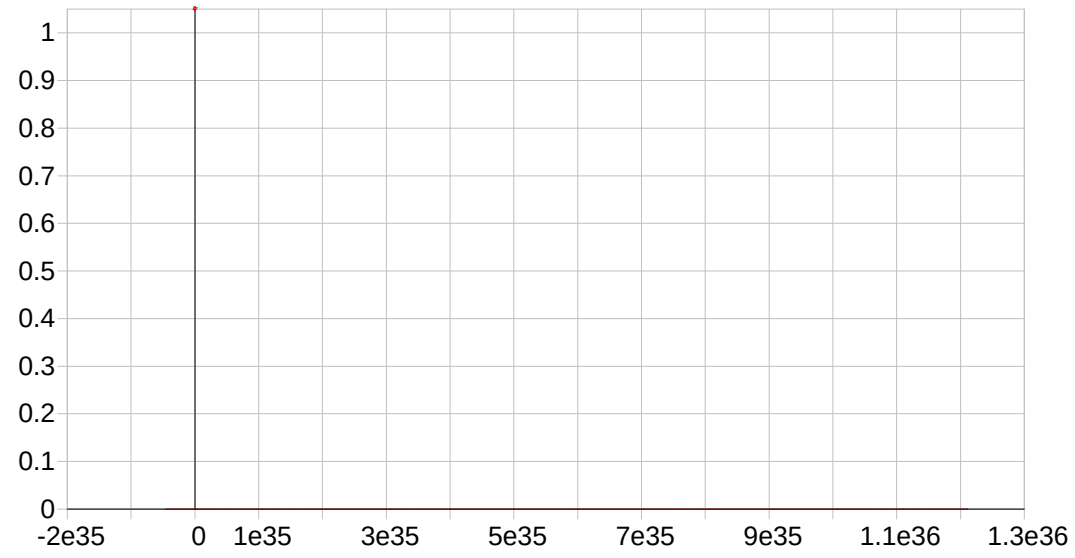


Ti 334.941 {101}

Date of Fit:	8/25/2016 10:52:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000110	Re-Slope:	1.000000
A1 (Gain):	0.000849	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999907	Status:	OK.
Std Error of Est:	0.000378		
Predicted MDL:	0.167529		
Predicted MQL:	0.558431		

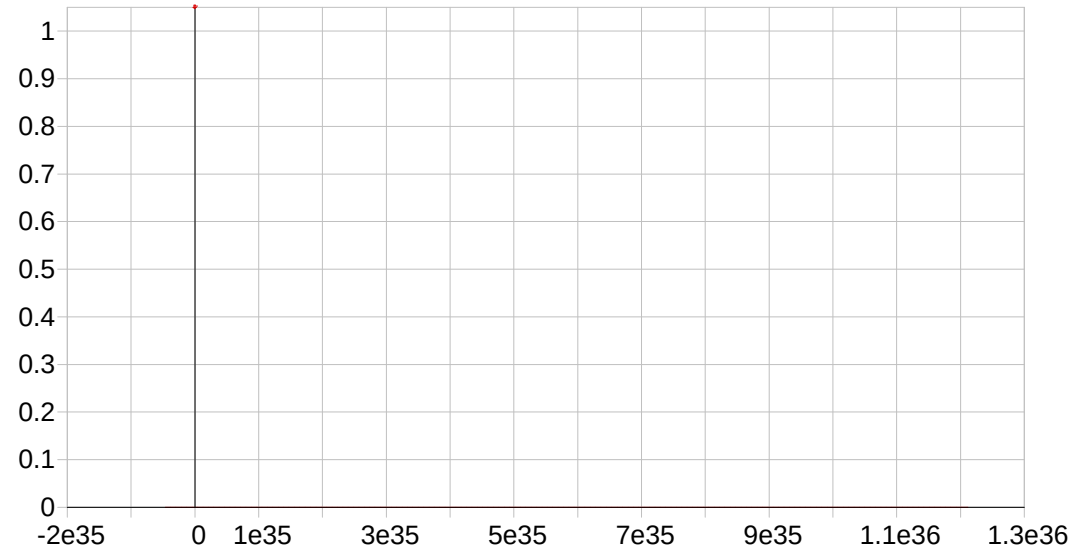
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00151	-.002	.000	-.00011	.000	1
CAL2	20.000	20.947	.947	4.73	.01767	.000	1
CAL3	2000.0	2044.3	44.3	2.22	1.7351	.003	1
CAL4	10000.	10165.	165.	1.65	8.6279	.042	1
CAL5	20000.	19790.	-210.	-1.05	16.798	.099	1



Y 224.306 {450}*

Date of Fit:	8/25/2016 10:28:59	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	183.492520				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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

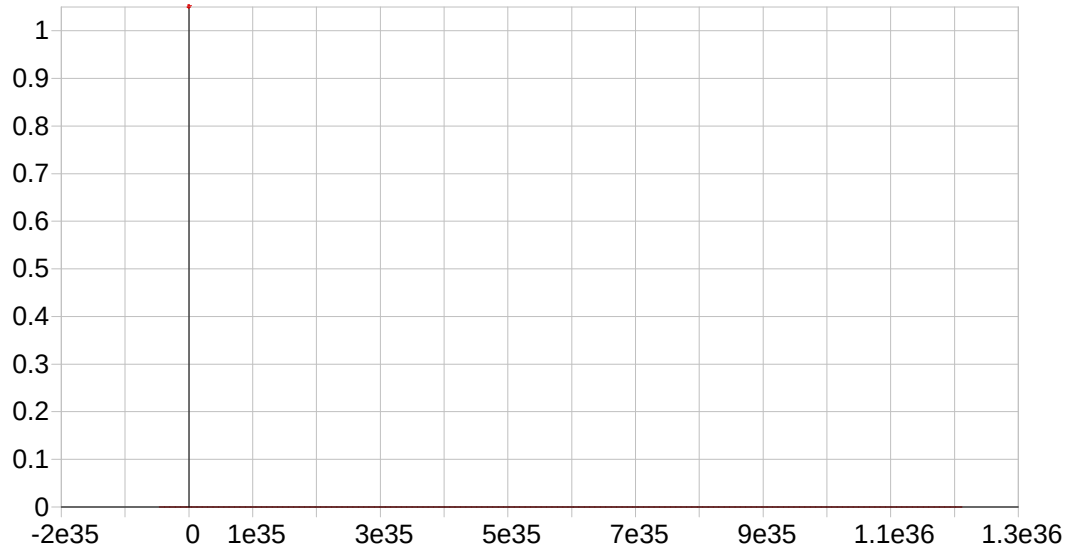


Y 360.073 { 94}*

Date of Fit:	8/25/2016 10:28:59	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				

Predicted MDL: n/a
Predicted MQL: n/a

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

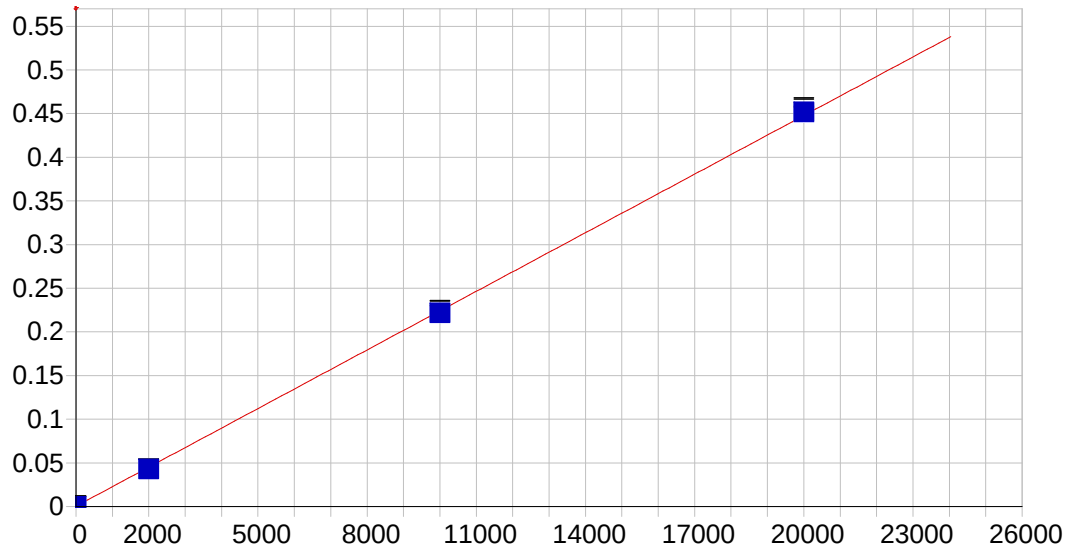


Y 371.030 { 91}*

Date of Fit: 8/25/2016 10:28:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.000000 Status: Warning Zero Gain
Std Error of Est: 192.759705
Predicted MDL: n/a
Predicted MQL: n/a

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



Si 288.158 {117}

Date of Fit: 8/25/2016 10:52:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000378	Re-Slope:	1.000000
A1 (Gain):	0.000022	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999889	Status:	OK.
Std Error of Est:	0.000119		
Predicted MDL:	18.260093		
Predicted MQL:	60.866977		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.09293	.093	.000	.00038	.000	1
CAL5	20000.	20191.	191.	.953	.45075	.005	1
CAL3	2000.0	1907.7	-92.3	-4.62	.04292	.000	1
CAL4	10000.	9901.7	-98.3	-.983	.22123	.003	1

Sample Name: ICIS Cal Blk Acquired: 8/25/2016 10:29:41 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**.0000**	**-.0004**	**-.0000**	**.0003**	**-.0072**
Stddev	.0000	.0001	.0001	.0001	.0006	.0001
%RSD	15.55	306.1	19.77	717.9	226.3	1.809
#1	.0002	-.0000	-.0005	-.0001	.0009	-.0070
#2	.0003	.0000	-.0004	.0000	-.0001	-.0073
#3	.0002	.0001	-.0003	.0000	-.0001	-.0072

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0008**	**-.0002**	**.0001**	**.0049**	**.0000**	**.0031**
Stddev	.0001	.0001	.0000	.0000	.0001	.0027
%RSD	8.086	54.71	15.31	.2104	119.3	86.74
#1	-.0008	-.0004	.0001	.0049	.0000	.0023
#2	-.0008	-.0001	.0001	.0049	.0000	.0009
#3	-.0009	-.0002	.0001	.0049	.0001	.0062

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0000**	**-.0059**	**-.0004**	**-.0001**	**.0001**
Stddev	.0001	.0001	.0029	.0001	.0002	.0001
%RSD	198.5	314.3	48.75	22.47	147.3	82.01
#1	.0001	-.0001	-.0072	-.0004	.0000	.0003
#2	.0001	.0001	-.0080	-.0003	-.0003	.0001
#3	-.0001	.0001	-.0026	-.0005	-.0001	.0001

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**-.0006**	**-.0000**	**-.0001**	**.0008**	**.0003**
Stddev	.0000	.0001	.0001	.0002	.0001	.0001
%RSD	13.82	23.63	500.9	154.9	14.69	40.36
#1	.0002	-.0004	-.0001	-.0000	.0007	.0002
#2	.0002	-.0007	.0000	-.0004	.0009	.0004
#3	.0002	-.0007	.0000	-.0000	.0007	.0003

Sample Name: ICIS Cal Blk Acquired: 8/25/2016 10:29:41 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**-.0036**	**-.0001**	**.0004**
Stddev	.0000	.0004	.0001	.0003
%RSD	15.24	12.38	76.01	76.77
#1	.0002	-.0041	-.0001	.0002
#2	.0002	-.0036	-.0002	.0003
#3	.0002	-.0032	-.0000	.0007

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4156.1**	**29434.**	**3578.2**
Stddev	3.3	119.	44.5
%RSD	.08053	.40480	1.2432
#1	4154.1	29309.	3530.1
#2	4154.2	29546.	3617.8
#3	4159.9	29449.	3586.8

Sample Name: CAL1 Acquired: 8/25/2016 10:33:42 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0003**	**.0004**	**.0011**	**.0003**	**.0002**
Stddev	.0001	.0001	.0000	.0001	.0001
%RSD	28.83	23.49	2.306	31.45	42.43
#1	.0002	.0005	.0011	.0002	.0002
#2	.0003	.0004	.0010	.0003	.0002
#3	.0004	.0003	.0011	.0004	.0004

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	**4137.8**
Stddev	3.5
%RSD	.08524
#1	4137.7
#2	4141.3
#3	4134.3

Sample Name: CAL2 Acquired: 8/25/2016 10:37:44 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0110**	**.0011**	**.0016**	**.0903**	**.0075**	**.0734**
Stddev	.0008	.0001	.0000	.0004	.0004	.0009
%RSD	7.352	11.03	2.962	.4506	4.766	1.290
#1	.0109	.0012	.0016	.0899	.0074	.0723
#2	.0118	.0009	.0016	.0907	.0079	.0740
#3	.0102	.0011	.0017	.0902	.0072	.0739

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0037**	**.0484**	**.0011**	**.0109**	**.0011**	**.3598**
Stddev	.0001	.0004	.0000	.0001	.0000	.0035
%RSD	1.563	.7230	3.737	.7358	3.521	.9668
#1	.0037	.0480	.0011	.0109	.0010	.3591
#2	.0036	.0487	.0011	.0110	.0011	.3567
#3	.0037	.0486	.0012	.0109	.0011	.3635

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0517**	**.0109**	**.7315**	**.0105**	**.0008**	**.0019**
Stddev	.0004	.0001	.0071	.0001	.0001	.0000
%RSD	.7996	.7514	.9702	.5302	10.77	.8886
#1	.0512	.0108	.7239	.0105	.0009	.0019
#2	.0519	.0109	.7324	.0106	.0008	.0019
#3	.0519	.0108	.7380	.0105	.0008	.0019

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0008**	**.0009**	**.0067**	**.0281**	**.0189**	**.0063**
Stddev	.0001	.0001	.0001	.0005	.0001	.0001
%RSD	7.559	14.79	1.269	1.649	.3341	1.437
#1	.0008	.0009	.0066	.0277	.0189	.0063
#2	.0008	.0008	.0067	.0280	.0190	.0064
#3	.0007	.0011	.0067	.0286	.0189	.0062

Sample Name: CAL2 Acquired: 8/25/2016 10:37:44 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	**.0066**	**.2032**	**.0177**
Stddev	.0001	.0019	.0000
%RSD	.7795	.9118	.2137
#1	.0066	.2017	.0177
#2	.0065	.2027	.0177
#3	.0065	.2053	.0176
Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4147.9**	**29399.**	**3610.8**
Stddev	7.6	195.	67.0
%RSD	.18229	.66408	1.8568
#1	4144.5	29622.	3652.0
#2	4156.5	29260.	3647.0
#3	4142.6	29315.	3533.5

Sample Name: CAL3 Acquired: 8/25/2016 10:41:42 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.337**	**.0338**	**.0509**	**.8880**	**.6763**	**.3922**
Stddev	.004	.0002	.0003	.0009	.0041	.0026
%RSD	.2892	.5718	.4981	.0992	.6081	.6735
#1	1.339	.0341	.0512	.8870	.6769	.3953
#2	1.340	.0338	.0508	.8885	.6801	.3904
#3	1.333	.0337	.0507	.8885	.6719	.3910

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2738**	**.4870**	**.1082**	**.6104**	**.1243**	**.7217**
Stddev	.0002	.0005	.0005	.0005	.0006	.0016
%RSD	.0884	.1049	.4240	.0753	.4817	.2186
#1	.2737	.4866	.1087	.6100	.1250	.7206
#2	.2737	.4869	.1080	.6102	.1239	.7235
#3	.2741	.4876	.1078	.6109	.1239	.7210

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2611**	**.7001**	**3.661**	**.1332**	**.1442**	**.0189**
Stddev	.0016	.0028	.014	.0004	.0001	.0000
%RSD	.6216	.3972	.3890	.2832	.0679	.0793
#1	.2630	.7033	3.661	.1330	.1442	.0189
#2	.2600	.6985	3.675	.1330	.1442	.0189
#3	.2604	.6985	3.647	.1336	.1440	.0190

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0156**	**.0340**	**.0654**	**.4390**	**.0787**	**.1549**
Stddev	.0002	.0003	.0001	.0022	.0003	.0005
%RSD	1.044	.8440	.2080	.4898	.4241	.3174
#1	.0156	.0337	.0654	.4399	.0784	.1545
#2	.0157	.0340	.0655	.4366	.0787	.1547
#3	.0154	.0343	.0652	.4406	.0790	.1555

Sample Name: CAL3 Acquired: 8/25/2016 10:41:42 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0255**	**9.957**	**1.735**	**.0429**
Stddev	.0001	.030	.003	.0004
%RSD	.5428	.2990	.1477	.9824
#1	.0256	9.930	1.738	.0426
#2	.0254	9.989	1.733	.0428
#3	.0254	9.953	1.734	.0434

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4093.2**	**28942.**	**3499.8**
Stddev	20.2	257.	53.7
%RSD	.49371	.88952	1.5341
#1	4072.3	28645.	3470.1
#2	4112.6	29077.	3467.5
#3	4094.5	29104.	3561.8

Sample Name: CAL4 Acquired: 8/25/2016 10:45:25 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.683**	**.1717**	**.2636**	**4.349**	**3.315**	**2.007**
Stddev	.028	.0013	.0011	.015	.014	.024
%RSD	.4230	.7310	.4207	.3469	.4190	1.172
#1	6.661	.1708	.2624	4.332	3.306	1.980
#2	6.673	.1712	.2641	4.354	3.307	2.016
#3	6.715	.1731	.2644	4.360	3.331	2.025

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.322**	**2.358**	**.5242**	**3.163**	**.6053**	**3.678**
Stddev	.006	.010	.0053	.001	.0058	.014
%RSD	.4829	.4270	1.017	.0288	.9515	.3877
#1	1.315	2.348	.5181	3.163	.5988	3.665
#2	1.325	2.358	.5263	3.164	.6073	3.677
#3	1.326	2.368	.5281	3.163	.6098	3.693

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.335**	**3.406**	**18.80**	**.6428**	**.7006**	**.0938**
Stddev	.014	.029	.05	.0028	.0036	.0007
%RSD	1.056	.8554	.2404	.4288	.5127	.7325
#1	1.320	3.373	18.78	.6401	.6967	.0933
#2	1.340	3.417	18.78	.6427	.7011	.0935
#3	1.347	3.427	18.85	.6456	.7038	.0946

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0774**	**.1644**	**.3293**	**2.089**	**.3969**	**.7638**
Stddev	.0005	.0007	.0014	.015	.0019	.0023
%RSD	.6063	.4255	.4358	.7127	.4687	.3060
#1	.0773	.1638	.3277	2.071	.3960	.7618
#2	.0770	.1643	.3302	2.097	.3956	.7633
#3	.0779	.1652	.3302	2.097	.3990	.7664

Sample Name: CAL4 Acquired: 8/25/2016 10:45:25 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1241**	**49.61**	**8.628**	**.2212**
Stddev	.0004	.30	.042	.0027
%RSD	.3518	.6079	.4838	1.210
#1	.1236	49.32	8.580	.2186
#2	.1243	49.59	8.647	.2211
#3	.1245	49.92	8.657	.2240

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3924.2**	**28022.**	**3495.2**
Stddev	7.8	174.	16.5
%RSD	.19867	.61991	.47098
#1	3927.2	28222.	3476.2
#2	3929.9	27927.	3504.8
#3	3915.3	27916.	3504.6

Sample Name: CAL5 Acquired: 8/25/2016 10:48:59 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**13.52**	**.3501**	**.5402**	**8.542**	**6.595**	**4.007**
Stddev	.12	.0014	.0032	.012	.072	.012
%RSD	.9046	.4080	.5854	.1452	1.085	.3088
#1	13.38	.3486	.5366	8.529	6.514	3.995
#2	13.56	.3515	.5413	8.553	6.622	4.006
#3	13.62	.3501	.5427	8.544	6.650	4.020

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.602**	**4.675**	**1.035**	**6.451**	**1.193**	**7.526**
Stddev	.006	.013	.004	.035	.006	.075
%RSD	.2443	.2759	.3458	.5388	.4676	1.003
#1	2.595	4.660	1.031	6.411	1.187	7.442
#2	2.605	4.682	1.035	6.467	1.194	7.546
#3	2.607	4.683	1.039	6.475	1.198	7.589

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.687**	**6.631**	**37.55**	**1.262**	**1.380**	**.1903**
Stddev	.014	.027	.23	.003	.003	.0006
%RSD	.5093	.4017	.6257	.2266	.2341	.3329
#1	2.674	6.602	37.29	1.259	1.376	.1896
#2	2.687	6.635	37.60	1.265	1.382	.1909
#3	2.701	6.655	37.75	1.263	1.382	.1904

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1556**	**.3194**	**.6660**	**4.093**	**.8009**	**1.522**
Stddev	.0003	.0009	.0020	.013	.0043	.004
%RSD	.2101	.2704	.3034	.3081	.5396	.2371
#1	.1554	.3185	.6637	4.079	.7959	1.517
#2	.1560	.3200	.6669	4.103	.8027	1.523
#3	.1554	.3198	.6675	4.096	.8040	1.524

Sample Name: CAL5 Acquired: 8/25/2016 10:48:59 Type: Cal
Method: BC08232016(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2453**	**98.45**	**16.80**	**.4508**
Stddev	.0006	1.86	.10	.0046
%RSD	.2566	1.888	.5879	1.031
#1	.2446	96.50	16.70	.4454
#2	.2458	98.65	16.79	.4537
#3	.2455	100.2	16.90	.4531

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3759.3**	**27235.**	**3429.0**
Stddev	3.0	52.	12.8
%RSD	.08007	.19047	.37302
#1	3759.7	27276.	3418.5
#2	3756.1	27253.	3443.2
#3	3762.1	27177.	3425.1

Sample Name: ICV Acquired: 8/25/2016 10:52:50 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122500.**	**2458.**	**1223.**	**9995.**	**997.3**	**122500.**
Stddev	375.	5.	3.	4.	3.2	555.
%RSD	.3065	.2165	.2564	.0368	.3165	.4528
#1	122100.	2464.	1219.	9992.	994.5	122000.
#2	122800.	2454.	1225.	9993.	1001.	122500.
#3	122500.	2457.	1224.	9999.	996.7	123100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1244.**	**2473.**	**4981.**	**12290.**	**98930.**	**48740.**
Stddev	.	3.	20.	32.	268.	227.
%RSD	.0218	.1120	.4107	.2618	.2713	.4661
#1	1243.	2474.	4959.	12300.	98630.	48480.
#2	1244.	2469.	4985.	12310.	99040.	48900.
#3	1244.	2474.	5000.	12250.	99130.	48840.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122600.**	**5023.**	**123300.**	**2497.**	**7461.**	**982.3**
Stddev	369.	16.	331.	2.	3.	5.4
%RSD	.3007	.3140	.2686	.0729	.0423	.5475
#1	122200.	5007.	123000.	2499.	7465.	988.3
#2	122700.	5024.	123700.	2497.	7461.	980.4
#3	122900.	5038.	123400.	2495.	7459.	978.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 8/25/2016 10:52:50 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2464.**	**2502.**	**2442.**	**2491.**	**994.3**	**2443.**
Stddev	10.	11.	6.	7.	3.5	3.
%RSD	.4127	.4495	.2587	.2886	.3510	.1341
#1	2475.	2505.	2436.	2483.	997.8	2445.
#2	2459.	2512.	2442.	2497.	994.2	2439.
#3	2457.	2490.	2449.	2494.	990.8	2444.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**987.2**	**5011.**	**10050.**	**9822.**
Stddev	.7	16.	11.	64.
%RSD	.0748	.3101	.1077	.6496
#1	986.8	4994.	10040.	9802.
#2	986.9	5025.	10050.	9893.
#3	988.1	5014.	10060.	9770.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.0**	**28369.**	**3545.6**
Stddev	4.4	98.	12.1
%RSD	.11187	.34387	.34065
#1	3944.9	28455.	3554.4
#2	3953.2	28389.	3550.5
#3	3951.8	28263.	3531.8

Sample Name: ICB Acquired: 8/25/2016 10:56:26 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-18.71**	**.0006**	**.1175**	**.3427**	**-.0775**	**-3.052**
Stddev	2.53	1.521	.2037	.1911	.0721	8.022
%RSD	13.53	259200.	173.3	55.77	93.04	262.9
#1	-20.69	.5132	.3429	.4799	-.1525	-1.493
#2	-19.59	1.199	.0629	.1244	-.0088	-11.74
#3	-15.86	-1.711	-.0533	.4237	-.0711	4.076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1926**	**-.0713**	**-.3223**	**.5144**	**3.664**	**22.22**
Stddev	.0719	.2523	.2556	.2670	6.295	6.41
%RSD	37.35	353.7	79.29	51.91	171.8	28.87
#1	.2060	-.0408	-.1099	.5035	7.011	22.72
#2	.1149	-.3375	-.2511	.7867	7.579	15.57
#3	.2569	.1643	-.6060	.2530	-3.597	28.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.037**	**.0606**	**40.69**	**.4267**	**-.9981**	**1.336**
Stddev	5.041	.0332	21.58	.8874	1.271	.833
%RSD	166.0	54.85	53.04	208.0	127.3	62.37
#1	-7.441	.0795	64.88	-.4914	-.8156	2.258
#2	-4.133	.0222	33.78	1.280	.1714	.6381
#3	2.461	.0800	23.41	.4918	-2.350	1.111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 8/25/2016 10:56:26 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.032**	**.0338**	**-.2840**	**.0263**	**3.076**	**.9544**
Stddev	2.004	1.111	.1136	.0937	.995	.6939
%RSD	66.10	3284.	39.98	356.7	32.34	72.71
#1	-4.999	.9186	-.2307	-.0405	4.079	1.681
#2	-3.105	.3956	-.2069	.1335	3.059	.8826
#3	-.9923	-1.213	-.4144	-.0141	2.090	.2991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0542**	**-.0551**	**.4185**	**16.00**
Stddev	.0284	.0761	.1888	4.08
%RSD	52.36	138.2	45.10	25.48
#1	.0862	.0239	.4666	20.22
#2	.0323	-.1278	.5786	15.71
#3	.0441	-.0613	.2104	12.08
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4178.7**	**29556.**	**3510.7**
Stddev	30.1	375.	41.1
%RSD	.71989	1.2684	1.1719
#1	4204.0	29897.	3554.0
#2	4145.5	29154.	3472.1
#3	4186.8	29616.	3505.9

Sample Name: ICVL Acquired: 8/25/2016 11:00:27 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**181.9**	**13.10**	**9.023**	**192.3**	**1.954**	**4581.**
Stddev	10.0	1.43	.331	.3	.109	33.
%RSD	5.505	10.90	3.663	.1678	5.552	.7107
#1	190.1	12.54	9.344	192.4	1.844	4550.
#2	185.0	12.04	9.043	191.9	1.957	4577.
#3	170.7	14.72	8.683	192.5	2.060	4615.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.886**	**47.48**	**9.445**	**22.18**	**161.2**	**4492.**
Stddev	.092	.45	.268	.39	16.3	46.
%RSD	2.361	.9489	2.840	1.758	10.12	1.022
#1	3.838	46.96	9.637	21.77	142.4	4443.
#2	3.992	47.74	9.139	22.55	169.6	4498.
#3	3.829	47.73	9.561	22.23	171.7	4535.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4418.**	**15.00**	**4539.**	**39.78**	**9.659**	**19.26**
Stddev	53.	.17	34.	.68	.237	.77
%RSD	1.201	1.156	.7498	1.713	2.458	3.975
#1	4360.	14.83	4505.	39.14	9.656	19.86
#2	4430.	15.17	4537.	40.50	9.422	19.52
#3	4464.	15.00	4573.	39.71	9.897	18.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL Acquired: 8/25/2016 11:00:27 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.74**	**20.13**	**44.92**	**30.87**	**46.08**	**18.39**
Stddev	3.49	.16	1.13	.29	.63	.42
%RSD	19.65	.8155	2.508	.9373	1.373	2.290
#1	14.56	20.05	43.88	30.62	46.74	18.44
#2	17.19	20.32	46.12	30.81	45.48	17.95
#3	21.47	20.02	44.77	31.19	46.01	18.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.43**	**19.43**	**19.54**	F **13.53**
Stddev	.39	.07	.13	3.73
%RSD	.8247	.3761	.6784	27.58
#1	47.78	19.35	19.40	16.27
#2	47.01	19.49	19.55	9.283
#3	47.51	19.45	19.66	15.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4159.4**	**29433.**	**3510.8**
Stddev	8.5	191.	36.9
%RSD	.20435	.64845	1.0499
#1	4166.2	29607.	3545.4
#2	4162.3	29464.	3514.9
#3	4149.9	29229.	3472.0

Sample Name: ICSA 4305572 Acquired: 8/25/2016 11:04:25 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**498000.**	**1.606**	**3.856**	**-1.213**	**-.0171**	**490800.**
Stddev	12070.	1.574	.281	.222	.0370	6195.
%RSD	2.423	98.00	7.286	18.27	216.7	1.262
#1	484100.	3.399	3.683	-1.347	-.0044	483700.
#2	505400.	.9701	3.704	-.9570	-.0588	493600.
#3	504600.	.4500	4.180	-1.334	.0119	495100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6354**	**.9549**	**-.1565**	**-5.356**	**192700.**	**-5.489**
Stddev	.1074	.5086	.5138	.131	2621.	30.41
%RSD	16.91	53.26	328.4	2.452	1.360	554.0
#1	.5429	1.288	-.0935	-5.507	189700.	21.55
#2	.6101	.3695	-.6989	-5.263	194000.	.3985
#3	.7532	1.207	.3229	-5.300	194500.	-38.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**499600.**	**-2.562**	**26.61**	**.6075**	**-7.698**	**-5.977**
Stddev	6762.	.063	10.45	.3185	4.716	1.867
%RSD	1.354	2.464	39.28	52.42	61.25	31.25
#1	491900.	-2.530	15.30	.9745	-11.33	-4.056
#2	502400.	-2.521	35.92	.4036	-2.370	-6.087
#3	504500.	-2.635	28.62	.4444	-9.391	-7.786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4305572 Acquired: 8/25/2016 11:04:25 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.368**	**7.245**	**-.3538**	**-1.909**	**-3.477**	**-.0272**
Stddev	4.437	1.308	.3676	.365	1.020	.2240
%RSD	101.6	18.05	103.9	19.13	29.34	824.0
#1	.5012	6.915	-.0778	-1.980	-2.334	.2110
#2	-5.422	6.135	-.2125	-1.513	-4.295	-.0590
#3	-8.183	8.687	-.7711	-2.233	-3.800	-.2336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4284**	**-.9144**	**1.747**	**41.14**
Stddev	.8917	.0299	.238	2.90
%RSD	208.1	3.271	13.60	7.051
#1	-1.404	-.9466	1.570	41.46
#2	.3448	-.8876	1.654	38.10
#3	-.2261	-.9089	2.017	43.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3787.5**	**27077.**	**3473.8**
Stddev	7.2	201.	66.3
%RSD	.18951	.74394	1.9100
#1	3789.7	27308.	3548.0
#2	3793.3	26986.	3420.3
#3	3779.5	26937.	3452.9

Sample Name: ICSAB 4305680 Acquired: 8/25/2016 11:08:23 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**499700.**	**97.57**	**108.0**	**101.8**	**100.3**	**494300.**
Stddev	4334.	3.10	1.1	.4	1.0	2319.
%RSD	.8674	3.177	1.035	.3792	.9985	.4692
#1	494600.	94.00	106.9	101.9	99.23	491700.
#2	502100.	99.54	108.0	102.0	100.5	495400.
#3	502200.	99.19	109.2	101.3	101.2	495900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**95.93**	**97.55**	**100.4**	**101.2**	**194100.**	**9838.**
Stddev	.25	.45	.8	1.5	1017.	109.
%RSD	.2640	.4585	.8349	1.505	.5241	1.112
#1	96.22	97.76	99.68	99.48	192900.	9724.
#2	95.84	97.04	101.3	101.9	194400.	9943.
#3	95.73	97.86	100.1	102.3	194900.	9847.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**503000.**	**101.2**	**9850.**	**96.31**	**92.82**	**91.28**
Stddev	2520.	1.0	121.	.70	2.68	1.23
%RSD	.5011	1.023	1.231	.7265	2.888	1.347
#1	500100.	100.1	9711.	96.57	90.22	92.47
#2	503900.	101.5	9928.	96.84	95.57	91.35
#3	504900.	102.1	9912.	95.52	92.68	90.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 4305680 Acquired: 8/25/2016 11:08:23 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**88.67**	**105.3**	**99.22**	**97.34**	**95.93**	**95.16**
Stddev	8.95	5.7	2.16	.58	1.23	.59
%RSD	10.09	5.383	2.178	.5923	1.283	.6219
#1	82.52	98.77	96.91	96.75	97.05	94.49
#2	84.56	107.9	99.55	97.37	96.14	95.37
#3	98.94	109.1	101.2	97.90	94.61	95.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**96.66**	**100.5**	**106.3**	**89.15**
Stddev	1.88	1.0	1.6	15.98
%RSD	1.948	1.041	1.507	17.92
#1	95.43	99.35	104.4	107.6
#2	95.71	101.0	107.2	79.59
#3	98.82	101.3	107.2	80.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3793.0**	**26777.**	**3383.0**
Stddev	7.7	94.	13.0
%RSD	.20267	.35267	.38395
#1	3788.7	26868.	3396.3
#2	3801.9	26785.	3370.4
#3	3788.5	26679.	3382.3

Sample Name: INT-10A 4360515 Acquired: 8/25/2016 11:12:12 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32.94**	**-.5686**	**6.449**	**1.031**	**1.993**	**2.228**
Stddev	7.71	.6542	.129	.281	.121	6.973
%RSD	23.41	115.0	1.993	27.24	6.075	312.9
#1	31.40	-.9059	6.349	1.234	1.906	-3.898
#2	41.30	-.9853	6.594	.7103	2.131	.7656
#3	26.12	.1854	6.404	1.148	1.941	9.817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.029**	**10960.**	**.0595**	**-3.972**	**-28.06**	**16.29**
Stddev	.053	30.	.3190	.271	14.81	17.09
%RSD	5.198	.2779	536.5	6.820	52.77	104.9
#1	-.9876	10930.	.1386	-4.285	-44.93	25.21
#2	-1.010	10970.	-.2916	-3.816	-17.19	27.07
#3	-1.089	10990.	.3314	-3.816	-22.07	-3.407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3867**	**.0256**	**52.16**	**.8915**	**.7784**	**-.4522**
Stddev	6.302	.0378	6.34	.2123	.5957	1.595
%RSD	1629.	147.7	12.15	23.82	76.54	352.6
#1	-7.525	-.0164	56.66	.7083	.1461	-2.016
#2	4.403	.0364	54.90	.8420	1.329	1.172
#3	1.962	.0568	44.91	1.124	.8597	-.5129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10A 4360515 Acquired: 8/25/2016 11:12:12 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.263**	**-29.39**	**5305.**	**1.625**	**-.3515**	**-1.825**
Stddev	1.674	.97	20.	.127	.2084	.027
%RSD	51.28	3.299	.3825	7.811	59.27	1.479
#1	5.195	-29.51	5281.	1.611	-.4849	-1.807
#2	2.252	-28.36	5316.	1.759	-.1114	-1.856
#3	2.342	-30.29	5317.	1.506	-.4583	-1.811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10910.**	**10650.**	**-.3460**	**9862.**
Stddev	25.	46.	.0318	46.
%RSD	.2336	.4346	9.198	.4653
#1	10880.	10700.	-.3450	9814.
#2	10930.	10640.	-.3147	9865.
#3	10920.	10610.	-.3783	9906.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4187.1**	**29563.**	**3552.9**
Stddev	12.3	139.	14.4
%RSD	.29278	.46941	.40545
#1	4175.8	29604.	3566.9
#2	4185.4	29408.	3553.8
#3	4200.1	29676.	3538.1

Sample Name: INT-10B 4360523 Acquired: 8/25/2016 11:16:18 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-54.68**	**-23.84**	**-.5348**	**1.538**	**-.4642**	**26.48**
Stddev	11.28	1.56	.5235	.147	.1834	5.94
%RSD	20.62	6.553	97.89	9.531	39.51	22.43
#1	-66.57	-22.10	-1.112	1.622	-.2530	33.24
#2	-44.14	-25.12	-.4029	1.369	-.5563	24.10
#3	-53.34	-24.30	-.0898	1.624	-.5833	22.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7046**	**6.368**	**10370.**	**9626.**	**-17.22**	**5.225**
Stddev	.2052	.132	64.	61.	13.75	17.58
%RSD	29.12	2.067	.6155	.6349	79.84	336.4
#1	.5547	6.515	10370.	9562.	-24.29	-15.07
#2	.9385	6.259	10440.	9635.	-26.01	14.91
#3	.6208	6.332	10310.	9683.	-1.375	15.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-14.26**	**10330.**	**20.63**	**10800.**	**-9.209**	**-12.70**
Stddev	7.35	72.	15.70	27.	1.008	1.48
%RSD	51.56	.6943	76.10	.2538	10.94	11.63
#1	-6.144	10390.	34.52	10770.	-8.615	-14.23
#2	-20.47	10340.	3.597	10820.	-10.37	-11.28
#3	-16.15	10250.	23.78	10810.	-8.640	-12.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10B 4360523 Acquired: 8/25/2016 11:16:18 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.742**	**8.950**	**-29.54**	**2.495**	**-30.54**	**4903.**
Stddev	1.759	1.052	1.07	.303	.29	28.
%RSD	20.13	11.75	3.621	12.14	.9521	.5781
#1	-7.323	8.837	-30.00	2.800	-30.22	4873.
#2	-8.193	10.05	-30.30	2.490	-30.79	4904.
#3	-10.71	7.959	-28.32	2.195	-30.62	4930.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-37.38**	**.3766**	**10100.**	**3.652**
Stddev	.63	.0361	31.	14.43
%RSD	1.690	9.597	.3024	395.3
#1	-36.65	.4109	10060.	17.61
#2	-37.82	.3389	10120.	4.568
#3	-37.66	.3801	10110.	-11.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.0**	**29729.**	**3568.9**
Stddev	14.0	220.	33.6
%RSD	.34281	.73851	.94266
#1	4104.4	29711.	3552.2
#2	4080.8	29519.	3546.9
#3	4105.8	29957.	3607.6

Sample Name: pds 460-118904-b-1-d Acquired: 8/25/2016 11:20:19 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1936.**	**1969.**	**47.88**	**2031.**	**50.72**	**44850.**
Stddev	1.	9.	.45	4.	.32	240.
%RSD	.0433	.4440	.9411	.1793	.6389	.5344
#1	1936.	1978.	47.41	2030.	50.41	44660.
#2	1937.	1961.	47.91	2035.	51.05	44780.
#3	1936.	1968.	48.31	2028.	50.70	45120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**74.76**	**500.2**	**205.0**	**832.5**	**1020.**	**19230.**
Stddev	.15	.2	1.7	.8	14.	177.
%RSD	.1989	.0376	.8277	.0973	1.420	.9183
#1	74.62	500.1	203.1	833.0	1010.	19020.
#2	74.76	500.1	205.8	832.9	1013.	19310.
#3	74.91	500.4	206.2	831.6	1036.	19340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19660.**	**588.2**	**48190.**	**917.1**	**558.2**	**458.4**
Stddev	119.	2.4	70.	2.7	1.5	1.2
%RSD	.6051	.4095	.1462	.2981	.2695	.2712
#1	19550.	586.0	48120.	915.4	559.6	458.8
#2	19650.	587.7	48260.	915.8	556.6	457.0
#3	19780.	590.8	48210.	920.3	558.3	459.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118904-b-1-d Acquired: 8/25/2016 11:20:19 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1954.**	**2031.**	**494.1**	**2775.**	**495.7**	**485.7**
Stddev	7.	10.	6.3	7.	3.1	2.3
%RSD	.3630	.5109	1.270	.2421	.6179	.4735
#1	1948.	2022.	487.0	2774.	493.0	485.6
#2	1952.	2029.	496.1	2770.	495.2	483.5
#3	1962.	2042.	499.1	2783.	499.1	488.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**518.3**	**618.0**	**501.3**	**468.5**
Stddev	5.5	.8	.6	2.9
%RSD	1.059	.1348	.1168	.6165
#1	515.0	617.1	501.7	470.2
#2	515.1	618.5	500.6	470.2
#3	524.6	618.5	501.6	465.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4092.0**	**28945.**	**3544.8**
Stddev	3.7	129.	24.8
%RSD	.09128	.44482	.70068
#1	4090.7	29051.	3565.1
#2	4096.2	28983.	3552.1
#3	4089.0	28802.	3517.1

Sample Name: 460-118904-b-1-f ms Acquired: 8/25/2016 11:24:00 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**95.69**	**105.3**	**9.638**	**216.6**	**21.28**	**25970.**
Stddev	13.00	1.5	.472	.3	.07	127.
%RSD	13.58	1.420	4.900	.1213	.3054	.4901
#1	92.56	106.6	9.987	216.7	21.35	26000.
#2	110.0	103.7	9.101	216.3	21.29	25830.
#3	84.54	105.6	9.826	216.8	21.22	26080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47.01**	**23.84**	**105.1**	**634.8**	**24.88**	**488.6**
Stddev	.10	.04	.6	4.7	16.63	15.5
%RSD	.2114	.1826	.5895	.7387	66.84	3.167
#1	47.07	23.89	104.7	629.8	16.12	480.2
#2	46.89	23.83	104.7	639.1	14.47	506.5
#3	47.05	23.80	105.8	635.5	44.06	479.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**960.6**	**98.83**	**29110.**	**444.2**	**156.4**	**18.07**
Stddev	4.0	.45	42.	2.9	1.6	.27
%RSD	.4114	.4538	.1444	.6541	1.030	1.491
#1	957.0	98.32	29090.	441.4	156.0	18.08
#2	960.0	99.02	29090.	443.9	154.9	17.79
#3	964.8	99.15	29160.	447.2	158.1	18.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118904-b-1-f ms Acquired: 8/25/2016 11:24:00 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.43**	**21.07**	**9.608**	**2343.**	**30.48**	**20.71**
Stddev	1.88	2.09	.529	.	.09	.72
%RSD	7.674	9.896	5.510	.0135	.3020	3.485
#1	23.62	18.71	9.183	2343.	30.57	21.41
#2	23.09	22.65	9.439	2343.	30.39	19.97
#3	26.57	21.86	10.20	2343.	30.49	20.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**21.48**	**141.4**	**22.15**	**431.1**
Stddev	.29	1.1	.23	6.4
%RSD	1.369	.7781	1.016	1.486
#1	21.23	140.2	21.90	437.9
#2	21.41	141.6	22.34	430.1
#3	21.80	142.3	22.20	425.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4143.6**	**29568.**	**3598.7**
Stddev	5.5	166.	14.9
%RSD	.13373	.56050	.41516
#1	4139.8	29493.	3581.5
#2	4150.0	29758.	3607.7
#3	4141.0	29453.	3606.9

Sample Name: 460-118904-b-1-e du Acquired: 8/25/2016 11:27:55 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.746**	**1.460**	**.4502**	**3.928**	**.0538**	**25380.**
Stddev	8.016	1.359	.1902	.142	.0656	75.
%RSD	118.8	93.09	42.24	3.625	122.0	.2975
#1	7.109	-.0921	.2313	3.818	.0903	25460.
#2	14.57	2.438	.5744	3.878	-.0220	25310.
#3	-1.445	2.035	.5449	4.089	.0930	25360.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.02**	**1.634**	**-.2374**	**618.7**	**4.429**	**44.35**
Stddev	.28	.087	.4297	4.9	3.468	15.55
%RSD	1.137	5.325	181.0	.7842	78.31	35.06
#1	25.16	1.689	.1869	614.3	7.989	38.97
#2	24.69	1.679	-.6723	617.8	4.238	32.20
#3	25.20	1.534	-.2268	623.9	1.060	61.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**565.0**	**75.78**	**28660.**	**420.0**	**51.96**	**.5836**
Stddev	13.0	.47	230.	1.7	1.40	1.477
%RSD	2.293	.6180	.8030	.4107	2.689	253.1
#1	566.3	75.34	28450.	420.0	51.90	.7423
#2	551.5	75.72	28630.	418.3	53.39	-.9667
#3	577.3	76.27	28900.	421.8	50.59	1.975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118904-b-1-e du Acquired: 8/25/2016 11:27:55 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9492**	**1.090**	**.0921**	**2297.**	**10.06**	**.3082**
Stddev	2.204	1.879	.7514	1.	.25	.3012
%RSD	232.2	172.4	816.2	.0570	2.479	97.73
#1	2.360	.4997	-.4708	2299.	10.11	.6238
#2	2.078	3.193	.9453	2296.	9.783	.0238
#3	-1.590	-.4234	-.1984	2297.	10.27	.2770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5519**	**119.6**	**.9699**	**424.4**
Stddev	.5260	2.6	.0563	21.6
%RSD	95.30	2.158	5.800	5.088
#1	-.7747	116.9	.9962	409.4
#2	.0488	119.9	1.008	414.7
#3	-.9299	122.0	.9053	449.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4141.5**	**29470.**	**3603.2**
Stddev	5.1	93.	14.7
%RSD	.12273	.31522	.40683
#1	4136.1	29368.	3597.9
#2	4146.1	29551.	3619.8
#3	4142.4	29492.	3592.0

Sample Name: 460-118904-b-1-d Acquired: 8/25/2016 11:31:50 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.361**	**.7550**	**-.0144**	**3.844**	**-.0650**	**25490.**
Stddev	7.363	.7448	.2988	.119	.0731	45.
%RSD	137.4	98.64	2074.	3.093	112.5	.1749
#1	.2118	.9925	.3117	3.916	-.0627	25440.
#2	-2.585	-.0795	-.0798	3.910	-.1392	25530.
#3	-13.71	1.352	-.2752	3.707	.0070	25490.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.03**	**1.526**	**-1.401**	**616.1**	**-8.758**	**75.88**
Stddev	.12	.052	.343	4.9	21.56	30.30
%RSD	.4822	3.416	24.49	.7995	246.1	39.93
#1	25.03	1.576	-1.756	610.4	-28.62	100.6
#2	24.92	1.472	-1.070	618.7	14.17	85.01
#3	25.16	1.529	-1.378	619.2	-11.83	42.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**568.3**	**76.19**	**28720.**	**418.7**	**50.00**	**1.219**
Stddev	.7	.42	49.	.4	.58	1.395
%RSD	.1240	.5563	.1702	.0992	1.155	114.4
#1	567.6	75.70	28770.	419.2	49.68	.8815
#2	569.0	76.43	28700.	418.3	50.67	.0244
#3	568.3	76.44	28670.	418.7	49.66	2.753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118904-b-1-d Acquired: 8/25/2016 11:31:50 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.194**	**.1533**	**.3369**	**2303.**	**9.456**	**.3049**
Stddev	1.261	1.826	.1414	10.	.128	.1031
%RSD	39.49	1191.	41.96	.4192	1.348	33.80
#1	4.211	2.150	.1804	2314.	9.603	.4148
#2	1.783	-1.433	.3749	2299.	9.387	.2898
#3	3.589	-.2569	.4553	2295.	9.378	.2103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0491**	**120.0**	**.8402**	**414.5**
Stddev	.3662	.5	.1748	19.0
%RSD	746.1	.4302	20.80	4.579
#1	.0570	119.6	1.010	416.1
#2	.4113	119.9	.8507	394.7
#3	-.3210	120.6	.6604	432.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4150.0**	**29440.**	**3571.3**
Stddev	5.1	9.	20.7
%RSD	.12334	.03163	.57970
#1	4144.2	29438.	3562.6
#2	4153.8	29450.	3556.4
#3	4151.9	29432.	3594.9

Sample Name: sd 460-118904-b-1-d Acquired: 8/25/2016 11:35:46 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.980**	**-.1539**	**-.1350**	**.6228**	**.0471**	**5110.**
Stddev	9.612	1.292	.5449	.2801	.1477	21.
%RSD	160.7	839.5	403.5	44.98	313.6	.4089
#1	.3457	1.039	-.3605	.5165	-.0123	5086.
#2	-17.04	.0267	.4864	.4114	-.0616	5125.
#3	-1.245	-1.527	-.5310	.9405	.2153	5119.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.950**	**.2096**	**-.4578**	**120.5**	**-10.34**	**.7434**
Stddev	.154	.1317	.5217	1.3	8.38	24.85
%RSD	3.111	62.83	114.0	1.056	81.06	3343.
#1	5.114	.3615	-.1465	119.3	-6.490	-27.06
#2	4.925	.1274	-1.060	120.4	-4.579	8.500
#3	4.809	.1398	-.1668	121.8	-19.96	20.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**112.5**	**15.20**	**5746.**	**83.64**	**9.519**	**.3538**
Stddev	1.9	.18	56.	.51	1.671	1.472
%RSD	1.667	1.203	.9671	.6129	17.56	416.1
#1	111.4	14.99	5688.	83.08	11.41	.5713
#2	114.7	15.30	5751.	84.08	8.918	-1.215
#3	111.6	15.32	5798.	83.75	8.231	1.705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118904-b-1-d Acquired: 8/25/2016 11:35:46 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.664**	**.9573**	**-.4920**	**466.2**	**2.137**	**.0499**
Stddev	2.379	1.447	.5121	4.1	.020	.1541
%RSD	89.29	151.2	104.1	.8727	.9398	308.9
#1	-5.312	-.2969	-.6428	462.2	2.154	.0796
#2	-.7089	.6278	-.9118	466.0	2.115	-.1169
#3	-1.971	2.541	.0785	470.3	2.141	.1869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3684**	**23.74**	**.3167**	**87.62**
Stddev	.4888	.16	.0511	9.52
%RSD	132.7	.6671	16.13	10.87
#1	.9128	23.56	.3196	80.74
#2	-.0328	23.86	.2643	83.63
#3	.2254	23.79	.3663	98.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4171.9**	**29407.**	**3570.2**
Stddev	21.2	186.	47.2
%RSD	.50851	.63278	1.3223
#1	4191.9	29613.	3614.9
#2	4174.1	29252.	3574.8
#3	4149.6	29356.	3520.9

Sample Name: mb 460-386232/1-a Acquired: 8/25/2016 11:39:44 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.794**	**-1.789**	**.1528**	**.0960**	**.0126**	**-11.70**
Stddev	9.591	.874	.5070	.0084	.0345	10.06
%RSD	534.7	48.89	331.7	8.781	273.5	85.99
#1	3.875	-1.233	.6388	.1044	.0523	-.2719
#2	-12.87	-1.336	.1927	.0960	-.0054	-19.22
#3	3.611	-2.796	-.3729	.0875	-.0091	-15.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0076**	**.0540**	**.1492**	**.0750**	**1.855**	**-19.93**
Stddev	.0800	.1274	.2807	.2833	13.26	14.68
%RSD	1048.	235.8	188.1	377.6	714.7	73.65
#1	.0169	.1803	.0896	-.0828	-4.990	-11.07
#2	-.0970	-.0745	.4550	-.0942	17.14	-36.87
#3	.0572	.0562	-.0969	.4020	-6.583	-11.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.001**	**.0702**	**1.123**	**.6994**	**-.8880**	**-1.454**
Stddev	3.752	.0446	7.985	.1732	.7591	.845
%RSD	125.0	63.48	710.7	24.76	85.49	58.10
#1	1.195	.0642	8.269	.5106	-.5349	-2.114
#2	-4.163	.0289	2.596	.8508	-1.759	-1.748
#3	-6.034	.1175	-7.495	.7369	-.3697	-.5019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386232/1-a Acquired: 8/25/2016 11:39:44 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.936**	**.1340**	**.1605**	**-.0278**	**-.3326**	**-.0669**
Stddev	4.323	1.687	.7938	.1282	.2924	.3456
%RSD	147.2	1259.	494.6	460.6	87.90	516.9
#1	7.636	-1.369	-.7400	.0394	-.3783	-.3340
#2	2.041	-.1882	.4624	-.1757	-.5994	-.1900
#3	-.8694	1.959	.7591	.0527	-.0201	.3234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5337**	**-.0230**	**-.0553**	**-8.644**
Stddev	1.067	.0652	.0781	18.14
%RSD	200.0	283.2	141.4	209.9
#1	.5395	-.0303	-.0526	-8.883
#2	1.598	.0455	.0215	-26.67
#3	-.5365	-.0843	-.1347	9.616
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4157.3**	**29472.**	**3570.1**
Stddev	11.5	161.	9.8
%RSD	.27613	.54562	.27522
#1	4170.6	29373.	3564.4
#2	4151.0	29386.	3564.5
#3	4150.4	29658.	3581.5

Sample Name: CCV Acquired: 8/25/2016 11:43:46 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122900.**	**2466.**	**1227.**	**10030.**	**1004.**	**123700.**
Stddev	463.	7.	8.	14.	4.	1259.
%RSD	.3770	.2694	.6601	.1436	.3577	1.018
#1	122400.	2459.	1218.	10010.	1000.	122200.
#2	123100.	2472.	1232.	10040.	1007.	124600.
#3	123200.	2466.	1232.	10030.	1006.	124200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1248.**	**2476.**	**5018.**	**12320.**	**99900.**	**49160.**
Stddev	4.	6.	38.	31.	864.	241.
%RSD	.3463	.2489	.7587	.2496	.8644	.4911
#1	1243.	2469.	4975.	12290.	98930.	48880.
#2	1252.	2481.	5044.	12330.	100600.	49300.
#3	1249.	2479.	5036.	12340.	100200.	49300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123700.**	**5066.**	**124500.**	**2499.**	**7491.**	**984.3**
Stddev	1085.	37.	224.	4.	13.	1.5
%RSD	.8773	.7349	.1800	.1786	.1761	.1557
#1	122500.	5023.	124300.	2494.	7476.	982.7
#2	124600.	5093.	124600.	2503.	7499.	984.6
#3	124000.	5081.	124700.	2500.	7498.	985.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 11:43:46 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2455.**	**2514.**	**2462.**	**2499.**	**991.7**	**2449.**
Stddev	12.	9.	13.	16.	6.0	3.
%RSD	.4944	.3746	.5244	.6546	.6048	.1365
#1	2450.	2505.	2447.	2481.	985.2	2446.
#2	2469.	2512.	2467.	2513.	992.8	2453.
#3	2446.	2524.	2471.	2504.	997.0	2448.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**990.4**	**5027.**	**10100.**	**9791.**
Stddev	1.0	11.	47.	42.
%RSD	.1009	.2279	.4610	.4293
#1	989.9	5015.	10050.	9838.
#2	989.7	5027.	10130.	9775.
#3	991.5	5038.	10120.	9759.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3910.6**	**27902.**	**3490.7**
Stddev	6.2	174.	26.6
%RSD	.15832	.62239	.76284
#1	3911.9	28054.	3521.0
#2	3903.9	27712.	3479.7
#3	3916.0	27939.	3471.2

Sample Name: CCB Acquired: 8/25/2016 11:47:21 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-12.22**	**-.7484**	**.2662**	**.0563**	**.0138**	**-7.490**
Stddev	4.21	.7385	.1968	.1172	.1644	2.715
%RSD	34.42	98.68	73.94	208.4	1191.	36.25
#1	-7.866	-1.309	.1934	.0207	.1971	-7.101
#2	-12.53	.0884	.4890	.1872	-.1206	-10.38
#3	-16.26	-1.025	.1162	-.0391	-.0350	-4.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1999**	**-.1125**	**-.3233**	**.6012**	**-3.216**	**30.46**
Stddev	.1154	.1365	.4084	.2334	11.70	48.80
%RSD	57.75	121.4	126.3	38.82	363.9	160.2
#1	.2934	-.1131	.1480	.3782	10.28	76.02
#2	.0709	-.2487	-.5457	.5817	-10.61	-21.04
#3	.2354	.0243	-.5722	.8438	-9.317	36.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7372**	**.0921**	**29.06**	**.4383**	**-.9504**	**-.7338**
Stddev	2.500	.0809	14.99	.3324	.4385	1.605
%RSD	339.1	87.80	51.60	75.82	46.14	218.8
#1	.0198	.1587	41.86	.0973	-.7589	-1.938
#2	1.296	.0021	32.76	.7613	-1.452	1.089
#3	-3.528	.1156	12.56	.4565	-.6403	-1.353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 11:47:21 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.008**	**2.394**	**-.2409**	**.1820**	**1.761**	**.9264**
Stddev	.877	1.334	.1771	.1712	.390	.4280
%RSD	87.05	55.72	73.50	94.05	22.16	46.20
#1	-.4443	3.934	-.0721	.0006	2.146	1.416
#2	-2.019	1.678	-.4253	.2048	1.771	.7393
#3	-.5606	1.571	-.2254	.3407	1.366	.6238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0234**	**.0624**	**.3760**	**14.09**
Stddev	.8067	.0365	.1871	11.87
%RSD	3451.	58.59	49.76	84.25
#1	-.2952	.0365	.5506	5.780
#2	.8841	.0464	.3986	8.802
#3	-.6590	.1042	.1786	27.68
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4173.7**	**29740.**	**3594.4**
Stddev	10.8	68.	15.1
%RSD	.25805	.22738	.42066
#1	4182.0	29805.	3598.8
#2	4177.5	29670.	3577.6
#3	4161.5	29746.	3606.8

Sample Name: CCVL Acquired: 8/25/2016 11:51:23 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**171.8**	**13.38**	**8.628**	**192.5**	**1.969**	**4582.**
Stddev	5.2	.16	.434	.6	.095	6.
%RSD	3.044	1.206	5.035	.3104	4.822	.1245
#1	170.0	13.42	8.233	192.2	2.055	4583.
#2	177.6	13.52	9.093	192.2	1.867	4586.
#3	167.7	13.20	8.558	193.2	1.985	4575.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.842**	**47.81**	**9.415**	**22.73**	**152.2**	**4496.**
Stddev	.115	.53	.201	.57	6.0	99.
%RSD	2.990	1.103	2.129	2.492	3.975	2.195
#1	3.739	47.36	9.187	22.46	150.8	4436.
#2	3.966	47.68	9.492	22.34	158.8	4443.
#3	3.822	48.39	9.566	23.38	146.9	4610.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4470.**	**15.03**	**4536.**	**39.80**	**9.957**	**18.66**
Stddev	68.	.29	73.	.22	.650	1.48
%RSD	1.514	1.949	1.616	.5537	6.528	7.944
#1	4405.	14.93	4473.	39.82	10.70	18.32
#2	4464.	14.80	4520.	40.00	9.468	20.28
#3	4540.	15.36	4616.	39.57	9.709	17.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 11:51:23 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.51**	**20.89**	**45.81**	**31.04**	**45.46**	**17.95**
Stddev	.95	1.19	.88	.27	.70	.21
%RSD	4.882	5.715	1.910	.8615	1.549	1.185
#1	18.51	22.23	45.15	30.90	44.86	17.77
#2	19.64	20.52	45.48	30.86	45.27	17.89
#3	20.40	19.93	46.81	31.34	46.23	18.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.31**	**19.31**	**19.72**	F **13.45**
Stddev	1.18	.33	.61	11.26
%RSD	2.442	1.718	3.074	83.74
#1	47.38	19.01	19.08	14.07
#2	47.92	19.26	19.79	24.39
#3	49.64	19.66	20.28	1.889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4156.9**	**29511.**	**3571.1**
Stddev	11.8	124.	26.5
%RSD	.28381	.41937	.74279
#1	4144.6	29376.	3542.5
#2	4157.8	29538.	3594.9
#3	4168.2	29619.	3576.0

Sample Name: mb 460-386482/1-a@2 Acquired: 8/25/2016 11:55:43 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.600**	**-1.971**	**-.1452**	**.2228**	**-.0156**	**-5.600**
Stddev	3.073	1.653	.3591	.2851	.0745	12.09
%RSD	85.35	83.86	247.4	128.0	477.4	215.8
#1	-6.827	-2.904	-.5030	.0710	-.0585	6.920
#2	-.7092	-2.946	.2152	.0457	-.0587	-6.516
#3	-3.264	-.0626	-.1477	.5517	.0704	-17.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0632**	**-.0139**	**-.5344**	**.1031**	**-4.735**	**13.33**
Stddev	.0642	.1460	.7863	.2606	6.513	10.42
%RSD	101.6	1049.	147.1	252.8	137.6	78.23
#1	.0880	-.1133	-1.410	-.0978	1.142	20.21
#2	-.0097	-.0821	.1123	.0095	-11.74	18.43
#3	.1114	.1537	-.3058	.3976	-3.610	1.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1400**	**.0309**	**10.08**	**.3597**	**-.4454**	**-.3094**
Stddev	8.490	.0872	9.62	.2801	1.166	1.031
%RSD	6066.	282.4	95.52	77.85	261.9	333.1
#1	2.121	-.0665	11.21	.1125	.4943	-.4979
#2	7.465	.1019	19.08	.6639	-1.751	-1.233
#3	-9.165	.0572	-.0653	.3028	-.0796	.8024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386482/1-a@2 Acquired: 8/25/2016 11:55:43 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.118**	**1.484**	**.2039**	**.1944**	**-.1389**	**.0287**
Stddev	2.586	.879	.8317	.1873	.1406	.5010
%RSD	231.3	59.19	407.9	96.31	101.3	1747.
#1	1.798	.7809	1.164	.3377	-.2660	.4044
#2	-2.018	1.203	-.2574	-.0175	-.1630	-.5401
#3	-3.134	2.469	-.2949	.2630	.0122	.2217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2290**	**-.0061**	**.0253**	**6.640**
Stddev	.3872	.0852	.1121	16.62
%RSD	169.1	1388.	442.2	250.2
#1	.0221	-.0105	-.0158	-11.58
#2	-.0109	.0811	-.0603	10.56
#3	.6757	-.0891	.1522	20.95
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4166.5**	**29708.**	**3616.3**
Stddev	6.9	240.	52.9
%RSD	.16495	.80921	1.4618
#1	4174.1	29431.	3555.9
#2	4160.7	29865.	3654.0
#3	4164.8	29829.	3639.0

Sample Name: lcssrm 460-386482/2- Acquired: 8/25/2016 11:59:43 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41180.**	**280.0**	**267.3**	**588.8**	**366.8**	**32150.**
Stddev	235.	2.5	.4	2.0	1.7	159.
%RSD	.5711	.9082	.1479	.3441	.4742	.4948
#1	40940.	281.9	267.7	586.6	365.4	32030.
#2	41180.	281.0	267.1	589.1	366.2	32100.
#3	41410.	277.2	267.0	590.7	368.7	32330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**398.0**	**308.9**	**345.7**	**279.7**	**78340.**	**11830.**
Stddev	.6	1.3	1.6	.9	206.	81.
%RSD	.1489	.4099	.4573	.3379	.2628	.6864
#1	397.7	307.5	344.9	279.7	78120.	11750.
#2	398.7	309.6	344.7	280.7	78380.	11820.
#3	397.5	309.7	347.5	278.8	78520.	11910.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13110.**	**1434.**	**4390.**	**330.0**	**456.5**	**342.9**
Stddev	53.	3.	21.	.6	1.0	3.5
%RSD	.4031	.1764	.4685	.1925	.2172	1.012
#1	13060.	1432.	4378.	329.8	456.7	343.4
#2	13110.	1433.	4379.	330.7	455.5	346.2
#3	13170.	1437.	4414.	329.5	457.4	339.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-386482/2- Acquired: 8/25/2016 11:59:43 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**384.0**	**946.8**	**292.4**	**1030.**	**423.2**	**291.7**
Stddev	6.3	2.6	.9	4.	.5	1.0
%RSD	1.634	.2742	.3080	.3559	.1247	.3277
#1	389.5	949.6	292.2	1027.	422.6	290.5
#2	385.5	946.3	291.7	1034.	423.3	292.2
#3	377.2	944.4	293.4	1028.	423.6	292.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**821.7**	**462.2**	**2013.**	**2863.**
Stddev	.6	2.3	3.	27.
%RSD	.0699	.5029	.1449	.9492
#1	821.0	460.5	2010.	2852.
#2	822.1	461.4	2015.	2844.
#3	821.8	464.9	2014.	2894.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4198.5**	**29760.**	**3660.7**
Stddev	25.4	218.	30.1
%RSD	.60494	.73210	.82144
#1	4174.0	29510.	3637.1
#2	4196.8	29910.	3650.3
#3	4224.7	29859.	3694.5

Sample Name: pds 460-118893-b-10- Acquired: 8/25/2016 12:03:25 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25040.**	**1895.**	**47.50**	**2202.**	**51.04**	**23330.**
Stddev	75.	8.	.38	6.	.23	124.
%RSD	.2979	.4196	.7927	.2672	.4450	.5300
#1	25120.	1901.	47.49	2198.	51.20	23240.
#2	25040.	1886.	47.13	2200.	51.13	23470.
#3	24970.	1897.	47.88	2209.	50.78	23280.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.30**	**508.3**	**242.3**	**331.3**	**45430.**	**20660.**
Stddev	.32	1.2	1.3	.2	135.	79.
%RSD	.6625	.2311	.5355	.0709	.2974	.3801
#1	48.19	507.1	240.9	331.4	45320.	20700.
#2	48.05	508.2	243.3	331.1	45580.	20570.
#3	48.66	509.5	242.7	331.5	45380.	20720.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23880.**	**1706.**	**19920.**	**531.6**	**603.6**	**450.3**
Stddev	71.	5.	47.	2.7	1.5	2.8
%RSD	.2992	.2829	.2356	.5127	.2509	.6204
#1	23860.	1704.	19980.	529.7	604.7	447.2
#2	23950.	1712.	19900.	530.4	601.9	451.0
#3	23810.	1704.	19890.	534.8	604.3	452.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118893-b-10- Acquired: 8/25/2016 12:03:25 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1836.**	**1967.**	**536.9**	**618.6**	**483.0**	**472.9**
Stddev	6.	2.	1.9	2.2	1.7	2.2
%RSD	.3006	.0841	.3623	.3604	.3519	.4695
#1	1842.	1968.	534.7	617.3	483.5	470.7
#2	1831.	1965.	538.3	621.2	481.1	472.8
#3	1836.	1967.	537.7	617.3	484.4	475.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**514.0**	**529.5**	**1319.**	**1683.**
Stddev	.9	2.0	1.	25.
%RSD	.1732	.3850	.0516	1.468
#1	513.1	531.6	1319.	1685.
#2	514.8	527.6	1318.	1657.
#3	514.1	529.2	1319.	1706.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4158.7**	**29595.**	**3626.8**
Stddev	16.1	252.	31.1
%RSD	.38813	.85045	.85664
#1	4140.1	29539.	3618.5
#2	4169.0	29376.	3600.8
#3	4166.9	29870.	3661.2

Sample Name: 460-118893-b-10-e ms Acquired: 8/25/2016 12:07:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32030.**	**954.3**	**24.91**	**1235.**	**26.39**	**14540.**
Stddev	225.	6.7	.56	2.	.42	24.
%RSD	.7020	.6972	2.266	.1883	1.601	.1665
#1	31770.	958.3	24.26	1237.	25.90	14520.
#2	32170.	958.0	25.18	1235.	26.68	14530.
#3	32140.	946.7	25.30	1232.	26.59	14560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.26**	**270.3**	**145.0**	**216.3**	**47340.**	**12410.**
Stddev	.03	1.2	1.8	1.9	28.	165.
%RSD	.1070	.4510	1.273	.8954	.0587	1.326
#1	24.28	269.5	143.0	214.1	47350.	12220.
#2	24.23	269.6	145.3	216.9	47360.	12540.
#3	24.27	271.7	146.6	217.9	47310.	12450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16160.**	**1377.**	**10690.**	**289.4**	**356.3**	**178.8**
Stddev	175.	2.	64.	.5	3.8	.5
%RSD	1.081	.1683	.6002	.1625	1.066	.2862
#1	16180.	1374.	10620.	288.8	357.9	178.2
#2	16320.	1379.	10740.	289.5	351.9	179.0
#3	15970.	1378.	10720.	289.7	359.0	179.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118893-b-10-e ms Acquired: 8/25/2016 12:07:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**919.2**	**986.0**	**305.8**	**369.1**	**252.9**	**235.5**
Stddev	2.0	7.5	1.7	2.3	.6	.5
%RSD	.2218	.7571	.5423	.6267	.2199	.2003
#1	920.7	978.9	303.9	368.4	253.5	235.0
#2	916.9	985.5	306.6	367.1	253.0	235.8
#3	920.0	993.8	306.8	371.6	252.4	235.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**255.3**	**288.6**	**1176.**	**2485.**
Stddev	1.1	1.8	2.	19.
%RSD	.4317	.6264	.1983	.7477
#1	254.6	286.6	1173.	2486.
#2	254.7	290.2	1177.	2504.
#3	256.6	288.9	1177.	2466.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4171.9**	**29929.**	**3685.6**
Stddev	14.1	32.	12.9
%RSD	.33912	.10563	.34977
#1	4156.3	29899.	3685.5
#2	4175.4	29962.	3672.8
#3	4183.9	29926.	3698.6

Sample Name: 460-118893-b-10-d du Acquired: 8/25/2016 12:10:52 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23530.**	**7.167**	**.7060**	**226.2**	**1.231**	**6144.**
Stddev	206.	1.693	.5085	.8	.105	38.
%RSD	.8748	23.62	72.02	.3588	8.529	.6182
#1	23760.	5.341	1.194	225.3	1.112	6102.
#2	23410.	7.478	.1790	226.3	1.270	6177.
#3	23400.	8.683	.7455	226.9	1.310	6152.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5346**	**20.22**	**41.34**	**100.7**	**47190.**	**2301.**
Stddev	.1639	.31	.43	.7	158.	26.
%RSD	30.65	1.555	1.051	.7352	.3356	1.110
#1	-.3460	19.91	40.95	101.2	47170.	2331.
#2	-.6152	20.21	41.27	99.89	47350.	2287.
#3	-.6425	20.54	41.81	101.2	47040.	2286.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6027.**	**1053.**	**1403.**	**35.28**	**129.9**	**1.450**
Stddev	39.	4.	16.	.47	.7	1.166
%RSD	.6416	.3878	1.129	1.339	.5375	80.42
#1	6000.	1052.	1416.	35.53	129.5	.4676
#2	6010.	1058.	1385.	34.74	129.5	1.143
#3	6071.	1050.	1409.	35.58	130.7	2.738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118893-b-10-d du Acquired: 8/25/2016 12:10:52 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6125**	**2.698**	**61.48**	**124.5**	**11.94**	**1.758**
Stddev	6.356	.508	1.42	.6	.84	.487
%RSD	1038.	18.83	2.305	.5125	7.062	27.72
#1	-5.449	3.130	59.93	123.7	12.55	1.334
#2	7.226	2.138	62.71	124.7	12.30	1.649
#3	.0606	2.825	61.79	124.9	10.98	2.291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**21.14**	**43.32**	**1120.**	**1523.**
Stddev	.81	.29	3.	24.
%RSD	3.847	.6634	.2244	1.587
#1	20.34	43.65	1119.	1549.
#2	21.10	43.12	1123.	1501.
#3	21.97	43.20	1119.	1519.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4202.4**	**29891.**	**3618.7**
Stddev	18.0	208.	26.8
%RSD	.42874	.69597	.74130
#1	4184.7	29729.	3605.6
#2	4201.8	29818.	3600.9
#3	4220.7	30125.	3649.5

Sample Name: 460-118893-b-10-c@4 Acquired: 8/25/2016 12:14:44 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23250.**	**5.480**	**.8556**	**210.3**	**1.292**	**4654.**
Stddev	236.	.425	.3562	.8	.009	21.
%RSD	1.013	7.760	41.63	.3902	.6612	.4509
#1	22970.	5.022	1.002	209.4	1.299	4676.
#2	23370.	5.863	.4495	210.9	1.294	4651.
#3	23390.	5.553	1.115	210.7	1.282	4634.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5093**	**18.42**	**40.60**	**94.09**	**44720.**	**2230.**
Stddev	.1073	.04	.36	.27	45.	29.
%RSD	21.07	.2135	.8746	.2837	.1014	1.294
#1	-.5731	18.38	40.54	94.39	44770.	2197.
#2	-.5695	18.46	40.28	94.00	44710.	2242.
#3	-.3855	18.43	40.98	93.88	44680.	2251.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5479.**	**1217.**	**1231.**	**33.96**	**116.7**	**.5607**
Stddev	10.	1.	6.	.21	1.4	.5441
%RSD	.1767	.1132	.4985	.6065	1.206	97.02
#1	5484.	1219.	1224.	33.85	116.0	.5081
#2	5468.	1217.	1235.	34.19	115.8	.0449
#3	5486.	1216.	1234.	33.83	118.3	1.129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118893-b-10-c@4 Acquired: 8/25/2016 12:14:44 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.477**	**2.263**	**54.35**	**122.2**	**10.87**	**1.716**
Stddev	2.609	1.855	.60	.3	.18	.136
%RSD	75.03	81.97	1.113	.2517	1.629	7.901
#1	6.340	4.403	54.65	122.3	10.95	1.631
#2	2.858	1.139	54.75	122.5	10.99	1.872
#3	1.233	1.246	53.66	121.9	10.67	1.643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.17**	**35.38**	**832.2**	**1623.**
Stddev	.89	.53	.5	21.
%RSD	5.868	1.507	.0602	1.289
#1	15.86	34.76	831.6	1621.
#2	15.49	35.72	832.4	1602.
#3	14.17	35.65	832.5	1644.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4215.2**	**30307.**	**3697.6**
Stddev	17.6	124.	17.0
%RSD	.41660	.40794	.45845
#1	4196.8	30171.	3714.3
#2	4217.1	30336.	3680.4
#3	4231.8	30413.	3698.2

Sample Name: sd 460-118893-b-10-c Acquired: 8/25/2016 12:18:37 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4573.**	**.4770**	**-.1221**	**41.25**	**.3549**	**940.4**
Stddev	11.	1.204	.3352	.15	.2086	9.0
%RSD	.2483	252.4	274.5	.3565	58.77	.9552
#1	4582.	1.718	-.4988	41.20	.5662	950.7
#2	4578.	.3990	-.0110	41.13	.3492	935.4
#3	4561.	-.6862	.1435	41.41	.1492	935.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0448**	**3.515**	**7.661**	**18.02**	**9052.**	**439.2**
Stddev	.0370	.113	.947	.38	25.	41.7
%RSD	82.61	3.227	12.36	2.122	.2719	9.497
#1	-.0122	3.389	7.210	18.46	9023.	401.4
#2	-.0371	3.547	7.023	17.80	9064.	484.0
#3	-.0850	3.609	8.749	17.80	9067.	432.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1086.**	**244.8**	**240.3**	**6.565**	**22.67**	**-.1598**
Stddev	6.	2.9	4.3	.194	.98	1.746
%RSD	.5774	1.191	1.777	2.951	4.315	1093.
#1	1089.	248.1	242.9	6.728	22.64	-.1909
#2	1079.	242.6	242.6	6.617	23.67	-1.890
#3	1090.	243.5	235.4	6.351	21.71	1.602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118893-b-10-c Acquired: 8/25/2016 12:18:37 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4487**	**1.537**	**10.81**	**25.88**	**2.343**	**.1699**
Stddev	4.084	.927	.38	.30	.311	.1812
%RSD	910.3	60.31	3.557	1.164	13.28	106.7
#1	-.7003	2.340	11.11	25.83	2.311	-.0266
#2	4.984	.5223	10.94	25.61	2.669	.2058
#3	-2.938	1.750	10.37	26.21	2.049	.3305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.309**	**6.920**	**165.7**	**306.2**
Stddev	.740	.067	.4	8.3
%RSD	32.07	.9616	.2648	2.704
#1	1.555	6.880	165.9	299.2
#2	2.335	6.883	165.2	304.0
#3	3.035	6.997	166.0	315.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4216.1**	**29967.**	**3606.3**
Stddev	23.6	109.	29.6
%RSD	.55924	.36227	.82045
#1	4238.7	29898.	3573.0
#2	4217.9	30092.	3629.4
#3	4191.6	29911.	3616.7

Sample Name: 460-118944-a-32-f@4 Acquired: 8/25/2016 12:22:34 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42370.**	**70.16**	**2.526**	**355.5**	**3.142**	**42440.**
Stddev	28.	.48	.191	.5	.080	269.
%RSD	.0662	.6857	7.561	.1459	2.560	.6336
#1	42380.	70.69	2.728	356.0	3.053	42130.
#2	42340.	70.06	2.348	355.6	3.208	42580.
#3	42390.	69.75	2.501	355.0	3.167	42600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0849**	**35.45**	**99.31**	**92.67**	**88950.**	**3784.**
Stddev	.0697	.35	1.60	.55	319.	58.
%RSD	82.08	.9987	1.608	.5968	.3584	1.537
#1	.1647	35.75	97.49	92.04	88580.	3767.
#2	.0365	35.54	100.4	93.00	89180.	3736.
#3	.0534	35.06	100.0	92.98	89080.	3849.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22580.**	**1761.**	**617.9**	**50.61**	**769.1**	**6.787**
Stddev	98.	6.	2.9	.43	2.2	.408
%RSD	.4354	.3672	.4738	.8573	.2845	6.016
#1	22470.	1753.	617.7	50.28	766.8	7.009
#2	22660.	1766.	615.1	51.10	771.2	6.315
#3	22610.	1763.	620.9	50.46	769.3	7.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-32-f@4 Acquired: 8/25/2016 12:22:34 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.108**	**5.320**	**141.9**	**406.1**	**18.87**	**4.418**
Stddev	.179	2.028	1.4	1.4	.47	.161
%RSD	16.19	38.12	1.020	.3456	2.492	3.647
#1	.9871	7.380	140.2	404.5	18.83	4.339
#2	1.024	3.326	142.9	407.1	18.42	4.312
#3	1.314	5.254	142.5	406.8	19.36	4.604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**60.33**	**83.01**	**1404.**	**1671.**
Stddev	1.17	.33	3.	19.
%RSD	1.932	.3973	.2390	1.148
#1	59.81	82.84	1401.	1649.
#2	61.67	83.39	1407.	1680.
#3	59.52	82.79	1403.	1683.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4168.2**	**30014.**	**3687.2**
Stddev	17.6	65.	23.8
%RSD	.42191	.21555	.64567
#1	4148.6	30079.	3695.2
#2	4173.2	29950.	3706.0
#3	4182.7	30012.	3660.5

Sample Name: 460-118944-a-33-f@4 Acquired: 8/25/2016 12:26:25 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42550.**	**17.75**	**1.661**	**242.2**	**2.830**	**9850.**
Stddev	336.	1.19	.110	1.1	.093	25.
%RSD	.7896	6.691	6.592	.4492	3.298	.2523
#1	42330.	16.43	1.539	241.7	2.744	9841.
#2	42940.	18.09	1.694	243.5	2.929	9831.
#3	42400.	18.73	1.750	241.5	2.817	9878.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5402**	**23.99**	**94.00**	**44.19**	**81740.**	**3933.**
Stddev	.0213	.27	.65	1.27	133.	52.
%RSD	3.944	1.134	.6940	2.871	.1625	1.323
#1	-.5634	23.75	94.20	43.24	81640.	3884.
#2	-.5360	24.29	93.27	43.70	81700.	3987.
#3	-.5214	23.95	94.52	45.63	81890.	3927.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12790.**	**660.5**	**470.1**	**51.05**	**244.2**	**1.804**
Stddev	165.	.9	2.3	.67	.8	.695
%RSD	1.286	.1368	.4801	1.307	.3084	38.50
#1	12710.	660.4	472.7	51.08	244.6	1.459
#2	12690.	659.6	468.5	50.37	244.7	1.349
#3	12980.	661.4	469.1	51.70	243.4	2.603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-33-f@4 Acquired: 8/25/2016 12:26:25 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.053**	**4.205**	**115.5**	**175.1**	**16.52**	**2.105**
Stddev	.544	2.015	1.3	1.6	.22	.091
%RSD	26.48	47.92	1.140	.8941	1.350	4.334
#1	-1.425	3.771	114.9	176.8	16.77	2.154
#2	-2.371	6.402	114.5	173.9	16.33	2.161
#3	-2.363	2.442	117.0	174.4	16.47	1.999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.993**	**52.75**	**1548.**	**1052.**
Stddev	.197	.45	2.	6.
%RSD	2.468	.8477	.1225	.6114
#1	7.853	52.42	1546.	1048.
#2	7.908	53.26	1549.	1049.
#3	8.219	52.59	1550.	1059.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4219.2**	**30263.**	**3726.2**
Stddev	22.6	148.	48.8
%RSD	.53551	.48963	1.3095
#1	4193.2	30180.	3705.0
#2	4231.0	30175.	3691.5
#3	4233.5	30434.	3782.0

Sample Name: 460-118944-a-37-f@4 Acquired: 8/25/2016 12:30:18 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39860.**	**23.76**	**2.575**	**420.0**	**2.924**	**20840.**
Stddev	167.	1.81	.503	.2	.174	22.
%RSD	.4176	7.635	19.53	.0519	5.956	.1045
#1	39920.	23.62	2.305	419.7	2.728	20860.
#2	39680.	22.02	2.264	420.2	3.060	20850.
#3	40000.	25.64	3.155	420.0	2.985	20820.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0971**	**37.02**	**89.48**	**162.7**	**85630.**	**4946.**
Stddev	.0813	.08	.09	1.1	34.	12.
%RSD	83.70	.2182	.1017	.6916	.0398	.2450
#1	-.1616	36.94	89.44	161.6	85670.	4932.
#2	-.1239	37.10	89.58	162.5	85600.	4949.
#3	-.0058	37.04	89.42	163.9	85630.	4956.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9444.**	**987.7**	**466.3**	**60.65**	**531.2**	**5.655**
Stddev	19.	.6	4.8	.95	1.6	1.556
%RSD	.2012	.0603	1.036	1.560	.2983	27.51
#1	9422.	987.4	470.6	61.69	530.7	7.264
#2	9455.	987.4	467.2	59.85	533.0	5.541
#3	9454.	988.4	461.1	60.41	529.9	4.159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-37-f@4 Acquired: 8/25/2016 12:30:18 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.515**	**4.020**	**120.5**	**495.6**	**14.07**	**3.738**
Stddev	1.592	2.573	.5	.8	.11	.267
%RSD	63.29	64.02	.3885	.1573	.8033	7.146
#1	1.048	3.384	120.8	495.3	14.20	4.041
#2	2.289	6.851	120.0	495.1	14.02	3.636
#3	4.208	1.824	120.8	496.5	13.99	3.537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**27.35**	**168.1**	**1176.**	**923.3**
Stddev	.40	.5	1.	16.8
%RSD	1.450	.3140	.1015	1.824
#1	26.97	168.2	1177.	904.2
#2	27.77	167.6	1176.	929.2
#3	27.32	168.6	1175.	936.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4212.8**	**30044.**	**3681.9**
Stddev	12.1	57.	29.8
%RSD	.28666	.18952	.80986
#1	4199.5	29983.	3665.7
#2	4215.7	30055.	3716.3
#3	4223.2	30095.	3663.7

Sample Name: CCV Acquired: 8/25/2016 12:34:11 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122700.**	**2441.**	**1224.**	**9960.**	**1003.**	**123300.**
Stddev	193.	3.	5.	9.	1.	407.
%RSD	.1575	.1109	.4277	.0932	.0642	.3301
#1	122500.	2442.	1218.	9959.	1003.	123000.
#2	122800.	2442.	1228.	9970.	1004.	123800.
#3	122900.	2437.	1226.	9951.	1004.	123200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1240.**	**2466.**	**4995.**	**12240.**	**99480.**	**49020.**
Stddev	1.	1.	13.	24.	365.	62.
%RSD	.1040	.0537	.2640	.1928	.3664	.1256
#1	1240.	2466.	4981.	12210.	99260.	48950.
#2	1241.	2466.	5008.	12250.	99900.	49070.
#3	1239.	2464.	4995.	12260.	99270.	49040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123200.**	**5038.**	**124000.**	**2490.**	**7450.**	**973.4**
Stddev	446.	16.	254.	4.	17.	2.4
%RSD	.3616	.3195	.2051	.1447	.2315	.2467
#1	122700.	5022.	124300.	2490.	7457.	972.5
#2	123600.	5054.	124000.	2494.	7463.	976.1
#3	123300.	5036.	123800.	2487.	7430.	971.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 12:34:11 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2433.**	**2488.**	**2445.**	**2489.**	**978.1**	**2432.**
Stddev	5.	5.	7.	6.	1.2	1.
%RSD	.2102	.1891	.2782	.2439	.1230	.0597
#1	2438.	2493.	2438.	2494.	977.3	2430.
#2	2428.	2487.	2451.	2492.	979.5	2433.
#3	2432.	2484.	2446.	2482.	977.6	2432.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**981.6**	**5018.**	**10060.**	**9741.**
Stddev	.7	3.	20.	36.
%RSD	.0703	.0689	.1941	.3740
#1	982.4	5014.	10040.	9779.
#2	981.5	5020.	10080.	9707.
#3	981.0	5020.	10070.	9738.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3956.7**	**28256.**	**3504.3**
Stddev	3.4	115.	23.2
%RSD	.08514	.40774	.66303
#1	3956.9	28381.	3530.9
#2	3953.2	28154.	3487.8
#3	3959.9	28232.	3494.3

Sample Name: CCB Acquired: 8/25/2016 12:37:46 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.546**	**.9098**	**.4669**	**.0809**	**.0314**	**-1.744**
Stddev	6.221	.9993	.5660	.3045	.0443	7.669
%RSD	112.2	109.8	121.2	376.2	141.0	439.7
#1	-9.967	.3633	.0329	-.1693	-.0044	-3.012
#2	-8.240	2.063	.2607	-.0078	.0177	-8.700
#3	1.568	.3030	1.107	.4199	.0810	6.479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0767**	**-.0433**	**-.1280**	**-.1976**	**-4.263**	**8.122**
Stddev	.0559	.1312	.0337	.7746	3.314	12.59
%RSD	72.89	303.0	26.32	392.0	77.75	155.0
#1	.0140	-.0916	-.1541	-.9719	-6.939	22.08
#2	.1212	-.1434	-.0900	.5773	-5.293	-2.380
#3	.0948	.1052	-.1400	-.1982	-.5557	4.667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.035**	**.0206**	**21.79**	**.0451**	**-.7278**	**.9991**
Stddev	1.464	.0934	15.72	.2557	1.333	1.079
%RSD	141.5	452.6	72.17	566.6	183.2	108.0
#1	.5383	-.0460	39.21	-.2303	-2.078	-.0863
#2	-2.358	.1274	17.49	.2750	-.6927	2.071
#3	-1.286	-.0195	8.659	.0907	.5874	1.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 12:37:46 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.568**	**2.672**	**-.0215**	**.1338**	**1.799**	**.5094**
Stddev	2.294	1.200	.5033	.1604	.434	.2871
%RSD	89.33	44.92	2346.	119.9	24.10	56.37
#1	.9697	1.637	.4328	.1366	2.298	.8362
#2	1.538	3.988	-.5626	.2928	1.575	.2975
#3	5.196	2.393	.0654	-.0280	1.522	.3944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2031**	**.0679**	**.2541**	**-4.332**
Stddev	.7110	.0721	.1617	11.96
%RSD	350.1	106.1	63.64	276.1
#1	.3539	-.0153	.4406	-5.068
#2	-1.004	.1099	.1529	7.982
#3	.0408	.1091	.1687	-15.91
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4201.4**	**29855.**	**3595.3**
Stddev	37.2	160.	44.9
%RSD	.88623	.53633	1.2487
#1	4239.8	29993.	3647.0
#2	4199.0	29892.	3572.8
#3	4165.5	29679.	3566.1

Sample Name: CCVL Acquired: 8/25/2016 12:41:48 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**182.5**	**12.57**	**9.171**	**191.2**	**1.908**	**4602.**
Stddev	14.7	.59	.290	.6	.135	37.
%RSD	8.042	4.690	3.158	.3192	7.074	.8092
#1	199.1	12.68	9.309	190.8	1.946	4595.
#2	171.2	13.10	8.838	191.9	2.020	4570.
#3	177.1	11.94	9.367	190.8	1.758	4643.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.048**	**47.65**	**9.260**	**22.48**	**157.8**	**4447.**
Stddev	.104	.30	.250	.56	2.9	77.
%RSD	2.571	.6222	2.698	2.476	1.825	1.742
#1	3.937	47.31	9.540	21.88	158.8	4364.
#2	4.143	47.77	9.182	22.98	154.5	4459.
#3	4.062	47.86	9.060	22.57	160.0	4518.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4453.**	**15.08**	**4461.**	**38.99**	**10.14**	**18.10**
Stddev	55.	.07	35.	.78	.43	1.38
%RSD	1.243	.4719	.7839	2.006	4.209	7.605
#1	4393.	15.02	4428.	38.18	10.22	16.67
#2	4463.	15.06	4457.	39.74	9.686	19.42
#3	4503.	15.16	4498.	39.06	10.53	18.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 12:41:48 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.11**	**22.12**	**45.92**	**31.00**	**45.20**	**17.95**
Stddev	1.38	.86	.16	.19	.25	.13
%RSD	9.811	3.905	.3417	.6162	.5539	.7260
#1	12.68	22.99	46.08	30.83	45.23	17.87
#2	15.44	21.26	45.92	30.96	45.43	18.10
#3	14.21	22.12	45.76	31.21	44.93	17.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.29**	**19.14**	**19.49**	F **4.872**
Stddev	.39	.25	.24	9.370
%RSD	.8152	1.280	1.236	192.3
#1	47.04	19.00	19.23	-4.913
#2	47.11	19.00	19.56	13.76
#3	47.74	19.42	19.69	5.767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4195.1**	**29757.**	**3593.1**
Stddev	6.8	196.	41.8
%RSD	.16288	.65894	1.1630
#1	4202.6	29735.	3590.2
#2	4193.6	29963.	3636.2
#3	4189.2	29573.	3552.8

Sample Name: 460-118944-a-38-f@4 Acquired: 8/25/2016 12:45:48 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37890.**	**18.91**	**3.190**	**421.8**	**2.807**	**16400.**
Stddev	129.	1.37	.314	1.3	.064	93.
%RSD	.3408	7.258	9.837	.3071	2.289	.5648
#1	37770.	17.62	3.353	421.0	2.796	16500.
#2	38020.	20.35	3.388	421.2	2.749	16390.
#3	37890.	18.76	2.828	423.3	2.876	16320.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1703**	**30.77**	**79.72**	**142.1**	**70560.**	**4453.**
Stddev	.0772	.31	.83	1.2	304.	32.
%RSD	45.33	1.002	1.042	.8572	.4312	.7155
#1	-.2132	30.64	78.77	141.2	70890.	4425.
#2	-.2166	30.54	80.03	141.5	70500.	4447.
#3	-.0812	31.12	80.34	143.5	70300.	4488.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9127.**	**921.4**	**538.0**	**53.89**	**426.7**	**11.13**
Stddev	21.	2.4	6.7	.62	1.8	1.27
%RSD	.2340	.2578	1.250	1.157	.4236	11.37
#1	9103.	924.0	535.7	53.98	425.2	9.976
#2	9138.	920.7	545.6	53.23	428.7	10.93
#3	9141.	919.4	532.8	54.47	426.1	12.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-38-f@4 Acquired: 8/25/2016 12:45:48 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.696**	**2.328**	**112.6**	**319.8**	**15.94**	**3.036**
Stddev	4.035	2.122	.4	.8	.13	.399
%RSD	149.7	91.15	.3574	.2403	.8074	13.15
#1	.7620	4.553	112.3	319.2	15.84	2.717
#2	-.0082	2.105	112.5	320.7	15.89	3.483
#3	7.334	.3266	113.1	319.6	16.08	2.907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**24.15**	**171.2**	**1070.**	**997.1**
Stddev	.36	.3	2.	21.8
%RSD	1.492	.1611	.2298	2.189
#1	24.28	171.0	1072.	975.2
#2	24.42	171.5	1070.	997.1
#3	23.74	171.1	1067.	1019.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4230.2**	**30344.**	**3740.1**
Stddev	13.7	261.	30.2
%RSD	.32448	.85936	.80692
#1	4218.5	30058.	3737.6
#2	4227.0	30407.	3711.2
#3	4245.3	30568.	3771.5

Sample Name: 460-118944-a-39-f@4 Acquired: 8/25/2016 12:49:40 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42780.**	**20.33**	**3.331**	**398.0**	**2.623**	**17930.**
Stddev	98.	1.83	.212	.6	.080	321.
%RSD	.2286	8.977	6.356	.1515	3.065	1.787
#1	42820.	18.29	3.554	398.2	2.677	18300.
#2	42860.	20.91	3.133	398.4	2.531	17700.
#3	42670.	21.80	3.306	397.3	2.661	17800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6657**	**29.68**	**78.45**	**119.1**	**77640.**	**4298.**
Stddev	.1972	.09	1.01	1.7	847.	36.
%RSD	29.63	.3087	1.284	1.468	1.091	.8428
#1	-.8908	29.67	79.31	117.1	78610.	4275.
#2	-.5232	29.78	77.34	120.1	77120.	4340.
#3	-.5831	29.60	78.69	120.2	77180.	4280.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8744.**	**1062.**	**749.8**	**48.26**	**466.0**	**4.918**
Stddev	67.	11.	9.3	.75	2.8	1.390
%RSD	.7693	1.028	1.239	1.545	.5970	28.25
#1	8818.	1075.	751.7	48.04	463.4	3.467
#2	8687.	1055.	739.7	47.65	465.8	5.051
#3	8728.	1057.	758.0	49.09	468.9	6.237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-39-f@4 Acquired: 8/25/2016 12:49:40 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.026**	**3.654**	**110.6**	**225.9**	**18.95**	**3.197**
Stddev	1.314	.832	.9	1.0	.47	.591
%RSD	64.83	22.77	.8142	.4450	2.502	18.48
#1	.7604	4.058	111.5	225.8	19.49	2.690
#2	1.936	2.698	109.7	224.9	18.61	3.055
#3	3.383	4.208	110.7	226.9	18.75	3.846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**13.56**	**172.1**	**989.9**	**902.7**
Stddev	.92	.3	3.3	19.7
%RSD	6.758	.1683	.3366	2.182
#1	13.20	172.4	992.8	884.4
#2	12.88	172.0	986.3	900.1
#3	14.60	171.8	990.6	923.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4206.2**	**29937.**	**3739.5**
Stddev	3.7	606.	28.6
%RSD	.08734	2.0227	.76459
#1	4203.0	29238.	3715.7
#2	4205.4	30288.	3731.6
#3	4210.2	30286.	3771.2

Sample Name: 460-118944-a-43-f@4 Acquired: 8/25/2016 12:53:33 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48410.**	**20.63**	**1.988**	**354.8**	**2.870**	**18770.**
Stddev	160.	1.14	.216	.6	.122	85.
%RSD	.3307	5.515	10.85	.1736	4.241	.4543
#1	48590.	20.41	1.745	355.4	2.752	18750.
#2	48370.	19.62	2.156	354.8	2.995	18870.
#3	48270.	21.86	2.064	354.1	2.862	18700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5176**	**31.54**	**95.02**	**78.36**	**81880.**	**4940.**
Stddev	.1083	.11	.27	.60	228.	8.
%RSD	20.92	.3513	.2861	.7646	.2778	.1676
#1	-.5992	31.45	94.80	77.69	81910.	4932.
#2	-.3948	31.66	94.95	78.55	82090.	4949.
#3	-.5590	31.50	95.32	78.85	81640.	4938.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11580.**	**1688.**	**360.7**	**50.29**	**357.8**	**3.735**
Stddev	117.	4.	3.9	.66	1.3	.591
%RSD	1.006	.2451	1.085	1.321	.3723	15.83
#1	11440.	1688.	364.4	49.92	356.7	3.052
#2	11650.	1693.	361.0	49.90	357.5	4.077
#3	11640.	1684.	356.6	51.06	359.3	4.076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-43-f@4 Acquired: 8/25/2016 12:53:33 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.110**	**2.856**	**119.7**	**170.2**	**13.39**	**3.127**
Stddev	.879	1.882	.8	.3	.17	.399
%RSD	41.69	65.90	.7029	.1582	1.282	12.77
#1	-2.374	.7274	118.8	170.4	13.37	3.209
#2	-2.827	4.299	119.7	169.9	13.57	2.693
#3	-1.128	3.541	120.5	170.4	13.23	3.479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**19.93**	**103.5**	**1121.**	**965.9**
Stddev	.39	.4	3.	17.3
%RSD	1.962	.3957	.2233	1.791
#1	20.38	103.9	1123.	947.5
#2	19.69	103.1	1120.	981.8
#3	19.72	103.5	1118.	968.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4217.1**	**30475.**	**3728.4**
Stddev	11.0	108.	33.6
%RSD	.26036	.35351	.90056
#1	4206.7	30427.	3700.0
#2	4215.9	30400.	3719.8
#3	4228.6	30599.	3765.5

Sample Name: 460-118944-a-44-f@4 Acquired: 8/25/2016 12:57:26 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49600.**	**20.14**	**1.872**	**370.2**	**2.605**	**24220.**
Stddev	303.	.60	.351	.7	.099	73.
%RSD	.6103	2.967	18.73	.2018	3.790	.2996
#1	49300.	20.51	1.480	371.0	2.659	24190.
#2	49910.	20.46	1.982	370.2	2.665	24160.
#3	49580.	19.45	2.155	369.5	2.491	24300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6824**	**32.83**	**85.92**	**94.76**	**74080.**	**7118.**
Stddev	.1817	.15	.42	1.38	126.	55.
%RSD	26.62	.4588	.4907	1.454	.1704	.7732
#1	-.6133	32.75	85.43	93.50	73950.	7073.
#2	-.5454	32.74	86.19	96.23	74200.	7179.
#3	-.8885	33.01	86.13	94.54	74090.	7102.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11070.**	**993.7**	**811.8**	**50.32**	**368.5**	**4.164**
Stddev	63.	1.3	10.2	.28	1.4	1.130
%RSD	.5664	.1276	1.261	.5514	.3736	27.13
#1	11000.	992.6	804.1	50.05	369.4	5.355
#2	11090.	995.1	823.4	50.60	369.2	3.107
#3	11120.	993.5	807.9	50.32	366.9	4.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-44-f@4 Acquired: 8/25/2016 12:57:26 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.050**	**5.178**	**117.8**	**223.2**	**18.69**	**2.947**
Stddev	1.007	3.242	.9	.6	.21	.135
%RSD	95.88	62.60	.7849	.2537	1.147	4.565
#1	1.117	7.884	116.9	222.8	18.61	2.886
#2	.0114	6.065	118.8	223.0	18.93	2.853
#3	2.022	1.585	117.7	223.9	18.52	3.101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.763**	**151.0**	**1307.**	**1175.**
Stddev	.168	1.2	4.	7.
%RSD	1.722	.8053	.3075	.5562
#1	9.633	149.8	1306.	1175.
#2	9.953	152.2	1311.	1182.
#3	9.703	150.9	1303.	1169.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4201.0**	**30036.**	**3682.4**
Stddev	29.9	212.	49.3
%RSD	.71172	.70617	1.3382
#1	4166.8	29793.	3629.6
#2	4213.9	30127.	3690.6
#3	4222.3	30186.	3727.1

Sample Name: 460-118944-a-45-i@4 Acquired: 8/25/2016 13:01:18 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**63160.**	**21.94**	**2.832**	**236.8**	**2.639**	**7894.**
Stddev	601.	1.59	.313	.8	.086	28.
%RSD	.9521	7.262	11.06	.3418	3.274	.3527
#1	62470.	20.20	2.805	237.6	2.561	7864.
#2	63540.	23.32	2.533	236.0	2.732	7919.
#3	63480.	22.31	3.158	236.7	2.624	7900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.045**	**30.46**	**111.9**	**50.58**	**98330.**	**4465.**
Stddev	.147	.37	.8	.08	395.	49.
%RSD	14.09	1.199	.6773	.1633	.4013	1.099
#1	-1.199	30.27	111.5	50.52	97930.	4415.
#2	-1.032	30.23	112.8	50.54	98720.	4513.
#3	-.9056	30.88	111.4	50.67	98330.	4467.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10070.**	**842.5**	**1180.**	**52.65**	**107.3**	**3.386**
Stddev	121.	4.5	33.	.77	1.2	2.547
%RSD	1.198	.5305	2.799	1.464	1.124	75.23
#1	9956.	837.5	1142.	52.49	108.3	.5833
#2	10190.	846.0	1205.	51.97	106.0	4.015
#3	10050.	844.1	1193.	53.48	107.5	5.560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118944-a-45-i@4 Acquired: 8/25/2016 13:01:18 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1866**	**3.754**	**143.6**	**143.7**	**13.86**	**3.431**
Stddev	3.933	1.885	1.3	.2	.50	.043
%RSD	2108.	50.20	.9043	.1286	3.591	1.264
#1	2.803	4.570	142.3	143.5	14.12	3.381
#2	1.279	1.599	144.9	143.8	13.28	3.461
#3	-4.642	5.094	143.6	143.9	14.17	3.450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.876**	**43.84**	**1411.**	**964.8**
Stddev	1.289	.63	3.	25.4
%RSD	68.74	1.429	.2358	2.629
#1	-3.345	43.15	1407.	937.7
#2	-.9343	44.36	1414.	968.7
#3	-1.348	44.03	1411.	987.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4203.3**	**30091.**	**3686.4**
Stddev	13.3	89.	17.0
%RSD	.31670	.29578	.46056
#1	4198.7	30135.	3695.3
#2	4192.9	29988.	3666.8
#3	4218.3	30149.	3697.1

Sample Name: 460-118946-a-4-i@4 Acquired: 8/25/2016 13:05:11 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48010.**	**22.82**	**1.563**	**265.4**	**2.928**	**4101.**
Stddev	94.	.92	.459	.7	.124	21.
%RSD	.1953	4.043	29.35	.2695	4.232	.5023
#1	47910.	23.46	1.484	265.6	2.904	4095.
#2	48100.	23.23	1.149	266.0	3.062	4083.
#3	48000.	21.76	2.056	264.6	2.818	4123.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.147**	**36.28**	**99.72**	**39.14**	**89620.**	**4030.**
Stddev	.219	.14	.57	.31	393.	27.
%RSD	19.06	.3754	.5764	.7896	.4388	.6811
#1	-.9376	36.16	100.2	39.06	89440.	4008.
#2	-1.129	36.43	99.92	38.87	89340.	4020.
#3	-1.374	36.25	99.08	39.48	90070.	4061.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9612.**	**1219.**	**704.0**	**47.70**	**152.1**	**1.946**
Stddev	77.	3.	7.2	.45	.8	1.384
%RSD	.7992	.2354	1.026	.9460	.5318	71.13
#1	9539.	1217.	698.8	47.56	153.0	.7163
#2	9605.	1217.	701.0	47.34	151.7	3.445
#3	9692.	1222.	712.2	48.21	151.5	1.676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-4-i@4 Acquired: 8/25/2016 13:05:11 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.678**	**4.521**	**128.4**	**149.5**	**9.195**	**3.542**
Stddev	1.996	.618	1.0	.9	.092	.371
%RSD	74.55	13.68	.7856	.5963	.9994	10.48
#1	-4.846	4.046	127.4	149.1	9.091	3.945
#2	-.9171	4.297	128.5	148.9	9.231	3.214
#3	-2.269	5.221	129.4	150.5	9.265	3.466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-2.565**	**31.67**	**1240.**	**1288.**
Stddev	.217	.17	2.	9.
%RSD	8.456	.5215	.1546	.6790
#1	-2.796	31.56	1238.	1281.
#2	-2.531	31.86	1240.	1298.
#3	-2.366	31.60	1241.	1285.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4240.5**	**30314.**	**3696.3**
Stddev	16.5	55.	4.8
%RSD	.39012	.18206	.13023
#1	4223.3	30253.	3691.7
#2	4241.9	30361.	3701.3
#3	4256.3	30329.	3695.9

Sample Name: 460-118946-a-5-g@4 Acquired: 8/25/2016 13:09:04 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46870.**	**25.93**	**2.705**	**241.3**	**3.443**	**2048.**
Stddev	360.	.32	.327	.5	.181	.
%RSD	.7683	1.249	12.08	.2121	5.251	.0099
#1	47280.	25.64	2.390	241.5	3.585	2048.
#2	46720.	26.28	2.682	241.7	3.504	2047.
#3	46600.	25.87	3.042	240.7	3.240	2048.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.041**	**46.60**	**100.6**	**43.22**	**102000.**	**3941.**
Stddev	.187	.15	1.2	.53	269.	28.
%RSD	18.00	.3212	1.213	1.220	.2633	.7118
#1	-1.061	46.74	99.43	42.63	102200.	3969.
#2	-1.218	46.61	101.9	43.42	102200.	3941.
#3	-.8446	46.44	100.6	43.62	101700.	3913.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11010.**	**2041.**	**382.3**	**59.93**	**56.38**	**2.308**
Stddev	128.	4.	15.8	.42	1.17	.803
%RSD	1.164	.1788	4.133	.6950	2.072	34.81
#1	10870.	2042.	372.7	60.02	56.61	2.190
#2	11110.	2043.	400.6	60.30	57.41	3.164
#3	11070.	2037.	373.7	59.48	55.11	1.570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-5-g@4 Acquired: 8/25/2016 13:09:04 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.092**	**4.576**	**139.8**	**146.2**	**12.28**	**3.081**
Stddev	2.175	.324	2.7	.4	.08	.228
%RSD	53.16	7.088	1.917	.2834	.6852	7.390
#1	-1.777	4.879	136.9	145.8	12.20	3.328
#2	-6.094	4.615	142.1	146.1	12.37	2.879
#3	-4.404	4.234	140.5	146.6	12.27	3.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-4.117**	**22.78**	**1528.**	**925.7**
Stddev	.127	.15	1.	6.7
%RSD	3.080	.6572	.0907	.7220
#1	-4.239	22.95	1527.	922.9
#2	-4.127	22.69	1529.	920.9
#3	-3.986	22.70	1529.	933.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4307.0**	**30946.**	**3757.9**
Stddev	6.1	116.	33.1
%RSD	.14096	.37575	.87956
#1	4306.0	30871.	3725.0
#2	4301.6	30886.	3757.7
#3	4313.6	31080.	3791.1

Sample Name: 460-118946-a-6-g@4 Acquired: 8/25/2016 13:12:56 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42990.**	**27.40**	**2.338**	**210.1**	**3.281**	**5166.**
Stddev	254.	1.31	.295	.6	.087	32.
%RSD	.5916	4.786	12.60	.2900	2.645	.6250
#1	42760.	25.94	2.449	209.5	3.234	5177.
#2	42940.	28.48	2.004	210.2	3.228	5192.
#3	43260.	27.78	2.562	210.7	3.382	5130.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9003**	**38.65**	**116.5**	**46.63**	**98430.**	**3350.**
Stddev	.1821	.09	.3	.65	198.	76.
%RSD	20.23	.2267	.2800	1.400	.2009	2.274
#1	-1.099	38.67	116.2	45.94	98510.	3277.
#2	-.7420	38.71	116.4	46.71	98570.	3344.
#3	-.8595	38.55	116.9	47.24	98200.	3429.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10410.**	**1375.**	**643.3**	**57.10**	**256.9**	**4.918**
Stddev	33.	3.	8.3	.64	1.3	.339
%RSD	.3166	.2524	1.284	1.112	.4894	6.885
#1	10380.	1377.	634.6	56.39	255.5	5.084
#2	10440.	1378.	644.2	57.62	257.7	5.142
#3	10400.	1371.	651.1	57.30	257.6	4.528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-6-g@4 Acquired: 8/25/2016 13:12:56 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.303**	**5.655**	**134.0**	**194.5**	**7.548**	**2.430**
Stddev	3.081	2.862	.8	1.1	.338	.078
%RSD	133.8	50.61	.5799	.5689	4.484	3.210
#1	-1.283	7.682	133.2	193.7	7.752	2.342
#2	-5.764	2.381	134.7	195.7	7.735	2.492
#3	.1383	6.903	134.1	194.0	7.157	2.456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1760**	**36.92**	**1130.**	**1170.**
Stddev	.3154	.37	2.	32.
%RSD	179.2	1.007	.1671	2.745
#1	.5094	36.51	1129.	1167.
#2	-.1175	37.04	1129.	1204.
#3	.1360	37.22	1133.	1140.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4276.1**	**30737.**	**3762.5**
Stddev	29.4	274.	23.4
%RSD	.68704	.89139	.62231
#1	4263.2	30503.	3766.9
#2	4255.3	30671.	3783.5
#3	4309.7	31039.	3737.2

Sample Name: 460-118946-a-10-g@4 Acquired: 8/25/2016 13:16:49 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**71010.**	**21.49**	**1.984**	**272.9**	**2.743**	**2410.**
Stddev	170.	2.36	.265	.5	.129	6.
%RSD	.2393	10.96	13.35	.1708	4.692	.2392
#1	70820.	18.77	2.222	272.4	2.887	2404.
#2	71150.	22.92	2.030	273.2	2.704	2416.
#3	71060.	22.78	1.699	273.2	2.639	2409.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6363**	**20.98**	**128.8**	**52.66**	**84870.**	**5480.**
Stddev	.1747	.33	1.6	.23	153.	9.
%RSD	27.45	1.567	1.279	.4431	.1807	.1620
#1	-.7147	20.88	127.0	52.79	84700.	5470.
#2	-.7581	21.35	130.3	52.80	84990.	5483.
#3	-.4362	20.71	129.1	52.39	84920.	5487.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16540.**	**813.4**	**581.2**	**50.98**	**110.2**	**3.139**
Stddev	60.	.6	12.2	.35	1.8	1.246
%RSD	.3630	.0744	2.093	.6949	1.644	39.68
#1	16490.	812.7	568.4	50.78	110.7	4.504
#2	16610.	813.9	582.5	50.77	111.7	2.849
#3	16520.	813.5	592.6	51.39	108.2	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-10-g@4 Acquired: 8/25/2016 13:16:49 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.461**	**4.664**	**149.6**	**183.3**	**22.10**	**2.941**
Stddev	2.203	.161	.3	.9	.81	.092
%RSD	63.67	3.442	.1948	.5052	3.683	3.113
#1	-4.681	4.480	149.3	182.6	21.23	2.852
#2	-4.783	4.738	149.9	184.3	22.84	2.937
#3	-.9173	4.774	149.6	182.9	22.24	3.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1495**	**37.47**	**1349.**	**1091.**
Stddev	.4268	.13	2.	13.
%RSD	285.5	.3569	.1471	1.211
#1	-.1549	37.47	1347.	1077.
#2	-.5736	37.34	1349.	1094.
#3	.2800	37.60	1351.	1103.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4245.0**	**30386.**	**3730.6**
Stddev	10.8	100.	16.2
%RSD	.25556	.33020	.43497
#1	4232.5	30294.	3725.9
#2	4251.2	30371.	3717.3
#3	4251.3	30493.	3748.7

Sample Name: 460-118946-a-11-g@4 Acquired: 8/25/2016 13:20:41 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**57800.**	**23.00**	**1.840**	**283.6**	**3.633**	**4831.**
Stddev	344.	2.44	.484	.8	.075	53.
%RSD	.5949	10.63	26.33	.2763	2.062	1.102
#1	57420.	20.19	1.331	282.7	3.708	4770.
#2	58090.	24.24	1.894	284.2	3.558	4855.
#3	57890.	24.58	2.296	283.9	3.632	4868.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8177**	**31.80**	**129.0**	**56.77**	**81240.**	**4095.**
Stddev	.1443	.48	1.9	.29	558.	53.
%RSD	17.65	1.497	1.458	.5098	.6862	1.295
#1	-.6510	31.31	127.0	56.67	80600.	4041.
#2	-.9039	32.26	130.7	57.10	81510.	4097.
#3	-.8980	31.83	129.4	56.55	81620.	4147.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9621.**	**1211.**	**276.6**	**46.32**	**118.7**	**3.065**
Stddev	130.	9.	10.2	.54	1.9	.717
%RSD	1.355	.7218	3.687	1.157	1.572	23.41
#1	9478.	1201.	275.3	46.93	116.8	3.453
#2	9651.	1216.	267.2	46.06	120.6	3.504
#3	9733.	1216.	287.4	45.96	118.6	2.237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-11-g@4 Acquired: 8/25/2016 13:20:41 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.467**	**2.859**	**130.0**	**161.2**	**11.47**	**2.772**
Stddev	2.268	2.668	1.3	1.7	.40	.273
%RSD	91.93	93.30	.9716	1.028	3.517	9.850
#1	-1.884	5.897	128.7	159.4	11.61	2.824
#2	-4.970	.8966	130.1	162.6	11.78	3.016
#3	-.5472	1.784	131.2	161.5	11.01	2.477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5860**	**53.81**	**1338.**	**1024.**
Stddev	.5188	.40	4.	14.
%RSD	88.54	.7518	.2776	1.364
#1	-.1093	53.36	1334.	1040.
#2	-.5099	53.93	1340.	1021.
#3	-1.139	54.14	1341.	1012.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.4**	**30646.**	**3725.0**
Stddev	17.8	4.	73.3
%RSD	.41709	.01329	1.9667
#1	4258.1	30650.	3797.7
#2	4245.5	30645.	3651.2
#3	4280.6	30642.	3726.1

Sample Name: CCV Acquired: 8/25/2016 13:24:35 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121100.**	**2417.**	**1210.**	**9871.**	**990.1**	**121600.**
Stddev	854.	2.	5.	15.	6.2	97.
%RSD	.7055	.0834	.3730	.1495	.6243	.0801
#1	120100.	2418.	1204.	9860.	983.0	121500.
#2	121500.	2419.	1211.	9865.	993.1	121700.
#3	121700.	2415.	1213.	9888.	994.2	121700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1227.**	**2439.**	**4944.**	**12090.**	**97960.**	**48430.**
Stddev	3.	5.	3.	60.	141.	355.
%RSD	.2147	.1851	.0612	.4982	.1442	.7331
#1	1224.	2435.	4941.	12020.	97800.	48030.
#2	1226.	2439.	4944.	12140.	98040.	48540.
#3	1229.	2444.	4947.	12110.	98050.	48720.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121600.**	**4982.**	**122200.**	**2472.**	**7364.**	**965.6**
Stddev	225.	10.	658.	4.	16.	1.7
%RSD	.1851	.1931	.5383	.1542	.2117	.1781
#1	121300.	4971.	121500.	2467.	7346.	963.9
#2	121700.	4989.	122800.	2474.	7374.	965.4
#3	121700.	4986.	122300.	2474.	7372.	967.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 13:24:35 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2406.**	**2464.**	**2416.**	**2465.**	**971.5**	**2387.**
Stddev	7.	7.	5.	6.	4.2	4.
%RSD	.2898	.2739	.2132	.2401	.4350	.1651
#1	2398.	2460.	2412.	2458.	966.6	2383.
#2	2412.	2472.	2422.	2465.	973.5	2389.
#3	2409.	2461.	2414.	2470.	974.2	2390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**971.9**	**4976.**	**9941.**	**9544.**
Stddev	1.1	41.	28.	42.
%RSD	.1088	.8160	.2804	.4391
#1	970.8	4929.	9909.	9498.
#2	973.0	5000.	9954.	9556.
#3	971.8	4998.	9960.	9579.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3953.3**	**28257.**	**3492.1**
Stddev	11.0	1.	21.5
%RSD	.27802	.00350	.61524
#1	3965.9	28256.	3497.6
#2	3947.5	28258.	3510.2
#3	3946.3	28257.	3468.3

Sample Name: CCB Acquired: 8/25/2016 13:28:10 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.129**	**-1.575**	**.2165**	**.0935**	**.0897**	**.2374**
Stddev	3.482	1.701	.8201	.1968	.0892	7.019
%RSD	67.89	108.0	378.8	210.5	99.47	2957.
#1	-9.033	-1.391	.0718	-.0951	-.0087	2.050
#2	-2.345	.0265	1.099	.0779	.1123	6.173
#3	-4.009	-3.361	-.5217	.2977	.1654	-7.510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1890**	**.0787**	**-.4867**	**-.2184**	**10.62**	**59.62**
Stddev	.1377	.0756	.6737	.5415	14.85	14.43
%RSD	72.87	95.97	138.4	247.9	139.8	24.19
#1	.2955	.1449	.2907	-.8380	-4.241	46.43
#2	.0335	.0949	-.9004	.1647	10.64	57.41
#3	.2381	-.0036	-.8503	.0180	25.47	75.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.802**	**-.0117**	**15.45**	**.1511**	**.0095**	**.0681**
Stddev	3.527	.0800	21.51	.2099	1.695	.8806
%RSD	92.78	686.2	139.2	139.0	17860.	1293.
#1	6.175	.0592	26.89	.3483	1.014	1.078
#2	-.2514	-.0984	28.82	.1745	-1.948	-.3369
#3	5.481	.0042	-9.363	-.0696	.9624	-.5371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 13:28:10 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.552**	**2.151**	**.2562**	**.2355**	**1.257**	**.4821**
Stddev	3.843	.969	.1771	.1999	.745	.5634
%RSD	150.6	45.03	69.12	84.89	59.23	116.9
#1	-4.077	3.204	.4470	.3691	1.982	.9834
#2	1.819	1.954	.0971	.0057	1.297	.5905
#3	-5.398	1.297	.2245	.3318	.4938	-.1277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0300**	**-.0074**	**.2953**	**5.215**
Stddev	.6953	.0249	.1054	11.02
%RSD	2315.	337.4	35.71	211.3
#1	-.4976	.0211	.2453	-.1447
#2	.7690	-.0249	.2241	-2.098
#3	-.3614	-.0183	.4164	17.89
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4228.0**	**30186.**	**3572.1**
Stddev	16.5	202.	8.3
%RSD	.39078	.66933	.23145
#1	4242.7	30362.	3580.9
#2	4231.1	30231.	3571.0
#3	4210.1	29965.	3564.5

Sample Name: CCVL Acquired: 8/25/2016 13:32:12 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**175.5**	**12.36**	**9.081**	**190.9**	**2.000**	**4564.**
Stddev	11.5	.44	.085	.4	.081	6.
%RSD	6.543	3.569	.9399	.2256	4.058	.1280
#1	162.3	11.91	9.159	191.1	2.075	4563.
#2	181.0	12.80	9.095	190.4	1.914	4570.
#3	183.1	12.37	8.990	191.2	2.011	4558.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.948**	**47.57**	**9.608**	**21.87**	**141.3**	**4486.**
Stddev	.206	.54	.235	.20	6.0	44.
%RSD	5.217	1.125	2.445	.9312	4.214	.9882
#1	3.711	47.05	9.353	22.03	138.7	4452.
#2	4.046	47.52	9.815	21.94	148.2	4469.
#3	4.087	48.12	9.657	21.64	137.1	4536.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4426.**	**14.76**	**4467.**	**39.25**	**8.723**	**18.15**
Stddev	29.	.17	36.	.18	1.194	1.35
%RSD	.6609	1.145	.7976	.4689	13.69	7.461
#1	4415.	14.65	4431.	39.09	10.08	17.09
#2	4459.	14.96	4502.	39.45	8.259	17.69
#3	4404.	14.68	4468.	39.21	7.830	19.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 13:32:12 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.84**	**21.72**	**45.64**	**30.80**	**44.77**	**17.88**
Stddev	.58	.36	.47	.34	.14	.18
%RSD	3.067	1.673	1.030	1.093	.3161	1.000
#1	18.99	22.14	45.33	30.43	44.69	17.75
#2	18.21	21.49	46.18	30.86	44.93	18.08
#3	19.34	21.53	45.41	31.09	44.69	17.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.59**	**19.16**	**19.35**	F **24.77**
Stddev	.95	.11	.07	2.64
%RSD	1.991	.5622	.3394	10.65
#1	47.30	19.07	19.35	26.52
#2	48.65	19.13	19.42	21.74
#3	46.83	19.28	19.29	26.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4187.5**	**29758.**	**3537.1**
Stddev	3.4	86.	21.3
%RSD	.08100	.28941	.60264
#1	4184.0	29714.	3551.4
#2	4190.7	29857.	3547.3
#3	4187.8	29703.	3512.6

Sample Name: 460-118946-a-12-g@4 Acquired: 8/25/2016 13:36:12 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**66610.**	**23.26**	**2.747**	**410.1**	**3.213**	**5163.**
Stddev	912.	.60	.460	.5	.104	29.
%RSD	1.369	2.600	16.74	.1258	3.242	.5571
#1	65580.	23.95	3.058	409.5	3.093	5161.
#2	66940.	22.85	2.218	410.5	3.283	5136.
#3	67310.	22.97	2.964	410.2	3.263	5193.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9921**	**25.18**	**116.1**	**58.23**	**84370.**	**4144.**
Stddev	.1622	.35	1.4	.85	387.	67.
%RSD	16.34	1.387	1.165	1.454	.4584	1.606
#1	-.9540	24.83	115.1	57.27	84730.	4068.
#2	-.8525	25.18	115.5	58.54	83960.	4172.
#3	-1.170	25.53	117.6	58.88	84400.	4192.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10950.**	**1842.**	**356.0**	**49.43**	**129.8**	**2.921**
Stddev	103.	6.	17.3	.67	.4	.706
%RSD	.9394	.3276	4.866	1.361	.3296	24.15
#1	10900.	1845.	336.6	48.67	129.3	3.284
#2	10890.	1835.	369.9	49.96	130.2	3.371
#3	11070.	1846.	361.4	49.64	129.8	2.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-12-g@4 Acquired: 8/25/2016 13:36:12 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.310**	**5.183**	**146.7**	**166.9**	**25.07**	**2.936**
Stddev	.438	2.406	1.5	1.0	.30	.509
%RSD	33.43	46.41	1.043	.6273	1.192	17.34
#1	1.810	3.155	146.2	166.1	25.09	2.387
#2	1.124	4.554	145.6	166.4	24.76	3.028
#3	.9956	7.841	148.5	168.1	25.36	3.393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.711**	**58.38**	**1196.**	**1092.**
Stddev	.760	.87	2.	23.
%RSD	28.06	1.492	.1389	2.143
#1	1.969	57.37	1196.	1065.
#2	2.675	58.85	1195.	1106.
#3	3.489	58.91	1198.	1106.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4268.1**	**30372.**	**3717.0**
Stddev	4.8	342.	10.5
%RSD	.11192	1.1268	.28357
#1	4263.2	29998.	3708.5
#2	4272.7	30670.	3728.8
#3	4268.3	30449.	3713.7

Sample Name: 460-118946-a-16-g@4 Acquired: 8/25/2016 13:40:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**58060.**	**21.90**	**1.918**	**317.7**	**3.406**	**5829.**
Stddev	381.	1.89	.037	1.0	.076	45.
%RSD	.6567	8.621	1.909	.3279	2.242	.7645
#1	58480.	20.83	1.935	318.3	3.491	5852.
#2	57960.	24.08	1.876	318.2	3.386	5777.
#3	57740.	20.80	1.943	316.5	3.342	5857.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6633**	**32.73**	**98.84**	**88.70**	**84710.**	**5058.**
Stddev	.0494	.25	1.24	.32	467.	63.
%RSD	7.454	.7762	1.258	.3627	.5507	1.245
#1	-.7076	32.88	98.64	88.40	84830.	5126.
#2	-.6100	32.87	97.72	88.67	84190.	5047.
#3	-.6723	32.44	100.2	89.04	85100.	5002.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10710.**	**1087.**	**2087.**	**57.99**	**112.7**	**4.664**
Stddev	51.	6.	13.	.56	2.4	.975
%RSD	.4721	.5499	.6107	.9612	2.124	20.90
#1	10680.	1090.	2088.	57.57	112.1	4.852
#2	10680.	1080.	2100.	58.62	110.6	5.531
#3	10760.	1090.	2074.	57.77	115.3	3.609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-16-g@4 Acquired: 8/25/2016 13:40:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.983**	**4.299**	**137.3**	**316.5**	**13.82**	**3.680**
Stddev	5.703	1.657	.9	.9	.41	.343
%RSD	287.5	38.55	.6475	.2817	2.936	9.330
#1	1.272	4.109	136.9	316.5	14.23	3.540
#2	8.009	2.745	136.7	317.3	13.82	4.071
#3	-3.331	6.044	138.3	315.5	13.42	3.429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.412**	**77.65**	**1561.**	**1003.**
Stddev	.379	.44	10.	12.
%RSD	26.82	.5633	.6140	1.180
#1	-1.093	77.61	1570.	993.7
#2	-1.830	78.11	1551.	1016.
#3	-1.312	77.24	1563.	999.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4268.6**	**30785.**	**3750.3**
Stddev	18.2	282.	74.0
%RSD	.42728	.91748	1.9740
#1	4255.4	30506.	3665.2
#2	4260.9	31070.	3800.2
#3	4289.4	30778.	3785.5

Sample Name: 460-118946-a-17-i@4 Acquired: 8/25/2016 13:43:56 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52590.**	**16.10**	**1.942**	**299.0**	**2.838**	**3428.**
Stddev	742.	1.65	.160	3.9	.117	70.
%RSD	1.411	10.27	8.261	1.300	4.140	2.038
#1	52990.	17.94	1.800	301.9	2.753	3462.
#2	53040.	15.60	2.116	300.6	2.788	3475.
#3	51730.	14.75	1.909	294.6	2.972	3348.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8561**	**22.66**	**95.66**	**28.63**	**76590.**	**2840.**
Stddev	.1150	.54	1.60	.41	1666.	54.
%RSD	13.43	2.395	1.669	1.420	2.175	1.901
#1	-.9262	22.64	95.64	28.60	77630.	2854.
#2	-.9187	23.21	97.26	29.04	77480.	2885.
#3	-.7234	22.12	94.07	28.23	74670.	2780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7451.**	**771.5**	**259.8**	**42.15**	**66.72**	**2.742**
Stddev	102.	15.8	21.8	.49	1.59	1.376
%RSD	1.365	2.041	8.393	1.171	2.384	50.20
#1	7502.	780.9	240.7	42.33	68.12	2.623
#2	7518.	780.2	283.6	42.53	67.03	4.174
#3	7334.	753.3	255.3	41.59	64.99	1.428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-17-i@4 Acquired: 8/25/2016 13:43:56 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2104**	**2.708**	**110.4**	**122.6**	**8.240**	**1.926**
Stddev	.9375	2.406	1.1	1.9	.346	.334
%RSD	445.6	88.85	1.037	1.549	4.200	17.34
#1	.6154	3.844	110.9	124.2	8.625	2.279
#2	-1.230	-.0556	111.2	123.0	7.956	1.884
#3	-.0170	4.337	109.1	120.5	8.138	1.615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4214**	**44.33**	**743.5**	**980.7**
Stddev	.6706	.78	16.3	17.5
%RSD	159.1	1.752	2.196	1.780
#1	.2288	44.79	753.7	963.6
#2	-.3825	44.76	752.0	998.5
#3	-1.111	43.43	724.6	980.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4275.2**	**30675.**	**3756.3**
Stddev	61.1	430.	47.7
%RSD	1.4282	1.4014	1.2703
#1	4226.2	30373.	3723.4
#2	4255.7	30484.	3734.6
#3	4343.6	31167.	3811.0

Sample Name: 460-118946-a-18-g@4 Acquired: 8/25/2016 13:47:48 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54520.**	**20.18**	**2.060**	**186.5**	**3.373**	**3500.**
Stddev	135.	.78	.044	.2	.028	5.
%RSD	.2472	3.847	2.118	.1144	.8387	.1569
#1	54370.	21.06	2.071	186.7	3.386	3496.
#2	54590.	19.58	2.097	186.3	3.340	3498.
#3	54610.	19.91	2.012	186.4	3.392	3506.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.151**	**31.51**	**104.5**	**44.65**	**98520.**	**3437.**
Stddev	.008	.18	.3	.47	186.	13.
%RSD	.7039	.5631	.2590	1.041	.1887	.3805
#1	-1.156	31.31	104.5	44.12	98360.	3422.
#2	-1.141	31.65	104.8	44.86	98490.	3447.
#3	-1.155	31.57	104.3	44.98	98730.	3442.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10920.**	**1282.**	**497.3**	**51.89**	**54.93**	**3.443**
Stddev	106.	1.	1.2	.25	.95	1.600
%RSD	.9704	.0964	.2422	.4890	1.736	46.46
#1	10840.	1281.	496.0	51.79	55.52	1.778
#2	10870.	1282.	497.8	51.70	55.44	4.968
#3	11040.	1283.	498.3	52.17	53.83	3.584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-18-g@4 Acquired: 8/25/2016 13:47:48 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3813**	**4.388**	**144.2**	**144.5**	**8.205**	**3.074**
Stddev	2.810	.982	1.4	.8	.513	.330
%RSD	737.0	22.39	.9642	.5333	6.252	10.72
#1	2.812	3.486	143.8	143.6	8.143	2.835
#2	-2.478	4.241	143.0	145.0	8.747	3.450
#3	-1.479	5.435	145.7	144.9	7.726	2.936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-5.722**	**31.78**	**2052.**	**983.9**
Stddev	.462	.15	2.	14.8
%RSD	8.064	.4613	.1056	1.508
#1	-5.471	31.63	2051.	968.0
#2	-6.255	31.92	2054.	986.3
#3	-5.441	31.80	2050.	997.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.2**	**30695.**	**3723.7**
Stddev	15.0	81.	7.4
%RSD	.35215	.26409	.19952
#1	4247.6	30614.	3729.9
#2	4258.7	30776.	3715.5
#3	4277.3	30694.	3725.7

Sample Name: 460-118946-a-22-g@4 Acquired: 8/25/2016 13:51:40 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**55860.**	**25.25**	**2.584**	**286.5**	**4.083**	**5743.**
Stddev	314.	1.83	.412	.5	.047	61.
%RSD	.5619	7.257	15.96	.1883	1.138	1.070
#1	55530.	25.54	2.377	286.0	4.125	5673.
#2	56150.	26.92	2.317	287.0	4.033	5773.
#3	55910.	23.29	3.059	286.6	4.090	5785.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8681**	**29.63**	**111.3**	**47.83**	**102900.**	**5105.**
Stddev	.2526	.08	1.3	.38	702.	32.
%RSD	29.09	.2600	1.128	.7911	.6824	.6318
#1	-.7691	29.67	109.9	47.55	102100.	5068.
#2	-.6801	29.67	112.2	48.26	103500.	5128.
#3	-1.155	29.54	111.9	47.68	103000.	5119.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10230.**	**1244.**	**529.6**	**56.77**	**106.5**	**1.815**
Stddev	122.	8.	7.5	.82	1.0	.881
%RSD	1.197	.6101	1.410	1.441	.9605	48.55
#1	10090.	1236.	525.2	56.23	105.8	2.562
#2	10320.	1251.	538.2	57.71	107.7	2.038
#3	10270.	1246.	525.4	56.37	106.1	.8432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118946-a-22-g@4 Acquired: 8/25/2016 13:51:40 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.490**	**4.313**	**126.4**	**192.9**	**10.12**	**2.572**
Stddev	.892	1.110	1.2	1.5	.52	.370
%RSD	35.83	25.74	.9291	.7546	5.157	14.39
#1	-2.443	3.230	125.1	191.2	9.557	2.932
#2	-3.404	5.448	127.3	193.9	10.23	2.593
#3	-1.622	4.261	126.9	193.6	10.59	2.192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.626**	**67.53**	**980.8**	**1342.**
Stddev	.920	.20	1.7	8.
%RSD	35.04	.2920	.1746	.6189
#1	2.689	67.39	978.8	1338.
#2	1.676	67.75	981.9	1337.
#3	3.513	67.43	981.6	1352.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4290.4**	**31081.**	**3824.3**
Stddev	5.2	170.	71.7
%RSD	.12023	.54732	1.8748
#1	4293.9	31272.	3906.7
#2	4284.4	30944.	3776.0
#3	4292.7	31027.	3790.2

Sample Name: 460-118810-g-3-a@4 Acquired: 8/25/2016 13:55:32 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32480.**	**19.33**	**2.658**	**183.0**	**1.526**	**11110.**
Stddev	106.	1.84	.070	.3	.144	53.
%RSD	.3276	9.521	2.615	.1677	9.461	.4794
#1	32360.	21.37	2.664	182.7	1.690	11050.
#2	32510.	17.78	2.724	182.9	1.471	11130.
#3	32570.	18.85	2.585	183.3	1.417	11160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4133**	**27.85**	**92.87**	**95.74**	**78700.**	**5222.**
Stddev	.1178	.14	.37	.95	58.	55.
%RSD	28.50	.4959	.3957	.9902	.0731	1.051
#1	-.4072	27.71	93.17	94.81	78650.	5159.
#2	-.2986	27.84	92.46	96.71	78680.	5247.
#3	-.5340	27.99	92.97	95.71	78760.	5260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14790.**	**852.4**	**2360.**	**58.75**	**91.03**	**3.228**
Stddev	100.	1.0	8.	.86	1.65	1.050
%RSD	.6785	.1229	.3406	1.463	1.813	32.55
#1	14680.	852.3	2353.	58.10	89.71	3.094
#2	14850.	853.4	2357.	58.42	90.49	2.250
#3	14850.	851.4	2369.	59.72	92.88	4.339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118810-g-3-a@4 Acquired: 8/25/2016 13:55:32 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.971**	**4.060**	**98.69**	**254.9**	**27.05**	**2.672**
Stddev	2.597	1.029	1.03	1.8	1.01	.665
%RSD	131.8	25.35	1.048	.6901	3.717	24.87
#1	1.815	5.196	97.57	253.2	26.06	2.747
#2	-.5455	3.191	99.62	255.0	28.07	3.296
#3	4.642	3.792	98.87	256.7	27.03	1.974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.171**	**59.26**	**927.5**	**695.0**
Stddev	.617	.13	1.8	30.9
%RSD	10.00	.2227	.1944	4.454
#1	6.848	59.18	925.5	677.6
#2	5.641	59.41	929.1	730.8
#3	6.024	59.18	927.9	676.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4165.7**	**29955.**	**3605.6**
Stddev	11.7	199.	82.4
%RSD	.28198	.66461	2.2851
#1	4160.2	29795.	3654.9
#2	4157.8	29891.	3651.5
#3	4179.2	30177.	3510.5

Sample Name: pds 480-104882-c-3-f Acquired: 8/25/2016 13:59:24 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40920.**	**1956.**	**49.42**	**2248.**	**52.86**	**25540.**
Stddev	142.	9.	.63	3.	.07	119.
%RSD	.3467	.4553	1.280	.1418	.1324	.4659
#1	40990.	1964.	49.36	2250.	52.84	25670.
#2	40760.	1946.	48.82	2250.	52.94	25440.
#3	41010.	1957.	50.08	2244.	52.81	25500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.93**	**518.2**	**285.2**	**358.9**	**67340.**	**24140.**
Stddev	.18	1.6	1.4	2.2	311.	34.
%RSD	.3571	.3141	.4744	.6003	.4615	.1401
#1	49.78	520.1	286.2	358.8	67700.	24140.
#2	49.88	517.6	283.6	356.9	67150.	24110.
#3	50.12	517.0	285.7	361.2	67170.	24170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31280.**	**1413.**	**22780.**	**560.9**	**1033.**	**461.8**
Stddev	139.	5.	43.	1.6	5.	1.9
%RSD	.4432	.3419	.1898	.2787	.4710	.4092
#1	31440.	1419.	22830.	559.6	1038.	463.3
#2	31170.	1409.	22750.	562.6	1030.	459.6
#3	31250.	1412.	22750.	560.4	1029.	462.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 480-104882-c-3-f Acquired: 8/25/2016 13:59:24 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1884.**	**1988.**	**617.5**	**1105.**	**498.4**	**489.9**
Stddev	7.	3.	2.0	5.	1.8	2.3
%RSD	.3650	.1414	.3242	.4459	.3698	.4721
#1	1887.	1990.	619.7	1111.	497.3	488.7
#2	1877.	1985.	615.9	1102.	497.3	488.5
#3	1889.	1988.	616.7	1103.	500.5	492.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**538.5**	**567.2**	**2503.**	**1343.**
Stddev	1.2	.1	4.	18.
%RSD	.2263	.0197	.1788	1.351
#1	538.6	567.1	2508.	1334.
#2	537.2	567.3	2500.	1332.
#3	539.6	567.2	2501.	1364.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4140.3**	**29536.**	**3610.0**
Stddev	13.9	207.	29.9
%RSD	.33521	.69953	.82852
#1	4124.3	29354.	3579.0
#2	4148.9	29760.	3638.7
#3	4147.7	29493.	3612.2

Sample Name: 480-104882-c-3-h ms Acquired: 8/25/2016 14:03:03 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42430.**	**1000.**	**25.11**	**1291.**	**27.21**	**16740.**
Stddev	153.	1.	.36	2.	.10	71.
%RSD	.3612	.1296	1.453	.1736	.3659	.4262
#1	42340.	999.3	25.30	1292.	27.24	16670.
#2	42610.	1000.	24.68	1289.	27.29	16740.
#3	42350.	1002.	25.33	1293.	27.10	16820.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.13**	**277.0**	**184.6**	**265.3**	**66470.**	**14800.**
Stddev	.26	1.3	2.1	1.6	119.	87.
%RSD	1.007	.4667	1.133	.6174	.1788	.5903
#1	25.88	275.8	182.8	265.0	66340.	14740.
#2	26.40	276.8	184.1	263.8	66530.	14900.
#3	26.12	278.3	186.9	267.0	66560.	14770.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20600.**	**1610.**	**13300.**	**313.5**	**1213.**	**159.3**
Stddev	73.	4.	49.	2.9	9.	1.0
%RSD	.3529	.2426	.3648	.9327	.7612	.6420
#1	20560.	1608.	13250.	311.8	1205.	158.5
#2	20560.	1609.	13350.	311.8	1211.	160.4
#3	20690.	1615.	13290.	316.8	1223.	158.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 480-104882-c-3-h ms Acquired: 8/25/2016 14:03:03 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**935.0**	**998.4**	**377.5**	**1353.**	**251.2**	**248.7**
Stddev	1.9	9.6	3.3	2.	1.8	2.9
%RSD	.2061	.9605	.8716	.1297	.7028	1.151
#1	933.1	987.3	374.4	1351.	251.8	246.4
#2	935.0	1004.	377.2	1352.	249.2	247.8
#3	936.9	1004.	381.0	1354.	252.6	251.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**281.3**	**326.7**	**2144.**	**1749.**
Stddev	3.4	1.0	4.	22.
%RSD	1.225	.3007	.1702	1.262
#1	279.2	326.2	2142.	1725.
#2	279.5	327.8	2142.	1753.
#3	285.3	325.9	2148.	1768.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4161.1**	**29769.**	**3649.2**
Stddev	13.0	89.	27.1
%RSD	.31257	.30019	.74333
#1	4146.3	29677.	3624.2
#2	4170.6	29856.	3645.4
#3	4166.4	29772.	3678.0

Sample Name: 480-104882-c-3-g du Acquired: 8/25/2016 14:06:48 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37910.**	**38.10**	**1.527**	**247.5**	**1.757**	**6439.**
Stddev	192.	.63	.846	1.2	.140	43.
%RSD	.5068	1.645	55.36	.4662	7.967	.6652
#1	38130.	37.40	2.481	248.8	1.895	6472.
#2	37830.	38.27	.8679	246.8	1.760	6390.
#3	37780.	38.62	1.233	246.9	1.615	6453.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6359**	**23.27**	**90.61**	**110.8**	**61290.**	**5082.**
Stddev	.0921	.18	.18	1.0	379.	22.
%RSD	14.48	.7724	.1961	.9157	.6189	.4408
#1	.7151	23.42	90.44	111.8	61620.	5108.
#2	.6579	23.07	90.59	109.8	60870.	5072.
#3	.5348	23.31	90.80	110.9	61360.	5067.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13390.**	**717.5**	**4015.**	**64.03**	**539.1**	**3.746**
Stddev	53.	4.4	7.	.17	2.0	1.440
%RSD	.3969	.6154	.1685	.2672	.3695	38.45
#1	13400.	720.7	4023.	64.10	541.1	4.874
#2	13340.	712.4	4010.	63.84	539.0	4.241
#3	13440.	719.3	4013.	64.16	537.1	2.124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 480-104882-c-3-g du Acquired: 8/25/2016 14:06:48 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8392**	**3.910**	**127.4**	**662.6**	**19.65**	**12.78**
Stddev	2.048	1.496	.9	.2	.70	.07
%RSD	244.0	38.25	.7456	.0308	3.545	.5661
#1	1.441	2.546	128.4	662.6	20.44	12.86
#2	-2.521	5.510	126.6	662.8	19.40	12.75
#3	-1.437	3.676	127.1	662.4	19.11	12.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**21.22**	**60.27**	**1793.**	**1231.**
Stddev	.75	.26	12.	23.
%RSD	3.518	.4234	.6839	1.853
#1	21.29	60.56	1805.	1204.
#2	20.44	60.11	1780.	1247.
#3	21.93	60.13	1793.	1240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4223.8**	**30332.**	**3675.2**
Stddev	24.2	234.	43.6
%RSD	.57301	.77166	1.1875
#1	4195.9	30085.	3624.8
#2	4237.1	30550.	3701.1
#3	4238.5	30361.	3699.8

Sample Name: lcssrm 460-386719/2- Acquired: 8/25/2016 14:10:40 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27620.**	**279.9**	**264.5**	**528.6**	**346.1**	**30580.**
Stddev	349.	2.2	1.1	.5	4.7	189.
%RSD	1.262	.7779	.4187	.0969	1.372	.6185
#1	27220.	278.2	263.3	529.1	340.7	30780.
#2	27780.	279.1	265.1	528.7	348.9	30570.
#3	27860.	282.3	265.3	528.1	348.8	30400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**394.7**	**309.5**	**325.4**	**271.9**	**65590.**	**10140.**
Stddev	2.5	.6	3.3	2.5	160.	126.
%RSD	.6339	.2074	1.002	.9342	.2436	1.243
#1	396.2	309.2	329.0	269.3	65740.	9997.
#2	391.8	309.2	324.6	272.0	65610.	10220.
#3	396.2	310.3	322.6	274.4	65420.	10210.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11310.**	**1319.**	**4210.**	**324.9**	**448.6**	**733.3**
Stddev	70.	3.	50.	.5	.5	6.7
%RSD	.6216	.2485	1.192	.1581	.1072	.9137
#1	11370.	1321.	4154.	325.1	448.2	726.1
#2	11330.	1321.	4222.	324.4	448.6	739.4
#3	11230.	1316.	4252.	325.3	449.1	734.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-386719/2- Acquired: 8/25/2016 14:10:40 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**389.9**	**947.8**	**263.1**	**1006.**	**399.3**	**296.4**
Stddev	3.2	7.7	1.0	5.	4.5	1.3
%RSD	.8141	.8075	.3986	.5274	1.123	.4530
#1	387.7	939.4	262.9	1012.	394.4	295.0
#2	388.4	949.6	264.3	1003.	400.3	297.7
#3	393.5	954.4	262.2	1003.	403.2	296.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**855.5**	**431.5**	**1228.**	**1817.**
Stddev	1.6	6.3	2.	40.
%RSD	.1823	1.467	.1287	2.182
#1	854.0	424.2	1226.	1773.
#2	857.1	435.0	1229.	1848.
#3	855.5	435.3	1228.	1831.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4180.4**	**30071.**	**3650.5**
Stddev	11.2	299.	25.0
%RSD	.26719	.99479	.68403
#1	4167.5	29784.	3631.3
#2	4187.0	30049.	3641.5
#3	4186.7	30381.	3678.7

Sample Name: CCV Acquired: 8/25/2016 14:14:23 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121500.**	**2425.**	**1213.**	**9890.**	**995.2**	**121700.**
Stddev	699.	4.	1.	4.	5.0	331.
%RSD	.5751	.1444	.0900	.0382	.5058	.2717
#1	120800.	2421.	1214.	9890.	989.6	121600.
#2	121600.	2424.	1214.	9887.	996.4	121400.
#3	122200.	2428.	1212.	9894.	999.5	122000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1231.**	**2449.**	**4942.**	**12120.**	**98010.**	**48810.**
Stddev	2.	2.	12.	6.	243.	249.
%RSD	.1642	.0991	.2501	.0474	.2482	.5091
#1	1228.	2446.	4943.	12130.	97950.	48530.
#2	1231.	2449.	4929.	12120.	97800.	48990.
#3	1232.	2451.	4953.	12120.	98280.	48910.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121600.**	**4979.**	**122900.**	**2476.**	**7384.**	**968.1**
Stddev	265.	7.	501.	3.	11.	1.0
%RSD	.2183	.1461	.4079	.1208	.1457	.0987
#1	121500.	4977.	122400.	2473.	7378.	968.0
#2	121300.	4973.	123100.	2476.	7378.	969.1
#3	121900.	4987.	123300.	2479.	7397.	967.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 14:14:23 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2423.**	**2478.**	**2421.**	**2468.**	**973.7**	**2401.**
Stddev	10.	8.	9.	7.	2.0	2.
%RSD	.4096	.3419	.3778	.2995	.2052	.0873
#1	2416.	2483.	2417.	2462.	973.4	2398.
#2	2419.	2468.	2415.	2466.	971.9	2401.
#3	2435.	2482.	2431.	2476.	975.9	2402.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**973.6**	**5014.**	**9965.**	**9597.**
Stddev	1.0	24.	7.	89.
%RSD	.0997	.4704	.0717	.9282
#1	972.5	4987.	9963.	9508.
#2	973.9	5025.	9959.	9686.
#3	974.4	5030.	9973.	9596.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3941.3**	**28354.**	**3489.8**
Stddev	8.1	88.	30.5
%RSD	.20513	.31133	.87262
#1	3950.0	28412.	3499.8
#2	3939.7	28398.	3514.1
#3	3934.1	28252.	3455.7

Sample Name: CCB Acquired: 8/25/2016 14:17:58 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.310**	**-1.108**	**.0709**	**.0158**	**-.0111**	**-4.369**
Stddev	11.81	1.971	.2011	.3394	.0872	3.227
%RSD	511.0	177.9	283.4	2145.	788.9	73.86
#1	-13.76	-2.006	.2277	.4077	-.1007	-7.379
#2	9.818	-2.470	.1410	-.1869	-.0059	-4.765
#3	-2.985	1.152	-.1558	-.1733	.0735	-.9622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1371**	**.0932**	**-.0703**	**.1476**	**-.4029**	**17.54**
Stddev	.0796	.1782	.5443	.2453	11.85	19.13
%RSD	58.04	191.2	774.7	166.1	2942.	109.0
#1	.0746	-.0472	-.6564	-.0878	1.243	1.525
#2	.1100	.0332	.0264	.4018	-12.99	12.38
#3	.2267	.2936	.4192	.1289	10.54	38.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.496**	**.0528**	**15.29**	**.5093**	**-.1662**	**.1598**
Stddev	4.341	.1161	24.92	.1379	1.481	1.180
%RSD	290.2	219.9	163.0	27.08	891.1	738.7
#1	-1.949	.0683	43.32	.6051	1.384	-.1867
#2	3.054	.1603	6.856	.3512	-.3164	1.474
#3	-5.591	-.0703	-4.323	.5716	-1.567	-.8084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 14:17:58 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.436**	**.7867**	**-.1147**	**.0296**	**2.223**	**.6673**
Stddev	1.763	2.408	.5944	.0981	.738	.4561
%RSD	72.35	306.1	518.2	331.2	33.18	68.36
#1	1.072	2.217	-.6719	-.0206	3.018	1.188
#2	1.811	-1.994	.5109	-.0332	2.092	.3381
#3	4.427	2.137	-.1831	.1426	1.560	.4758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0172**	**-.0466**	**.2720**	**7.084**
Stddev	.3543	.0544	.0300	11.69
%RSD	2060.	116.8	11.05	165.0
#1	.1105	-.0479	.2500	20.38
#2	.2556	.0085	.3063	2.460
#3	-.4176	-.1003	.2598	-1.586
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4184.2**	**30045.**	**3533.8**
Stddev	10.3	222.	66.0
%RSD	.24696	.73906	1.8673
#1	4190.9	30047.	3458.7
#2	4172.3	30266.	3582.5
#3	4189.3	29821.	3560.3

Sample Name: CCVL Acquired: 8/25/2016 14:22:00 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**179.6**	**14.20**	**8.585**	**191.9**	**1.997**	**4541.**
Stddev	8.0	1.31	.242	.7	.139	54.
%RSD	4.433	9.206	2.819	.3780	6.976	1.194
#1	172.1	15.68	8.767	191.1	2.134	4566.
#2	178.8	13.20	8.679	192.1	2.000	4578.
#3	187.9	13.73	8.311	192.5	1.856	4479.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.910**	**47.67**	**9.383**	**22.63**	**145.6**	**4552.**
Stddev	.108	.43	.089	.53	7.5	61.
%RSD	2.774	.9044	.9453	2.359	5.184	1.345
#1	3.838	47.24	9.427	22.24	141.5	4494.
#2	4.035	47.67	9.281	22.41	154.3	4546.
#3	3.857	48.11	9.442	23.23	141.0	4616.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4455.**	**14.97**	**4502.**	**39.13**	**10.09**	**18.13**
Stddev	30.	.10	54.	.46	1.92	.82
%RSD	.6768	.6643	1.206	1.186	19.00	4.510
#1	4437.	14.86	4462.	39.51	10.65	19.05
#2	4490.	15.05	4481.	38.61	11.66	17.50
#3	4439.	15.00	4564.	39.26	7.951	17.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 14:22:00 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.85**	**20.25**	**45.98**	**30.77**	**45.51**	**17.88**
Stddev	1.61	1.22	.69	.11	.49	.01
%RSD	9.018	6.025	1.498	.3462	1.067	.0841
#1	16.22	20.48	45.24	30.84	45.01	17.87
#2	17.90	18.93	46.60	30.83	45.53	17.89
#3	19.44	21.33	46.10	30.65	45.98	17.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.77**	**19.57**	**19.51**	F **4.389**
Stddev	.23	.16	.22	9.556
%RSD	.4738	.8080	1.144	217.8
#1	47.54	19.45	19.25	-6.504
#2	47.76	19.52	19.63	11.36
#3	48.00	19.75	19.64	8.306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4159.2**	**29651.**	**3516.2**
Stddev	7.9	285.	60.7
%RSD	.19094	.96154	1.7262
#1	4168.4	29485.	3473.8
#2	4154.6	29487.	3489.1
#3	4154.7	29980.	3585.8

Sample Name: mb 460-386719/1-a@2 Acquired: 8/25/2016 14:26:00 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-15.61**	**-.2851**	**.0896**	**.0491**	**.0155**	**-12.64**
Stddev	21.18	1.945	.1441	.0927	.0218	5.36
%RSD	135.7	682.1	160.8	189.0	141.0	42.41
#1	-11.15	-2.106	.1433	.1561	.0222	-7.894
#2	-38.66	-.5119	-.0736	-.0067	-.0089	-11.57
#3	2.984	1.763	.1992	-.0022	.0331	-18.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1502**	**-.0472**	**-.5834**	**-.0469**	**3.429**	**21.55**
Stddev	.0598	.1007	.4835	.8189	6.064	8.95
%RSD	39.84	213.3	82.87	1746.	176.8	41.53
#1	.1169	-.1056	-.8318	-.4978	9.900	23.13
#2	.2193	.0691	-.8923	-.5412	-2.123	11.91
#3	.1144	-.1051	-.0262	.8983	2.510	29.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.134**	**.0263**	**-5.092**	**.7223**	**-1.332**	**1.174**
Stddev	3.953	.0815	13.45	.5075	1.120	.813
%RSD	185.2	309.9	264.1	70.27	84.10	69.27
#1	1.077	.0146	8.093	1.308	-2.527	.8115
#2	-.9310	-.0487	-18.79	.4358	-1.160	2.105
#3	-6.549	.1130	-4.579	.4228	-.3074	.6046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386719/1-a@2 Acquired: 8/25/2016 14:26:00 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.457**	**1.910**	**.0468**	**.0235**	**.3539**	**.2839**
Stddev	1.276	3.014	.2834	.0262	.0689	.3153
%RSD	51.93	157.8	605.1	111.7	19.47	111.0
#1	-2.364	5.155	-.1473	.0149	.3837	.0591
#2	-3.777	1.378	-.0842	.0026	.4028	.1484
#3	-1.230	-.8027	.3721	.0529	.2751	.6443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3337**	**.0215**	**.0823**	**17.24**
Stddev	.2630	.0238	.0216	4.61
%RSD	78.82	110.8	26.23	26.73
#1	.4644	.0445	.1071	14.35
#2	.0309	.0229	.0684	22.55
#3	.5057	-.0030	.0713	14.81
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.7**	**29569.**	**3461.4**
Stddev	18.6	404.	49.3
%RSD	.44762	1.3671	1.4247
#1	4150.8	30021.	3510.4
#2	4136.8	29444.	3462.1
#3	4173.6	29242.	3411.8

Sample Name: 480-104882-c-3-f@4 Acquired: 8/25/2016 14:30:01 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39240.**	**32.92**	**1.606**	**238.4**	**1.952**	**6726.**
Stddev	134.	.15	.626	.7	.222	17.
%RSD	.3421	.4490	39.01	.2847	11.36	.2563
#1	39090.	33.08	2.218	237.6	1.835	6742.
#2	39320.	32.78	1.634	238.5	1.813	6729.
#3	39320.	32.91	.9659	239.0	2.207	6708.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3654**	**21.07**	**84.00**	**120.0**	**67550.**	**5398.**
Stddev	.3057	.17	1.02	.5	180.	15.
%RSD	83.66	.8110	1.215	.4404	.2661	.2694
#1	.0561	20.90	84.36	119.8	67750.	5413.
#2	.3727	21.07	82.85	119.6	67400.	5398.
#3	.6673	21.24	84.79	120.6	67480.	5383.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12830.**	**922.8**	**3865.**	**56.04**	**555.7**	**4.674**
Stddev	17.	3.4	21.	.42	2.0	.897
%RSD	.1292	.3665	.5484	.7535	.3616	19.19
#1	12830.	926.7	3842.	56.45	556.4	3.832
#2	12810.	921.0	3869.	56.06	553.4	4.572
#3	12850.	920.7	3884.	55.60	557.2	5.617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 480-104882-c-3-f@4 Acquired: 8/25/2016 14:30:01 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.765**	**4.883**	**133.3**	**624.4**	**19.13**	**12.44**
Stddev	3.279	2.537	.4	3.3	.57	.20
%RSD	185.8	51.96	.3171	.5244	2.955	1.644
#1	4.440	1.953	133.1	623.8	19.60	12.66
#2	2.749	6.382	132.9	621.5	19.28	12.42
#3	-1.893	6.314	133.7	628.0	18.50	12.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**29.55**	**62.40**	**2022.**	**1300.**
Stddev	.77	.08	7.	13.
%RSD	2.595	.1360	.3620	1.033
#1	29.23	62.31	2031.	1288.
#2	30.42	62.41	2018.	1298.
#3	28.99	62.48	2018.	1315.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.4**	**29736.**	**3603.9**
Stddev	24.7	244.	29.2
%RSD	.59612	.82206	.81019
#1	4123.9	29473.	3593.1
#2	4173.3	29776.	3581.6
#3	4151.1	29957.	3637.0

Sample Name: sd 480-104882-c-3-f Acquired: 8/25/2016 14:33:52 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7607.**	**7.383**	**.0881**	**46.42**	**.4948**	**1291.**
Stddev	15.	.519	.3173	.10	.0394	23.
%RSD	.1976	7.025	360.1	.2232	7.957	1.763
#1	7595.	7.982	.1605	46.33	.4519	1304.
#2	7624.	7.078	.3629	46.38	.5032	1305.
#3	7602.	7.089	-.2591	46.53	.5293	1265.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1683**	**4.243**	**15.51**	**22.65**	**13410.**	**1060.**
Stddev	.0370	.041	.42	.91	123.	5.
%RSD	21.97	.9552	2.703	4.023	.9168	.4980
#1	.1671	4.196	15.53	21.61	13270.	1059.
#2	.1320	4.264	15.91	23.07	13480.	1066.
#3	.2059	4.268	15.07	23.28	13490.	1056.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2478.**	**183.5**	**721.2**	**11.50**	**107.3**	**1.847**
Stddev	16.	1.4	2.1	.31	2.3	1.639
%RSD	.6392	.7429	.2880	2.660	2.182	88.78
#1	2460.	181.9	722.1	11.29	104.8	.8420
#2	2486.	184.0	722.6	11.85	109.4	3.738
#3	2488.	184.5	718.8	11.36	107.8	.9594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 480-104882-c-3-f Acquired: 8/25/2016 14:33:52 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1974**	**3.118**	**25.68**	**122.8**	**3.449**	**2.545**
Stddev	1.122	1.513	.80	.1	.346	.509
%RSD	568.4	48.52	3.107	.0845	10.04	20.00
#1	-.1918	3.993	24.90	122.7	3.679	2.225
#2	1.462	1.371	25.66	122.9	3.050	2.277
#3	-.6781	3.990	26.49	122.8	3.616	3.132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.904**	**12.01**	**387.5**	**263.7**
Stddev	1.246	.08	.9	16.1
%RSD	21.11	.6772	.2270	6.103
#1	4.466	11.92	386.9	245.5
#2	6.586	12.07	388.5	276.0
#3	6.661	12.04	387.1	269.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4181.3**	**30017.**	**3611.6**
Stddev	4.3	124.	42.4
%RSD	.10269	.41257	1.1734
#1	4186.2	29875.	3591.6
#2	4179.1	30100.	3583.0
#3	4178.5	30077.	3660.3

Sample Name: 460-119047-e-3-a@4 Acquired: 8/25/2016 14:37:47 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10350.**	**3.344**	**.5397**	**15.00**	**.2934**	**186.5**
Stddev	49.	1.057	.3719	.37	.0814	11.3
%RSD	.4731	31.60	68.91	2.486	27.76	6.057
#1	10290.	2.156	.7908	14.97	.2630	173.6
#2	10370.	3.697	.7159	15.39	.3856	194.2
#3	10380.	4.179	.1124	14.65	.2315	191.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2728**	**2.358**	**14.89**	**6.789**	**10420.**	**255.5**
Stddev	.0992	.257	.91	.386	88.	16.4
%RSD	36.38	10.89	6.079	5.678	.8465	6.421
#1	-.1617	2.073	15.55	7.045	10320.	239.3
#2	-.3528	2.572	15.26	6.346	10450.	272.1
#3	-.3039	2.428	13.85	6.977	10490.	255.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**589.7**	**41.24**	**16.28**	**7.821**	**9.526**	**.0608**
Stddev	5.3	.53	6.05	.604	.817	.7400
%RSD	.9015	1.283	37.17	7.716	8.574	1217.
#1	586.1	40.64	23.12	7.455	9.495	-.6041
#2	587.2	41.58	11.61	8.518	8.724	.8579
#3	595.8	41.52	14.12	7.490	10.36	-.0715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119047-e-3-a@4 Acquired: 8/25/2016 14:37:47 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.221**	**-.5459**	**25.76**	**35.94**	**1.431**	**1.271**
Stddev	1.104	.8585	.70	.36	.353	.124
%RSD	49.73	157.3	2.727	.9997	24.71	9.744
#1	.9956	-.4904	25.07	35.72	1.117	1.136
#2	3.140	-1.431	25.72	35.75	1.814	1.380
#3	2.527	.2835	26.47	36.36	1.362	1.297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.423**	**1.669**	**269.9**	**812.3**
Stddev	.313	.077	2.1	13.1
%RSD	22.03	4.613	.7766	1.618
#1	1.062	1.758	267.5	802.9
#2	1.583	1.624	270.7	806.8
#3	1.624	1.625	271.5	827.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4168.0**	**30032.**	**3594.1**
Stddev	12.5	47.	34.4
%RSD	.30069	.15709	.95590
#1	4172.4	29987.	3633.8
#2	4177.8	30029.	3575.1
#3	4153.9	30081.	3573.5

Sample Name: 460-118985-a-1-d@4 Acquired: 8/25/2016 14:41:45 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**114500.**	**-1.981**	**4.333**	**135.4**	**2.069**	**83230.**
Stddev	1743.	2.259	.417	.4	.208	348.
%RSD	1.523	114.1	9.627	.2667	10.04	.4177
#1	112500.	-2.837	4.409	135.3	2.309	82960.
#2	115100.	-3.687	4.707	135.2	1.959	83120.
#3	115900.	.5817	3.883	135.8	1.940	83620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6184**	**147.5**	**475.3**	**489.3**	F **239700.**	**1374.**
Stddev	.1615	1.4	.6	1.7	1097.	15.
%RSD	26.11	.9190	.1263	.3377	.4577	1.072
#1	.7221	146.9	474.8	487.5	238700.	1386.
#2	.7007	149.1	476.0	490.7	239600.	1358.
#3	.4323	146.6	475.2	489.7	240900.	1377.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**112200.**	**2942.**	**4009.**	**283.3**	**62.52**	**8.633**
Stddev	501.	11.	77.	3.0	2.72	1.173
%RSD	.4469	.3818	1.915	1.046	4.345	13.59
#1	111800.	2932.	3927.	281.1	59.75	8.226
#2	112100.	2941.	4022.	286.7	62.63	7.717
#3	112800.	2954.	4079.	282.3	65.18	9.956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118985-a-1-d@4 Acquired: 8/25/2016 14:41:45 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.698**	**13.81**	**480.2**	**308.9**	**422.7**	**2.392**
Stddev	.239	.23	2.9	2.2	3.9	.545
%RSD	3.100	1.645	.6017	.7000	.9236	22.81
#1	-7.643	13.73	477.3	306.4	419.0	1.800
#2	-7.491	14.07	480.3	310.3	426.8	2.503
#3	-7.959	13.63	483.1	309.9	422.2	2.874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F **-83.27**	**148.5**	**19870.**	**1701.**
Stddev	.88	1.9	63.	35.
%RSD	1.058	1.294	.3182	2.047
#1	-82.82	146.3	19800.	1668.
#2	-84.29	149.0	19920.	1698.
#3	-82.70	150.1	19890.	1737.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4125.2**	**29926.**	**3645.7**
Stddev	5.6	98.	24.5
%RSD	.13529	.32787	.67275
#1	4121.6	29923.	3664.2
#2	4122.4	30026.	3655.0
#3	4131.6	29830.	3617.9

Sample Name: 480-104882-b-1-f@4 Acquired: 8/25/2016 14:45:39 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33310.**	**30.15**	**2.040**	**193.4**	**1.856**	**8883.**
Stddev	112.	1.57	.571	1.0	.075	71.
%RSD	.3350	5.220	28.00	.5013	4.018	.7966
#1	33360.	31.90	2.697	194.4	1.942	8964.
#2	33190.	29.71	1.758	193.4	1.816	8831.
#3	33390.	28.85	1.664	192.4	1.809	8856.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.848**	**20.56**	**88.89**	**137.7**	**60780.**	**5681.**
Stddev	.112	.09	.45	.8	316.	24.
%RSD	2.900	.4448	.5116	.5600	.5200	.4252
#1	3.724	20.55	89.19	136.8	61140.	5685.
#2	3.940	20.65	89.12	138.0	60600.	5655.
#3	3.879	20.47	88.37	138.3	60590.	5703.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12560.**	**636.3**	**3843.**	**66.64**	**707.7**	**2.795**
Stddev	35.	2.2	16.	.37	2.9	.776
%RSD	.2796	.3396	.4070	.5527	.4111	27.78
#1	12540.	638.8	3825.	66.73	705.2	2.503
#2	12600.	634.9	3852.	66.95	707.0	3.675
#3	12530.	635.2	3852.	66.23	710.8	2.207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 480-104882-b-1-f@4 Acquired: 8/25/2016 14:45:39 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.961**	**2.279**	**121.7**	**1102.**	**36.56**	**14.00**
Stddev	2.914	1.645	1.7	6.	.59	.18
%RSD	73.58	72.19	1.411	.5680	1.608	1.252
#1	7.226	2.729	119.8	1108.	37.22	13.82
#2	3.036	3.653	123.1	1095.	36.37	14.02
#3	1.622	.4561	122.2	1104.	36.09	14.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**26.83**	**72.17**	**1828.**	**1577.**
Stddev	.23	.51	2.	33.
%RSD	.8571	.7008	.0906	2.098
#1	26.58	71.91	1830.	1545.
#2	27.03	71.84	1827.	1577.
#3	26.89	72.75	1828.	1611.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4175.1**	**30069.**	**3634.8**
Stddev	23.8	273.	52.7
%RSD	.56948	.90825	1.4503
#1	4153.0	29759.	3574.2
#2	4200.3	30175.	3661.1
#3	4172.0	30274.	3669.3

Sample Name: 480-104882-b-2-d@4 Acquired: 8/25/2016 14:49:29 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21180.**	**15.58**	**1.414**	**115.7**	**1.797**	**5237.**
Stddev	402.	.46	.404	.2	.135	80.
%RSD	1.900	2.972	28.54	.2157	7.525	1.527
#1	20720.	15.05	1.873	115.7	1.805	5146.
#2	21340.	15.77	1.259	115.4	1.658	5294.
#3	21470.	15.91	1.112	115.9	1.928	5271.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.441**	**15.18**	**57.58**	**127.9**	**51110.**	**3987.**
Stddev	.204	.16	.86	.2	546.	85.
%RSD	8.344	1.031	1.493	.1482	1.069	2.138
#1	2.520	15.16	56.59	128.1	50480.	3890.
#2	2.594	15.35	58.08	127.8	51430.	4050.
#3	2.210	15.03	58.08	127.8	51420.	4021.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8683.**	**440.7**	**3145.**	**44.48**	**488.2**	**3.188**
Stddev	156.	4.9	60.	.40	3.1	.438
%RSD	1.799	1.104	1.908	.8953	.6316	13.72
#1	8507.	435.1	3076.	44.03	484.8	3.336
#2	8734.	443.8	3181.	44.77	490.7	2.696
#3	8807.	443.2	3179.	44.65	489.0	3.532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 480-104882-b-2-d@4 Acquired: 8/25/2016 14:49:29 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.767**	**2.431**	**89.74**	**705.4**	**26.13**	**17.22**
Stddev	4.211	.597	.65	5.2	.33	.54
%RSD	152.2	24.56	.7289	.7420	1.268	3.121
#1	-.8747	2.779	88.99	711.5	25.77	16.86
#2	1.798	2.773	90.08	702.0	26.41	16.96
#3	7.378	1.742	90.16	702.9	26.23	17.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**19.70**	**62.97**	**1231.**	**1271.**
Stddev	.65	.96	5.	24.
%RSD	3.287	1.528	.4403	1.894
#1	18.96	61.87	1224.	1267.
#2	20.00	63.40	1233.	1296.
#3	20.15	63.64	1234.	1248.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4187.1**	**30113.**	**3670.8**
Stddev	16.1	376.	113.8
%RSD	.38445	1.2472	3.1008
#1	4169.9	30544.	3800.9
#2	4189.6	29934.	3621.4
#3	4201.8	29860.	3590.0

Sample Name: pds 460-118892-e-11- Acquired: 8/25/2016 14:53:22 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2005.**	**1981.**	**48.97**	**2130.**	**52.27**	**23980.**
Stddev	17.	4.	.29	2.	.54	89.
%RSD	.8664	.2214	.5836	.1050	1.033	.3701
#1	2009.	1986.	49.03	2128.	52.88	23950.
#2	2020.	1979.	49.22	2131.	52.05	23910.
#3	1986.	1978.	48.66	2132.	51.87	24080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.19**	**501.1**	**208.0**	**264.8**	**1431.**	**20270.**
Stddev	.19	3.0	2.3	1.5	9.	65.
%RSD	.3742	.6033	1.121	.5515	.6103	.3193
#1	51.41	502.1	209.4	263.6	1440.	20340.
#2	51.09	503.4	205.3	264.4	1431.	20230.
#3	51.07	497.6	209.3	266.4	1423.	20240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19380.**	**1310.**	F **286500.**	**509.3**	**516.0**	**461.4**
Stddev	72.	3.	3146.	4.2	3.5	3.1
%RSD	.3714	.2013	1.098	.8180	.6853	.6651
#1	19380.	1309.	290000.	511.4	516.9	459.1
#2	19310.	1309.	285400.	512.0	519.0	464.8
#3	19450.	1313.	284000.	504.5	512.1	460.1
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-118892-e-11- Acquired: 8/25/2016 14:53:22 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2023.**	**1988.**	**494.3**	**576.1**	**517.0**	**483.2**
Stddev	4.	10.	5.3	1.5	.8	1.9
%RSD	.1860	.5249	1.066	.2627	.1589	.3962
#1	2019.	1981.	488.3	574.4	516.1	481.3
#2	2026.	1982.	496.3	576.5	517.6	483.3
#3	2023.	2000.	498.2	577.3	517.4	485.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**516.3**	**539.3**	**503.6**	**501.4**
Stddev	1.1	2.1	.5	14.3
%RSD	.2177	.3850	.0934	2.852
#1	515.0	541.7	503.3	510.4
#2	517.2	537.8	503.3	508.9
#3	516.5	538.6	504.1	484.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.8**	**28967.**	**3511.1**
Stddev	6.8	123.	13.4
%RSD	.16670	.42501	.38265
#1	4062.7	29043.	3512.7
#2	4055.6	29033.	3523.7
#3	4049.2	28825.	3497.0

Sample Name: 460-118892-e-11-I ms Acquired: 8/25/2016 14:57:03 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1062.**	**1010.**	**98.44**	**2169.**	**214.2**	**9050.**
Stddev	6.	7.	.89	4.	.8	24.
%RSD	.5927	.6602	.9022	.1744	.3632	.2624
#1	1064.	1010.	99.12	2171.	213.3	9075.
#2	1067.	1016.	97.44	2172.	214.5	9028.
#3	1055.	1003.	98.76	2165.	214.7	9048.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**216.3**	**217.2**	**1042.**	**228.8**	**634.7**	**4721.**
Stddev	.5	.3	3.	.5	9.5	37.
%RSD	.2321	.1600	.2410	.2400	1.505	.7767
#1	215.7	216.8	1043.	228.5	627.8	4679.
#2	216.6	217.5	1039.	229.4	645.6	4749.
#3	216.6	217.2	1043.	228.5	630.7	4734.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4666.**	**1036.**	F **269000.**	**221.8**	**1052.**	**190.3**
Stddev	7.	1.	962.	.1	3.	1.7
%RSD	.1506	.1063	.3574	.0346	.3023	.9154
#1	4669.	1037.	270100.	221.9	1048.	188.8
#2	4658.	1036.	268700.	221.7	1053.	192.2
#3	4671.	1035.	268200.	221.7	1054.	189.9
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118892-e-11-I ms Acquired: 8/25/2016 14:57:03 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**221.3**	**216.4**	**99.72**	**276.6**	**227.6**	**200.5**
Stddev	4.6	.9	.97	2.3	1.8	1.1
%RSD	2.058	.4293	.9753	.8253	.7801	.5680
#1	216.1	215.8	98.60	274.0	225.5	199.2
#2	223.5	216.0	100.3	277.8	228.7	201.0
#3	224.3	217.5	100.2	278.0	228.4	201.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**205.2**	**237.0**	**214.1**	**455.7**
Stddev	2.0	.2	1.4	28.4
%RSD	.9575	.0688	.6454	6.237
#1	203.5	236.9	213.0	433.2
#2	207.3	236.8	215.7	487.6
#3	204.7	237.1	213.8	446.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4034.0**	**28570.**	**3467.4**
Stddev	15.0	38.	3.9
%RSD	.37100	.13265	.11366
#1	4049.5	28527.	3462.8
#2	4019.7	28585.	3469.8
#3	4032.7	28599.	3469.5

Sample Name: 460-118892-e-11-k du Acquired: 8/25/2016 15:00:50 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**61.10**	**1.086**	**-.0292**	**118.5**	**.1800**	**4926.**
Stddev	14.72	.267	.5891	.1	.0606	48.
%RSD	24.10	24.61	2016.	.0541	33.66	.9719
#1	72.02	1.368	.5065	118.5	.1937	4916.
#2	66.92	1.053	-.6601	118.5	.2325	4884.
#3	44.35	.8368	.0659	118.4	.1137	4978.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2278**	**3.073**	**-.0031**	**21.53**	**415.1**	**597.0**
Stddev	.1459	.109	.7785	.73	11.2	21.0
%RSD	64.05	3.560	24930.	3.385	2.698	3.518
#1	.3910	2.978	.2757	20.85	402.8	607.6
#2	.1824	3.048	-.8826	21.43	417.7	572.8
#3	.1100	3.193	.5976	22.30	424.7	610.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**730.7**	**811.7**	F **262300.**	**2.997**	**11.09**	**.8323**
Stddev	24.8	4.2	362.	.382	1.20	1.641
%RSD	3.388	.5141	.1380	12.74	10.80	197.2
#1	719.0	810.2	262700.	2.973	10.34	-.8417
#2	714.0	808.5	262000.	2.628	12.47	.9002
#3	759.1	816.4	262000.	3.391	10.46	2.438
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118892-e-11-k du Acquired: 8/25/2016 15:00:50 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7368**	**3.252**	**-1.574**	**47.87**	**25.26**	**-.0415**
Stddev	.9159	1.549	.241	.41	.18	.3247
%RSD	124.3	47.64	15.28	.8471	.7199	782.2
#1	-.6077	2.102	-1.679	47.43	25.46	.2063
#2	.1077	5.014	-1.745	47.96	25.09	.0782
#3	-1.710	2.640	-1.299	48.22	25.24	-.4090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8211**	**28.48**	**1.219**	**440.0**
Stddev	1.747	.52	.109	25.2
%RSD	212.7	1.812	8.934	5.719
#1	-1.195	27.88	1.296	441.4
#2	1.892	28.73	1.266	464.4
#3	1.766	28.81	1.095	414.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4060.2**	**29144.**	**3584.6**
Stddev	9.8	250.	56.5
%RSD	.24051	.85775	1.5774
#1	4069.2	29246.	3610.9
#2	4061.7	29327.	3623.3
#3	4049.8	28859.	3519.8

Sample Name: CCV Acquired: 8/25/2016 15:04:50 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121700.**	**2419.**	**1213.**	**9902.**	**1003.**	**122600.**
Stddev	433.	1.	4.	5.	3.	474.
%RSD	.3560	.0454	.2906	.0475	.2608	.3866
#1	121200.	2420.	1209.	9898.	1000.	122100.
#2	122000.	2420.	1216.	9907.	1006.	122600.
#3	121800.	2418.	1215.	9901.	1002.	123000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1233.**	**2446.**	**4979.**	**12120.**	**98750.**	**49010.**
Stddev	1.	5.	12.	1.	460.	204.
%RSD	.1103	.1892	.2457	.0052	.4660	.4153
#1	1232.	2441.	4965.	12120.	98250.	48780.
#2	1235.	2447.	4982.	12120.	98840.	49140.
#3	1233.	2450.	4989.	12120.	99160.	49110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122400.**	**5009.**	**121800.**	**2474.**	**7389.**	**964.8**
Stddev	530.	13.	367.	2.	15.	3.1
%RSD	.4330	.2527	.3012	.0821	.2062	.3185
#1	121900.	4995.	121400.	2473.	7372.	961.8
#2	122600.	5011.	122200.	2477.	7401.	968.0
#3	122900.	5020.	121800.	2473.	7393.	964.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 15:04:50 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2423.**	**2474.**	**2423.**	**2476.**	**971.9**	**2397.**
Stddev	14.	4.	6.	5.	3.3	6.
%RSD	.5641	.1661	.2426	.2118	.3371	.2402
#1	2411.	2472.	2417.	2472.	968.4	2391.
#2	2438.	2479.	2425.	2482.	974.8	2400.
#3	2419.	2471.	2428.	2474.	972.4	2401.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**974.4**	**5015.**	**9986.**	**9476.**
Stddev	3.3	12.	3.	41.
%RSD	.3350	.2400	.0280	.4318
#1	974.0	5010.	9989.	9455.
#2	977.8	5028.	9983.	9524.
#3	971.3	5006.	9986.	9451.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3899.5**	**27805.**	**3379.4**
Stddev	9.7	98.	24.4
%RSD	.24932	.35315	.72222
#1	3900.0	27883.	3406.7
#2	3889.6	27836.	3371.7
#3	3909.0	27695.	3359.7

Sample Name: CCB Acquired: 8/25/2016 15:08:25 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.957**	**-1.424**	**-.5239**	**.2891**	**.0735**	**-19.68**
Stddev	3.936	1.088	.2515	.0789	.1329	8.64
%RSD	49.47	76.41	48.01	27.30	180.7	43.89
#1	-8.862	-1.969	-.2960	.2063	-.0792	-17.09
#2	-11.36	-.1712	-.7937	.3634	.1370	-29.31
#3	-3.647	-2.132	-.4819	.2977	.1628	-12.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0858**	**-.1100**	**-.4408**	**.4437**	**2.470**	**37.46**
Stddev	.1618	.1377	.3517	.1149	2.518	1.42
%RSD	188.6	125.2	79.80	25.90	102.0	3.786
#1	-.0031	-.2651	-.0358	.5270	.6653	35.87
#2	.2726	-.0628	-.6705	.3126	1.397	37.89
#3	-.0120	-.0021	-.6160	.4914	5.346	38.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2164**	**.0452**	**64.46**	**.6961**	**-2.214**	**.5500**
Stddev	2.301	.0457	20.16	.2909	.255	.2528
%RSD	1063.	101.2	31.28	41.79	11.53	45.96
#1	2.441	.0491	84.44	1.010	-2.065	.3863
#2	-1.556	.0888	64.82	.4358	-2.068	.8411
#3	-1.534	-.0024	44.11	.6424	-2.508	.4226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 15:08:25 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.903**	**.4748**	**.2123**	**.0458**	**2.161**	**.5766**
Stddev	2.900	.5784	.9592	.0778	.698	.6029
%RSD	152.4	121.8	451.7	169.7	32.29	104.6
#1	4.883	-.1668	-.3672	.0537	2.859	.8055
#2	-.9102	.6349	-.3153	-.0356	2.162	1.032
#3	1.735	.9562	1.320	.1194	1.463	-.1073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2451**	**-.0627**	**.2742**	**2.837**
Stddev	.4460	.0307	.0969	7.250
%RSD	182.0	49.01	35.34	255.6
#1	-.0825	-.0345	.2833	1.577
#2	.7530	-.0581	.1731	-3.701
#3	.0647	-.0954	.3663	10.63
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4137.0**	**29458.**	**3392.4**
Stddev	17.1	447.	9.3
%RSD	.41406	1.5188	.27513
#1	4145.6	29400.	3395.4
#2	4117.3	29043.	3381.9
#3	4148.1	29932.	3399.8

Sample Name: CCVL Acquired: 8/25/2016 15:12:27 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**171.5**	**14.35**	**9.047**	**190.7**	**1.865**	**4596.**
Stddev	3.8	.79	.644	.9	.066	10.
%RSD	2.232	5.513	7.115	.4461	3.512	.2136
#1	169.6	15.16	8.871	190.8	1.862	4586.
#2	175.9	14.29	9.760	191.5	1.931	4598.
#3	169.0	13.58	8.509	189.8	1.800	4605.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.059**	**47.70**	**8.749**	**22.28**	**152.3**	**4540.**
Stddev	.075	.13	.973	.65	5.9	89.
%RSD	1.861	.2623	11.12	2.896	3.900	1.952
#1	3.993	47.57	9.473	21.71	153.7	4476.
#2	4.141	47.82	9.131	22.98	145.7	4504.
#3	4.043	47.69	7.643	22.16	157.4	4641.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4457.**	**14.96**	**4539.**	**39.62**	**9.196**	**17.99**
Stddev	27.	.19	47.	.24	.694	1.15
%RSD	.6110	1.269	1.030	.6000	7.550	6.385
#1	4442.	14.75	4503.	39.50	8.634	18.10
#2	4488.	15.11	4522.	39.47	9.972	19.09
#3	4441.	15.01	4592.	39.89	8.981	16.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 15:12:27 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.98**	**21.22**	**45.72**	**30.96**	**45.36**	**17.80**
Stddev	2.11	2.26	.91	.35	.52	.27
%RSD	11.11	10.66	1.993	1.133	1.149	1.535
#1	20.59	21.83	44.70	30.60	45.44	17.98
#2	19.76	23.11	46.44	30.97	45.83	17.49
#3	16.59	18.71	46.03	31.30	44.80	17.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**46.79**	**19.40**	**19.48**	F **9.964**
Stddev	1.33	.24	.19	8.381
%RSD	2.835	1.229	.9662	84.11
#1	45.46	19.28	19.41	16.80
#2	46.79	19.25	19.70	12.48
#3	48.11	19.68	19.35	.6139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.2**	**29293.**	**3466.5**
Stddev	6.9	120.	11.9
%RSD	.16693	.41036	.34335
#1	4140.0	29389.	3458.8
#2	4136.7	29158.	3480.2
#3	4150.0	29331.	3460.6

Sample Name: mb 460-386717/1-a Acquired: 8/25/2016 15:16:26 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.620**	**-.4211**	**.0040**	**-.1432**	**.0775**	**-10.23**
Stddev	10.79	.4754	.3355	.1430	.1082	6.91
%RSD	141.6	112.9	8314.	99.86	139.7	67.56
#1	-10.04	-.8690	-.3340	-.2596	-.0419	-14.96
#2	-16.99	-.4720	.3368	.0165	.1050	-2.298
#3	4.174	.0777	.0094	-.1866	.1693	-13.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1736**	**.0335**	**.0650**	**.0857**	**6.414**	**42.39**
Stddev	.1045	.0873	.2423	.3194	3.919	19.70
%RSD	60.20	260.4	372.6	372.5	61.10	46.47
#1	.1941	-.0652	.3446	-.2470	10.86	23.95
#2	.0604	.1003	-.0654	.3898	4.943	63.14
#3	.2664	.0654	-.0842	.1145	3.443	40.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.240**	**-.0016**	**17.18**	**.4345**	**-.8928**	**.4978**
Stddev	2.656	.1285	7.19	.3966	1.484	.9113
%RSD	50.69	8132.	41.82	91.26	166.2	183.0
#1	-8.281	.0871	17.89	.6344	.8091	-.5538
#2	-3.375	-.1489	23.99	.6914	-1.917	.9925
#3	-4.063	.0571	9.668	-.0222	-1.570	1.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386717/1-a Acquired: 8/25/2016 15:16:26 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.108**	**1.064**	**-.4423**	**.0379**	**.2258**	**.0857**
Stddev	1.331	.284	.5525	.1377	.1938	.1993
%RSD	42.84	26.74	124.9	362.8	85.83	232.5
#1	-2.221	1.305	-.2257	-.1058	.3776	-.1166
#2	-2.463	.7500	-.0310	.0510	.0075	.2819
#3	-4.639	1.136	-1.070	.1686	.2922	.0919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3640**	**-.0254**	**-.0076**	**10.65**
Stddev	1.102	.0505	.1508	4.54
%RSD	302.7	199.3	1984.	42.59
#1	.7906	-.0309	.1567	14.12
#2	1.189	.0277	-.1396	12.30
#3	-.8876	-.0729	-.0399	5.517
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4165.5**	**30015.**	**3543.7**
Stddev	10.6	151.	14.7
%RSD	.25561	.50349	.41524
#1	4177.1	30164.	3532.1
#2	4156.1	30019.	3560.2
#3	4163.3	29862.	3538.6

Sample Name: lcs 460-386717/2-a@2 Acquired: 8/25/2016 15:20:27 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2494.**	**2455.**	**238.8**	**5174.**	**521.4**	**9917.**
Stddev	8.	6.	.9	16.	.5	79.
%RSD	.3221	.2491	.3770	.3128	.1046	.7980
#1	2503.	2451.	238.3	5156.	521.3	9838.
#2	2487.	2462.	238.2	5185.	521.0	9917.
#3	2494.	2452.	239.8	5182.	522.0	9997.
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**538.6**	**537.5**	**2574.**	**493.3**	**500.9**	**9763.**
Stddev	1.6	2.1	17.	2.4	16.9	39.
%RSD	.2935	.3936	.6420	.4799	3.369	.3999
#1	537.5	535.1	2558.	490.9	485.9	9731.
#2	540.4	539.1	2572.	493.4	519.2	9751.
#3	537.8	538.2	2591.	495.6	497.6	9806.
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9836.**	**547.4**	**9690.**	**549.2**	**2589.**	**465.9**
Stddev	49.	4.3	44.	1.0	14.	.5
%RSD	.4993	.7764	.4586	.1892	.5257	.0998
#1	9804.	544.1	9646.	548.0	2580.	465.4
#2	9811.	545.8	9691.	549.7	2605.	466.3
#3	9892.	552.2	9734.	549.9	2582.	466.0
Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: lcs 460-386717/2-a@2 Acquired: 8/25/2016 15:20:27 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**512.6**	**546.0**	**242.7**	**580.1**	**500.0**	**497.4**
Stddev	3.3	6.6	1.0	5.0	4.7	4.7
%RSD	.6529	1.209	.4320	.8700	.9438	.9390
#1	509.6	539.2	241.5	574.4	494.7	492.1
#2	516.2	552.4	243.0	584.2	503.9	500.8
#3	511.9	546.4	243.5	581.6	501.2	499.4
Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**517.1**	**522.5**	**511.0**	**28.17**
Stddev	6.3	1.9	2.3	12.94
%RSD	1.223	.3720	.4445	45.94
#1	510.7	521.1	509.4	18.35
#2	523.3	521.7	510.1	23.33
#3	517.3	524.7	513.6	42.83
Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4096.4**	**29486.**	**3499.1**
Stddev	14.6	199.	33.9
%RSD	.35660	.67557	.96798
#1	4111.4	29665.	3460.7
#2	4082.2	29523.	3524.8
#3	4095.6	29272.	3511.9

Sample Name: 460-118892-e-11-j@5 Acquired: 8/25/2016 15:24:08 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**71.09**	**1.149**	**.2855**	**120.5**	**.2105**	**5022.**
Stddev	2.25	2.032	.3776	.6	.1398	43.
%RSD	3.159	176.8	132.3	.5123	66.42	.8635
#1	72.38	1.060	.0112	119.9	.0598	4973.
#2	68.49	-.8371	.7162	120.5	.2358	5036.
#3	72.38	3.223	.1291	121.2	.3359	5057.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3813**	**3.227**	**-.1335**	**21.61**	**422.7**	**606.1**
Stddev	.0142	.071	.8398	.52	13.0	14.5
%RSD	3.725	2.215	629.2	2.383	3.067	2.399
#1	.3650	3.156	-.9418	22.05	431.7	591.3
#2	.3909	3.228	-.1933	21.04	407.8	620.4
#3	.3881	3.299	.7346	21.74	428.6	606.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**747.2**	**826.7**	F **268200.**	**2.899**	**10.36**	**-.9834**
Stddev	13.8	3.6	1536.	.573	1.98	1.738
%RSD	1.840	.4300	.5727	19.75	19.05	176.7
#1	732.5	822.7	269700.	3.289	8.114	-2.219
#2	749.2	829.4	266700.	2.241	11.17	1.004
#3	759.8	828.1	268400.	3.166	11.81	-1.735
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118892-e-11-j@5 Acquired: 8/25/2016 15:24:08 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.274**	**2.040**	**-1.290**	**47.51**	**25.69**	**.1719**
Stddev	1.976	1.498	.771	.53	.32	.1970
%RSD	155.1	73.46	59.79	1.120	1.255	114.6
#1	1.482	1.670	-1.239	47.19	25.90	.0931
#2	-.7978	3.688	-2.086	47.21	25.32	.3961
#3	3.138	.7607	-.5458	48.12	25.85	.0264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3839**	**28.98**	**1.078**	**427.8**
Stddev	.9966	.35	.054	9.6
%RSD	259.6	1.217	4.994	2.241
#1	-1.255	28.62	1.069	418.7
#2	.7031	29.00	1.029	426.7
#3	-.6001	29.32	1.135	437.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4019.6**	**28731.**	**3494.0**
Stddev	17.3	263.	73.4
%RSD	.43160	.91706	2.0997
#1	4039.6	29035.	3519.7
#2	4011.0	28590.	3551.0
#3	4008.2	28568.	3411.2

Sample Name: sd 460-118892-e-11-j Acquired: 8/25/2016 15:28:07 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.580**	**.8863**	**.1969**	**23.50**	**.0083**	**979.9**
Stddev	8.128	.0807	.0965	.06	.1569	15.3
%RSD	84.84	9.110	48.99	.2399	1885.	1.565
#1	9.195	.8086	.1488	23.53	-.0306	980.9
#2	17.89	.9698	.3079	23.53	-.1254	964.0
#3	1.652	.8806	.1339	23.43	.1811	994.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1634**	**.4318**	**-.6922**	**4.286**	**76.85**	**130.5**
Stddev	.0368	.0413	.0733	.123	7.23	22.9
%RSD	22.54	9.566	10.59	2.873	9.407	17.58
#1	.2053	.4389	-.6273	4.310	78.53	127.4
#2	.1491	.3874	-.6777	4.395	83.10	109.3
#3	.1360	.4692	-.7717	4.152	68.93	154.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**142.5**	**166.8**	**52960.**	**.4350**	**1.401**	**1.071**
Stddev	.8	.8	70.	.5544	1.338	.807
%RSD	.5818	.4553	.1329	127.5	95.56	75.38
#1	141.6	166.4	53010.	.0300	.4681	1.072
#2	142.6	166.4	52880.	1.067	.7995	.2628
#3	143.3	167.7	53000.	.2080	2.934	1.877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118892-e-11-j Acquired: 8/25/2016 15:28:07 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3562**	**2.591**	**-.4191**	**11.51**	**5.462**	**-.1369**
Stddev	3.317	1.000	.4635	.05	.260	.2624
%RSD	931.2	38.59	110.6	.4183	4.759	191.7
#1	1.986	3.676	-.8339	11.55	5.749	-.3231
#2	-4.152	2.388	-.5046	11.46	5.395	.1633
#3	1.097	1.707	.0812	11.51	5.242	-.2508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7112**	**5.553**	**.3303**	**90.38**
Stddev	.2585	.057	.1230	4.88
%RSD	36.35	1.024	37.24	5.405
#1	.6792	5.488	.2748	85.67
#2	.4702	5.577	.2449	90.04
#3	.9843	5.594	.4713	95.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4132.2**	**29728.**	**3575.8**
Stddev	7.4	199.	64.1
%RSD	.17797	.66922	1.7936
#1	4124.2	29500.	3502.6
#2	4138.7	29863.	3622.0
#3	4133.7	29822.	3603.0

Sample Name: 460-118893-d-10-j@5 Acquired: 8/25/2016 15:32:07 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56.38**	**1.544**	**.1148**	**144.9**	**.2885**	**5767.**
Stddev	3.60	.911	.3784	.5	.0196	49.
%RSD	6.384	59.01	329.5	.3668	6.805	.8543
#1	58.01	1.406	-.3220	145.4	.2976	5718.
#2	52.25	2.515	.3401	144.9	.3019	5817.
#3	58.87	.7093	.3264	144.4	.2659	5767.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3311**	**3.031**	**.2434**	**14.97**	**890.4**	**847.3**
Stddev	.1228	.297	.4034	.44	9.1	34.3
%RSD	37.09	9.784	165.7	2.930	1.016	4.044
#1	.4719	3.373	-.0839	14.72	885.3	809.2
#2	.2462	2.838	.6941	14.71	885.1	875.6
#3	.2753	2.883	.1201	15.48	900.9	857.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**467.2**	**1414.**	F **292600.**	**3.327**	**7.979**	**1.234**
Stddev	5.7	6.	2204.	.540	1.348	1.340
%RSD	1.224	.4108	.7532	16.22	16.89	108.5
#1	461.0	1408.	295000.	3.699	8.632	-.2511
#2	468.3	1419.	291900.	2.708	8.875	1.603
#3	472.3	1416.	290800.	3.574	6.429	2.352
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118893-d-10-j@5 Acquired: 8/25/2016 15:32:07 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.194**	**2.823**	**-2.479**	**50.87**	**45.07**	**.1492**
Stddev	1.358	1.047	.176	.24	.64	.3597
%RSD	113.7	37.10	7.111	.4671	1.410	241.1
#1	.0615	3.605	-2.552	50.59	44.73	.0181
#2	2.700	1.633	-2.607	50.99	45.80	.5561
#3	.8210	3.231	-2.278	51.01	44.67	-.1266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6755**	**42.69**	**.9799**	**376.1**
Stddev	.1661	.40	.1148	5.9
%RSD	24.59	.9444	11.72	1.578
#1	.7148	42.32	1.026	370.1
#2	.4933	42.63	1.065	376.2
#3	.8185	43.12	.8492	381.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4049.3**	**28815.**	**3473.0**
Stddev	5.2	193.	18.7
%RSD	.12852	.66992	.53843
#1	4043.3	29019.	3487.3
#2	4052.2	28636.	3451.8
#3	4052.4	28789.	3479.7

Sample Name: lb 460-386104/1-i@5 Acquired: 8/25/2016 15:36:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.577**	**2.016**	**-.0466**	**.3612**	**.1066**	**-24.07**
Stddev	8.877	.909	.2982	.0316	.0784	18.03
%RSD	135.0	45.11	640.5	8.746	73.54	74.94
#1	-4.524	2.609	.2676	.3565	.1956	-8.568
#2	1.093	.9688	-.3257	.3948	.0474	-43.86
#3	-16.30	2.470	-.0816	.3322	.0770	-19.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1076**	**-.2731**	**-.8537**	**1.348**	**-1.875**	**132.3**
Stddev	.1090	.1578	.5637	.309	7.860	12.4
%RSD	101.4	57.77	66.03	22.90	419.1	9.354
#1	.2283	-.2022	-.4284	1.093	-1.833	134.1
#2	.0162	-.4539	-1.493	1.261	-9.756	119.1
#3	.0782	-.1632	-.6395	1.692	5.963	143.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.213**	**.0298**	F **280000.**	**2.035**	**-.1906**	**1.118**
Stddev	1.922	.1206	2272.	.368	.9493	1.853
%RSD	86.86	404.6	.8114	18.10	498.2	165.8
#1	-4.399	-.0834	282600.	1.631	.3510	3.099
#2	-.7845	.0161	278200.	2.352	-1.287	-.5746
#3	-1.456	.1566	279200.	2.123	.3640	.8292
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-386104/1-i@5 Acquired: 8/25/2016 15:36:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.774**	**.4119**	**-.0675**	**10.72**	**2.663**	**-.6403**
Stddev	1.315	.4717	.5595	.14	.555	.2630
%RSD	47.41	114.5	828.8	1.289	20.83	41.07
#1	4.054	.5160	-.4728	10.57	2.663	-.3629
#2	2.842	-.1031	.5708	10.78	3.218	-.6719
#3	1.426	.8228	-.3005	10.83	2.108	-.8860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6143**	**-.0184**	**.0976**	**13.57**
Stddev	.4257	.0425	.1942	15.09
%RSD	69.30	231.3	198.9	111.2
#1	.2348	-.0673	-.0776	5.506
#2	1.075	.0091	.0640	30.98
#3	.5335	.0031	.3065	4.233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4029.8**	**28630.**	**3466.7**
Stddev	10.8	70.	24.7
%RSD	.26691	.24565	.71184
#1	4041.9	28697.	3438.5
#2	4021.4	28557.	3477.6
#3	4026.0	28636.	3484.1

Sample Name: 460-118985-a-1-d@10 Acquired: 8/25/2016 15:40:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46340.**	**-.0723**	**1.960**	**54.67**	**.8935**	**34080.**
Stddev	21.	2.326	.452	.34	.0739	149.
%RSD	.0460	3215.	23.06	.6262	8.273	.4362
#1	46340.	2.613	1.527	54.65	.8470	34250.
#2	46310.	-1.467	1.926	55.03	.8547	33990.
#3	46360.	-1.362	2.429	54.34	.9787	34000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4131**	**60.71**	**197.6**	**194.3**	**99230.**	**605.7**
Stddev	.0954	.81	.2	.2	426.	31.3
%RSD	23.09	1.336	.1096	.0829	.4294	5.162
#1	-.4812	59.78	197.8	194.2	99670.	610.8
#2	-.3041	61.12	197.6	194.5	99180.	634.1
#3	-.4542	61.24	197.4	194.3	98820.	572.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**45490.**	**1220.**	**1740.**	**116.5**	**26.79**	**2.534**
Stddev	178.	4.	54.	.8	.68	1.365
%RSD	.3913	.3384	3.123	.7162	2.545	53.88
#1	45690.	1225.	1803.	116.3	26.57	4.019
#2	45360.	1219.	1712.	117.5	27.55	1.332
#3	45400.	1217.	1706.	115.9	26.24	2.252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118985-a-1-d@10 Acquired: 8/25/2016 15:40:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.662**	**6.704**	**198.5**	**129.4**	**168.8**	**.4657**
Stddev	5.471	1.099	.2	.5	1.3	.4833
%RSD	329.2	16.39	.0952	.4102	.7573	103.8
#1	-7.368	5.509	198.8	129.0	167.5	.4885
#2	3.540	7.670	198.4	129.3	168.7	-.0286
#3	-1.158	6.934	198.5	130.0	170.1	.9373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-35.23**	**59.67**	**8294.**	**658.8**
Stddev	2.12	.11	9.	25.3
%RSD	6.023	.1923	.1047	3.838
#1	-33.15	59.54	8303.	685.0
#2	-35.13	59.73	8290.	657.0
#3	-37.40	59.75	8287.	634.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4125.4**	**29441.**	**3502.3**
Stddev	14.3	163.	14.5
%RSD	.34665	.55242	.41377
#1	4121.4	29253.	3488.4
#2	4113.4	29541.	3501.2
#3	4141.2	29528.	3517.4

Sample Name: 460-118966-b-1-f@5 Acquired: 8/25/2016 15:43:57 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**177.3**	**1.681**	**.2547**	**95.84**	**.1196**	**70640.**
Stddev	8.3	1.064	.6755	.85	.1422	664.
%RSD	4.706	63.32	265.2	.8840	118.9	.9403
#1	186.2	2.030	.9155	94.93	.1130	69960.
#2	169.6	2.527	-.4345	96.00	.2650	70680.
#3	176.2	.4858	.2830	96.61	-.0192	71290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.508**	**11.29**	**.8744**	**10.99**	**888.2**	**1189.**
Stddev	.085	.13	.2827	.66	16.0	13.
%RSD	2.420	1.125	32.33	5.995	1.800	1.090
#1	3.550	11.14	.8877	10.28	870.1	1202.
#2	3.564	11.35	1.150	11.11	893.9	1176.
#3	3.410	11.37	.5853	11.58	900.5	1189.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11550.**	**1607.**	F **305900.**	**39.93**	**23.40**	**.5450**
Stddev	260.	12.	2740.	.52	1.74	2.667
%RSD	2.247	.7758	.8957	1.293	7.441	489.4
#1	11250.	1595.	308900.	39.89	22.58	-2.429
#2	11710.	1608.	305500.	40.47	25.40	2.725
#3	11690.	1619.	303500.	39.44	22.22	1.340
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118966-b-1-f@5 Acquired: 8/25/2016 15:43:57 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.556**	**2.322**	**-3.004**	**1071.**	**43.25**	**.6280**
Stddev	.941	1.357	.355	6.	.23	.4776
%RSD	60.49	58.44	11.80	.5239	.5304	76.05
#1	.5224	2.666	-3.352	1065.	42.99	.4994
#2	1.781	3.475	-2.643	1072.	43.31	.2279
#3	2.364	.8262	-3.016	1076.	43.44	1.157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2323**	**355.3**	**5.802**	**1208.**
Stddev	.9998	1.6	.168	32.
%RSD	430.4	.4437	2.895	2.608
#1	-1.019	356.7	5.910	1177.
#2	.8929	355.6	5.889	1240.
#3	-.5713	353.6	5.609	1206.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3969.7**	**28166.**	**3460.6**
Stddev	18.6	354.	13.1
%RSD	.46962	1.2576	.37761
#1	3991.2	28518.	3472.9
#2	3958.7	28170.	3462.1
#3	3959.2	27810.	3446.9

Sample Name: 460-118967-a-1-b@5 Acquired: 8/25/2016 15:47:53 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**376.5**	**6.277**	**.4764**	**76.46**	**.1823**	**32130.**
Stddev	13.1	.587	.2257	.53	.0384	293.
%RSD	3.478	9.358	47.37	.6934	21.06	.9105
#1	386.4	6.864	.3889	75.85	.2153	32460.
#2	381.5	6.279	.7328	76.69	.1402	31980.
#3	361.7	5.689	.3077	76.83	.1915	31940.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.319**	**5.041**	**10.26**	**49.20**	**5109.**	**46560.**
Stddev	.014	.215	.79	.58	20.	107.
%RSD	.5809	4.262	7.720	1.176	.3836	.2290
#1	2.330	5.286	11.14	48.74	5112.	46550.
#2	2.323	4.953	9.592	49.01	5087.	46470.
#3	2.304	4.885	10.06	49.85	5126.	46680.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22930.**	**674.0**	F **279700.**	**70.11**	**70.27**	**.2902**
Stddev	184.	4.0	1679.	1.22	.15	1.470
%RSD	.8004	.5957	.6003	1.736	.2141	506.5
#1	23130.	678.3	281600.	70.77	70.27	1.632
#2	22890.	673.4	279000.	68.71	70.13	.5186
#3	22770.	670.3	278400.	70.86	70.43	-1.281
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118967-a-1-b@5 Acquired: 8/25/2016 15:47:53 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3522**	**2.130**	**1.781**	**315.1**	**134.8**	**1.150**
Stddev	6.157	1.485	.459	1.0	1.3	.386
%RSD	1748.	69.74	25.78	.3262	.9792	33.62
#1	3.566	3.820	2.024	315.0	134.5	.8856
#2	2.826	1.541	2.067	316.2	133.6	.9699
#3	-7.449	1.030	1.251	314.1	136.2	1.593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0558**	**143.6**	**11.69**	**1173.**
Stddev	.9801	1.9	.03	25.
%RSD	1755.	1.318	.2914	2.136
#1	1.035	141.6	11.69	1167.
#2	-.3389	143.9	11.73	1152.
#3	-.8632	145.3	11.66	1201.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3959.1**	**28270.**	**3437.8**
Stddev	17.8	325.	49.2
%RSD	.45082	1.1488	1.4305
#1	3941.7	27950.	3402.1
#2	3958.2	28260.	3417.5
#3	3977.4	28600.	3493.9

Sample Name: 460-118981-b-12-k@5 Acquired: 8/25/2016 15:51:48 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**45.13**	**2.453**	**.0092**	**64.25**	**.1590**	**4519.**
Stddev	8.75	1.086	.2986	.49	.0635	11.
%RSD	19.40	44.28	3254.	.7619	39.93	.2388
#1	38.69	1.353	-.3356	64.59	.1263	4512.
#2	55.10	2.481	.1796	64.48	.1186	4513.
#3	41.60	3.525	.1836	63.69	.2322	4531.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4163**	**.7750**	**-1.012**	**2.130**	**21.26**	**554.8**
Stddev	.1145	.1451	.242	.077	6.92	28.1
%RSD	27.51	18.72	23.95	3.639	32.57	5.059
#1	.3370	.9419	-.9320	2.046	13.39	530.7
#2	.5476	.6785	-1.284	2.144	23.98	585.6
#3	.3643	.7047	-.8196	2.199	26.40	548.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**825.1**	**58.04**	F **267300.**	**1.637**	**5.572**	**.3620**
Stddev	15.4	.68	1648.	.302	.814	.7734
%RSD	1.867	1.174	.6166	18.43	14.61	213.7
#1	810.3	57.29	269100.	1.321	5.965	.0947
#2	823.9	58.21	266100.	1.922	6.116	-.2423
#3	841.1	58.62	266600.	1.670	4.637	1.233
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118981-b-12-k@5 Acquired: 8/25/2016 15:51:48 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.395**	**2.039**	**.5184**	**24.50**	**13.96**	**-.3391**
Stddev	1.810	1.991	.0226	.09	.28	.1109
%RSD	129.7	97.65	4.354	.3773	1.995	32.71
#1	2.494	2.537	.5026	24.45	14.27	-.2296
#2	2.385	-.1537	.5084	24.43	13.85	-.3362
#3	-.6930	3.734	.5443	24.60	13.75	-.4514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6428**	**25.27**	**.8196**	**309.9**
Stddev	.9966	.22	.1182	3.4
%RSD	155.0	.8894	14.43	1.109
#1	1.487	25.08	.7304	311.0
#2	.8980	25.22	.9537	312.6
#3	-.4566	25.52	.7746	306.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4045.0**	**28756.**	**3476.2**
Stddev	6.4	127.	12.4
%RSD	.15832	.44102	.35806
#1	4037.7	28837.	3468.6
#2	4047.9	28822.	3469.4
#3	4049.5	28610.	3490.6

Sample Name: CCV Acquired: 8/25/2016 15:55:49 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122000.**	**2434.**	**1215.**	**9963.**	**1000.**	**122300.**
Stddev	639.	8.	2.	11.	8.	306.
%RSD	.5235	.3196	.1534	.1149	.7634	.2503
#1	121400.	2425.	1213.	9950.	992.2	122100.
#2	122600.	2440.	1217.	9969.	1007.	122700.
#3	122000.	2436.	1216.	9970.	1001.	122200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1240.**	**2468.**	**4960.**	**12180.**	**98490.**	**49200.**
Stddev	.	4.	17.	12.	210.	310.
%RSD	.0313	.1486	.3356	.0954	.2133	.6296
#1	1240.	2463.	4941.	12170.	98450.	48920.
#2	1240.	2469.	4972.	12180.	98710.	49540.
#3	1240.	2470.	4966.	12190.	98300.	49150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122100.**	**5002.**	**121500.**	**2496.**	**7434.**	**975.4**
Stddev	226.	7.	547.	2.	15.	2.6
%RSD	.1853	.1414	.4498	.0860	.1970	.2645
#1	121900.	4995.	121100.	2498.	7423.	972.7
#2	122300.	5009.	122100.	2493.	7427.	975.9
#3	122000.	5002.	121300.	2496.	7450.	977.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 15:55:49 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2436.**	**2496.**	**2432.**	**2480.**	**977.5**	**2414.**
Stddev	2.	9.	4.	5.	5.4	6.
%RSD	.0621	.3678	.1643	.2180	.5524	.2328
#1	2434.	2487.	2432.	2485.	971.3	2408.
#2	2436.	2505.	2437.	2474.	981.6	2415.
#3	2437.	2495.	2429.	2482.	979.4	2419.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**982.2**	**5041.**	**10000.**	**9603.**
Stddev	3.6	32.	21.	58.
%RSD	.3631	.6339	.2104	.6075
#1	979.9	5008.	9978.	9609.
#2	980.5	5072.	10010.	9658.
#3	986.4	5044.	10020.	9542.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3878.8**	**27967.**	**3412.8**
Stddev	8.6	71.	22.5
%RSD	.22192	.25283	.66065
#1	3873.8	27915.	3420.8
#2	3873.9	27938.	3387.3
#3	3888.8	28047.	3430.1

Sample Name: CCB Acquired: 8/25/2016 15:59:24 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-9.254**	**-.9120**	**.1743**	**.3438**	**.1779**	**-13.32**
Stddev	8.520	.2132	.2910	.1113	.0804	6.51
%RSD	92.06	23.38	166.9	32.37	45.18	48.84
#1	-5.973	-.8851	-.0125	.4061	.2512	-16.09
#2	-18.93	-1.137	.5096	.2153	.0920	-17.99
#3	-2.863	-.7135	.0258	.4100	.1905	-5.890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1387**	**-.0171**	**-.3657**	**.1146**	**-3.833**	**63.31**
Stddev	.0729	.2184	.5614	.6718	.104	25.72
%RSD	52.54	1275.	153.5	586.3	2.713	40.62
#1	.2126	.0043	-.6810	-.3999	-3.725	84.99
#2	.0669	.1897	-.6985	-.1310	-3.932	34.90
#3	.1366	-.2454	.2825	.8746	-3.843	70.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.642**	**.0798**	**113.1**	**-.1718**	**-.9442**	**.0004**
Stddev	3.435	.1454	32.2	.2173	1.371	1.786
%RSD	51.71	182.2	28.49	126.5	145.1	426500.
#1	-3.841	.2083	144.1	.0726	-1.740	1.628
#2	-5.611	.1092	115.2	-.2449	-1.730	-1.911
#3	-10.47	-.0780	79.83	-.3432	.6383	.2839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 15:59:24 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.578**	**2.569**	**-.1734**	**.1251**	**1.824**	**.8278**
Stddev	1.246	1.292	.3750	.0549	.698	.7677
%RSD	78.98	50.28	216.2	43.90	38.28	92.74
#1	-2.996	1.968	-.4139	.1804	2.226	1.714
#2	-.6579	4.052	.2586	.0705	2.228	.3796
#3	-1.079	1.687	-.3650	.1244	1.018	.3896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1816**	**.0122**	**.5035**	**9.072**
Stddev	.2861	.0864	.1309	9.104
%RSD	157.5	711.3	26.01	100.4
#1	.0007	-.0874	.5540	11.63
#2	.0327	.0551	.6016	-1.038
#3	.5115	.0687	.3548	16.62
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4134.7**	**29564.**	**3471.8**
Stddev	17.9	270.	41.9
%RSD	.43208	.91474	1.2061
#1	4154.6	29863.	3519.6
#2	4129.4	29494.	3453.7
#3	4120.0	29336.	3441.9

Sample Name: CCVL Acquired: 8/25/2016 16:03:26 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**178.6**	**13.34**	**8.866**	**190.6**	**1.994**	**4535.**
Stddev	12.9	1.11	.236	.3	.057	13.
%RSD	7.244	8.349	2.663	.1706	2.862	.2803
#1	165.4	13.38	8.990	190.6	1.935	4540.
#2	179.3	12.21	8.593	190.2	2.048	4521.
#3	191.2	14.44	9.013	190.9	2.000	4545.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.054**	**47.55**	**9.447**	**22.12**	**147.3**	**4516.**
Stddev	.128	.42	.235	.36	6.5	30.
%RSD	3.154	.8771	2.487	1.641	4.431	.6549
#1	4.195	47.86	9.689	21.93	150.0	4482.
#2	3.944	47.70	9.220	22.54	151.9	4536.
#3	4.025	47.07	9.430	21.89	139.8	4531.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4424.**	**14.81**	**4540.**	**40.11**	**9.222**	**18.51**
Stddev	16.	.19	34.	.45	1.936	1.18
%RSD	.3569	1.271	.7383	1.131	21.00	6.358
#1	4420.	14.62	4509.	40.16	11.37	19.79
#2	4410.	14.82	4535.	40.53	8.696	17.49
#3	4441.	15.00	4575.	39.63	7.602	18.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 16:03:26 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.06**	**21.07**	**45.74**	**30.68**	**45.65**	**18.03**
Stddev	1.76	1.58	.56	.20	.15	.55
%RSD	9.246	7.518	1.233	.6643	.3372	3.048
#1	17.05	21.05	45.13	30.90	45.82	18.02
#2	20.33	19.50	45.84	30.66	45.60	18.58
#3	19.81	22.67	46.24	30.49	45.52	17.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.40**	**19.46**	**19.38**	F **16.24**
Stddev	.73	.12	.28	20.44
%RSD	1.549	.6102	1.440	125.9
#1	46.61	19.38	19.26	38.93
#2	47.54	19.40	19.18	10.50
#3	48.05	19.59	19.70	-.7208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.3**	**29584.**	**3507.0**
Stddev	9.0	188.	7.2
%RSD	.21712	.63687	.20617
#1	4124.6	29382.	3500.0
#2	4132.6	29612.	3506.5
#3	4142.5	29756.	3514.5

Sample Name: 460-118981-b-21-g@5 Acquired: 8/25/2016 16:07:27 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**66.12**	**1.845**	**-.1913**	**131.6**	**.1673**	**2201.**
Stddev	15.36	1.449	.3685	.6	.0692	19.
%RSD	23.24	78.50	192.7	.4451	41.37	.8624
#1	83.45	1.365	-.1441	131.7	.1320	2221.
#2	54.19	.6974	.1514	131.0	.1229	2198.
#3	60.70	3.473	-.5811	132.1	.2471	2184.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2702**	**-.0245**	**-.3576**	**3.873**	**24.00**	**698.5**
Stddev	.0827	.1194	.4263	.342	8.72	68.3
%RSD	30.59	486.5	119.2	8.819	36.35	9.774
#1	.3617	.0804	-.1639	3.507	29.18	632.1
#2	.2008	-.1544	-.8464	3.928	13.92	694.9
#3	.2482	.0004	-.0625	4.183	28.88	768.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**453.3**	**83.66**	F **268900.**	**3.467**	**5.601**	**.7596**
Stddev	6.8	.39	1512.	.306	.863	.8096
%RSD	1.510	.4687	.5623	8.816	15.41	106.6
#1	447.0	83.20	267500.	3.799	5.699	.4083
#2	460.6	83.88	270500.	3.197	4.693	1.686
#3	452.3	83.88	268600.	3.406	6.411	.1850
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118981-b-21-g@5 Acquired: 8/25/2016 16:07:27 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0704**	**1.894**	**.2621**	**18.83**	**12.88**	**-.0649**
Stddev	2.715	1.322	.6267	.03	.10	.2049
%RSD	3854.	69.80	239.1	.1797	.7981	315.7
#1	2.974	.6138	.1594	18.80	12.99	-.0611
#2	-.9461	1.815	.9338	18.86	12.79	-.2716
#3	-2.240	3.255	-.3069	18.84	12.84	.1381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3479**	**20.58**	**.7396**	**219.0**
Stddev	1.238	.45	.2068	10.6
%RSD	355.8	2.171	27.96	4.823
#1	-1.057	20.08	.8815	209.9
#2	.8211	20.72	.5023	216.5
#3	1.280	20.94	.8350	230.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4045.5**	**28684.**	**3491.7**
Stddev	14.2	347.	53.3
%RSD	.35060	1.2081	1.5256
#1	4032.3	28355.	3509.0
#2	4043.9	28652.	3432.0
#3	4060.5	29046.	3534.2

Sample Name: 460-118983-e-1-f@5 Acquired: 8/25/2016 16:11:26 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**60.02**	**1.395**	**.3979**	**84.93**	**.0808**	**76520.**
Stddev	10.97	2.831	.1188	.12	.0932	308.
%RSD	18.28	203.0	29.87	.1455	115.3	.4026
#1	72.68	.9301	.3093	84.79	-.0252	76180.
#2	53.26	4.430	.3513	85.00	.1501	76600.
#3	54.12	-1.175	.5329	85.00	.1175	76780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6844**	**7.154**	**-.4181**	**10.19**	**27.24**	**1562.**
Stddev	.1052	.134	.5085	.51	4.00	66.
%RSD	15.37	1.870	121.6	4.990	14.67	4.256
#1	.6300	7.238	-.7380	9.606	24.02	1528.
#2	.6174	7.224	.1682	10.48	25.99	1519.
#3	.8056	6.999	-.6847	10.49	31.71	1638.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1989.**	**189.1**	F **283800.**	**11.96**	**5.318**	**.1161**
Stddev	20.	1.9	1154.	.60	.802	1.064
%RSD	.9987	.9875	.4067	5.016	15.08	917.0
#1	1972.	187.1	285100.	11.74	5.997	-.8147
#2	1984.	189.4	283200.	12.64	5.525	1.277
#3	2011.	190.8	283100.	11.51	4.434	-.1138
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118983-e-1-f@5 Acquired: 8/25/2016 16:11:26 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.394**	**-.7205**	**.2843**	**35.33**	**16.91**	**-.2082**
Stddev	3.435	.7970	.2401	.31	.31	.1559
%RSD	143.5	110.6	84.44	.8709	1.841	74.91
#1	2.025	-1.474	.5504	34.99	17.18	-.0592
#2	-.8424	-.8009	.2188	35.44	16.98	-.1951
#3	5.998	.1136	.0838	35.58	16.57	-.3702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1169**	**247.3**	**2.405**	**2062.**
Stddev	.1589	.6	.285	42.
%RSD	135.9	.2308	11.87	2.021
#1	-.0128	247.0	2.630	2063.
#2	-.0382	247.0	2.083	2019.
#3	-.2998	248.0	2.501	2103.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3986.7**	**28578.**	**3497.2**
Stddev	11.9	203.	56.0
%RSD	.29777	.71023	1.6012
#1	3990.5	28802.	3558.6
#2	3996.1	28527.	3484.2
#3	3973.4	28406.	3448.9

Sample Name: 460-118931-a-3-d@5 Acquired: 8/25/2016 16:15:25 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120.2**	**5.356**	**-.0416**	**654.8**	**.1823**	**73100.**
Stddev	9.4	.329	.0782	.6	.0807	306.
%RSD	7.828	6.144	187.8	.0946	44.26	.4181
#1	119.1	5.682	.0437	655.0	.0894	72880.
#2	130.1	5.362	-.1100	654.1	.2228	72990.
#3	111.4	5.024	-.0586	655.3	.2347	73450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.80**	**14.42**	**1.660**	**10.26**	**1234.**	**1852.**
Stddev	.11	.20	.502	.65	28.	59.
%RSD	.8921	1.383	30.21	6.358	2.293	3.182
#1	12.75	14.45	1.924	10.29	1211.	1815.
#2	12.93	14.61	1.082	9.588	1224.	1822.
#3	12.72	14.21	1.975	10.89	1265.	1920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16790.**	**1413.**	F **273800.**	**55.16**	**221.8**	**8.940**
Stddev	149.	3.	1942.	.71	1.0	.764
%RSD	.8860	.2314	.7093	1.283	.4578	8.544
#1	16950.	1410.	276100.	54.39	222.0	8.225
#2	16660.	1413.	272600.	55.79	222.8	9.745
#3	16760.	1416.	272800.	55.30	220.8	8.851
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118931-a-3-d@5 Acquired: 8/25/2016 16:15:25 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.167**	**-.2003**	**-1.856**	**1658.**	**41.79**	**1.524**
Stddev	3.642	.9498	.729	5.	.26	.221
%RSD	312.1	474.2	39.25	.2732	.6318	14.46
#1	1.362	.5548	-2.518	1657.	41.61	1.340
#2	-2.569	.1110	-1.974	1663.	41.67	1.769
#3	4.709	-1.267	-1.076	1654.	42.09	1.464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9211**	**316.6**	**5.963**	**1674.**
Stddev	.2060	1.2	.333	17.
%RSD	22.37	.3873	5.580	1.030
#1	.8572	318.0	5.596	1659.
#2	1.152	315.9	6.245	1670.
#3	.7547	316.0	6.048	1693.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3974.2**	**28440.**	**3438.2**
Stddev	4.6	73.	10.1
%RSD	.11588	.25732	.29251
#1	3977.5	28508.	3438.9
#2	3968.9	28450.	3447.8
#3	3976.2	28362.	3427.8

Sample Name: 460-118985-b-1-f@5 Acquired: 8/25/2016 16:23:16 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**141.7**	**-.2703**	**-.0672**	**69.70**	**.1337**	**24970.**
Stddev	12.9	1.066	.5203	.55	.0762	64.
%RSD	9.097	394.4	774.6	.7826	57.03	.2561
#1	149.1	.6372	.4004	69.14	.0520	24930.
#2	126.8	-.0039	.0257	69.71	.1461	24950.
#3	149.1	-1.444	-.6276	70.23	.2029	25050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2304**	**4.979**	**1.973**	**3.626**	**3420.**	**930.0**
Stddev	.0557	.185	.251	.167	31.	10.5
%RSD	24.18	3.715	12.70	4.608	.9015	1.132
#1	.1669	4.804	1.689	3.755	3387.	937.6
#2	.2536	5.173	2.162	3.686	3447.	918.0
#3	.2708	4.962	2.070	3.437	3427.	934.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6452.**	**488.3**	F **272200.**	**11.21**	**4.944**	**.4862**
Stddev	45.	1.3	699.	.33	1.040	1.030
%RSD	.6976	.2681	.2569	2.983	21.03	211.9
#1	6402.	487.2	273000.	10.98	3.785	-.2147
#2	6488.	487.9	271800.	11.59	5.253	.0041
#3	6467.	489.8	271700.	11.05	5.795	1.669
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118985-b-1-f@5 Acquired: 8/25/2016 16:23:16 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.820**	**3.542**	**-.4343**	**33.18**	**57.07**	**-.2980**
Stddev	3.393	1.472	.2939	.21	.52	.2575
%RSD	186.4	41.56	67.66	.6183	.9037	86.41
#1	3.542	4.056	-.5096	33.08	56.69	-.5056
#2	4.007	1.882	-.6833	33.05	56.87	-.0099
#3	-2.088	4.689	-.1102	33.42	57.66	-.3784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.8075**	**137.3**	**2.529**	**3865.**
Stddev	.9548	1.4	.127	65.
%RSD	118.2	.9964	5.001	1.687
#1	.2175	136.2	2.384	3792.
#2	-1.672	136.8	2.614	3885.
#3	-.9683	138.8	2.590	3918.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4012.2**	**28199.**	**3375.9**
Stddev	8.4	134.	12.1
%RSD	.21058	.47443	.35907
#1	4021.9	28312.	3385.1
#2	4006.5	28233.	3380.4
#3	4008.3	28051.	3362.2

Sample Name: 460-118965-b-1-e@5 Acquired: 8/25/2016 16:19:20 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**249.5**	**.4921**	**.2744**	**428.7**	**-.0295**	**3400.**
Stddev	8.0	1.098	.4302	.0	.0253	29.
%RSD	3.219	223.2	156.8	.0005	85.82	.8563
#1	255.2	.4276	-.1689	428.7	-.0243	3433.
#2	253.0	-.5724	.3018	428.7	-.0072	3380.
#3	240.3	1.621	.6902	428.7	-.0570	3386.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1337**	**.4028**	**7.158**	**13.98**	**1281.**	**372.2**
Stddev	.1244	.1174	.329	.23	19.	11.3
%RSD	93.03	29.14	4.590	1.668	1.486	3.048
#1	.0014	.4977	7.336	14.03	1299.	385.3
#2	.2482	.4391	7.359	14.19	1261.	364.6
#3	.1515	.2715	6.779	13.73	1281.	366.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**211.2**	**209.2**	F **267500.**	**6.763**	**169.8**	**1.593**
Stddev	4.7	1.2	1164.	.312	1.2	1.078
%RSD	2.220	.5545	.4352	4.613	.6916	67.64
#1	205.8	207.9	268800.	6.424	170.3	.3959
#2	213.6	209.5	267100.	7.038	168.5	1.898
#3	214.2	210.2	266600.	6.828	170.6	2.486
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118965-b-1-e@5 Acquired: 8/25/2016 16:19:20 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.392**	**2.465**	**-.4881**	**242.1**	**17.92**	**.1249**
Stddev	2.491	4.156	.4607	2.5	.46	.2799
%RSD	179.0	168.6	94.41	1.021	2.564	224.0
#1	1.056	5.340	-.0741	239.6	17.70	.3101
#2	-1.309	-2.300	-.4057	242.1	18.44	-.1971
#3	-3.923	4.355	-.9844	244.5	17.60	.2618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1247**	**11.32**	**4.360**	**981.3**
Stddev	.4219	.16	.106	30.3
%RSD	338.2	1.390	2.428	3.092
#1	-.0225	11.17	4.455	970.0
#2	-.2037	11.31	4.246	1016.
#3	.6005	11.48	4.379	958.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4044.2**	**28677.**	**3475.5**
Stddev	7.2	200.	47.8
%RSD	.17827	.69693	1.3743
#1	4043.7	28450.	3431.9
#2	4037.2	28824.	3526.6
#3	4051.6	28759.	3468.1

Sample Name: lb 460-386376/1-g@5 Acquired: 8/25/2016 16:27:14 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-12.98**	**.9958**	**-.1756**	**.0206**	**.0401**	**-24.68**
Stddev	10.89	.2184	.2134	.0578	.1463	6.17
%RSD	83.88	21.93	121.5	280.6	364.5	25.00
#1	-22.11	.8435	-.1263	.0581	-.0247	-25.31
#2	-.9305	1.246	-.4093	.0496	.2076	-18.22
#3	-15.90	.8979	.0088	-.0460	-.0625	-30.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2600**	**-.1111**	**-.4616**	**1.230**	**-2.739**	**122.7**
Stddev	.0229	.0740	.3473	.338	7.339	48.7
%RSD	8.792	66.66	75.25	27.44	268.0	39.66
#1	.2452	-.0953	-.0932	.9061	-.8658	163.5
#2	.2864	-.0462	-.7832	1.205	3.482	68.84
#3	.2485	-.1917	-.5083	1.580	-10.83	135.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.946**	**-.0165**	F **276400.**	**2.352**	**-.7662**	**-.4171**
Stddev	8.899	.0612	1131.	.745	1.939	.6426
%RSD	128.1	370.5	.4094	31.66	253.1	154.1
#1	-11.29	-.0799	277600.	2.624	-2.237	-.6110
#2	-12.84	-.0119	276300.	2.923	-1.492	.3001
#3	3.291	.0423	275300.	1.510	1.431	-.9405
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-386376/1-g@5 Acquired: 8/25/2016 16:27:14 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.873**	**1.526**	**-.1687**	**3.438**	**2.398**	**-.4297**
Stddev	1.476	1.588	.3924	.132	.122	.1794
%RSD	51.35	104.0	232.6	3.846	5.104	41.75
#1	-1.346	-.2769	-.0401	3.509	2.317	-.3178
#2	-2.983	2.141	.1432	3.518	2.539	-.6366
#3	-4.291	2.715	-.6093	3.285	2.337	-.3347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.359**	**-.0334**	**.1499**	**20.84**
Stddev	.408	.0974	.0660	28.14
%RSD	30.04	291.1	44.04	135.0
#1	1.021	-.1368	.1806	17.56
#2	1.812	.0566	.0741	-5.512
#3	1.243	-.0201	.1950	50.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.2**	**28472.**	**3432.0**
Stddev	7.0	134.	10.4
%RSD	.17350	.46974	.30352
#1	4047.3	28605.	3443.4
#2	4035.9	28475.	3429.7
#3	4034.5	28337.	3423.0

Sample Name: lb 460-386056/1-e@5 Acquired: 8/25/2016 16:31:14 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.358**	**-.0599**	**.2588**	**.1707**	**.1121**	**-.6341**
Stddev	11.16	.5736	.4268	.1033	.0612	4.014
%RSD	133.6	957.6	164.9	60.54	54.59	633.1
#1	-19.63	-.4910	.7494	.2123	.0532	-2.879
#2	2.696	.5912	-.0270	.0530	.1078	-3.023
#3	-8.141	-.2799	.0541	.2467	.1754	4.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1558**	**-.1314**	**-.8896**	**-.0541**	**-8.642**	**56.24**
Stddev	.0689	.1297	.7466	.5419	6.351	27.87
%RSD	44.22	98.68	83.93	1001.	73.49	49.55
#1	.0782	-.0520	-.1095	-.5112	-13.61	88.36
#2	.1794	-.2811	-.9617	.5445	-10.83	38.61
#3	.2097	-.0612	-1.597	-.1957	-1.485	41.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1589**	**.0097**	**261.9**	**.3654**	**-.1962**	**.5006**
Stddev	13.42	.0122	63.0	.3839	.7746	.9065
%RSD	8447.	125.6	24.06	105.0	394.7	181.1
#1	-13.16	.0123	328.3	.3925	.6343	1.540
#2	13.68	.0204	254.3	.7351	-.8988	-.1242
#3	-.0442	-.0036	203.0	-.0312	-.3242	.0856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-386056/1-e@5 Acquired: 8/25/2016 16:31:14 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4992**	**.5724**	**.0165**	**3.405**	**1.548**	**-.0459**
Stddev	5.656	.1848	.1041	.051	.297	.2025
%RSD	1133.	32.28	629.9	1.509	19.21	441.2
#1	5.484	.7816	-.0517	3.402	1.805	-.2502
#2	-5.758	.4315	-.0351	3.458	1.222	.1548
#3	-1.224	.5042	.1363	3.355	1.617	-.0422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0150**	**-.0879**	**.0724**	**28.29**
Stddev	.5673	.0474	.1534	7.51
%RSD	3772.	53.87	211.9	26.54
#1	.2396	-.1204	.2062	36.93
#2	-.6302	-.0336	-.0950	24.70
#3	.4357	-.1098	.1059	23.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4100.9**	**29241.**	**3378.7**
Stddev	13.2	81.	31.5
%RSD	.32292	.27758	.93215
#1	4116.1	29228.	3392.1
#2	4093.9	29167.	3401.3
#3	4092.5	29328.	3342.7

Sample Name: lb 460-386588/1-b@5 Acquired: 8/25/2016 16:35:14 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.429**	**-1.304**	**-.0865**	**.1116**	**.0011**	**-5.809**
Stddev	8.304	.212	.1886	.1478	.1702	10.14
%RSD	341.9	16.30	218.0	132.4	16170.	174.6
#1	-11.62	-1.522	.0118	.2818	-.0632	5.215
#2	-.2115	-1.292	-.3039	.0159	-.1277	-7.901
#3	4.542	-1.097	.0326	.0372	.1940	-14.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1295**	**.1381**	**-.1589**	**.0744**	**-1.385**	**15.37**
Stddev	.0704	.2121	.2949	.0472	2.677	13.64
%RSD	54.39	153.6	185.6	63.40	193.3	88.75
#1	.0617	.0352	.1794	.0580	-.8411	18.45
#2	.1244	-.0029	-.3616	.0376	.9783	27.20
#3	.2023	.3821	-.2945	.1276	-4.292	.4510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.260**	**.0678**	**147.8**	**.4253**	**-.9476**	**.1292**
Stddev	1.364	.0732	17.6	.3452	.9347	1.339
%RSD	60.36	108.0	11.94	81.15	98.63	1036.
#1	-.7683	.0356	157.8	.8227	-.5790	.6409
#2	-3.444	.0162	158.3	.1999	-.2535	-1.390
#3	-2.569	.1516	127.5	.2534	-2.010	1.137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-386588/1-b@5 Acquired: 8/25/2016 16:35:14 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7011**	**.8266**	**.6709**	**3.177**	**1.548**	**-.2014**
Stddev	6.259	.4741	.2573	.115	.551	.2714
%RSD	892.7	57.36	38.35	3.629	35.61	134.8
#1	-4.776	1.374	.4035	3.285	1.610	.0263
#2	7.524	.5707	.9167	3.056	2.066	-.1287
#3	-.6445	.5353	.6926	3.189	.9686	-.5018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1884**	**.0549**	**.0067**	**11.05**
Stddev	.5637	.0590	.0253	5.67
%RSD	299.2	107.4	374.7	51.33
#1	-.4584	.0897	.0190	7.253
#2	.4595	.0883	.0236	17.56
#3	-.5664	-.0132	-.0223	8.320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4139.5**	**29403.**	**3459.4**
Stddev	15.1	108.	25.8
%RSD	.36363	.36571	.74536
#1	4152.9	29369.	3437.5
#2	4123.3	29523.	3487.8
#3	4142.4	29317.	3452.9

Sample Name: lb 460-386614/1-b@5 Acquired: 8/25/2016 16:39:15 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.05**	**.9848**	**.0394**	**.0977**	**-.0075**	**-22.26**
Stddev	3.56	.9255	.1893	.0879	.0741	12.04
%RSD	35.39	93.98	479.8	89.97	986.7	54.10
#1	-8.611	-.0776	-.0394	.0081	.0772	-28.89
#2	-14.10	1.616	-.0977	.1838	-.0605	-8.358
#3	-7.437	1.416	.2554	.1013	-.0392	-29.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1402**	**-.2254**	**.3017**	**1.117**	**2.315**	**84.90**
Stddev	.1077	.1441	.5953	.197	6.283	34.74
%RSD	76.81	63.94	197.3	17.62	271.4	40.92
#1	.0641	-.3680	-.1758	1.263	.9039	121.6
#2	.2634	-.2284	.1123	1.195	-3.142	80.55
#3	.0930	-.0798	.9688	.8934	9.184	52.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.297**	**.0375**	F **283200.**	**2.151**	**1.378**	**-.2865**
Stddev	5.054	.0617	3599.	.117	1.349	1.573
%RSD	389.6	164.7	1.271	5.456	97.90	548.9
#1	4.516	-.0004	287000.	2.284	-.1783	-.8382
#2	-3.765	.0041	282700.	2.107	2.215	1.488
#3	-4.643	.1086	279900.	2.062	2.098	-1.509
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-386614/1-b@5 Acquired: 8/25/2016 16:39:15 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9223**	**3.480**	**-.0573**	**3.159**	**2.209**	**-.0821**
Stddev	4.188	1.548	.3092	.098	.425	.0227
%RSD	454.0	44.49	539.7	3.102	19.24	27.59
#1	-5.029	4.189	-.3716	3.108	2.654	-.1059
#2	3.342	4.546	-.0468	3.272	2.166	-.0795
#3	-1.080	1.704	.2466	3.098	1.807	-.0608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6526**	**.0182**	**.1323**	**27.24**
Stddev	.4398	.0959	.0854	5.93
%RSD	67.40	527.2	64.52	21.79
#1	.4589	-.0799	.1690	29.93
#2	.3428	.0229	.1931	20.43
#3	1.156	.1117	.0347	31.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4046.3**	**28617.**	**3480.8**
Stddev	23.1	295.	56.3
%RSD	.57100	1.0295	1.6163
#1	4023.4	28294.	3415.8
#2	4069.6	28687.	3514.0
#3	4045.9	28871.	3512.5

Sample Name: lcs 460-386718/2-a Acquired: 8/25/2016 16:43:15 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1916.**	**1888.**	**47.03**	**1993.**	**49.90**	**18760.**
Stddev	26.	4.	.56	3.	.61	20.
%RSD	1.332	.2169	1.200	.1659	1.224	.1074
#1	1944.	1888.	47.19	1991.	50.60	18760.
#2	1894.	1891.	47.49	1997.	49.47	18740.
#3	1909.	1883.	46.40	1991.	49.64	18780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.44**	**489.4**	**201.9**	**233.7**	**1004.**	**18980.**
Stddev	.20	.8	1.0	1.8	4.	143.
%RSD	.3998	.1657	.4722	.7849	.4152	.7514
#1	49.22	489.3	201.6	232.1	1008.	19130.
#2	49.47	490.2	202.9	233.3	1000.	18850.
#3	49.61	488.6	201.1	235.7	1003.	18940.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18440.**	**501.2**	**18700.**	**501.7**	**494.1**	**450.3**
Stddev	41.	.3	218.	3.0	2.8	4.1
%RSD	.2202	.0579	1.165	.5938	.5695	.9051
#1	18410.	501.5	18950.	500.5	492.7	450.2
#2	18430.	500.9	18520.	505.1	497.4	454.5
#3	18490.	501.3	18640.	499.5	492.3	446.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-386718/2-a Acquired: 8/25/2016 16:43:15 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1878.**	**1996.**	**484.7**	**519.5**	**472.9**	**474.5**
Stddev	17.	16.	5.1	4.5	2.9	3.3
%RSD	.8898	.8036	1.058	.8571	.6223	.6984
#1	1872.	1984.	479.1	516.3	469.8	471.7
#2	1897.	2014.	486.0	524.6	475.7	478.2
#3	1866.	1989.	489.2	517.6	473.2	473.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**507.0**	**499.1**	**490.6**	**62.22**
Stddev	3.0	4.7	.6	9.98
%RSD	.5987	.9357	.1261	16.04
#1	505.5	504.5	489.9	50.71
#2	510.5	496.3	490.6	67.46
#3	505.0	496.5	491.2	68.50
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4087.4**	**29318.**	**3491.5**
Stddev	7.6	72.	44.6
%RSD	.18476	.24654	1.2784
#1	4086.2	29235.	3439.9
#2	4080.5	29371.	3518.7
#3	4095.4	29346.	3515.7

Sample Name: CCV Acquired: 8/25/2016 16:46:56 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122300.**	**2405.**	**1213.**	**9902.**	**1006.**	**123500.**
Stddev	169.	4.	2.	10.	2.	126.
%RSD	.1379	.1591	.1940	.0996	.2118	.1024
#1	122200.	2403.	1210.	9892.	1005.	123600.
#2	122200.	2402.	1213.	9905.	1005.	123400.
#3	122500.	2409.	1215.	9911.	1008.	123600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1233.**	**2442.**	**5010.**	**11980.**	**99120.**	**49420.**
Stddev	1.	3.	7.	41.	238.	120.
%RSD	.0948	.1053	.1339	.3453	.2397	.2425
#1	1233.	2440.	5005.	11950.	99070.	49350.
#2	1232.	2441.	5007.	11960.	98910.	49350.
#3	1234.	2445.	5017.	12030.	99380.	49560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**122900.**	**5030.**	**122000.**	**2469.**	**7390.**	**957.1**
Stddev	150.	9.	212.	5.	6.	.8
%RSD	.1221	.1825	.1736	.2039	.0749	.0862
#1	122800.	5030.	122200.	2467.	7388.	956.2
#2	122800.	5021.	121800.	2466.	7386.	957.4
#3	123100.	5039.	122100.	2475.	7397.	957.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 16:46:56 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2385.**	**2467.**	**2414.**	**2498.**	**960.3**	**2386.**
Stddev	4.	8.	3.	5.	3.4	4.
%RSD	.1536	.3367	.1071	.2122	.3547	.1847
#1	2386.	2475.	2417.	2493.	956.3	2388.
#2	2380.	2467.	2411.	2497.	962.1	2381.
#3	2387.	2458.	2414.	2503.	962.3	2390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**976.1**	**5036.**	**9975.**	**9249.**
Stddev	2.5	7.	24.	32.
%RSD	.2522	.1299	.2454	.3406
#1	975.2	5033.	9960.	9270.
#2	974.2	5032.	9961.	9263.
#3	978.9	5044.	10000.	9212.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3876.5**	**27405.**	**3264.8**
Stddev	4.4	60.	14.1
%RSD	.11231	.21862	.43206
#1	3880.3	27465.	3270.0
#2	3877.5	27406.	3275.5
#3	3871.8	27345.	3248.8

Sample Name: CCB Acquired: 8/25/2016 16:50:32 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-13.71**	**.8978**	**.1991**	**.2310**	**.1282**	**-2.248**
Stddev	13.20	.3954	.2000	.1379	.0428	2.940
%RSD	96.30	44.04	100.5	59.67	33.40	130.8
#1	-28.35	.6060	.3743	.2170	.1756	-5.459
#2	-2.721	1.348	-.0188	.1007	.0925	-1.596
#3	-10.05	.7396	.2418	.3753	.1164	.3107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1210**	**.0727**	**-.4744**	**.5881**	**.4152**	**30.79**
Stddev	.1044	.0488	.4635	.0822	8.622	23.19
%RSD	86.31	67.16	97.71	13.98	2077.	75.32
#1	.2229	.0651	-.2146	.5851	-9.529	53.85
#2	.0142	.1248	-1.009	.5074	5.806	31.06
#3	.1259	.0281	-.1990	.6717	4.969	7.468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.661**	**.0919**	**113.8**	**.5977**	**-.4713**	**.6815**
Stddev	3.636	.0331	18.9	.6200	.4612	1.195
%RSD	218.8	36.01	16.65	103.7	97.86	175.3
#1	-5.419	.0591	132.3	-.0212	-.0311	-.6976
#2	-1.405	.0914	114.6	1.219	-.9509	1.342
#3	1.839	.1252	94.45	.5953	-.4319	1.400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 16:50:32 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2660**	**2.300**	**-.1443**	**.1580**	**2.156**	**.4218**
Stddev	2.892	.958	.0761	.1218	.406	.1906
%RSD	1087.	41.64	52.73	77.11	18.84	45.20
#1	2.605	1.265	-.2163	.2198	2.622	.5978
#2	-3.178	3.155	-.1521	.2366	1.879	.2193
#3	-.2250	2.481	-.0646	.0176	1.967	.4482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3883**	**-.1032**	**.3484**	**10.97**
Stddev	.5361	.0457	.1738	19.89
%RSD	138.1	44.30	49.88	181.4
#1	.8857	-.1073	.2111	-11.55
#2	.4587	-.1468	.2903	18.31
#3	-.1795	-.0556	.5437	26.14
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.0**	**29385.**	**3438.9**
Stddev	3.9	114.	60.9
%RSD	.09311	.38815	1.7713
#1	4156.0	29298.	3379.8
#2	4154.4	29343.	3435.4
#3	4148.6	29514.	3501.5

Sample Name: CCVL Acquired: 8/25/2016 16:54:34 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**171.5**	**12.11**	**8.809**	**190.3**	**1.963**	**4557.**
Stddev	11.9	.54	.572	.2	.105	39.
%RSD	6.968	4.472	6.487	.1029	5.346	.8658
#1	167.5	12.74	8.623	190.4	1.952	4600.
#2	162.0	11.75	8.354	190.5	2.073	4523.
#3	184.9	11.85	9.451	190.1	1.864	4548.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.002**	**47.46**	**8.758**	**21.66**	**149.1**	**4553.**
Stddev	.065	.10	.124	.40	7.6	79.
%RSD	1.634	.2067	1.416	1.833	5.095	1.733
#1	3.996	47.49	8.740	22.04	144.8	4478.
#2	3.940	47.53	8.890	21.69	144.6	4546.
#3	4.071	47.35	8.643	21.25	157.8	4636.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4417.**	**14.83**	**4536.**	**39.55**	**8.748**	**18.23**
Stddev	6.	.05	38.	.94	.245	1.10
%RSD	.1275	.3089	.8379	2.384	2.799	6.050
#1	4417.	14.81	4502.	38.54	8.473	16.96
#2	4411.	14.89	4528.	39.72	8.828	19.00
#3	4422.	14.80	4577.	40.40	8.943	18.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 16:54:34 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.63**	**21.15**	**45.38**	**30.66**	**45.30**	**17.93**
Stddev	3.58	1.69	.32	.29	.30	.25
%RSD	24.45	7.983	.7155	.9303	.6575	1.387
#1	14.41	20.14	45.06	30.34	45.15	17.66
#2	11.17	23.10	45.71	30.76	45.10	18.15
#3	18.31	20.22	45.39	30.88	45.64	17.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.74**	**19.32**	**19.33**	F **8.854**
Stddev	.67	.13	.26	17.20
%RSD	1.411	.6801	1.332	194.2
#1	48.51	19.21	19.12	-2.066
#2	47.43	19.28	19.62	28.68
#3	47.27	19.46	19.25	-.0499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.3**	**29484.**	**3460.8**
Stddev	3.9	131.	8.2
%RSD	.09361	.44501	.23554
#1	4146.2	29341.	3464.0
#2	4138.5	29599.	3466.9
#3	4142.2	29511.	3451.5

Sample Name: mb 460-386718/1-a Acquired: 8/25/2016 16:59:03 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.265**	**-2.505**	**.0013**	**.2261**	**-.1064**	**-9.841**
Stddev	6.080	2.560	.1668	.2349	.0745	5.661
%RSD	73.57	102.2	13160.	103.9	70.04	57.53
#1	-8.267	-3.357	-.1527	.4339	-.0252	-10.52
#2	-2.184	-4.530	-.0219	.2733	-.1224	-3.871
#3	-14.34	.3730	.1785	-.0287	-.1716	-15.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2896**	**.0073**	**-.2789**	**-.0614**	**6.320**	**15.30**
Stddev	.0882	.2023	.1600	.2761	8.320	36.25
%RSD	30.46	2757.	57.35	449.3	131.6	236.9
#1	.2001	.2275	-.2577	-.2005	14.42	-26.02
#2	.2921	-.0351	-.4484	.2565	6.752	41.79
#3	.3765	-.1704	-.1306	-.2403	-2.207	30.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.571**	**.0062**	**56.21**	**-.0744**	**-1.525**	**.2606**
Stddev	10.77	.0685	6.89	.1182	.878	1.745
%RSD	419.0	1100.	12.25	158.8	57.56	669.6
#1	-8.202	.0386	48.26	.0617	-2.444	.0015
#2	9.850	-.0724	60.25	-.1513	-1.437	2.121
#3	-9.360	.0525	60.13	-.1337	-.6948	-1.340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-386718/1-a Acquired: 8/25/2016 16:59:03 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.308**	**3.400**	**-.5579**	**.1001**	**.8580**	**-.0089**
Stddev	.842	1.711	.7345	.1424	.3220	.0525
%RSD	64.39	50.32	131.7	142.3	37.53	587.6
#1	-.5622	4.167	-.4888	.2534	1.183	-.0322
#2	-2.222	1.439	-1.325	-.0281	.5391	-.0458
#3	-1.141	4.592	.1396	.0749	.8520	.0512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2755**	**-.0845**	**.1836**	**9.487**
Stddev	.0747	.0829	.1546	8.195
%RSD	27.10	98.11	84.18	86.39
#1	-.2137	-.0827	.3487	15.90
#2	-.2545	-.1683	.1599	12.31
#3	-.3584	-.0025	.0423	.2531
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4152.5**	**29429.**	**3460.7**
Stddev	9.1	338.	14.0
%RSD	.21980	1.1486	.40328
#1	4162.9	29038.	3476.7
#2	4148.9	29622.	3450.9
#3	4145.8	29626.	3454.6

Sample Name: pds 460-118638-a-6-c Acquired: 8/25/2016 17:03:01 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6088.**	**1922.**	**47.09**	**2048.**	**51.28**	**24010.**
Stddev	15.	12.	1.38	4.	.35	385.
%RSD	.2511	.6382	2.922	.2091	.6912	1.602
#1	6093.	1928.	45.56	2050.	51.69	23710.
#2	6071.	1930.	47.48	2051.	51.04	23870.
#3	6101.	1908.	48.23	2043.	51.12	24440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.48**	**492.4**	**209.5**	**262.2**	**2636.**	**19670.**
Stddev	.22	1.0	3.1	1.3	31.	69.
%RSD	.4424	.1944	1.491	.5138	1.192	.3514
#1	50.30	492.3	206.1	262.7	2609.	19720.
#2	50.41	493.4	210.3	263.2	2629.	19590.
#3	50.73	491.6	212.2	260.7	2671.	19700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20730.**	**512.3**	**30850.**	**506.8**	**591.3**	**448.4**
Stddev	205.	4.7	114.	1.5	.5	7.7
%RSD	.9871	.9089	.3709	.2938	.0844	1.712
#1	20590.	508.8	30930.	505.4	591.0	449.2
#2	20630.	510.6	30720.	508.4	591.1	455.7
#3	20960.	517.6	30900.	506.7	591.9	440.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-118638-a-6-c Acquired: 8/25/2016 17:03:01 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1882.**	**2004.**	**489.2**	**572.3**	**528.3**	**475.7**
Stddev	22.	8.	4.6	11.8	4.6	2.7
%RSD	1.176	.3912	.9457	2.066	.8747	.5721
#1	1882.	1996.	484.0	561.3	527.3	473.0
#2	1904.	2010.	490.7	570.6	533.3	478.4
#3	1860.	2008.	492.8	584.8	524.3	475.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**513.7**	**522.9**	**572.1**	**3803.**
Stddev	4.7	.8	1.3	16.
%RSD	.9224	.1450	.2272	.4257
#1	508.6	523.6	570.8	3802.
#2	514.7	522.1	572.2	3820.
#3	517.9	523.0	573.4	3788.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4069.7**	**29040.**	**3450.4**
Stddev	21.9	455.	59.8
%RSD	.53870	1.5673	1.7335
#1	4085.0	29289.	3477.6
#2	4079.4	29316.	3491.8
#3	4044.6	28515.	3381.8

Sample Name: 460-118638-a-6-e ms Acquired: 8/25/2016 17:06:42 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5772.**	**1812.**	**44.24**	**1931.**	**48.00**	**24480.**
Stddev	34.	8.	.49	11.	.44	49.
%RSD	.5897	.4479	1.103	.5466	.9189	.2020
#1	5792.	1805.	44.80	1939.	48.34	24480.
#2	5791.	1821.	43.92	1935.	48.15	24530.
#3	5732.	1809.	43.99	1919.	47.50	24430.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.49**	**468.1**	**211.0**	**245.9**	**2547.**	**18640.**
Stddev	.26	4.1	1.2	1.6	12.	92.
%RSD	.5462	.8814	.5740	.6486	.4883	.4918
#1	48.70	472.7	211.1	244.1	2533.	18670.
#2	48.57	466.9	212.1	247.2	2550.	18710.
#3	48.19	464.7	209.7	246.3	2557.	18530.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20780.**	**507.7**	**29170.**	**482.8**	**568.2**	**422.6**
Stddev	7.	1.7	114.	4.1	4.5	1.2
%RSD	.0348	.3265	.3904	.8555	.7877	.2950
#1	20790.	508.1	29240.	486.8	573.4	424.1
#2	20780.	509.2	29230.	483.0	565.8	422.0
#3	20780.	505.9	29040.	478.6	565.4	421.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118638-a-6-e ms Acquired: 8/25/2016 17:06:42 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1737.**	**1888.**	**477.5**	**567.1**	**486.1**	**442.7**
Stddev	15.	2.	2.3	1.5	.4	2.1
%RSD	.8498	.1130	.4866	.2607	.0864	.4783
#1	1720.	1890.	474.9	566.0	485.8	444.6
#2	1742.	1887.	479.2	566.4	485.9	443.0
#3	1748.	1886.	478.5	568.7	486.6	440.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**490.9**	**480.0**	**548.1**	**3222.**
Stddev	1.3	2.9	3.3	69.
%RSD	.2593	.5990	.5998	2.155
#1	490.6	482.5	547.7	3208.
#2	489.8	480.5	551.5	3298.
#3	492.3	476.9	544.9	3161.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3922.5**	**26373.**	**2951.3**
Stddev	4.5	151.	35.2
%RSD	.11497	.57112	1.1927
#1	3919.8	26245.	2911.1
#2	3920.0	26334.	2976.4
#3	3927.7	26539.	2966.4

Sample Name: 460-118638-a-6-d du Acquired: 8/25/2016 17:10:24 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4274.**	**23.19**	**.0149**	**47.49**	**.1284**	**5705.**
Stddev	11.	1.10	.4712	.41	.1284	7.
%RSD	.2483	4.726	3171.	.8546	100.0	.1181
#1	4285.	22.76	.5245	47.60	-.0199	5707.
#2	4273.	22.37	-.0748	47.82	.2008	5711.
#3	4264.	24.44	-.4051	47.04	.2042	5698.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9036**	**.3395**	**7.392**	**30.16**	**1809.**	**527.7**
Stddev	.1511	.1401	.137	.52	24.	4.4
%RSD	16.72	41.26	1.850	1.739	1.327	.8412
#1	.9863	.1910	7.369	29.56	1790.	531.8
#2	.9952	.3580	7.269	30.52	1836.	523.0
#3	.7292	.4693	7.539	30.40	1800.	528.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2285.**	**7.853**	**12250.**	**4.920**	**103.1**	**2.839**
Stddev	22.	.096	89.	.275	.8	1.952
%RSD	.9677	1.228	.7236	5.590	.7281	68.76
#1	2260.	7.743	12350.	4.611	104.0	1.450
#2	2291.	7.921	12180.	5.012	102.6	5.070
#3	2303.	7.895	12220.	5.138	102.9	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118638-a-6-d du Acquired: 8/25/2016 17:10:24 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.178**	**1.636**	**4.827**	**52.83**	**55.73**	**1.849**
Stddev	4.307	.546	.728	.21	.37	.335
%RSD	365.5	33.35	15.08	.4035	.6554	18.10
#1	4.275	1.956	4.151	52.74	56.13	2.147
#2	-3.740	1.006	4.732	53.07	55.66	1.913
#3	3.000	1.946	5.597	52.67	55.41	1.487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.105**	**16.50**	**78.77**	**3404.**
Stddev	.710	.10	1.21	47.
%RSD	17.28	.6214	1.530	1.384
#1	3.824	16.55	77.38	3361.
#2	3.579	16.56	79.50	3454.
#3	4.912	16.38	79.43	3396.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.5**	**26844.**	**3003.0**
Stddev	20.3	277.	52.9
%RSD	.51032	1.0326	1.7621
#1	3950.7	26530.	2941.9
#2	3980.5	26949.	3035.3
#3	3989.4	27054.	3031.8

Sample Name: 460-118638-a-6-c Acquired: 8/25/2016 17:14:23 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4222.**	**22.79**	**-.4565**	**46.75**	**.2328**	**5565.**
Stddev	32.	.69	.3936	.14	.2251	54.
%RSD	.7611	3.049	86.22	.3069	96.69	.9733
#1	4188.	23.25	-.2006	46.77	.3477	5538.
#2	4227.	21.99	-.9098	46.88	.3773	5531.
#3	4252.	23.13	-.2592	46.60	-.0266	5628.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8724**	**.4684**	**7.023**	**28.87**	**1745.**	**537.4**
Stddev	.1469	.1509	.763	.73	22.	19.8
%RSD	16.84	32.21	10.86	2.521	1.283	3.679
#1	.7479	.3172	6.168	29.00	1731.	522.8
#2	.8348	.6189	7.635	28.08	1732.	529.4
#3	1.034	.4691	7.266	29.51	1770.	559.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2230.**	**7.697**	**12120.**	**4.775**	**99.80**	**1.318**
Stddev	37.	.099	115.	.445	1.88	1.369
%RSD	1.651	1.287	.9492	9.311	1.886	103.9
#1	2209.	7.618	11990.	4.418	101.9	1.250
#2	2208.	7.808	12160.	5.273	99.06	2.720
#3	2272.	7.665	12210.	4.635	98.41	-.0159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118638-a-6-c Acquired: 8/25/2016 17:14:23 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.615**	**2.069**	**4.373**	**50.75**	**54.18**	**1.886**
Stddev	3.296	1.588	.537	.16	.82	.203
%RSD	204.1	76.72	12.28	.3054	1.513	10.74
#1	3.135	.4499	3.757	50.61	55.12	1.902
#2	3.878	2.135	4.621	50.72	53.78	2.080
#3	-2.167	3.623	4.741	50.92	53.63	1.676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.453**	**16.69**	**76.76**	**3360.**
Stddev	.482	.32	.36	17.
%RSD	10.82	1.903	.4636	.4979
#1	4.881	16.32	76.34	3345.
#2	4.548	16.91	76.94	3378.
#3	3.931	16.83	76.98	3356.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4026.0**	**27216.**	**3007.2**
Stddev	11.0	152.	28.0
%RSD	.27301	.55887	.93214
#1	4013.4	27091.	3029.0
#2	4033.7	27385.	3017.0
#3	4030.8	27173.	2975.6

Sample Name: sd 460-118638-a-6-c Acquired: 8/25/2016 17:18:21 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**811.5**	**4.088**	**.0654**	**9.106**	**.1974**	**1110.**
Stddev	16.8	1.464	.5392	.061	.1123	6.
%RSD	2.076	35.81	824.2	.6665	56.86	.4985
#1	819.0	5.444	.3870	9.142	.2521	1104.
#2	823.2	4.283	.3664	9.036	.2719	1112.
#3	792.2	2.536	-.5571	9.141	.0683	1114.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1946**	**.0224**	**1.022**	**5.383**	**358.4**	**136.4**
Stddev	.0413	.1876	.668	.297	26.5	21.9
%RSD	21.24	835.8	65.32	5.526	7.394	16.05
#1	.2397	.2182	1.594	5.054	345.0	120.2
#2	.1587	-.1556	.2883	5.633	389.0	161.3
#3	.1853	.0047	1.185	5.463	341.4	127.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**447.7**	**1.568**	**2443.**	**1.242**	**18.61**	**.4536**
Stddev	10.0	.073	20.	.351	1.41	.7712
%RSD	2.239	4.672	.8025	28.29	7.552	170.0
#1	445.5	1.619	2422.	1.550	18.98	.7741
#2	458.6	1.601	2448.	.8595	17.05	1.013
#3	438.9	1.484	2460.	1.318	19.79	-.4262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-118638-a-6-c Acquired: 8/25/2016 17:18:21 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6049**	**2.346**	**.9653**	**11.68**	**11.64**	**.3279**
Stddev	1.465	1.307	.2628	.11	.16	.3985
%RSD	242.1	55.73	27.23	.9776	1.415	121.6
#1	-.3234	3.082	.8941	11.55	11.55	.6115
#2	-.1552	.8364	1.256	11.70	11.54	.4999
#3	2.293	3.119	.7454	11.78	11.83	-.1278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8863**	**3.127**	**15.32**	**664.7**
Stddev	1.036	.058	.47	21.4
%RSD	116.8	1.863	3.050	3.224
#1	-.0277	3.114	15.76	651.0
#2	.6757	3.190	14.83	689.4
#3	2.011	3.076	15.39	653.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3965.1**	**26972.**	**2996.6**
Stddev	1.7	261.	45.6
%RSD	.04207	.96730	1.5206
#1	3964.9	27273.	3048.9
#2	3966.9	26838.	2975.6
#3	3963.6	26805.	2965.3

Sample Name: Ib 460-386615/1-b Acquired: 8/25/2016 17:22:21 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.15**	**-1.367**	**.2788**	**.0647**	**.1365**	**5.917**
Stddev	4.18	1.196	.8384	.2763	.1043	8.107
%RSD	41.18	87.47	300.7	426.9	76.39	137.0
#1	-7.862	-2.469	-.2913	-.1902	.0800	-3.444
#2	-7.612	-.0957	1.241	.0260	.2569	10.47
#3	-14.97	-1.536	-.1138	.3583	.0727	10.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0105**	**.1370**	**-.2258**	**-.0247**	**-.3051**	**28.57**
Stddev	.0596	.2604	.3855	.4263	8.544	26.12
%RSD	566.4	190.1	170.7	1729.	2800.	91.44
#1	-.0555	.2286	-.5316	-.5167	-9.905	57.10
#2	.0603	-.1569	.2072	.2349	2.523	5.823
#3	.0268	.3392	-.3530	.2079	6.467	22.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.573**	**.0126**	**361.9**	**.3284**	**.0557**	**.9968**
Stddev	5.909	.0975	15.2	.2944	2.728	1.607
%RSD	165.4	772.5	4.202	89.63	4901.	161.2
#1	1.862	-.0963	366.9	.6302	-2.587	.4192
#2	-2.719	.0916	344.8	.0421	2.862	2.813
#3	-9.863	.0425	374.0	.3130	-.1078	-.2417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-386615/1-b Acquired: 8/25/2016 17:22:21 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.204**	**1.602**	**.0795**	**2.029**	**9.237**	**.4521**
Stddev	.408	1.240	.6166	.142	.362	.1843
%RSD	33.88	77.42	775.4	7.016	3.923	40.75
#1	-1.262	2.420	-.4199	1.906	9.631	.2575
#2	-1.580	.1750	.7686	1.996	9.161	.4750
#3	-.7704	2.211	-.1102	2.185	8.919	.6239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4936**	**.0136**	**.0684**	**79.01**
Stddev	.6303	.0419	.1542	12.04
%RSD	127.7	307.1	225.6	15.24
#1	1.065	-.0318	.2453	69.20
#2	.5984	.0508	-.0028	92.45
#3	-.1826	.0219	-.0374	75.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.0**	**26779.**	**2927.8**
Stddev	20.2	162.	73.6
%RSD	.51229	.60409	2.5124
#1	3924.9	26609.	2881.2
#2	3939.3	26931.	2889.6
#3	3964.8	26796.	3012.6

Sample Name: 460-118907-a-1-q@5 Acquired: 8/25/2016 17:26:22 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**146.4**	**2.696**	**-.2173**	**125.7**	**1.323**	**16120.**
Stddev	4.5	.606	.5641	.8	.159	44.
%RSD	3.092	22.48	259.6	.6091	12.03	.2717
#1	149.4	2.172	-.4647	126.1	1.186	16160.
#2	141.2	3.359	.4283	126.2	1.284	16070.
#3	148.5	2.556	-.6154	124.8	1.498	16110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8357**	**13.28**	**-.3032**	**48.77**	**843.6**	**713.5**
Stddev	.1472	.18	.6798	.87	15.5	42.9
%RSD	17.61	1.349	224.2	1.787	1.836	6.017
#1	.7828	13.12	.3489	47.77	826.9	664.3
#2	.7222	13.48	-.2511	49.32	857.5	743.6
#3	1.002	13.25	-1.008	49.23	846.5	732.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3377.**	**735.9**	F **279000.**	**20.76**	**51.78**	**.8766**
Stddev	22.	2.4	4439.	.83	.79	2.884
%RSD	.6423	.3284	1.591	4.015	1.528	328.9
#1	3366.	737.3	283800.	20.14	51.30	.9143
#2	3364.	733.1	277900.	20.43	51.35	-2.026
#3	3402.	737.3	275200.	21.71	52.70	3.741
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-118907-a-1-q@5 Acquired: 8/25/2016 17:26:22 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3375**	**.2881**	**-1.106**	**752.6**	**56.78**	**-.1120**
Stddev	1.058	.5095	.127	7.8	.30	.3178
%RSD	313.5	176.8	11.44	1.033	.5228	283.7
#1	1.495	.6747	-1.218	761.5	57.05	.2443
#2	.0979	.4788	-.9685	747.1	56.46	-.3662
#3	-.5803	-.2892	-1.131	749.2	56.82	-.2141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1891**	**43.55**	**.8248**	**1976.**
Stddev	.8867	.10	.1610	25.
%RSD	468.9	.2222	19.52	1.273
#1	1.047	43.66	1.006	1947.
#2	-.7236	43.49	.7720	1988.
#3	.2436	43.49	.6968	1993.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3909.4**	**26364.**	**3003.4**
Stddev	14.5	208.	30.5
%RSD	.37035	.79059	1.0142
#1	3916.4	26404.	2986.6
#2	3919.1	26550.	3038.6
#3	3892.8	26139.	2985.1

Sample Name: 460-119042-a-5-b@5 Acquired: 8/25/2016 17:30:18 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.17**	**1.311**	**-.3488**	**69.57**	**.1619**	**9269.**
Stddev	4.22	1.062	.0942	.31	.0864	46.
%RSD	7.943	80.98	27.01	.4388	53.40	.4932
#1	54.69	.1641	-.3658	69.24	.0908	9218.
#2	48.40	1.510	-.4334	69.85	.2581	9281.
#3	56.43	2.259	-.2473	69.62	.1367	9307.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4100**	**.3590**	**.0897**	**1.549**	**47.27**	**1877.**
Stddev	.0598	.1599	.8619	.582	6.26	30.
%RSD	14.60	44.53	960.9	37.59	13.25	1.621
#1	.4709	.5418	-.1758	1.047	53.99	1854.
#2	.3513	.2454	-.6082	2.187	41.59	1911.
#3	.4078	.2898	1.053	1.412	46.23	1865.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3513.**	**40.05**	F **266000.**	**1.488**	**6.589**	**1.334**
Stddev	45.	.65	5986.	.546	1.064	.928
%RSD	1.284	1.625	2.250	36.69	16.15	69.56
#1	3462.	39.31	268100.	.9189	5.468	2.400
#2	3529.	40.32	270700.	2.008	7.586	.9007
#3	3549.	40.53	259200.	1.539	6.713	.7021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119042-a-5-b@5 Acquired: 8/25/2016 17:30:18 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.424**	**1.934**	**.5224**	**13.81**	**20.84**	**.1184**
Stddev	4.804	1.632	.8173	.30	.27	.4817
%RSD	198.2	84.38	156.5	2.208	1.310	406.7
#1	6.765	3.657	1.464	13.74	20.90	.4301
#2	3.244	.4112	-.0026	13.54	21.07	-.4363
#3	-2.737	1.734	.1057	14.14	20.54	.3615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1434**	**41.14**	**1.625**	**896.0**
Stddev	.1725	.59	.168	2.8
%RSD	120.3	1.429	10.34	.3088
#1	.0333	40.71	1.626	893.2
#2	-.3113	41.81	1.793	896.0
#3	-.1523	40.90	1.457	898.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3922.8**	**26287.**	**2954.0**
Stddev	3.5	40.	77.5
%RSD	.08903	.15213	2.6247
#1	3919.7	26330.	2925.7
#2	3926.6	26251.	2894.7
#3	3922.1	26280.	3041.7

Sample Name: 460-119038-j-1-b@5 Acquired: 8/25/2016 17:34:17 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33.90**	**1.110**	**-.2190**	**34.13**	**.1234**	**9800.**
Stddev	2.55	1.156	.5189	.03	.1066	421.
%RSD	7.517	104.1	236.9	.0760	86.35	4.295
#1	35.04	2.202	-.4117	34.16	.2431	10290.
#2	35.67	-.1006	-.6141	34.11	.0390	9580.
#3	30.98	1.229	.3686	34.12	.0881	9534.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8304**	**.3279**	**2.313**	**27.55**	**3037.**	**5611.**
Stddev	.1345	.1712	.336	1.46	69.	61.
%RSD	16.20	52.21	14.51	5.310	2.283	1.080
#1	.9716	.2275	2.294	26.05	3116.	5544.
#2	.7036	.2306	1.988	27.62	2986.	5629.
#3	.8159	.5256	2.658	28.98	3009.	5662.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1440.**	**113.3**	**140400.**	**4.110**	**10.77**	**2.390**
Stddev	35.	1.8	824.	.588	.83	1.698
%RSD	2.448	1.599	.5871	14.30	7.697	71.05
#1	1481.	115.4	139500.	4.689	11.53	.8089
#2	1416.	112.0	140800.	3.513	10.89	4.185
#3	1424.	112.5	141000.	4.129	9.889	2.176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119038-j-1-b@5 Acquired: 8/25/2016 17:34:17 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.936**	**2.755**	**.9138**	**954.0**	**50.31**	**21.34**
Stddev	.826	1.960	.2820	5.0	.61	.26
%RSD	42.66	71.15	30.86	.5199	1.209	1.240
#1	-2.396	2.710	.6010	959.2	50.20	21.48
#2	-.9822	4.737	.9918	953.4	50.96	21.04
#3	-2.428	.8177	1.149	949.3	49.76	21.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5520**	**48.72**	**3.051**	**1292.**
Stddev	.3188	1.48	.113	117.
%RSD	57.75	3.034	3.714	9.032
#1	.3343	47.11	2.936	1157.
#2	.4038	49.02	3.163	1362.
#3	.9179	50.02	3.054	1357.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4056.1**	**28765.**	**3451.5**
Stddev	7.4	1356.	308.1
%RSD	.18129	4.7154	8.9267
#1	4048.5	27199.	3095.7
#2	4063.1	29535.	3629.3
#3	4056.7	29561.	3629.4

Sample Name: CCV Acquired: 8/25/2016 17:38:16 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125000.**	**2393.**	**1220.**	**9964.**	**1020.**	**128700.**
Stddev	847.	7.	4.	6.	3.	2302.
%RSD	.6772	.2963	.3686	.0642	.3401	1.789
#1	124100.	2392.	1215.	9957.	1016.	126200.
#2	125300.	2401.	1223.	9965.	1022.	129000.
#3	125700.	2387.	1221.	9969.	1022.	130800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1253.**	**2455.**	**5170.**	**11760.**	**101700.**	**50170.**
Stddev	3.	3.	69.	95.	1335.	277.
%RSD	.2490	.1136	1.333	.8051	1.312	.5513
#1	1249.	2453.	5099.	11860.	100400.	49850.
#2	1254.	2458.	5177.	11750.	101900.	50350.
#3	1255.	2455.	5236.	11670.	103000.	50310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126300.**	**5156.**	**123500.**	**2494.**	**7487.**	**941.6**
Stddev	1914.	60.	601.	3.	17.	4.7
%RSD	1.515	1.158	.4864	.1244	.2295	.5032
#1	124300.	5095.	122900.	2490.	7469.	946.0
#2	126600.	5161.	123500.	2496.	7503.	942.1
#3	128100.	5214.	124100.	2496.	7490.	936.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 17:38:16 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2359.**	**2468.**	**2443.**	**2610.**	**942.5**	**2382.**
Stddev	12.	5.	19.	18.	3.1	1.
%RSD	.5127	.2106	.7854	.6809	.3337	.0286
#1	2357.	2463.	2424.	2593.	941.9	2382.
#2	2372.	2467.	2443.	2610.	946.0	2383.
#3	2348.	2474.	2463.	2628.	939.8	2382.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**993.2**	**5075.**	**10100.**	**8838.**
Stddev	1.5	17.	39.	293.
%RSD	.1545	.3387	.3910	3.318
#1	991.9	5091.	10060.	9159.
#2	994.9	5077.	10110.	8771.
#3	992.8	5057.	10140.	8584.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3772.7**	**26167.**	**2953.7**
Stddev	15.5	642.	140.8
%RSD	.40997	2.4523	4.7684
#1	3780.0	26827.	3110.1
#2	3783.2	26128.	2914.1
#3	3755.0	25546.	2836.9

Sample Name: CCB Acquired: 8/25/2016 17:41:51 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-17.12**	**-.7180**	**.2640**	**-.0422**	**.1894**	**-14.35**
Stddev	11.09	1.139	.6202	.0376	.0910	4.65
%RSD	64.81	158.6	234.9	89.20	48.06	32.41
#1	-25.61	-2.031	.8841	-.0393	.0848	-10.71
#2	-4.567	-.1214	.2643	-.0061	.2508	-19.59
#3	-21.18	-.0018	-.3563	-.0811	.2326	-12.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0834**	**-.0318**	**-.2893**	**.1922**	**-9.220**	**35.12**
Stddev	.0233	.2563	.2733	.3986	3.005	16.17
%RSD	27.97	806.3	94.49	207.4	32.59	46.03
#1	.1045	.2321	.0059	-.0680	-8.260	36.30
#2	.0874	-.2798	-.3401	-.0067	-12.59	50.66
#3	.0584	-.0477	-.5337	.6511	-6.812	18.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.450**	**.1218**	**70.99**	**.3402**	**-.9200**	**1.008**
Stddev	4.427	.0201	27.38	.2374	.1636	1.666
%RSD	180.7	16.52	38.57	69.79	17.78	165.3
#1	.5778	.1012	100.6	.5590	-.8465	.2953
#2	-7.531	.1414	46.50	.3738	-.8061	2.911
#3	-.3980	.1229	65.93	.0878	-1.107	-.1836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 17:41:51 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5966**	**2.188**	**-.0856**	**.0092**	**1.744**	**.6430**
Stddev	1.436	1.786	.7479	.0414	.387	.6652
%RSD	240.7	81.60	873.3	447.6	22.21	103.4
#1	1.060	3.168	-.9492	-.0300	1.604	1.331
#2	-1.362	.1273	.3416	.0052	2.182	.5953
#3	-1.488	3.269	.3507	.0525	1.446	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5215**	**.0088**	**.2992**	**3.918**
Stddev	.5970	.0840	.3906	2.545
%RSD	114.5	959.4	130.5	64.95
#1	-.1350	.0718	.7452	6.594
#2	1.032	-.0866	.1346	1.528
#3	.6674	.0411	.0179	3.631
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3953.4**	**26647.**	**2947.3**
Stddev	23.7	30.	47.7
%RSD	.60009	.11256	1.6198
#1	3980.6	26680.	2916.8
#2	3937.3	26621.	2922.8
#3	3942.2	26641.	3002.3

Sample Name: CCVL Acquired: 8/25/2016 17:45:53 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**182.5**	**13.59**	**8.648**	**189.0**	**2.027**	**4831.**
Stddev	25.2	.31	.326	.7	.094	9.
%RSD	13.83	2.307	3.771	.3555	4.617	.1940
#1	159.6	13.66	8.553	189.7	2.133	4833.
#2	178.3	13.86	9.011	189.0	1.990	4821.
#3	209.6	13.25	8.379	188.3	1.957	4840.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.993**	**47.40**	**9.882**	**20.85**	**150.5**	**4534.**
Stddev	.090	.21	.396	.96	15.2	55.
%RSD	2.264	.4420	4.011	4.593	10.10	1.204
#1	4.016	47.58	9.672	20.29	145.9	4480.
#2	4.069	47.47	10.34	20.32	138.1	4589.
#3	3.893	47.17	9.635	21.96	167.4	4534.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4631.**	**15.38**	**4462.**	**39.65**	**11.26**	**17.22**
Stddev	91.	.32	12.	.42	.25	1.49
%RSD	1.971	2.087	.2674	1.066	2.184	8.629
#1	4581.	15.18	4448.	40.13	11.25	17.34
#2	4575.	15.20	4469.	39.45	11.51	15.67
#3	4736.	15.75	4469.	39.36	11.02	18.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 17:45:53 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.12**	**21.33**	**46.10**	**32.31**	**43.70**	**17.39**
Stddev	3.13	2.03	.65	.16	.44	.19
%RSD	18.29	9.520	1.405	.5028	1.015	1.100
#1	13.86	23.05	45.66	32.50	43.95	17.59
#2	17.38	19.09	45.80	32.20	43.97	17.21
#3	20.11	21.85	46.85	32.24	43.19	17.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.45**	**18.81**	**19.49**	F **-2.006**
Stddev	.10	.22	.18	23.23
%RSD	.2102	1.143	.9399	1158.
#1	48.44	19.01	19.36	16.47
#2	48.35	18.82	19.41	5.584
#3	48.56	18.58	19.70	-28.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3983.3**	**27049.**	**2974.9**
Stddev	4.2	179.	28.6
%RSD	.10577	.66170	.96168
#1	3979.7	27157.	2945.3
#2	3982.2	27148.	2977.2
#3	3987.9	26843.	3002.4

Sample Name: 460-119038-k-4-b@5 Acquired: 8/25/2016 17:49:55 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.238**	**-1.036**	**-.2398**	**38.32**	**.0724**	**1087.**
Stddev	10.57	.309	.5892	.39	.1864	5.
%RSD	472.3	29.76	245.7	1.016	257.4	.4187
#1	5.886	-.7448	-.3322	37.88	.2549	1092.
#2	10.50	-1.359	-.7773	38.52	-.1177	1083.
#3	-9.674	-1.005	.3901	38.58	.0801	1088.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1953**	**-.2283**	**.2054**	**-.1509**	**21.75**	**227.6**
Stddev	.0649	.2133	.2301	.9188	10.71	10.7
%RSD	33.24	93.42	112.0	608.8	49.27	4.717
#1	.1527	-.0065	.0053	-1.211	30.51	236.7
#2	.1633	-.2466	.1542	.4123	9.803	215.8
#3	.2700	-.4319	.4568	.3461	24.93	230.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**95.76**	**3.077**	**4759.**	**.2982**	**-.4007**	**2.369**
Stddev	8.75	.025	9.	.3006	1.405	1.342
%RSD	9.139	.8050	.1917	100.8	350.7	56.64
#1	98.36	3.105	4763.	-.0324	1.112	2.863
#2	86.00	3.059	4766.	.3722	-.6488	3.393
#3	102.9	3.066	4749.	.5549	-1.665	.8499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119038-k-4-b@5 Acquired: 8/25/2016 17:49:55 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.599**	**.4574**	**.1032**	**7.097**	**6.294**	**.0002**
Stddev	1.282	1.191	.3326	.176	.158	.2247
%RSD	49.35	260.4	322.3	2.484	2.515	124000.
#1	-1.677	1.393	.4871	7.265	6.465	-.2592
#2	-2.055	-.8832	-.0786	6.913	6.265	.1327
#3	-4.063	.8622	-.0989	7.113	6.152	.1271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2932**	**14.37**	**.0568**	**39.80**
Stddev	.3034	.12	.1136	1.96
%RSD	103.5	.8581	200.1	4.921
#1	-.2236	14.51	.1163	37.55
#2	-.6253	14.27	-.0742	41.13
#3	-.0307	14.34	.1282	40.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.4**	**26903.**	**2970.1**
Stddev	12.7	175.	26.4
%RSD	.31903	.65158	.88995
#1	3977.9	26828.	2940.7
#2	3997.3	26778.	2977.8
#3	4001.9	27104.	2991.9

Sample Name: 460-119040-d-1-b@5 Acquired: 8/25/2016 17:53:56 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2036**	**-1.026**	**2.887**	**202.2**	**.1218**	**52860.**
Stddev	13.36	.616	.659	.5	.0984	95.
%RSD	6561.	60.06	22.83	.2356	80.78	.1804
#1	-8.515	-.3360	2.156	202.6	.1246	52750.
#2	-7.303	-1.521	3.435	201.7	.2188	52890.
#3	15.21	-1.220	3.071	202.4	.0221	52940.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.412**	**1.479**	**.5763**	**-5.044**	**135000.**	**4558.**
Stddev	.204	.230	1.282	.624	56.	162.
%RSD	8.459	15.52	222.4	12.36	.0417	3.549
#1	-2.462	1.214	2.019	-4.600	135000.	4431.
#2	-2.187	1.611	-.4329	-5.757	134900.	4504.
#3	-2.586	1.612	.1433	-4.774	135000.	4740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6146.**	**910.5**	F **374700.**	**1.226**	**30.97**	**-.4308**
Stddev	64.	1.5	4788.	.433	.79	.4988
%RSD	1.038	.1631	1.278	35.29	2.558	115.8
#1	6079.	908.8	379600.	1.309	30.98	-.7322
#2	6152.	911.4	370000.	1.611	31.76	-.7052
#3	6206.	911.3	374500.	.7580	30.17	.1450
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119040-d-1-b@5 Acquired: 8/25/2016 17:53:56 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.753**	**7.491**	**-1.251**	**28.50**	**169.3**	**.1426**
Stddev	2.598	1.303	.783	.21	1.6	.2808
%RSD	94.37	17.39	62.64	.7432	.9256	197.0
#1	-.3028	8.691	-.3987	28.33	168.0	.4185
#2	-5.477	6.106	-1.413	28.74	168.8	-.1428
#3	-2.479	7.677	-1.940	28.44	171.0	.1520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1699**	**301.3**	**1.269**	**377.7**
Stddev	.8836	3.9	.099	10.6
%RSD	520.0	1.310	7.769	2.802
#1	-1.084	301.7	1.354	389.3
#2	.6801	297.1	1.161	375.2
#3	-.1062	305.0	1.293	368.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3876.5**	**26237.**	**3000.3**
Stddev	11.7	78.	23.0
%RSD	.30229	.29713	.76542
#1	3869.0	26250.	2990.5
#2	3870.4	26153.	3026.6
#3	3890.0	26308.	2984.0

Sample Name: 460-119040-e-5-b@5 Acquired: 8/25/2016 17:57:58 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.469**	**1.903**	**-.3703**	**21.89**	**.1971**	**9827.**
Stddev	15.08	1.285	.4086	.15	.0899	52.
%RSD	434.6	67.52	110.3	.6825	45.62	.5322
#1	-18.30	2.295	-.1385	21.74	.2999	9776.
#2	-3.956	2.947	-.8420	22.04	.1587	9825.
#3	11.85	.4679	-.1302	21.88	.1328	9880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2803**	**.2126**	**-.4519**	**-.0934**	**11.62**	**614.1**
Stddev	.1702	.1252	.5157	.4296	5.85	28.0
%RSD	60.71	58.89	114.1	460.2	50.37	4.561
#1	.4766	.2593	-1.002	-.5627	18.38	595.5
#2	.1737	.3077	.0202	.0025	7.995	646.4
#3	.1907	.0707	-.3737	.2802	8.495	600.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1584.**	**185.5**	**45030.**	**.1842**	**-.9707**	**-.4641**
Stddev	22.	2.5	535.	.1419	.2403	1.838
%RSD	1.377	1.328	1.188	77.08	24.76	396.0
#1	1558.	182.9	45280.	.2678	-1.229	1.524
#2	1597.	185.8	45390.	.2644	-.7534	-.8167
#3	1596.	187.8	44410.	.0203	-.9299	-2.100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119040-e-5-b@5 Acquired: 8/25/2016 17:57:58 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.094**	**2.386**	**-.0455**	**4.258**	**33.86**	**.6380**
Stddev	1.646	1.063	.8105	.147	.42	.4091
%RSD	53.20	44.57	1783.	3.451	1.231	64.13
#1	1.463	2.670	-.5439	4.425	33.62	.1865
#2	3.063	1.209	.8897	4.151	33.62	.7435
#3	4.755	3.278	-.4822	4.197	34.34	.9841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2772**	**32.15**	**.6650**	**659.6**
Stddev	.1090	.20	.1900	4.6
%RSD	39.32	.6192	28.57	.6934
#1	-.2756	32.29	.4478	664.7
#2	-.3870	32.23	.7467	658.4
#3	-.1690	31.92	.8004	655.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3991.3**	**26950.**	**3039.2**
Stddev	6.1	113.	10.1
%RSD	.15401	.42040	.33121
#1	3990.7	27071.	3036.7
#2	3997.7	26846.	3030.6
#3	3985.4	26934.	3050.3

Sample Name: 460-119039-e-1-b@5 Acquired: 8/25/2016 18:01:56 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42.81**	**1.300**	**.0864**	**86.97**	**.2235**	**15000.**
Stddev	17.18	1.124	.0381	.49	.1233	51.
%RSD	40.12	86.46	44.05	.5581	55.16	.3368
#1	49.99	1.587	.1111	86.55	.1756	15020.
#2	55.23	2.253	.0426	87.50	.3636	14940.
#3	23.21	.0605	.1057	86.86	.1314	15040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.060**	**2.000**	**-.4848**	**2.647**	**27.23**	**595.8**
Stddev	.037	.112	.4302	.371	18.54	35.0
%RSD	1.805	5.611	88.73	14.02	68.08	5.874
#1	2.021	2.111	-.5763	2.241	21.56	555.8
#2	2.096	1.886	-.8619	2.969	47.94	620.7
#3	2.062	2.003	-.0162	2.733	12.19	610.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4118.**	**622.4**	F **284500.**	**4.928**	**6.412**	**.4712**
Stddev	61.	1.3	3387.	.281	1.025	1.351
%RSD	1.486	.2086	1.190	5.707	15.99	286.7
#1	4051.	623.6	287800.	5.194	7.145	-.1220
#2	4131.	621.0	284800.	4.955	5.241	2.017
#3	4171.	622.7	281000.	4.634	6.852	-.4818
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119039-e-1-b@5 Acquired: 8/25/2016 18:01:56 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3514**	**1.984**	**-1.787**	**326.7**	**19.19**	**-.2279**
Stddev	3.194	1.107	.612	2.0	.45	.3573
%RSD	909.0	55.78	34.24	.6207	2.347	156.8
#1	.3807	.7232	-1.669	324.4	18.68	-.6192
#2	-3.848	2.795	-2.449	327.4	19.54	.0809
#3	2.413	2.433	-1.242	328.2	19.34	-.1453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0805**	**37.70**	**.9458**	**1014.**
Stddev	1.159	.07	.2460	11.
%RSD	1440.	.1947	26.01	1.051
#1	-1.178	37.78	.6906	1002.
#2	1.133	37.63	.9653	1016.
#3	-.1967	37.69	1.182	1023.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3908.6**	**26293.**	**2987.5**
Stddev	17.8	83.	22.3
%RSD	.45508	.31538	.74680
#1	3924.1	26309.	3011.5
#2	3889.2	26367.	2967.5
#3	3912.5	26203.	2983.3

Sample Name: 460-119040-a-3-c@5 Acquired: 8/25/2016 18:05:53 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**136.9**	**1.797**	**-.1424**	**13.63**	**.0903**	**1030.**
Stddev	5.9	1.635	.4240	.43	.1014	3.
%RSD	4.297	91.01	297.7	3.172	112.3	.3179
#1	130.2	2.489	.3422	13.14	-.0234	1028.
#2	139.4	-.0707	-.3244	13.93	.1716	1034.
#3	141.1	2.971	-.4451	13.83	.1227	1028.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7781**	**.8232**	**.9397**	**348.4**	**5044.**	**259.0**
Stddev	.0438	.0907	.4018	3.1	87.	27.7
%RSD	5.633	11.02	42.76	.8844	1.726	10.68
#1	.7692	.8015	.4783	345.6	4950.	285.1
#2	.8257	.9229	1.128	348.1	5060.	261.9
#3	.7394	.7453	1.212	351.7	5122.	230.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**142.4**	**53.46**	F **279600.**	**7.664**	**6.265**	**1.316**
Stddev	10.2	.68	8826.	.483	.999	.535
%RSD	7.185	1.274	3.157	6.306	15.95	40.67
#1	131.4	52.85	288700.	7.791	5.160	.7249
#2	151.5	53.35	278900.	8.071	6.529	1.768
#3	144.5	54.20	271100.	7.130	7.106	1.456
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119040-a-3-c@5 Acquired: 8/25/2016 18:05:53 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.794**	**1.660**	**-.8856**	**66.91**	**10.30**	**.6824**
Stddev	.906	1.168	.5480	.09	.17	.2813
%RSD	50.50	70.38	61.88	.1283	1.689	41.22
#1	-2.581	1.798	-1.295	66.99	10.33	.6605
#2	-1.996	2.754	-.2631	66.93	10.46	.9740
#3	-.8037	.4290	-1.098	66.82	10.12	.4127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0215**	**3.324**	**2.574**	**489.9**
Stddev	.4501	.052	.038	10.5
%RSD	2089.	1.561	1.477	2.150
#1	-.3015	3.318	2.539	477.7
#2	-.2608	3.275	2.614	495.5
#3	.4977	3.378	2.567	496.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3942.5**	**26582.**	**3029.8**
Stddev	26.0	93.	109.9
%RSD	.65824	.35120	3.6259
#1	3913.9	26479.	2914.0
#2	3964.5	26661.	3042.7
#3	3949.0	26606.	3132.6

Sample Name: 460-119042-a-1-c@5 Acquired: 8/25/2016 18:09:52 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**63.70**	**3.192**	**-.1405**	**75.34**	**.0605**	F **301200.**
Stddev	3.08	.656	.2379	.44	.1126	1262.
%RSD	4.836	20.54	169.3	.5845	186.0	.4191
#1	60.17	2.436	-.1024	74.92	-.0573	302300.
#2	65.87	3.590	.0760	75.29	.0719	299800.
#3	65.05	3.552	-.3952	75.80	.1670	301400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.64**	**3.668**	**-.5340**	**65.42**	**1020.**	**16020.**
Stddev	.11	.144	.4645	.43	34.	265.
%RSD	.8555	3.917	86.98	.6631	3.349	1.654
#1	12.75	3.739	-.8259	64.93	992.8	15800.
#2	12.53	3.502	.0016	65.56	1009.	16320.
#3	12.66	3.762	-.7777	65.76	1058.	15950.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4127.**	**515.6**	F **365700.**	**26.32**	**1.743**	**.3534**
Stddev	44.	1.8	1787.	.48	.726	.8267
%RSD	1.077	.3496	.4888	1.836	41.67	233.9
#1	4101.	517.3	366500.	26.88	2.511	.3082
#2	4101.	513.7	366800.	26.02	1.650	-.4498
#3	4178.	515.7	363600.	26.07	1.068	1.202
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119042-a-1-c@5 Acquired: 8/25/2016 18:09:52 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7989**	**-3.732**	**-.4893**	**1399.**	**130.4**	**-.3506**
Stddev	2.848	3.258	.1536	3.	.4	.5981
%RSD	356.5	87.29	31.38	.1863	.2944	170.6
#1	.1131	-.0070	-.3183	1396.	130.7	.0468
#2	3.927	-5.142	-.6155	1401.	130.3	-1.038
#3	-1.644	-6.047	-.5341	1400.	130.0	-.0603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.8185**	**2933.**	**2.123**	**769.8**
Stddev	.4486	52.	.258	6.4
%RSD	54.81	1.768	12.15	.8375
#1	-1.182	2916.	2.082	762.3
#2	-.3172	2991.	1.888	774.0
#3	-.9558	2892.	2.398	772.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3763.9**	**25723.**	**2955.6**
Stddev	8.2	112.	50.7
%RSD	.21693	.43689	1.7154
#1	3772.1	25696.	2956.2
#2	3763.8	25847.	2904.6
#3	3755.8	25627.	3005.9

Sample Name: 460-119042-a-3-b@5 Acquired: 8/25/2016 18:13:55 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**90.36**	**2.579**	**-.3652**	**108.4**	**.0807**	**12630.**
Stddev	11.04	1.375	.3387	.2	.1217	143.
%RSD	12.21	53.33	92.75	.2040	150.9	1.135
#1	90.92	1.082	-.2324	108.2	.1524	12660.
#2	101.1	2.867	-.7502	108.6	.1494	12470.
#3	79.05	3.786	-.1130	108.3	-.0598	12750.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8633**	**1.335**	**.1613**	**2.962**	**47.37**	**2641.**
Stddev	.2026	.211	.7369	.343	7.63	51.
%RSD	23.47	15.79	456.8	11.59	16.10	1.932
#1	.6925	1.286	-.6508	2.569	54.24	2692.
#2	1.087	1.566	.3474	3.110	48.70	2640.
#3	.8104	1.153	.7873	3.206	39.16	2590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6568.**	**55.54**	F **265600.**	**3.267**	**13.15**	**.8009**
Stddev	98.	.88	5881.	.593	.32	1.444
%RSD	1.496	1.587	2.214	18.14	2.469	180.3
#1	6491.	54.88	272100.	3.580	13.39	.6268
#2	6535.	55.21	264300.	2.583	13.28	-.5480
#3	6679.	56.54	260500.	3.636	12.78	2.324
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-119042-a-3-b@5 Acquired: 8/25/2016 18:13:55 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1409**	**2.441**	**1.649**	**28.02**	**46.39**	**.0591**
Stddev	3.296	1.080	.193	.13	.65	.1011
%RSD	2339.	44.25	11.70	.4555	1.406	171.0
#1	-3.117	1.593	1.770	27.91	45.64	.1683
#2	3.474	3.657	1.426	28.16	46.82	-.0311
#3	.0664	2.073	1.749	28.01	46.72	.0402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0029**	**52.94**	**1.939**	**2048.**
Stddev	.6868	.51	.157	22.
%RSD	23650.	.9557	8.070	1.093
#1	-.6284	53.47	2.102	2022.
#2	-.0970	52.87	1.924	2062.
#3	.7342	52.47	1.790	2059.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3897.5**	**26276.**	**2961.7**
Stddev	24.4	301.	41.6
%RSD	.62550	1.1462	1.4044
#1	3925.6	26459.	2916.5
#2	3881.4	26441.	2998.4
#3	3885.5	25929.	2970.3

Sample Name: 460-119119-a-6-b@4 Acquired: 8/25/2016 18:17:54 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43170.**	**24.06**	**7.085**	**285.1**	**2.290**	F **332800.**
Stddev	258.	1.35	.444	.5	.013	1088.
%RSD	.5987	5.606	6.267	.1850	.5616	.3268
#1	42880.	22.55	7.218	284.7	2.285	332400.
#2	43370.	24.48	6.590	285.7	2.280	332000.
#3	43260.	25.15	7.448	284.9	2.305	334000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.354**	**26.59**	**329.9**	**250.1**	**75090.**	**8031.**
Stddev	.077	.58	1.0	1.4	203.	73.
%RSD	5.719	2.185	.2972	.5526	.2709	.9047
#1	1.417	26.29	329.2	248.9	75150.	7955.
#2	1.378	26.23	329.6	251.6	74860.	8100.
#3	1.268	27.26	331.0	249.8	75250.	8037.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32280.**	**1896.**	**17300.**	**120.3**	**256.7**	**3.241**
Stddev	141.	5.	55.	1.4	2.7	.653
%RSD	.4358	.2461	.3157	1.132	1.054	20.16
#1	32260.	1895.	17270.	119.9	254.6	2.530
#2	32150.	1892.	17360.	119.2	255.7	3.378
#3	32430.	1901.	17270.	121.8	259.7	3.814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119119-a-6-b@4 Acquired: 8/25/2016 18:17:54 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.377**	**3.016**	**153.9**	**871.4**	**90.93**	**5.173**
Stddev	6.724	1.325	.5	1.5	.80	.599
%RSD	282.8	43.94	.3149	.1670	.8803	11.58
#1	8.607	1.565	154.4	873.1	90.61	4.752
#2	-4.750	4.162	153.9	870.8	90.34	4.909
#3	3.275	3.321	153.4	870.4	91.84	5.859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.45**	**1531.**	**1308.**	**9312.**
Stddev	1.53	10.	3.	120.
%RSD	2.982	.6289	.2013	1.287
#1	50.98	1521.	1305.	9231.
#2	50.21	1540.	1309.	9449.
#3	53.17	1532.	1310.	9254.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3891.0**	**26374.**	**3013.1**
Stddev	22.7	194.	23.2
%RSD	.58456	.73440	.77094
#1	3864.8	26171.	2991.0
#2	3902.5	26557.	3037.3
#3	3905.7	26395.	3011.0

Sample Name: 460-119119-a-12-b@4 Acquired: 8/25/2016 18:21:45 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36930.**	**26.87**	**7.048**	**265.0**	**2.334**	**99480.**
Stddev	180.	.81	.375	.7	.189	204.
%RSD	.4864	3.008	5.314	.2801	8.076	.2048
#1	36940.	26.57	6.876	264.2	2.510	99720.
#2	37100.	27.79	7.478	265.5	2.135	99390.
#3	36740.	26.26	6.790	265.4	2.357	99350.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.349**	**28.40**	**296.7**	**265.5**	**82120.**	**9259.**
Stddev	.066	.14	1.2	1.7	219.	87.
%RSD	4.886	.4789	.3883	.6373	.2668	.9437
#1	1.425	28.28	298.1	267.4	82370.	9201.
#2	1.302	28.38	296.0	265.1	82040.	9360.
#3	1.322	28.55	296.1	264.0	81950.	9217.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24440.**	**1514.**	**19290.**	**110.8**	**312.0**	**.1043**
Stddev	102.	5.	104.	1.0	3.5	.9161
%RSD	.4161	.3115	.5385	.9031	1.106	878.7
#1	24550.	1519.	19260.	109.7	308.2	.2229
#2	24430.	1513.	19410.	111.4	315.0	.9553
#3	24350.	1510.	19210.	111.4	312.6	-.8654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119119-a-12-b@4 Acquired: 8/25/2016 18:21:45 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9985**	**2.370**	**106.3**	**696.9**	**70.15**	**3.813**
Stddev	3.315	1.635	.4	4.4	.58	.753
%RSD	332.1	68.99	.4090	.6375	.8328	19.76
#1	.8334	2.434	106.6	699.0	69.61	4.682
#2	.9970	.7041	105.8	700.0	70.08	3.408
#3	-4.826	3.973	106.4	691.8	70.77	3.349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**62.87**	**573.9**	**1034.**	**6208.**
Stddev	.76	3.5	5.	106.
%RSD	1.201	.6168	.5302	1.703
#1	62.14	574.4	1041.	6086.
#2	62.83	577.1	1033.	6263.
#3	63.65	570.1	1030.	6275.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.1**	**27035.**	**3032.5**
Stddev	23.8	343.	62.6
%RSD	.59577	1.2676	2.0628
#1	3964.8	26643.	2978.7
#2	4008.1	27185.	3017.6
#3	4003.3	27277.	3101.2

Sample Name: 460-119119-a-18-b@4 Acquired: 8/25/2016 18:25:36 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42040.**	**28.29**	**7.059**	**294.9**	**2.379**	**186200.**
Stddev	1478.	2.03	.030	.6	.144	1181.
%RSD	3.516	7.183	.4251	.1905	6.064	.6344
#1	40400.	29.14	7.029	295.3	2.541	185300.
#2	42480.	29.75	7.059	295.2	2.266	185800.
#3	43250.	25.97	7.089	294.3	2.330	187500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.590**	**30.22**	**329.0**	**282.0**	**86500.**	**10250.**
Stddev	.231	.36	2.9	.6	316.	317.
%RSD	14.53	1.204	.8746	.2027	.3650	3.095
#1	1.842	29.98	327.1	282.1	86370.	9899.
#2	1.539	30.05	327.6	281.4	86260.	10330.
#3	1.389	30.64	332.3	282.5	86860.	10520.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28690.**	**1799.**	**20340.**	**121.5**	**319.1**	**1.709**
Stddev	141.	8.	658.	.5	1.0	.684
%RSD	.4904	.4284	3.235	.4215	.3032	40.00
#1	28600.	1795.	19610.	122.0	318.2	.9411
#2	28620.	1794.	20540.	121.0	320.2	2.251
#3	28850.	1808.	20880.	121.6	319.1	1.935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119119-a-18-b@4 Acquired: 8/25/2016 18:25:36 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.723**	**2.270**	**132.5**	**797.9**	**88.39**	**4.733**
Stddev	3.884	.642	1.2	6.7	.64	.175
%RSD	225.4	28.28	.9338	.8413	.7268	3.689
#1	-.0514	2.770	132.1	794.3	89.00	4.567
#2	1.045	1.546	131.5	793.8	87.72	4.716
#3	-6.162	2.493	133.8	805.6	88.46	4.915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**67.99**	**998.2**	**1232.**	**8555.**
Stddev	.47	31.9	4.	181.
%RSD	.6895	3.198	.3145	2.115
#1	67.67	962.7	1234.	8351.
#2	68.53	1008.	1228.	8616.
#3	67.77	1024.	1235.	8697.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.3**	**27336.**	**3140.7**
Stddev	30.8	53.	52.4
%RSD	.77547	.19349	1.6691
#1	3967.9	27297.	3185.9
#2	3997.7	27396.	3153.1
#3	3936.2	27315.	3083.2

Sample Name: CCV Acquired: 8/25/2016 18:29:29 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124000.**	**2346.**	**1212.**	**9864.**	**1006.**	**130600.**
Stddev	402.	14.	1.	10.	2.	94.
%RSD	.3238	.6008	.0734	.0984	.2226	.0719
#1	123900.	2330.	1212.	9869.	1004.	130600.
#2	124500.	2354.	1212.	9870.	1008.	130700.
#3	123700.	2353.	1213.	9853.	1005.	130600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1244.**	**2436.**	**5206.**	**11560.**	**102800.**	**49670.**
Stddev	1.	1.	6.	25.	72.	224.
%RSD	.0592	.0352	.1240	.2174	.0697	.4515
#1	1243.	2435.	5207.	11540.	102700.	49440.
#2	1243.	2436.	5211.	11580.	102800.	49890.
#3	1245.	2435.	5199.	11580.	102800.	49680.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127700.**	**5185.**	**122400.**	**2476.**	**7433.**	**919.6**
Stddev	171.	6.	447.	4.	10.	3.0
%RSD	.1341	.1230	.3650	.1786	.1388	.3307
#1	127500.	5180.	122200.	2472.	7421.	918.0
#2	127900.	5193.	123000.	2481.	7437.	923.1
#3	127700.	5183.	122200.	2474.	7441.	917.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 18:29:29 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2314.**	**2440.**	**2449.**	**2621.**	**926.2**	**2353.**
Stddev	11.	9.	7.	5.	4.2	3.
%RSD	.4875	.3719	.2938	.1725	.4503	.1427
#1	2304.	2450.	2441.	2616.	921.9	2349.
#2	2313.	2432.	2452.	2622.	926.5	2356.
#3	2327.	2439.	2455.	2625.	930.2	2355.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**983.2**	**4964.**	**10040.**	**8493.**
Stddev	4.4	14.	13.	55.
%RSD	.4496	.2787	.1327	.6508
#1	978.1	4962.	10030.	8439.
#2	985.9	4980.	10050.	8549.
#3	985.6	4952.	10030.	8491.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3780.9**	**25652.**	**2842.8**
Stddev	6.7	99.	13.0
%RSD	.17822	.38632	.45598
#1	3777.8	25569.	2837.0
#2	3776.3	25626.	2833.7
#3	3788.7	25762.	2857.6

Sample Name: CCB Acquired: 8/25/2016 18:33:05 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-14.28**	**.6896**	**.0175**	**.2663**	**.0336**	**-10.34**
Stddev	9.28	.5391	.5064	.2793	.1345	9.82
%RSD	65.01	78.18	2894.	104.9	400.4	95.04
#1	-24.78	.8343	.0333	.5844	.1731	.9675
#2	-10.90	.0929	-.4967	.1537	.0229	-16.81
#3	-7.159	1.142	.5158	.0609	-.0953	-15.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2070**	**-.1148**	**-.4986**	**-.2894**	**-2.209**	**88.94**
Stddev	.1232	.0316	.3977	.3166	13.71	40.98
%RSD	59.50	27.54	79.77	109.4	620.4	46.08
#1	.0658	-.1377	-.7243	.0199	-5.850	136.3
#2	.2925	-.0787	-.0394	-.2754	-13.73	64.79
#3	.2627	-.1279	-.7321	-.6128	12.95	65.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.598**	**-.0417**	**61.02**	**.5841**	**-.3926**	**.7650**
Stddev	4.874	.0440	3.19	.1671	2.139	1.955
%RSD	106.0	105.8	5.224	28.62	545.0	255.6
#1	-7.035	-.0417	61.31	.4408	1.675	-1.153
#2	1.014	.0024	57.70	.7677	-.2562	.6928
#3	-7.774	-.0857	64.05	.5437	-2.597	2.755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 18:33:05 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.613**	**1.142**	**-.3584**	**.0750**	**2.097**	**.5991**
Stddev	1.538	.500	.6041	.0376	.229	.0726
%RSD	95.32	43.76	168.6	50.12	10.91	12.11
#1	-3.367	.7306	-.8599	.0957	2.301	.6673
#2	-.4975	.9969	-.5275	.0978	1.850	.6070
#3	-.9746	1.698	.3123	.0316	2.140	.5229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8496**	**-.0454**	**.3161**	**.6740**
Stddev	.3050	.1132	.0531	11.83
%RSD	35.90	249.0	16.81	1755.
#1	.5258	.0412	.3187	-7.053
#2	.8914	-.0041	.2617	14.29
#3	1.131	-.1734	.3678	-5.214
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3946.3**	**26686.**	**2927.8**
Stddev	14.3	158.	29.2
%RSD	.36255	.59353	.99837
#1	3962.8	26756.	2896.1
#2	3939.1	26798.	2933.5
#3	3937.1	26505.	2953.7

Sample Name: CCVL Acquired: 8/25/2016 18:37:07 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**178.5**	**13.87**	**9.049**	**189.2**	**1.883**	**4851.**
Stddev	6.5	2.11	.471	1.0	.126	34.
%RSD	3.618	15.17	5.202	.5291	6.687	.7050
#1	181.7	12.48	8.670	190.0	1.894	4812.
#2	182.6	16.29	9.576	188.1	2.003	4875.
#3	171.0	12.84	8.901	189.6	1.752	4867.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.988**	**47.63**	**9.558**	**20.51**	**158.0**	**4555.**
Stddev	.277	.16	.626	.73	15.0	29.
%RSD	6.946	.3289	6.545	3.555	9.529	.6266
#1	4.226	47.56	8.864	20.19	143.3	4530.
#2	4.053	47.82	9.732	19.99	157.2	4548.
#3	3.684	47.53	10.08	21.34	173.4	4586.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4652.**	**15.44**	**4481.**	**39.93**	**10.25**	**17.31**
Stddev	81.	.20	15.	.47	2.34	.58
%RSD	1.734	1.314	.3286	1.165	22.83	3.367
#1	4568.	15.23	4481.	39.69	7.794	17.82
#2	4660.	15.44	4466.	39.63	12.45	16.67
#3	4729.	15.64	4496.	40.46	10.49	17.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 18:37:07 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.21**	**20.48**	**46.89**	**32.56**	**44.17**	**17.63**
Stddev	2.43	1.72	1.12	.20	.05	.33
%RSD	14.09	8.421	2.381	.6156	.1110	1.859
#1	15.11	19.33	45.63	32.36	44.22	17.30
#2	19.87	22.46	47.30	32.56	44.17	17.96
#3	16.66	19.64	47.74	32.76	44.13	17.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**48.88**	**18.79**	**19.39**	F **9.884**
Stddev	.59	.18	.29	16.84
%RSD	1.201	.9650	1.494	170.3
#1	48.29	18.87	19.56	24.00
#2	49.46	18.58	19.06	-8.751
#3	48.89	18.91	19.57	14.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3965.9**	**26809.**	**2972.7**
Stddev	9.1	136.	51.3
%RSD	.22914	.50710	1.7261
#1	3963.8	26963.	2913.5
#2	3958.0	26757.	3003.7
#3	3975.8	26706.	3001.1

Sample Name: 460-118427-d-1-b@4 Acquired: 8/25/2016 18:41:08 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8074.**	**8.103**	**-.0714**	**21.00**	**.7119**	**341.2**
Stddev	43.	2.776	.3390	.14	.2752	4.8
%RSD	.5324	34.25	474.8	.6530	38.65	1.416
#1	8122.	4.898	.1080	20.84	.8574	335.7
#2	8038.	9.742	-.4623	21.10	.3945	343.6
#3	8063.	9.669	.1402	21.05	.8837	344.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6495**	**4.801**	**22.22**	**9.392**	**19750.**	**577.7**
Stddev	.1882	.237	.52	.198	279.	18.8
%RSD	28.98	4.938	2.323	2.108	1.412	3.249
#1	-.5729	4.555	22.14	9.167	19460.	598.7
#2	-.8639	4.822	21.74	9.540	20020.	571.7
#3	-.5116	5.027	22.77	9.469	19770.	562.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1141.**	**222.3**	**64.34**	**46.32**	**11.82**	**2.681**
Stddev	21.	3.2	5.25	.61	.65	1.711
%RSD	1.834	1.449	8.163	1.318	5.488	63.84
#1	1118.	219.1	70.34	46.93	11.47	4.156
#2	1159.	225.5	62.09	46.32	12.56	3.081
#3	1145.	222.4	60.58	45.71	11.42	.8047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118427-d-1-b@4 Acquired: 8/25/2016 18:41:08 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.680**	**-1.273**	**27.10**	**24.94**	**3.485**	**.3665**
Stddev	3.828	2.591	.72	.15	.707	.2702
%RSD	104.0	203.5	2.652	.5898	20.27	73.71
#1	-.7399	-.9456	26.36	24.99	4.093	.4193
#2	5.929	1.139	27.15	24.78	2.710	.0738
#3	5.851	-4.011	27.79	25.06	3.652	.6063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.092**	**2.292**	**356.8**	**551.9**
Stddev	.246	.035	.2	22.6
%RSD	11.77	1.546	.0487	4.098
#1	1.943	2.301	356.9	536.6
#2	2.376	2.253	356.6	577.9
#3	1.955	2.322	356.8	541.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3977.5**	**27018.**	**3011.2**
Stddev	24.4	346.	49.7
%RSD	.61428	1.2791	1.6520
#1	3950.0	26658.	2953.9
#2	3985.9	27050.	3035.9
#3	3996.7	27347.	3043.8

Sample Name: 460-118427-d-2-b@4 Acquired: 8/25/2016 18:45:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5132.**	**6.835**	**.2781**	**15.39**	**.3076**	**537.2**
Stddev	128.	2.286	.7406	.32	.0469	19.0
%RSD	2.486	33.44	266.3	2.074	15.24	3.541
#1	4992.	4.782	.1832	15.13	.3303	523.0
#2	5242.	6.425	-.4104	15.75	.3388	529.7
#3	5162.	9.298	1.062	15.29	.2537	558.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2441**	**2.995**	**9.243**	**9.483**	**13600.**	**366.4**
Stddev	.1005	.223	.847	.526	263.	41.6
%RSD	41.15	7.434	9.162	5.548	1.930	11.36
#1	-.3353	3.203	9.875	9.310	13350.	367.7
#2	-.1364	2.760	9.574	9.066	13580.	324.2
#3	-.2608	3.022	8.281	10.07	13880.	407.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**893.6**	**133.6**	**68.68**	**15.27**	**13.00**	**1.427**
Stddev	19.1	3.1	9.61	.91	1.44	.333
%RSD	2.135	2.349	13.98	5.983	11.10	23.35
#1	873.4	130.6	78.57	14.32	14.66	1.757
#2	896.3	133.2	59.39	15.34	11.98	1.434
#3	911.3	136.9	68.08	16.14	12.38	1.091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118427-d-2-b@4 Acquired: 8/25/2016 18:45:05 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6610**	**.6040**	**12.00**	**27.66**	**3.729**	**.0366**
Stddev	.8564	.6961	.25	.25	.384	.2111
%RSD	129.6	115.2	2.093	.9152	10.30	577.3
#1	.9953	1.234	11.82	27.64	3.416	.2431
#2	1.300	.7210	12.28	27.92	4.158	-.1787
#3	-.3121	-.1431	11.88	27.41	3.614	.0453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.630**	**2.738**	**212.1**	**530.5**
Stddev	.450	.054	4.4	10.1
%RSD	27.62	1.956	2.088	1.912
#1	1.845	2.681	208.5	540.5
#2	1.113	2.788	210.8	530.8
#3	1.932	2.744	217.0	520.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4021.4**	**27374.**	**2980.7**
Stddev	31.4	242.	43.5
%RSD	.78108	.88459	1.4611
#1	3999.4	27247.	3028.9
#2	4007.5	27221.	2944.3
#3	4057.4	27653.	2968.8

Sample Name: 460-118427-d-3-b@4 Acquired: 8/25/2016 18:49:02 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2485.**	**1.105**	**.0027**	**17.74**	**.3965**	**1323.**
Stddev	64.	1.244	.0955	.09	.0630	24.
%RSD	2.559	112.5	3600.	.4857	15.89	1.819
#1	2434.	.1331	-.0480	17.75	.3915	1295.
#2	2465.	2.507	-.0568	17.82	.4618	1337.
#3	2556.	.6759	.1128	17.65	.3361	1337.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4444**	**5.705**	**12.38**	**19.53**	**12210.**	**444.9**
Stddev	.0159	.123	.68	.77	227.	29.2
%RSD	3.578	2.146	5.503	3.925	1.860	6.571
#1	-.4429	5.733	12.87	18.66	11970.	411.4
#2	-.4293	5.812	12.65	20.11	12240.	465.3
#3	-.4610	5.571	11.60	19.83	12430.	457.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1198.**	**166.9**	**55.75**	**10.39**	**17.00**	**1.183**
Stddev	16.	2.7	19.34	.19	.58	.715
%RSD	1.343	1.600	34.69	1.802	3.432	60.44
#1	1180.	164.1	62.46	10.60	16.62	1.245
#2	1205.	167.1	70.84	10.28	16.71	1.865
#3	1210.	169.4	33.95	10.28	17.67	.4390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118427-d-3-b@4 Acquired: 8/25/2016 18:49:02 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8425**	**.1378**	**15.12**	**47.45**	**1.840**	**.5338**
Stddev	.0780	2.365	.83	.22	.038	.3505
%RSD	9.262	1716.	5.486	.4634	2.074	65.66
#1	.8593	-1.171	14.76	47.20	1.877	.7016
#2	.9108	2.868	16.07	47.52	1.800	.7688
#3	.7575	-1.283	14.53	47.63	1.842	.1310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.076**	**7.916**	**252.9**	**416.5**
Stddev	.593	.141	3.7	20.9
%RSD	28.55	1.780	1.477	5.029
#1	1.407	7.757	248.9	392.4
#2	2.284	7.968	253.6	430.0
#3	2.536	8.025	256.3	427.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4035.8**	**27440.**	**3056.0**
Stddev	5.3	224.	61.0
%RSD	.13040	.81585	1.9953
#1	4041.8	27695.	3104.3
#2	4032.0	27349.	3076.3
#3	4033.7	27276.	2987.5

Sample Name: 460-118427-d-4-b@4 Acquired: 8/25/2016 18:52:59 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2439.**	**5.159**	**-.1125**	**25.30**	**.2808**	**2772.**
Stddev	142.	.402	.5397	.21	.0987	159.
%RSD	5.839	7.796	479.8	.8234	35.15	5.751
#1	2365.	4.855	-.3146	25.44	.3135	2854.
#2	2603.	5.007	-.5219	25.06	.1699	2589.
#3	2349.	5.615	.4991	25.40	.3590	2874.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1118**	**3.254**	**8.410**	**12.39**	**7939.**	**466.4**
Stddev	.0689	.104	.511	1.04	499.	21.3
%RSD	61.68	3.192	6.074	8.359	6.281	4.555
#1	-.0689	3.273	8.985	12.49	8149.	470.6
#2	-.1913	3.348	8.009	11.31	7370.	485.3
#3	-.0751	3.142	8.237	13.37	8299.	443.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1565.**	**45.13**	**106.0**	**14.83**	**30.90**	**2.159**
Stddev	102.	2.99	10.8	.48	.25	.219
%RSD	6.507	6.623	10.14	3.245	.8096	10.14
#1	1617.	46.70	100.9	14.92	30.80	1.921
#2	1448.	41.68	118.4	15.26	31.19	2.206
#3	1631.	47.01	98.78	14.31	30.72	2.351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-118427-d-4-b@4 Acquired: 8/25/2016 18:52:59 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9516**	**-.5892**	**13.05**	**48.17**	**4.372**	**1.037**
Stddev	3.393	2.188	1.36	.07	.428	.229
%RSD	356.6	371.4	10.45	.1430	9.796	22.08
#1	.4448	1.937	13.22	48.17	4.761	1.045
#2	-2.159	-1.846	11.61	48.11	3.913	.8047
#3	4.570	-1.858	14.32	48.25	4.442	1.262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.976**	**13.78**	**189.7**	**644.2**
Stddev	.776	.51	12.2	5.2
%RSD	15.59	3.709	6.448	.8122
#1	4.112	13.41	196.0	638.9
#2	5.204	14.36	175.6	644.4
#3	5.612	13.56	197.6	649.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4013.0**	**28175.**	**2945.9**
Stddev	14.5	1523.	159.1
%RSD	.36147	5.4069	5.4018
#1	3996.7	27240.	3005.6
#2	4024.5	29933.	2765.5
#3	4017.8	27352.	3066.5

Sample Name: 460-119119-a-6-b@10 Acquired: 8/25/2016 18:56:55 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17410.**	**10.78**	**2.655**	**116.2**	**1.003**	**135200.**
Stddev	63.	1.38	.322	.4	.254	240.
%RSD	.3638	12.83	12.13	.3706	25.27	.1777
#1	17410.	9.695	2.331	116.2	1.092	135400.
#2	17470.	10.30	2.975	115.8	1.201	134900.
#3	17340.	12.34	2.659	116.7	.7174	135300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5440**	**10.79**	**136.4**	**99.70**	**31110.**	**3182.**
Stddev	.0925	.18	1.8	.69	78.	16.
%RSD	17.00	1.630	1.333	.6960	.2513	.4914
#1	.5569	10.99	134.8	99.66	31180.	3165.
#2	.4457	10.70	136.0	99.03	31030.	3185.
#3	.6293	10.67	138.3	100.4	31110.	3196.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13520.**	**782.7**	**6872.**	**49.12**	**104.4**	**1.788**
Stddev	84.	1.9	27.	.30	1.3	1.634
%RSD	.6230	.2422	.3886	.6173	1.215	91.35
#1	13430.	784.9	6874.	48.93	104.4	-.0511
#2	13540.	781.6	6897.	49.47	105.6	2.346
#3	13600.	781.6	6844.	48.96	103.1	3.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-119119-a-6-b@10 Acquired: 8/25/2016 18:56:55 Type: Unk
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.680**	**2.050**	**63.24**	**373.9**	**36.35**	**2.081**
Stddev	2.881	2.620	.63	2.8	.53	.288
%RSD	107.5	127.9	1.001	.7397	1.450	13.82
#1	-5.504	4.067	62.55	372.0	36.39	1.762
#2	-2.790	-.9122	63.79	372.5	35.80	2.320
#3	.2538	2.994	63.39	377.0	36.85	2.161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**20.81**	**619.3**	**531.1**	**3749.**
Stddev	1.21	1.8	1.1	27.
%RSD	5.825	.2854	.2084	.7072
#1	21.87	619.3	531.4	3719.
#2	19.49	621.0	529.9	3757.
#3	21.06	617.5	532.1	3770.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.8**	**26847.**	**3030.7**
Stddev	16.1	55.	16.5
%RSD	.40413	.20401	.54443
#1	3974.4	26789.	3011.7
#2	3989.5	26856.	3038.8
#3	3957.4	26897.	3041.7

Sample Name: CCV Acquired: 8/25/2016 19:00:49 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**124200.**	**2355.**	**1215.**	**9878.**	**1013.**	**129600.**
Stddev	770.	12.	5.	12.	7.	278.
%RSD	.6196	.4945	.3931	.1174	.6560	.2140
#1	123400.	2342.	1210.	9869.	1005.	129400.
#2	124400.	2362.	1216.	9891.	1017.	129600.
#3	125000.	2363.	1219.	9874.	1016.	129900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1244.**	**2438.**	**5185.**	**11610.**	**102000.**	**49900.**
Stddev	3.	3.	13.	47.	421.	299.
%RSD	.2532	.1400	.2477	.4051	.4122	.5998
#1	1240.	2434.	5171.	11550.	101600.	49580.
#2	1244.	2441.	5187.	11640.	102200.	49980.
#3	1246.	2439.	5196.	11630.	102300.	50160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**127100.**	**5164.**	**123100.**	**2473.**	**7434.**	**927.3**
Stddev	548.	16.	634.	2.	22.	3.2
%RSD	.4311	.3145	.5146	.0656	.2998	.3421
#1	126500.	5146.	122400.	2471.	7409.	924.4
#2	127300.	5167.	123400.	2475.	7452.	926.8
#3	127600.	5179.	123500.	2474.	7441.	930.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 8/25/2016 19:00:49 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2321.**	**2432.**	**2433.**	**2610.**	**929.6**	**2359.**
Stddev	20.	6.	2.	14.	6.5	5.
%RSD	.8528	.2512	.1013	.5265	.6938	.1955
#1	2298.	2429.	2431.	2596.	922.2	2355.
#2	2336.	2439.	2435.	2611.	933.6	2364.
#3	2328.	2429.	2434.	2623.	933.1	2358.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**985.6**	**5007.**	**10040.**	**8576.**
Stddev	2.7	27.	26.	53.
%RSD	.2727	.5365	.2569	.6136
#1	982.5	4977.	10010.	8516.
#2	986.7	5020.	10050.	8616.
#3	987.5	5026.	10050.	8595.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3791.5**	**25799.**	**2881.3**
Stddev	18.2	64.	18.2
%RSD	.47897	.24814	.63080
#1	3812.4	25824.	2892.9
#2	3783.0	25846.	2890.7
#3	3779.2	25726.	2860.4

Sample Name: CCB Acquired: 8/25/2016 19:04:25 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.168**	**-.1850**	**-.9002**	**.2000**	**.0818**	**-12.76**
Stddev	11.38	.8285	.2659	.1816	.1700	6.99
%RSD	184.6	447.8	29.54	90.82	207.9	54.77
#1	-9.143	.6613	-1.042	.2850	-.0763	-6.217
#2	-15.77	-.9943	-1.066	.3235	.0601	-20.12
#3	6.408	-.2220	-.5935	-.0086	.2616	-11.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1253**	**-.0335**	**-.3342**	**-.5378**	**-9.671**	**42.67**
Stddev	.1387	.1444	.7711	.2890	6.459	33.27
%RSD	110.8	431.3	230.7	53.73	66.78	77.96
#1	-.0278	.0528	-.0124	-.8666	-2.931	20.65
#2	.1607	.0470	.2238	-.4228	-15.81	26.42
#3	.2428	-.2002	-1.214	-.3241	-10.28	80.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.412**	**.0833**	**37.60**	**.7270**	**-.1332**	**1.300**
Stddev	2.960	.0546	23.35	.2566	.1243	.630
%RSD	209.7	65.55	62.09	35.30	93.36	48.48
#1	-4.407	.0264	52.21	.4564	-.0337	2.009
#2	-1.341	.0882	49.92	.9670	-.2726	.8029
#3	1.512	.1352	10.68	.7575	-.0933	1.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/25/2016 19:04:25 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3551**	**.9660**	**-.3196**	**.1854**	**1.915**	**.5388**
Stddev	6.182	1.936	.3956	.0581	.603	.8475
%RSD	1741.	200.5	123.8	31.33	31.48	157.3
#1	-.0783	3.121	-.4037	.1852	2.361	1.340
#2	-6.670	.4042	.1114	.1274	2.154	-.3482
#3	5.683	-.6274	-.6664	.2436	1.229	.6242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2373**	**-.0980**	**.2929**	**-6.243**
Stddev	.0993	.0496	.2159	14.14
%RSD	41.84	50.57	73.72	226.5
#1	.1230	-.0909	.2870	-1.197
#2	.2875	-.0524	.0800	4.682
#3	.3016	-.1507	.5116	-22.21
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3991.1**	**27068.**	**3017.8**
Stddev	24.0	100.	9.4
%RSD	.60077	.36866	.30996
#1	3999.0	27151.	3008.1
#2	4010.1	26958.	3018.7
#3	3964.1	27096.	3026.8

Sample Name: CCVL Acquired: 8/25/2016 19:08:26 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**184.4**	**15.14**	**8.232**	**188.2**	**1.983**	**4852.**
Stddev	13.4	2.59	.356	.2	.157	15.
%RSD	7.265	17.08	4.331	.1227	7.932	.3102
#1	182.4	12.45	8.128	188.1	2.077	4835.
#2	198.7	15.36	7.939	188.1	1.802	4856.
#3	172.2	17.60	8.629	188.5	2.072	4864.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.924**	**47.46**	**9.442**	**21.01**	**164.9**	**4539.**
Stddev	.073	.32	.220	.28	16.8	80.
%RSD	1.852	.6642	2.330	1.345	10.18	1.764
#1	3.840	47.66	9.536	21.28	173.8	4537.
#2	3.965	47.62	9.191	21.04	145.5	4620.
#3	3.966	47.09	9.600	20.72	175.4	4460.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4668.**	**15.33**	**4430.**	**39.63**	**8.868**	**18.16**
Stddev	40.	.14	50.	.34	1.064	.94
%RSD	.8580	.9155	1.134	.8587	12.00	5.163
#1	4622.	15.17	4418.	39.24	7.841	19.23
#2	4688.	15.41	4485.	39.89	9.965	17.48
#3	4695.	15.40	4387.	39.76	8.797	17.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 8/25/2016 19:08:26 Type: QC
Method: BC08232016(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.66**	**19.06**	**45.56**	**32.22**	**43.57**	**17.56**
Stddev	1.43	1.54	1.18	.31	.41	.34
%RSD	7.268	8.080	2.589	.9773	.9346	1.916
#1	20.22	19.28	44.48	32.11	43.95	17.17
#2	18.03	20.48	45.38	32.57	43.14	17.73
#3	20.72	17.43	46.82	31.96	43.62	17.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**47.47**	**18.98**	**19.28**	F **11.02**
Stddev	1.29	.28	.30	15.84
%RSD	2.713	1.493	1.540	143.8
#1	46.49	18.72	19.15	-.7888
#2	47.00	19.28	19.07	4.816
#3	48.93	18.93	19.62	29.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**4002.5**	**26779.**	**2988.3**
Stddev	13.4	162.	79.1
%RSD	.33549	.60562	2.6484
#1	3996.4	26629.	2930.9
#2	3993.3	26757.	2955.4
#3	4017.9	26951.	3078.6

08242016-w

Method: 245.1-7470a Operator: Admin Date of Analysis: 24 Aug 2016 13:26:13

Sample ID	Extended ID	Conc.	Units	Element	µ Abs.	Date	Method	Chapter
460-118847-D-2-E - 1		0.0478	ppb	Hg	309	24 Aug 2016 16:42:56	245.1-7470a	386526hg1
460-118847-D-3-C - 1		0.0571	ppb	Hg	362	24 Aug 2016 16:44:47	245.1-7470a	386526hg1
460-118847-D-4-D - 1		0.0203	ppb	Hg	152	24 Aug 2016 16:46:39	245.1-7470a	386526hg1
460-118847-D-5-C - 1		0.1031	ppb	Hg	625	24 Aug 2016 16:48:31	245.1-7470a	386526hg1
460-118847-D-6-F - 1		0.0028	ppb	Hg	52	24 Aug 2016 16:50:24	245.1-7470a	386526hg1
460-118847-D-7-F - 1		0.0012	ppb	Hg	43	24 Aug 2016 16:52:16	245.1-7470a	386526hg1
460-118847-D-8-F - 1		0.0033	ppb	Hg	55	24 Aug 2016 16:54:08	245.1-7470a	386526hg1
460-118847-D-9-F - 1		0.0229	ppb	Hg	167	24 Aug 2016 16:56:00	245.1-7470a	386526hg1
460-118892-E-11-E - 1		-0.0044	ppb	Hg	11	24 Aug 2016 16:57:53	245.1-7470a	386526hg1
CCV - 1		96.3% 4.8150	ppb	Hg	27535	24 Aug 2016 16:59:45	245.1-7470a	386526hg1
CCB - 1		-0.0644	ppb	Hg	-332	24 Aug 2016 17:01:36	245.1-7470a	386526hg1
460-118893-D-10-I - 1		-0.0187	ppb	Hg	-71	24 Aug 2016 17:03:31	245.1-7470a	386526hg1
460-118904-B-1-G - 1		0.0038	ppb	Hg	58	24 Aug 2016 17:05:23	245.1-7470a	386526hg1
460-118904-B-2-E - 1		0.0254	ppb	Hg	181	24 Aug 2016 17:07:16	245.1-7470a	386526hg1
460-118904-B-3-E - 1		0.0207	ppb	Hg	154	24 Aug 2016 17:09:08	245.1-7470a	386526hg1
460-118904-B-4-E - 1		0.0107	ppb	Hg	97	24 Aug 2016 17:11:00	245.1-7470a	386526hg1
460-118920-E-1-F - 1		-0.0035	ppb	Hg	16	24 Aug 2016 17:12:52	245.1-7470a	386526hg1
460-118940-E-1-C - 1		-0.0000	ppb	Hg	36	24 Aug 2016 17:14:44	245.1-7470a	386526hg1
460-118983-E-1-E - 1		-0.0014	ppb	Hg	28	24 Aug 2016 17:16:36	245.1-7470a	386526hg1
460-118985-B-1-B - 1		-0.0060	ppb	Hg	2	24 Aug 2016 17:18:28	245.1-7470a	386526hg1
CCV - 1		96.5% 4.8255	ppb	Hg	27595	24 Aug 2016 17:20:21	245.1-7470a	386526hg1
CCB - 1		-0.0609	ppb	Hg	-312	24 Aug 2016 17:22:12	245.1-7470a	386526hg1
LB 460-386376/1-C - 1		-0.0215	ppb	Hg	-87	24 Aug 2016 17:24:06	245.1-7470a	386526hg1
LB 460-386056/1-C - 1		-0.0114	ppb	Hg	-29	24 Aug 2016 17:25:58	245.1-7470a	386526hg1
CCV - 1		99.6% 4.9784	ppb	Hg	28468	24 Aug 2016 17:27:50	245.1-7470a	386526hg1
CCB - 1		-0.0699	ppb	Hg	-363	24 Aug 2016 17:29:41	245.1-7470a	386526hg1
Cal Blk - 1		-	ppb	Hg	11	24 Aug 2016 13:34:24	245.1-7470a	386526hg1
0.2 ppb - 1		-	ppb	Hg	1167	24 Aug 2016 13:36:16	245.1-7470a	386526hg1
1.0 ppb - 1		-	ppb	Hg	5683	24 Aug 2016 13:38:09	245.1-7470a	386526hg1
2.0 ppb - 1		-	ppb	Hg	10952	24 Aug 2016 13:40:01	245.1-7470a	386526hg1
5.0 ppb - 1		-	ppb	Hg	29644	24 Aug 2016 13:41:52	245.1-7470a	386526hg1
10 ppb - 1		-	ppb	Hg	56701	24 Aug 2016 13:43:45	245.1-7470a	386526hg1
ICV - 1		101.1% 5.0553	ppb	Hg	28907	24 Aug 2016 13:45:37	245.1-7470a	386526hg1
ICB - 1		-0.1026	ppb	Hg	-550	24 Aug 2016 13:47:34	245.1-7470a	386526hg1
QCS - 1		96.9% 4.8439	ppb	Hg	27700	24 Aug 2016 13:49:28	245.1-7470a	386526hg1
MCL - 1		91.3% 1.8263	ppb	Hg	10466	24 Aug 2016 13:51:20	245.1-7470a	386526hg1
MB 460-386526/1-A - 1		-0.0499	ppb	Hg	-249	24 Aug 2016 13:53:14	245.1-7470a	386526hg1
LCS 460-386526/2-A - 1		0.9061	ppb	Hg	5211	24 Aug 2016 13:55:07	245.1-7470a	386526hg1
460-118898-G-4-A - 1		-0.0191	ppb	Hg	-73	24 Aug 2016 13:56:58	245.1-7470a	386526hg1
460-118898-A-4-A DU - 1		-0.0081	ppb	Hg	-10	24 Aug 2016 13:58:50	245.1-7470a	386526hg1
460-118898-G-4-B MS - 1		0.9928	ppb	Hg	5706	24 Aug 2016 14:00:40	245.1-7470a	386526hg1
sd 460-118898-G-4-A@5 - 1		-0.0168	ppb	Hg	-60	24 Aug 2016 14:02:31	245.1-7470a	386526hg1
460-118870-F-2-A - 1		-0.0084	ppb	Hg	-12	24 Aug 2016 14:04:23	245.1-7470a	386526hg1
460-118926-D-8-B - 1		-0.0068	ppb	Hg	-3	24 Aug 2016 14:06:14	245.1-7470a	386526hg1
460-118952-D-1-B - 1		-0.0049	ppb	Hg	8	24 Aug 2016 14:08:06	245.1-7470a	386526hg1
CCV - 1		102.4% 5.1202	ppb	Hg	29278	24 Aug 2016 14:09:57	245.1-7470a	386526hg1
CCB - 1		-0.0722	ppb	Hg	-376	24 Aug 2016 14:11:48	245.1-7470a	386526hg1
460-119026-A-1-D - 1		-0.0112	ppb	Hg	-28	24 Aug 2016 14:13:42	245.1-7470a	386526hg1
460-118697-D-1-B - 1		-0.0039	ppb	Hg	14	24 Aug 2016 14:15:34	245.1-7470a	386526hg1
460-118898-G-2-A - 1		-0.0123	ppb	Hg	-34	24 Aug 2016 14:17:27	245.1-7470a	386526hg1
460-118898-G-3-A - 1		-0.0030	ppb	Hg	19	24 Aug 2016 14:19:20	245.1-7470a	386526hg1
460-118898-G-5-A - 1		0.0038	ppb	Hg	58	24 Aug 2016 14:21:11	245.1-7470a	386526hg1
460-118898-G-6-A - 1		0.0070	ppb	Hg	76	24 Aug 2016 14:23:02	245.1-7470a	386526hg1
460-118898-G-7-A - 1		-0.0028	ppb	Hg	20	24 Aug 2016 14:24:54	245.1-7470a	386526hg1
460-118898-G-8-A - 1		-0.0053	ppb	Hg	6	24 Aug 2016 14:26:45	245.1-7470a	386526hg1
460-118898-G-9-A - 1		-0.0035	ppb	Hg	16	24 Aug 2016 14:28:37	245.1-7470a	386526hg1
CCV - 1		100.3% 5.0127	ppb	Hg	28664	24 Aug 2016 14:30:28	245.1-7470a	386526hg1
CCB - 1		-0.0697	ppb	Hg	-362	24 Aug 2016 14:32:19	245.1-7470a	386526hg1
460-118898-G-10-A - 1		-0.0201	ppb	Hg	-79	24 Aug 2016 14:34:14	245.1-7470a	386526hg1
460-118898-G-11-A - 1		-0.0121	ppb	Hg	-33	24 Aug 2016 14:36:06	245.1-7470a	386526hg1
460-118898-G-12-A - 1		-0.0056	ppb	Hg	4	24 Aug 2016 14:37:57	245.1-7470a	386526hg1
460-118898-G-13-A - 1		-0.0063	ppb	Hg	0	24 Aug 2016 14:39:49	245.1-7470a	386526hg1
460-118898-G-14-A - 1		0.0210	ppb	Hg	156	24 Aug 2016 14:41:42	245.1-7470a	386526hg1
460-118898-G-15-A - 1		-0.0014	ppb	Hg	28	24 Aug 2016 14:43:34	245.1-7470a	386526hg1
MB 460-386530/1-B - 1		-0.0030	ppb	Hg	19	24 Aug 2016 14:45:27	245.1-7470a	386526hg1
LCS 460-386531/2-A - 1		1.1542	ppb	Hg	6628	24 Aug 2016 14:47:19	245.1-7470a	386526hg1
460-118778-H-10-C - 1		-0.0173	ppb	Hg	-63	24 Aug 2016 14:49:10	245.1-7470a	386526hg1
CCV - 1		100.9% 5.0449	ppb	Hg	28848	24 Aug 2016 14:51:02	245.1-7470a	386526hg1
CCB - 1		-0.0678	ppb	Hg	-351	24 Aug 2016 14:52:53	245.1-7470a	386526hg1
460-118778-B-10-B DU - 1		-0.0240	ppb	Hg	-101	24 Aug 2016 14:54:47	245.1-7470a	386526hg1
460-118778-H-10-D MS - 1		1.1169	ppb	Hg	6415	24 Aug 2016 14:56:39	245.1-7470a	386526hg1
sd 460-118778-H-10-C@5 - 1		-0.0180	ppb	Hg	-67	24 Aug 2016 14:58:31	245.1-7470a	386526hg1
460-118778-H-2-B - 1		-0.0091	ppb	Hg	-16	24 Aug 2016 15:00:22	245.1-7470a	386526hg1
460-118778-H-3-B - 1		-0.0053	ppb	Hg	6	24 Aug 2016 15:02:14	245.1-7470a	386526hg1
460-118778-H-4-B - 1		-0.0051	ppb	Hg	7	24 Aug 2016 15:04:05	245.1-7470a	386526hg1
460-118778-H-5-B - 1		-0.0060	ppb	Hg	2	24 Aug 2016 15:05:57	245.1-7470a	386526hg1
460-118778-H-6-B - 1		-0.0030	ppb	Hg	19	24 Aug 2016 15:07:50	245.1-7470a	386526hg1
460-118778-H-7-B - 1		-0.0025	ppb	Hg	22	24 Aug 2016 15:09:42	245.1-7470a	386526hg1
CCV - 1		100.7% 5.0374	ppb	Hg	28805	24 Aug 2016 15:11:34	245.1-7470a	386526hg1
CCB - 1		-0.0716	ppb	Hg	-373	24 Aug 2016 15:13:25	245.1-7470a	386526hg1
460-118778-H-8-B - 1		-0.0215	ppb	Hg	-87	24 Aug 2016 15:15:20	245.1-7470a	386526hg1
460-118778-H-9-B - 1		-0.0100	ppb	Hg	-21	24 Aug 2016 15:17:11	245.1-7470a	386526hg1
460-118778-H-11-B - 1		-0.0061	ppb	Hg	1	24 Aug 2016 15:19:03	245.1-7470a	386526hg1
460-118778-H-12-B - 1		-0.0065	ppb	Hg	-1	24 Aug 2016 15:20:55	245.1-7470a	386526hg1
460-118778-H-13-B - 1		-0.0053	ppb	Hg	6	24 Aug 2016 15:22:46	245.1-7470a	386526hg1
460-118778-H-14-B - 1		-0.0054	ppb	Hg	5	24 Aug 2016 15:24:38	245.1-7470a	386526hg1
460-118778-H-15-B - 1		-0.0047	ppb	Hg	9	24 Aug 2016 15:26:30	245.1-7470a	386526hg1
460-118850-E-1-F - 1		-0.0063	ppb	Hg	0	24 Aug 2016 15:28:22	245.1-7470a	386526hg1
460-118850-E-1-F - 1		-0.0035	ppb	Hg	16	24 Aug 2016 15:32:22	245.1-7470a	386526hg1
460-118850-E-2-D - 1		-0.0011	ppb	Hg	30	24 Aug 2016 15:34:13	245.1-7470a	386526hg1
CCV - 1		(L)-0.1% -0.0063	ppb	Hg	0	24 Aug 2016 15:36:06	245.1-7470a	386526hg1
CCV - 1		98.7% 4.9350	ppb	Hg	28220	24 Aug 2016 15:46:11	245.1-7470a	386526hg1
CCB - 1		-0.0709	ppb	Hg	-369	24 Aug 2016 15:48:02	245.1-7470a	386526hg1
460-118778-H-8-B - 1		-0.0222	ppb	Hg	-91	24 Aug 2016 15:49:56	245.1-7470a	386526hg1
460-118778-H-9-B - 1		-0.0116	ppb	Hg	-30	24 Aug 2016 15:51:48	245.1-7470a	386526hg1
460-118778-H-11-B - 1		-0.0070	ppb	Hg	-4	24 Aug 2016 15:53:39	245.1-7470a	386526hg1

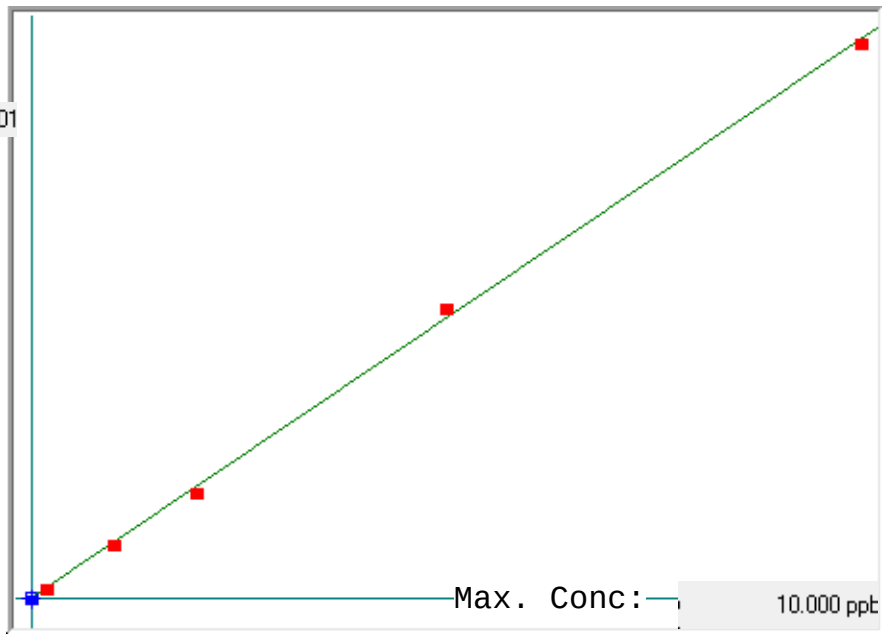
08242016-w

Method: 245.1-7470a Operator: Admin Date of Analysis: 24 Aug 2016 13:26:13

Sample ID	Extended ID	Conc.	Units	Element	µ Abs.	Date	Method	Chapter
460-118778-H-12-B - 1		-0.0056	ppb	Hg	4	24 Aug 2016 15:55:31	245.1-7470a	386526hg1
460-118778-H-13-B - 1		-0.0051	ppb	Hg	7	24 Aug 2016 15:57:22	245.1-7470a	386526hg1
460-118778-H-14-B - 1		-0.0035	ppb	Hg	16	24 Aug 2016 15:59:14	245.1-7470a	386526hg1
460-118778-H-15-B - 1		-0.0058	ppb	Hg	3	24 Aug 2016 16:01:06	245.1-7470a	386526hg1
460-118850-E-1-F - 1		-0.0019	ppb	Hg	25	24 Aug 2016 16:02:57	245.1-7470a	386526hg1
460-118850-E-2-D - 1		-0.0009	ppb	Hg	31	24 Aug 2016 16:04:49	245.1-7470a	386526hg1
CCV - 1		95.7% 4.7831	ppb	Hg	27353	24 Aug 2016 16:06:41	245.1-7470a	386526hg1
CCB - 1		-0.0611	ppb	Hg	-313	24 Aug 2016 16:08:32	245.1-7470a	386526hg1
460-118850-E-3-D - 1		-0.0180	ppb	Hg	-67	24 Aug 2016 16:10:26	245.1-7470a	386526hg1
460-118850-D-4-D - 1		-0.0102	ppb	Hg	-22	24 Aug 2016 16:12:18	245.1-7470a	386526hg1
MB 460-386533/1-A - 1		-0.0082	ppb	Hg	-11	24 Aug 2016 16:14:10	245.1-7470a	386526hg1
LCS 460-386533/2-A - 1		5.0869	ppb	Hg	29088	24 Aug 2016 16:16:03	245.1-7470a	386526hg1
460-118907-A-1-K - 1		-0.0630	ppb	Hg	-324	24 Aug 2016 16:17:55	245.1-7470a	386526hg1
460-118907-A-1-L DU - 1		-0.0243	ppb	Hg	-103	24 Aug 2016 16:19:49	245.1-7470a	386526hg1
460-118907-A-1-M MS - 1		4.8534	ppb	Hg	27754	24 Aug 2016 16:21:42	245.1-7470a	386526hg1
sd 460-118907-A-1-K@5 - 1		-0.0786	ppb	Hg	-413	24 Aug 2016 16:23:33	245.1-7470a	386526hg1
460-118847-D-1-C - 1		0.0453	ppb	Hg	295	24 Aug 2016 16:25:28	245.1-7470a	386526hg1
CCV - 1		97.9% 4.8936	ppb	Hg	27984	24 Aug 2016 16:27:20	245.1-7470a	386526hg1
CCB - 1		-0.0765	ppb	Hg	-401	24 Aug 2016 16:29:11	245.1-7470a	386526hg1
460-118847-D-2-E - 1		-0.0063	ppb	Hg	0	24 Aug 2016 16:31:07	245.1-7470a	386526hg1

245.1-7470a

Linear



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C= -6.3148e-003

Rho= 0.9996788

Accept= Accepted

Accepted Date=

08/24/16 13:45

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blk	0.000	-0.004	-0.004	11	0.000	11				
0.2 ppb	0.200	0.198	-0.002	1167	0.0 %	1167				
1.0 ppb	1.000	0.989	-0.011	5683	0.0 %	5683				
2.0 ppb	2.000	1.911	-0.089	10952	0.0 %	10952				
5.0 ppb	5.000	5.184	0.184	29644	0.0 %	29644				
10 ppb	10.000	9.922	-0.078	56701	0.0 %	56701				

08192016-s2

Method: 7471A/B soil Operator: Admin Date of Analysis: 19 Aug 2016 19:17:51

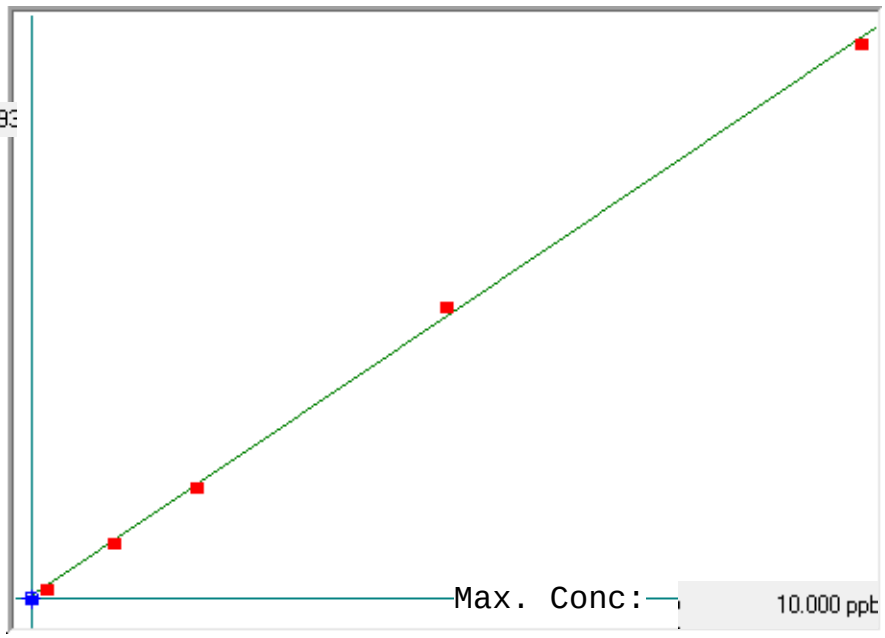
Sample ID	Extended ID	Conc.	Units	Element	µ Abs.	Date	Method	Chapter
Cal Blk - 1		-	ppb	Hg	230	19 Aug 2016 19:26:29	7471A/B soil	385761hg
0.2 ppb - 1		-	ppb	Hg	0	19 Aug 2016 19:28:21	7471A/B soil	385761hg
Cal Blk - 1		-	ppb	Hg	224	19 Aug 2016 19:30:22	7471A/B soil	385761hg
0.2 ppb - 1		-	ppb	Hg	1430	19 Aug 2016 19:32:13	7471A/B soil	385761hg
1.0 ppb - 1		-	ppb	Hg	7353	19 Aug 2016 19:34:06	7471A/B soil	385761hg
2.0 ppb - 1		-	ppb	Hg	14774	19 Aug 2016 19:35:58	7471A/B soil	385761hg
5.0 ppb - 1		-	ppb	Hg	38381	19 Aug 2016 19:37:50	7471A/B soil	385761hg
10.0 ppb - 1		-	ppb	Hg	72793	19 Aug 2016 19:39:43	7471A/B soil	385761hg
ICV - 1		100.4% 5.0222	ppb	Hg	37058	19 Aug 2016 19:41:36	7471A/B soil	385761hg
ICB - 1		-0.0955	ppb	Hg	-422	19 Aug 2016 19:43:34	7471A/B soil	385761hg
MB 460-385761/1-A - 1		-0.0669	ppb	Hg	-213	19 Aug 2016 19:45:28	7471A/B soil	385761hg
LCSSRM 460-385761/2-A@20 - 1		6.3618	ppb	Hg	46869	19 Aug 2016 19:47:19	7471A/B soil	385761hg
460-118881-A-12-A - 1		10.7930	ppb	Hg	79322	19 Aug 2016 19:49:10	7471A/B soil	385761hg
460-118881-A-12-B DU - 1		10.3759	ppb	Hg	76267	19 Aug 2016 19:51:05	7471A/B soil	385761hg
460-118881-A-12-C MS - 1		11.2020	ppb	Hg	82317	19 Aug 2016 19:52:59	7471A/B soil	385761hg
sd 460-118881-A-12-A@5 - 1		1.8182	ppb	Hg	13593	19 Aug 2016 19:54:53	7471A/B soil	385761hg
460-118881-A-6-A - 1		9.7011	ppb	Hg	71325	19 Aug 2016 19:56:51	7471A/B soil	385761hg
460-118857-E-1-A - 1		3.1436	ppb	Hg	23300	19 Aug 2016 19:58:43	7471A/B soil	385761hg
460-118857-E-2-A - 1		-0.0840	ppb	Hg	-338	19 Aug 2016 20:00:38	7471A/B soil	385761hg
460-118857-F-3-A - 1		1.3661	ppb	Hg	10282	19 Aug 2016 20:02:32	7471A/B soil	385761hg
CCV - 1		100.9% 5.0426	ppb	Hg	37208	19 Aug 2016 20:04:24	7471A/B soil	385761hg
CCB - 1		-0.0771	ppb	Hg	-287	19 Aug 2016 20:06:18	7471A/B soil	385761hg
460-118857-F-4-A - 1		-0.0280	ppb	Hg	72	19 Aug 2016 20:08:12	7471A/B soil	385761hg
460-118881-A-12-A@2 - 1		5.1734	ppb	Hg	38166	19 Aug 2016 20:10:04	7471A/B soil	385761hg
460-118881-A-12-B DU@2 - 1		4.8631	ppb	Hg	35893	19 Aug 2016 20:11:57	7471A/B soil	385761hg
460-118881-A-12-C MS@2 - 1		5.4334	ppb	Hg	40070	19 Aug 2016 20:13:51	7471A/B soil	385761hg
sd 460-118881-A-12-A@10 - 1		0.9121	ppb	Hg	6957	19 Aug 2016 20:15:45	7471A/B soil	385761hg
CCV - 1		100.7% 5.0340	ppb	Hg	37145	19 Aug 2016 20:17:39	7471A/B soil	385761hg
CCB - 1		-0.0877	ppb	Hg	-365	19 Aug 2016 20:19:32	7471A/B soil	385761hg

7471A/B soil

Linear

μ Abs.:

72793



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B= 1.3654e-004

C= -3.7866e-002

Rho= 0.9996374

Accept= Accepted

Accepted Date=

08/19/16 19:41

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blk	0.000	-0.007	-0.007	224	0.000	224				
0.2 ppb	0.200	0.157	-0.043	1430	0.0 %	1430				
1.0 ppb	1.000	0.966	-0.034	7353	0.0 %	7353				
2.0 ppb	2.000	1.979	-0.021	14774	0.0 %	14774				
5.0 ppb	5.000	5.203	0.203	38381	0.0 %	38381				
10.0 ppb	10.000	9.902	-0.098	72793	0.0 %	72793				

082216(TS)

Method: 7471A/B soil Operator: Admin Date of Analysis: 22 Aug 2016 07:42:03

Sample ID	Extended ID	Conc.	Units	Element	µ Abs.	Date	Method	Chapter
Cal Blk - 1		-	ppb	Hg	0	22 Aug 2016 07:54:51	7471A/B soil	385983HG1
Cal Blk - 1		-	ppb	Hg	38	22 Aug 2016 07:55:40	7471A/B soil	385983HG1
0.2 ppb - 1		-	ppb	Hg	1369	22 Aug 2016 07:57:32	7471A/B soil	385983HG1
1.0 ppb - 1		-	ppb	Hg	6621	22 Aug 2016 07:59:24	7471A/B soil	385983HG1
2.0 ppb - 1		-	ppb	Hg	13577	22 Aug 2016 08:01:16	7471A/B soil	385983HG1
5.0 ppb - 1		-	ppb	Hg	35257	22 Aug 2016 08:03:09	7471A/B soil	385983HG1
10.0 ppb - 1		-	ppb	Hg	69064	22 Aug 2016 08:05:01	7471A/B soil	385983HG1
ICV - 1		99.0% 4.9521	ppb	Hg	34297	22 Aug 2016 08:06:55	7471A/B soil	385983HG1
ICB - 1		-0.0924	ppb	Hg	-694	22 Aug 2016 08:08:53	7471A/B soil	385983HG1
mb 460-385983/10-a - 1		-0.0199	ppb	Hg	-191	22 Aug 2016 08:10:47	7471A/B soil	385983HG1
lcssrm 460-385983/11-a@20 - 1		7.1461	ppb	Hg	49516	22 Aug 2016 08:12:38	7471A/B soil	385983HG1
460-118949-a-6-i - 1		8.1140	ppb	Hg	56230	22 Aug 2016 08:14:30	7471A/B soil	385983HG1
460-118949-a-6-j du - 1		7.9095	ppb	Hg	54811	22 Aug 2016 08:16:24	7471A/B soil	385983HG1
460-118949-a-6-k ms - 1		9.4272	ppb	Hg	65339	22 Aug 2016 08:18:18	7471A/B soil	385983HG1
SD 460-118949-a-6-i@5 - 1		1.3777	ppb	Hg	9503	22 Aug 2016 08:20:15	7471A/B soil	385983HG1
460-118949-a-12-e - 1		8.4930	ppb	Hg	58859	22 Aug 2016 08:22:11	7471A/B soil	385983HG1
460-118811-a-1-b - 1		0.2029	ppb	Hg	1354	22 Aug 2016 08:24:05	7471A/B soil	385983HG1
460-118812-a-1-b - 1		0.0081	ppb	Hg	3	22 Aug 2016 08:26:00	7471A/B soil	385983HG1
460-118902-a-1-i - 1		0.2941	ppb	Hg	1987	22 Aug 2016 08:27:52	7471A/B soil	385983HG1
CCV - 1		100.9% 5.0469	ppb	Hg	34955	22 Aug 2016 08:29:44	7471A/B soil	385983HG1
CCB - 1		-0.0591	ppb	Hg	-463	22 Aug 2016 08:31:37	7471A/B soil	385983HG1
460-118902-a-2-e - 1		0.5424	ppb	Hg	3709	22 Aug 2016 08:33:31	7471A/B soil	385983HG1
460-118902-a-3-d - 1		0.6767	ppb	Hg	4641	22 Aug 2016 08:35:24	7471A/B soil	385983HG1
460-118902-a-4-d - 1		0.8434	ppb	Hg	5797	22 Aug 2016 08:37:16	7471A/B soil	385983HG1
460-118902-a-5-d - 1		3.2616	ppb	Hg	22571	22 Aug 2016 08:39:07	7471A/B soil	385983HG1
460-118902-a-6-d - 1		0.3620	ppb	Hg	2458	22 Aug 2016 08:40:59	7471A/B soil	385983HG1
460-118902-a-7-d - 1		0.8186	ppb	Hg	5625	22 Aug 2016 08:42:51	7471A/B soil	385983HG1
460-118902-a-8-d - 1		2.8762	ppb	Hg	19898	22 Aug 2016 08:44:43	7471A/B soil	385983HG1
460-118902-a-9-d - 1		8.3160	ppb	Hg	57631	22 Aug 2016 08:46:34	7471A/B soil	385983HG1
460-118902-a-10-d - 1		0.4590	ppb	Hg	3131	22 Aug 2016 08:48:27	7471A/B soil	385983HG1
460-118902-a-11-d - 1		0.5581	ppb	Hg	3818	22 Aug 2016 08:50:20	7471A/B soil	385983HG1
CCV - 1		101.1% 5.0528	ppb	Hg	34996	22 Aug 2016 08:52:13	7471A/B soil	385983HG1
CCB - 1		-0.0552	ppb	Hg	-436	22 Aug 2016 08:54:06	7471A/B soil	385983HG1
460-118902-a-12-d - 1		0.3923	ppb	Hg	2668	22 Aug 2016 08:56:00	7471A/B soil	385983HG1
460-118902-a-13-d - 1		0.4471	ppb	Hg	3048	22 Aug 2016 08:57:52	7471A/B soil	385983HG1
460-118902-a-14-d - 1		0.9914	ppb	Hg	6824	22 Aug 2016 08:59:44	7471A/B soil	385983HG1
460-118902-a-15-d - 1		0.2571	ppb	Hg	1730	22 Aug 2016 09:01:37	7471A/B soil	385983HG1
460-118902-a-16-d - 1		0.0836	ppb	Hg	527	22 Aug 2016 09:03:29	7471A/B soil	385983HG1
mb 460-385991/1-a - 1		0.0043	ppb	Hg	-23	22 Aug 2016 09:05:21	7471A/B soil	385983HG1
lcssrm 460-385991/2-a@20 - 1		7.2835	ppb	Hg	50469	22 Aug 2016 09:07:13	7471A/B soil	385983HG1
460-118952-f-5-a - 1		0.2904	ppb	Hg	1961	22 Aug 2016 09:09:04	7471A/B soil	385983HG1
460-118952-a-5-e du - 1		0.3400	ppb	Hg	2305	22 Aug 2016 09:10:58	7471A/B soil	385983HG1
460-118952-g-5-a ms - 1		1.4386	ppb	Hg	9926	22 Aug 2016 09:12:49	7471A/B soil	385983HG1
CCV - 1		104.3% 5.2130	ppb	Hg	36107	22 Aug 2016 09:14:41	7471A/B soil	385983HG1
CCB - 1		-0.0418	ppb	Hg	-343	22 Aug 2016 09:16:34	7471A/B soil	385983HG1
SD 460-118952-f-5-a@5 - 1		-0.0076	ppb	Hg	-106	22 Aug 2016 09:18:29	7471A/B soil	385983HG1
460-118902-a-17-d - 1		0.6875	ppb	Hg	4716	22 Aug 2016 09:20:20	7471A/B soil	385983HG1
460-118892-d-11-a - 1		0.1156	ppb	Hg	749	22 Aug 2016 09:22:12	7471A/B soil	385983HG1
460-118893-b-10-a - 1		0.0077	ppb	Hg	0	22 Aug 2016 09:24:04	7471A/B soil	385983HG1
460-118920-d-1-b - 1		0.3806	ppb	Hg	2587	22 Aug 2016 09:25:33	7471A/B soil	385983HG1
460-118922-b-1-f - 1		0.2559	ppb	Hg	1722	22 Aug 2016 09:27:25	7471A/B soil	385983HG1
460-118922-a-2-c - 1		0.5551	ppb	Hg	3797	22 Aug 2016 09:29:17	7471A/B soil	385983HG1
460-118922-a-3-c - 1		0.1135	ppb	Hg	734	22 Aug 2016 09:31:09	7471A/B soil	385983HG1
460-118926-d-1-a - 1		2.5637	ppb	Hg	17730	22 Aug 2016 09:33:01	7471A/B soil	385983HG1
460-118926-d-2-a - 1		0.1256	ppb	Hg	818	22 Aug 2016 09:34:53	7471A/B soil	385983HG1
CCV - 1		102.8% 5.1408	ppb	Hg	35606	22 Aug 2016 09:36:46	7471A/B soil	385983HG1
CCB - 1		-0.0545	ppb	Hg	-431	22 Aug 2016 09:38:39	7471A/B soil	385983HG1
460-118926-e-3-a - 1		2.6898	ppb	Hg	18605	22 Aug 2016 09:40:33	7471A/B soil	385983HG1
460-118926-d-4-a - 1		2.6267	ppb	Hg	18167	22 Aug 2016 09:42:25	7471A/B soil	385983HG1
460-118926-d-5-a - 1		4.3180	ppb	Hg	29899	22 Aug 2016 09:44:18	7471A/B soil	385983HG1
460-118926-d-6-a - 1		-0.0187	ppb	Hg	-183	22 Aug 2016 09:46:11	7471A/B soil	385983HG1
460-118926-d-7-a - 1		2.8057	ppb	Hg	19409	22 Aug 2016 09:48:05	7471A/B soil	385983HG1
460-118938-a-3-c - 1		0.2281	ppb	Hg	1529	22 Aug 2016 09:49:57	7471A/B soil	385983HG1
460-118952-b-2-a - 1		0.0077	ppb	Hg	0	22 Aug 2016 09:51:51	7471A/B soil	385983HG1
460-118952-f-4-a - 1		0.2868	ppb	Hg	1936	22 Aug 2016 09:53:17	7471A/B soil	385983HG1
460-118952-g-6-a - 1		0.3542	ppb	Hg	2404	22 Aug 2016 09:55:09	7471A/B soil	385983HG1
460-118928-e-1-a - 1		0.0833	ppb	Hg	525	22 Aug 2016 09:57:01	7471A/B soil	385983HG1
CCV - 1		101.0% 5.0485	ppb	Hg	34966	22 Aug 2016 09:58:54	7471A/B soil	385983HG1
CCB - 1		-0.0461	ppb	Hg	-373	22 Aug 2016 10:00:46	7471A/B soil	385983HG1
mb 460-386003/1-a - 1		-0.0122	ppb	Hg	-138	22 Aug 2016 10:02:39	7471A/B soil	385983HG1
lcssrm 460-386003/2-a@20 - 1		7.2663	ppb	Hg	50350	22 Aug 2016 10:04:31	7471A/B soil	385983HG1
460-118857-f-5-c - 1		1.7091	ppb	Hg	11802	22 Aug 2016 10:06:23	7471A/B soil	385983HG1
460-118857-a-5-e du - 1		1.8050	ppb	Hg	12467	22 Aug 2016 10:08:18	7471A/B soil	385983HG1
460-118857-e-5-d ms - 1		2.6460	ppb	Hg	18301	22 Aug 2016 10:10:10	7471A/B soil	385983HG1
SD 460-118857-f-5-c@5 - 1		0.3475	ppb	Hg	2357	22 Aug 2016 10:12:04	7471A/B soil	385983HG1
460-118857-f-6-b - 1		1.7346	ppb	Hg	11979	22 Aug 2016 10:13:58	7471A/B soil	385983HG1
460-118857-e-7-b - 1		8.6528	ppb	Hg	59967	22 Aug 2016 10:15:50	7471A/B soil	385983HG1
460-118857-f-8-b - 1		4.5820	ppb	Hg	31730	22 Aug 2016 10:17:43	7471A/B soil	385983HG1
460-118857-e-9-b - 1		3.4605	ppb	Hg	23951	22 Aug 2016 10:19:38	7471A/B soil	385983HG1
CCV - 1		97.2% 4.8602	ppb	Hg	33660	22 Aug 2016 10:21:33	7471A/B soil	385983HG1
CCB - 1		-0.0732	ppb	Hg	-561	22 Aug 2016 10:23:27	7471A/B soil	385983HG1
460-118857-e-10-b - 1		0.0183	ppb	Hg	74	22 Aug 2016 10:25:21	7471A/B soil	385983HG1
460-118857-e-11-b - 1		0.0198	ppb	Hg	84	22 Aug 2016 10:27:13	7471A/B soil	385983HG1
460-118857-f-12-b - 1		0.0366	ppb	Hg	201	22 Aug 2016 10:29:05	7471A/B soil	385983HG1
460-118857-e-13-b - 1		2.2451	ppb	Hg	15520	22 Aug 2016 10:30:57	7471A/B soil	385983HG1
460-118857-e-14-b - 1		0.0028	ppb	Hg	-34	22 Aug 2016 10:32:49	7471A/B soil	385983HG1
460-118810-d-3-b - 1		2.5853	ppb	Hg	17880	22 Aug 2016 10:34:43	7471A/B soil	385983HG1
460-118895-d-1-b - 1		0.1974	ppb	Hg	1316	22 Aug 2016 10:36:34	7471A/B soil	385983HG1
460-118895-e-2-c - 1		1.2385	ppb	Hg	8538	22 Aug 2016 10:38:27	7471A/B soil	385983HG1
460-118895-e-3-b - 1		0.4786	ppb	Hg	3267	22 Aug 2016 10:40:20	7471A/B soil	385983HG1
460-118893-b-10-a - 1		3.3142	ppb	Hg	22936	22 Aug 2016 10:42:12	7471A/B soil	385983HG1
CCV - 1		100.8% 5.0390	ppb	Hg	34900	22 Aug 2016 10:44:05	7471A/B soil	385983HG1
CCB - 1		-0.0638	ppb	Hg	-496	22 Aug 2016 10:45:59	7471A/B soil	385983HG1
460-118952-b-2-a - 1		0.2066	ppb	Hg	1380	22 Aug 2016 10:47:53	7471A/B soil	385983HG1
SD 460-118949-a-6-i@5 - 1		1.7[illegible]	ppb	Hg	12006	22 Aug 2016 10:49:46	7471A/B soil	385983HG1
CCV - 1		102.4% 5.1212	ppb	Hg	35470	22 Aug 2016 10:51:38	7471A/B soil	385983HG1

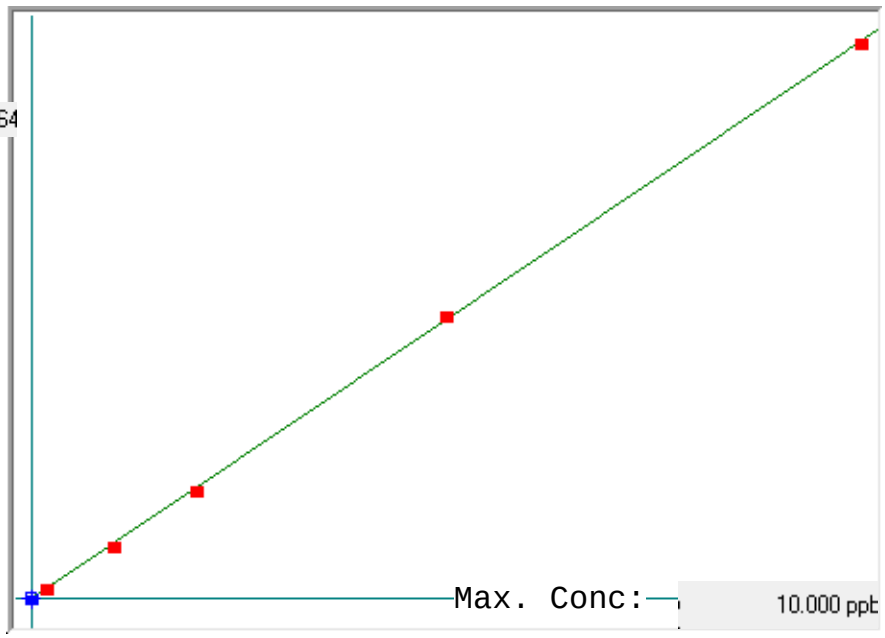
082216(TS)

Method: 7471A/B soil Operator: Admin Date of Analysis: 22 Aug 2016 07:42:03

Sample ID	Extended ID	Conc.	Units	Element	µ Abs.	Date	Method	Chapter
CCB - 1		-0.0529	ppb	Hg	-420	22 Aug 2016 10:53:31	7471A/B soil	385983HG1

7471A/B soil

Linear



A= 0.0000e+000

B= 1.4416e-004

C= 7.6613e-003

Rho= 0.9999177

Accept=Accepted

Accepted Date=

08/22/16 08:06

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blk	0.000	0.013	0.013	38	0.000	38				
0.2 ppb	0.200	0.205	0.005	1369	0.0 %	1369				
1.0 ppb	1.000	0.962	-0.038	6621	0.0 %	6621				
2.0 ppb	2.000	1.965	-0.035	13577	0.0 %	13577				
5.0 ppb	5.000	5.090	0.090	35257	0.0 %	35257				
10.0 ppb	10.000	9.964	-0.036	69064	0.0 %	69064				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385938 Batch Start Date: 08/20/16 16:27 Batch Analyst: Esteban, Edgardo A

Batch Method: 3050B Batch End Date: 08/20/16 21:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00058	ME_LCSS_92 00001	
MB 460-385938/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-385938/2		3050B, 6010C		CALC NOT SET TO RUN	1.03 g	50 mL		1.03 g	
460-118857-E-5	SB-8 (2-4) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	50 mL			
460-118857-A-5 DU	SB-8 (2-4) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.22 g	50 mL			
460-118857-E-5 MS	SB-8 (2-4) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.21 g	50 mL	2 mL		

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	0000135237
Lot # of hydrochloric acid	4116020
Logbook ID for diluted Nitric	MPR295
Lot # of Nitric Acid	0000141598
Hot Block ID	#1
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#65
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J244839-9884 (50 ml Dg tube)
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385941 Batch Start Date: 08/20/16 16:27 Batch Analyst: Esteban, Edgardo A

Batch Method: 3050B Batch End Date: 08/20/16 21:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00058	ME_LCSS_92 00001	
MB 460-385941/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-385941/2		3050B, 6010C		CALC NOT SET TO RUN	1.01 g	50 mL		1.01 g	
460-118876-A-7 DU		3050B, 6010C	T	CALC NOT SET TO RUN	1.26 g	50 mL			
460-118876-A-7 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.30 g	50 mL	2 mL		
460-118857-E-1	SB-10 (2-4) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.22 g	50 mL			
460-118857-E-2	SB-10 (13-15) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.31 g	50 mL			
460-118857-F-3	SB-9 (2-4) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.24 g	50 mL			
460-118857-F-4	SB-9 (12-14) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.35 g	50 mL			
460-118857-F-6	SB-8 (13-15) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.29 g	50 mL			
460-118857-E-7	SB-4 (3-5) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.29 g	50 mL			
460-118857-E-8	SB-4 (11-13) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.29 g	50 mL			
460-118857-E-9	SB-6 (2-4) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.22 g	50 mL			
460-118857-E-10	SB-6 (13-15) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.22 g	50 mL			
460-118857-E-11	SB-5 (2-4) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.28 g	50 mL			
460-118857-F-12	SB-5 (13-15) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.23 g	50 mL			
460-118857-E-13	SB-7 (2-4) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.26 g	50 mL			
460-118857-E-14	SB-7 (13-15) 08182016	3050B, 6010C	T	CALC NOT SET TO RUN	1.22 g	50 mL			

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385941 Batch Start Date: 08/20/16 16:27 Batch Analyst: Esteban, Edgardo A

Batch Method: 3050B Batch End Date: 08/20/16 21:30

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	0000135237
Lot # of hydrochloric acid	4116020
Logbook ID for diluted Nitric	MPR295
Lot # of Nitric Acid	0000141598
Hot Block ID	#1
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#65
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J244839-9884 (50 ml Dg tube)
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385942 Batch Start Date: 08/20/16 18:17 Batch Analyst: Esteban, Edgardo A

Batch Method: 3050B Batch End Date: 08/20/16 23:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00058	ME_LCSS_92 00001	
MB 460-385942/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-385942/2		3050B, 6010C		CALC NOT SET TO RUN	1.03 g	50 mL		1.03 g	
460-118911-D-8 DU		3050B, 6010C	T	CALC NOT SET TO RUN	1.25 g	50 mL			
460-118911-D-8 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.29 g	50 mL	2 mL		
460-118926-F-1	SB-1(2-4) -08192016	3050B, 6010C	T	CALC NOT SET TO RUN	1.35 g	50 mL			
460-118926-E-2	SB-1(12-14) -08192016	3050B, 6010C	T	CALC NOT SET TO RUN	1.30 g	50 mL			
460-118926-F-3	SB-2(2-4)08192016	3050B, 6010C	T	CALC NOT SET TO RUN	1.28 g	50 mL			
460-118926-E-4	SB-2(10-12)08192016	3050B, 6010C	T	CALC NOT SET TO RUN	1.26 g	50 mL			
460-118926-E-5	SB-3(2-4)08192016	3050B, 6010C	T	CALC NOT SET TO RUN	1.26 g	50 mL			
460-118926-E-6	SB-3(13-15)08192016	3050B, 6010C	T	CALC NOT SET TO RUN	1.26 g	50 mL			
460-118926-F-7	SB-X08192016	3050B, 6010C	T	CALC NOT SET TO RUN	1.33 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	0000135237
Lot # of hydrochloric acid	4116020
Logbook ID for diluted Nitric	MPR295
Lot # of Nitric Acid	0000141598
Hot Block ID	#3
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#65
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J244839-9884 (50 ml Dg tube)
Uncorrected Temperature	96c Celsius

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385942 Batch Start Date: 08/20/16 18:17 Batch Analyst: Esteban, Edgardo A

Batch Method: 3050B Batch End Date: 08/20/16 23:30

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386232 Batch Start Date: 08/23/16 08:20 Batch Analyst: Chen, Mandi

Batch Method: 3010A Batch End Date: 08/23/16 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00058			
MB 460-386232/1		3010A, 6010C		50 mL	50 mL				
LCS 460-386232/2		3010A, 6010C		50 mL	50 mL	1 mL			
460-118859-D-1 DU		3010A, 6010C	T	50 mL	50 mL				
460-118859-D-1 MS		3010A, 6010C	T	50 mL	50 mL	1 mL			
460-118926-D-8	FB08192016	3010A, 6010C	T	50 mL	50 mL				

Batch Notes	
Batch Comment	1:1 DHCL LOT MPR 308
Lot # of Nitric Acid	0000141598
Hot Block ID	HB#3
Oven, Bath or Block Temperature 1	97 uncorr, 95 corr Degrees C
Pipette ID	#43
Thermometer ID	ICP-3 (CF-2)
Digestion Tube/Cup ID	J246757-9884 (100ml Digi Tube)

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386526 Batch Start Date: 08/24/16 09:00 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 08/24/16 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 02543	ME_DQCS-INT 02267		
MB 460-386526/1		7470A, 7470A		30 mL	30 mL				
LCS 460-386526/2		7470A, 7470A		30 mL	30 mL	0.3 mL			
460-118898-A-4 DU		7470A, 7470A	T	30 mL	30 mL				
460-118898-G-4 MS		7470A, 7470A	T	30 mL	30 mL	0.3 mL			
460-118926-D-8	FB08192016	7470A, 7470A	T	30 mL	30 mL				
ICV 460-386526/30		7470A, 7470A		30 mL	30 mL		1.5 mL		
CCV 460-386526/32		7470A, 7470A		30 mL	30 mL	1.5 mL			

Batch Notes	
Hydroxylamine Hydrochloride ID	4464588
Sulfuric Acid Lot Number	0000110063
Lot # of hydrochloric acid	00034
Lot # of Nitric Acid	0000124258
Hood ID	# 2
Hot Block ID	3,9
Potassium Persulfate ID	4464590
Potassium Permanganate ID	4461843
NaCl ID	4464588
Pipette ID	# 66,44,48
Stannous Chloride ID	00040
Temperature	98 uncorr, 95 corr. Degrees C
Thermometer ID	prep-2(cf-3)
Digestion Tube/Cup ID	1509104-7a-5354-tt

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385761 Batch Start Date: 08/19/16 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7471B Batch End Date: 08/19/16 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCSS_92 00001			
MB 460-385761/1		7471B, 7471B		0.60 g	50 mL				
LCSSRM 460-385761/2		7471B, 7471B		0.60 g	50 mL	0.6 g			
460-118857-E-1	SB-10 (2-4) 08182016	7471B, 7471B	T	0.64 g	50 mL				
460-118857-E-2	SB-10 (13-15) 08182016	7471B, 7471B	T	0.63 g	50 mL				
460-118857-F-3	SB-9 (2-4) 08182016	7471B, 7471B	T	0.64 g	50 mL				
460-118857-F-4	SB-9 (12-14) 08182016	7471B, 7471B	T	0.66 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride ID	4464589
Balance ID	33
Sulfuric Acid Lot Number	`
Lot # of hydrochloric acid	4460334
Lot # of Nitric Acid	0000111528
Hot Block ID	3
Potassium Permanganate ID	4461844
NaCl ID	4464589
Pipette ID	66,,44,48
Stannous Chloride ID	4461899
Thermometer ID	Prep -2(cf-3)
Digestion Tube/Cup ID	1509104-7a-5354-tt

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385991 Batch Start Date: 08/22/16 04:51 Batch Analyst: Staib, Thomas

Batch Method: 7471B Batch End Date: 08/22/16 07:51

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 02541	ME_LCSS_92 00001		
MB 460-385991/1		7471B, 7471B		0.60 g	50 mL				
LCSSRM 460-385991/2		7471B, 7471B		0.60 g	50 mL		0.6 g		
460-118952-A-5 DU		7471B, 7471B	T	0.67 g	50 mL				
460-118952-G-5 MS		7471B, 7471B	T	0.67 g	50 mL	0.5 mL			
460-118926-D-1	SB-1(2-4) -08192016	7471B, 7471B	T	0.66 g	50 mL				
460-118926-D-2	SB-1(12-14) -08192016	7471B, 7471B	T	0.61 g	50 mL				
460-118926-E-3	SB-2(2-4)08192016	7471B, 7471B	T	0.62 g	50 mL				
460-118926-D-4	SB-2(10-12)08192016	7471B, 7471B	T	0.64 g	50 mL				
460-118926-D-5	SB-3(2-4)08192016	7471B, 7471B	T	0.60 g	50 mL				
460-118926-D-6	SB-3(13-15)08192016	7471B, 7471B	T	0.62 g	50 mL				
460-118926-D-7	SB-X08192016	7471B, 7471B	T	0.60 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride ID	ME_NAClHyDlHCl_00031
Balance ID	#35
Batch Comment	10%HCl - ME_10%HCL_00033
Lot # of hydrochloric acid	4116020
Lot # of Nitric Acid	0000138698
Hot Block ID	#3
Potassium Permanganate ID	ME_PotPermSol_00027
NaCl ID	ME_NAClHyDlHCl_00031
Oven, Bath or Block Temperature 1	98 uncorr 95 corr Celsius
Pipette ID	#65
Stannous Chloride ID	ME_StannousCL_00038
Thermometer ID	Prep-2 (CF -3)
Digestion Tube/Cup ID	1512329-8C-6116-KK

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 385991 Batch Start Date: 08/22/16 04:51 Batch Analyst: Staib, Thomas

Batch Method: 7471B Batch End Date: 08/22/16 07:51

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386003 Batch Start Date: 08/22/16 05:16 Batch Analyst: Staib, Thomas

Batch Method: 7471B Batch End Date: 08/22/16 08:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 02541	ME_LCSS_92 00001		
MB 460-386003/1		7471B, 7471B		0.60 g	50 mL				
LCSSRM 460-386003/2		7471B, 7471B		0.60 g	50 mL		0.6 g		
460-118857-F-5	SB-8 (2-4) 08182016	7471B, 7471B	T	0.65 g	50 mL				
460-118857-A-5 DU	SB-8 (2-4) 08182016	7471B, 7471B	T	0.65 g	50 mL				
460-118857-E-5 MS	SB-8 (2-4) 08182016	7471B, 7471B	T	0.65 g	50 mL	0.5 mL			
460-118857-F-6	SB-8 (13-15) 08182016	7471B, 7471B	T	0.64 g	50 mL				
460-118857-E-7	SB-4 (3-5) 08182016	7471B, 7471B	T	0.61 g	50 mL				
460-118857-F-8	SB-4 (11-13) 08182016	7471B, 7471B	T	0.66 g	50 mL				
460-118857-E-9	SB-6 (2-4) 08182016	7471B, 7471B	T	0.64 g	50 mL				
460-118857-E-10	SB-6 (13-15) 08182016	7471B, 7471B	T	0.65 g	50 mL				
460-118857-E-11	SB-5 (2-4) 08182016	7471B, 7471B	T	0.67 g	50 mL				
460-118857-F-12	SB-5 (13-15) 08182016	7471B, 7471B	T	0.66 g	50 mL				
460-118857-E-13	SB-7 (2-4) 08182016	7471B, 7471B	T	0.60 g	50 mL				
460-118857-E-14	SB-7 (13-15) 08182016	7471B, 7471B	T	0.62 g	50 mL				

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386003 Batch Start Date: 08/22/16 05:16 Batch Analyst: Staib, Thomas

Batch Method: 7471B Batch End Date: 08/22/16 08:16

Batch Notes	
Hydroxylamine Hydrochloride ID	ME_NAClHyDlHCl_00031
Balance ID	#35
Batch Comment	10%HCl - ME_10%HCl_00033
Lot # of hydrochloric acid	4116020
Lot # of Nitric Acid	0000138698
Hot Block ID	#9
Potassium Permanganate ID	ME_PotPermSol_00027
NaCl ID	ME_NAClHyDlHCl_00031
Oven, Bath or Block Temperature 1	98 uncorr 95 corr Celsius
Pipette ID	#65
Stannous Chloride ID	ME_StannousCl_00038
Thermometer ID	Prep-2 (CF -3)
Digestion Tube/Cup ID	1512329-8C-6116-KK

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG No.:

Project: 85 Jay Street

Client Sample ID	Lab Sample ID
SB-10 (2-4) 08182016	460-118857-1
SB-10 (13-15) 08182016	460-118857-2
SB-9 (2-4) 08182016	460-118857-3
SB-9 (12-14) 08182016	460-118857-4
SB-8 (2-4) 08182016	460-118857-5
SB-8 (13-15) 08182016	460-118857-6
SB-4 (3-5) 08182016	460-118857-7
SB-4 (11-13) 08182016	460-118857-8
SB-6 (2-4) 08182016	460-118857-9
SB-6 (13-15) 08182016	460-118857-10
SB-5 (2-4) 08182016	460-118857-11
SB-5 (13-15) 08182016	460-118857-12
SB-7 (2-4) 08182016	460-118857-13
SB-7 (13-15) 08182016	460-118857-14
SB-1(2-4)-08192016	460-118926-1
SB-1(12-14)-08192016	460-118926-2
SB-2(2-4)08192016	460-118926-3
SB-2(10-12)08192016	460-118926-4
SB-3(2-4)08192016	460-118926-5
SB-3(13-15)08192016	460-118926-6
SB-X08192016	460-118926-7

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-118857-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/23/2016 10:08 End Date: 08/23/2016 10:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			10:08																				
ZZZZZZ			10:08																				
ZZZZZZ			10:08																				
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ZZZZZZ			10:08																				
ZZZZZZ			10:08																				
ZZZZZZ			10:08																				
460-118857-1	1	T	10:08	X	X																		
460-118857-2	1	T	10:08	X	X																		
460-118857-3	1	T	10:08	X	X																		
460-118857-4	1	T	10:08	X	X																		
460-118857-5	1	T	10:08	X	X																		
460-118857-5 MS	1	T	10:08	X	X																		
460-118857-5 MSD	1	T	10:08	X	X																		
460-118857-5 DU	1	T	10:08	X	X																		
460-118857-6	1	T	10:08	X	X																		
460-118857-8	1	T	10:08	X	X																		
460-118857-9	1	T	10:08	X	X																		
460-118857-10	1	T	10:08	X	X																		
460-118857-11	1	T	10:08	X	X																		
460-118857-11 DU	1	T	10:08	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/23/2016 10:59 End Date: 08/23/2016 10:59

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			10:59																					
460-118857-7	1	T	10:59	X	X																			
460-118857-12	1	T	10:59	X	X																			
460-118857-13	1	T	10:59	X	X																			
460-118857-14	1	T	10:59	X	X																			
ZZZZZZ			10:59																					
ZZZZZZ			10:59																					
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ZZZZZZ			10:59																					
460-118876-A-7 DU	1	T	10:59	X	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/24/2016 15:11 End Date: 08/24/2016 15:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			15:11																				
ZZZZZZ			15:11																				
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ZZZZZZ			15:11																				
ZZZZZZ			15:11																				
460-118926-1	1	T	15:11	X	X																		
460-118926-2	1	T	15:11	X	X																		
460-118926-3	1	T	15:11	X	X																		
460-118926-4	1	T	15:11	X	X																		
460-118926-5	1	T	15:11	X	X																		
460-118926-6	1	T	15:11	X	X																		
460-118926-6 DU	1	T	15:11	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/24/2016 15:32 End Date: 08/24/2016 15:32

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			15:32																					
460-118926-7	1	T	15:32	X	X																			
ZZZZZZ			15:32																					
ZZZZZZ			15:32																					
ZZZZZZ			15:32																					
ZZZZZZ			15:32																					
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ZZZZZZ			15:32																					
ZZZZZZ			15:32																					
460-118942-A-1 DU	1	T	15:32	X	X																			

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386251 Batch Start Date: 08/23/16 10:08 Batch Analyst: Aumack, Kyle J

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-118857-F-1	SB-10 (2-4) 08182016	Moisture	T	154	0.98 g	6.46 g	5.85 g		
460-118857-F-2	SB-10 (13-15) 08182016	Moisture	T	155	0.98 g	7.76 g	7.58 g		
460-118857-E-3	SB-9 (2-4) 08182016	Moisture	T	156	0.97 g	6.81 g	6.00 g		
460-118857-F-4	SB-9 (12-14) 08182016	Moisture	T	157	1.01 g	6.78 g	6.55 g		
460-118857-F-5	SB-8 (2-4) 08182016	Moisture	T	158	1.00 g	7.14 g	6.83 g		
460-118857-F-5 MS	SB-8 (2-4) 08182016	Moisture	T	159	1.00 g	7.14 g	6.83 g		
460-118857-F-5 MSD	SB-8 (2-4) 08182016	Moisture	T	160	1.00 g	7.14 g	6.83 g		
460-118857-F-5 DU	SB-8 (2-4) 08182016	Moisture	T	161	0.96 g	7.14 g	6.89 g		
460-118857-F-6	SB-8 (13-15) 08182016	Moisture	T	162	0.95 g	6.66 g	6.01 g		
460-118857-F-8	SB-4 (11-13) 08182016	Moisture	T	163	1.04 g	6.96 g	5.81 g		
460-118857-E-9	SB-6 (2-4) 08182016	Moisture	T	164	1.05 g	6.32 g	5.99 g		
460-118857-E-10	SB-6 (13-15) 08182016	Moisture	T	165	1.04 g	7.40 g	7.14 g		
460-118857-E-11	SB-5 (2-4) 08182016	Moisture	T	166	1.05 g	7.22 g	7.06 g		
460-118857-E-11 DU	SB-5 (2-4) 08182016	Moisture	T	167	1.05 g	7.23 g	7.02 g		

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386251 Batch Start Date: 08/23/16 10:08 Batch Analyst: Aumack, Kyle J

Batch Method: Moisture Batch End Date:

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	08/23/16
Oven Temp In	105 Degrees C
Time samples were place in the oven	1059
Date samples were removed from oven	08/24/16
Oven Temp Out	111 Degrees C
Time Samples were removed from oven	0854
Oven ID	oven #2
Thermometer ID	116941
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	111 Celsius

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386272 Batch Start Date: 08/23/16 10:59 Batch Analyst: Aumack, Kyle J

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-118857-E-7	SB-4 (3-5) 08182016	Moisture	T	173	0.98 g	7.64 g	7.16 g		
460-118857-F-12	SB-5 (13-15) 08182016	Moisture	T	174	0.99 g	6.67 g	6.46 g		
460-118857-E-13	SB-7 (2-4) 08182016	Moisture	T	175	1.03 g	6.37 g	5.85 g		
460-118857-E-14	SB-7 (13-15) 08182016	Moisture	T	176	1.02 g	6.75 g	6.51 g		
460-118876-A-7 DU		Moisture	T	193	1.01 g	7.77 g	7.13 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	08/23/16
Oven Temp In	105 Degrees C
Time samples were place in the oven	1127
Date samples were removed from oven	08/24/16
Oven Temp Out	111 Degrees C
Time Samples were removed from oven	0854
Oven ID	oven #2
Thermometer ID	116941
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	111 Celsius

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386571 Batch Start Date: 08/24/16 15:11 Batch Analyst: Aumack, Kyle J

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-118926-F-1	SB-1(2-4) -08192016	Moisture	T	94	0.97 g	6.33 g	5.93 g		
460-118926-F-2	SB-1(12-14) -08192016	Moisture	T	95	0.96 g	6.95 g	6.64 g		
460-118926-E-3	SB-2(2-4)08192016	Moisture	T	96	1.01 g	8.07 g	7.34 g		
460-118926-E-4	SB-2(10-12)08192016	Moisture	T	97	1.04 g	7.53 g	6.97 g		
460-118926-E-5	SB-3(2-4)08192016	Moisture	T	98	1.01 g	7.26 g	6.75 g		
460-118926-E-6	SB-3(13-15)08192016	Moisture	T	99	1.03 g	6.73 g	6.43 g		
460-118926-E-6 DU	SB-3(13-15)08192016	Moisture	T	100	1.03 g	6.72 g	6.46 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	08/24/16
Oven Temp In	105 Degrees C
Time samples were place in the oven	1531
Date samples were removed from oven	8/25/16
Oven Temp Out	102 Degrees C
Time Samples were removed from oven	0901
Oven ID	3
Thermometer ID	117021
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	102 Celsius

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-118857-1

SDG No.:

Batch Number: 386578 Batch Start Date: 08/24/16 15:32 Batch Analyst: Aumack, Kyle J

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-118926-E-7	SB-X08192016	Moisture	T	102	1.03 g	7.00 g	6.65 g		
460-118942-A-1 DU		Moisture	T	122	0.97 g	7.56 g	6.59 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	08/24/16
Oven Temp In	105 Degrees C
Time samples were place in the oven	1717
Date samples were removed from oven	8/25/16
Oven Temp Out	100 Degrees C
Time Samples were removed from oven	0913
Oven ID	2
Thermometer ID	116941
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	100 Celsius

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Margo Davis	Samplers Name (Printed) Margo Davis	Site/Project Identification 85 Jay Street
Company AKRF	P. O. # 12519	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address 340 Park Avenue South	Analysis Turnaround Time: Standard ☒	
City New York State NY	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 6463889570 Fax		

Sample Identification	Date	Time	Matrix	No. of Cont.	VOCs	SVOCs - BN	PCBs	TAL metals	Sample Numbers
SB-10(2-4) 08182016	8/18/16	0830	S	6	X	X	X	X	1
SB-10(13-15) 08182016		0856	S	6	X	X	X	X	2
SB-9 (2-4) 08182016		0931			X	X	X	X	3
SB-9(12-14) 08182016		0943			X	X	X	X	4
SB-8(2-4) 08182016		1044			X	X	X	X	5
SB-8 (13-15) 08182016		1050			X	X	X	X	6
SB-4 (3-5) 08182016		1138			X	X	X	X	7
SB-4 (11-13) 08182016		1152			X	X	X	X	8
SB-6 (2-4) 08182016		1233			X	X	X	X	9
SB-6 (13-15) 08182016		1255			X	X	X	X	10

LAB USE ONLY
Project No:
Job No: 118857

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____

Soil:
Water:

Special Instructions

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Margo Davis	AKRF	08/18/16 1533	1)	T. A
2)	T. A	8/12/16 17:00	2) Kelly Ulmer	TA 8/18/16 1700
3)			3)	
4)			4)	

SHORT HOLD

460-118857 Chain of Custody

Laboratory Certifications: Ne ...), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rh...
Massachusetts (M-NJ312), North ... ...rd (No. 578)

2.5/2.5 TRK 7 N.C.

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice)	Samplers Name (Printed)	Site/Project Identification
Company same as	P. O. #	State (Location of site): NJ: ☐ NY: ☐ Other:
Address PJ 1.		Regulatory Program:
City State	Analysis Turnaround Time: Standard ☐ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No:
Phone Fax		Job No: 188857

Sample Identification	Date	Time	Matrix	No. of Cont.	VOCs	SVOCs - BN	PCBs	TAL metals	Sample Numbers
SB-5(2-4) 08182016	8/18/16	1358	S	6	X	X	X	X	11
SB-5 (13-15) 08182016		1410			X	X	X	X	12
SB-7 (2-4) 08182016		1442			X	X	X	X	13
SB-7 (13-15) 08182016		1450			X	X	X	X	14
SB-8(2-4) 08182016 MS		1055			X	X	X	X	~~15~~ 5 (FW)
SB-8(2-4) 08182016 MSD		1055			X	X	X	X	~~15~~ 5
TB 08182016					X				15

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water:

Special Instructions Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	ACRF	08/18/16 1533	1)	T. A
2)	T. A	8/18/16 17:00	2) Kelly	TA 8/18/16 1700
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0814)

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 118857

Number of Coolers: 1 IR Gun # 7

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.6 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 8/18/16

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

460-118926 Chain of Custody

CHAIN OF CUSTODY REQUEST

Page 1 of 1

Name (for report and invoice) Margo Davis	Samplers Name (Printed) Margo Davis	Site/Project Identification 45 Jay Street
Company AKRF	P. O. # 12519	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address 440 Park Avenue South	Analysis Turnaround Time: Standard ☒	
City New York State NY	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 6463889570 Fax		

Sample Identification	Date	Time	Matrix	No. of Cont.	VOC	SVOC - 8270	PCBs	TAL metals	LAB USE ONLY Sample Numbers
SB-1 (2-4) 08192016	8/19/16	0814	S	6	X	X	X	X	-1
SB-1 (12-14) 08192016		0840		6	X	X	X	X	-2
SB-2 (2-4) 08192016		0902		6	X	X	X	X	-3
SB-2 (10-12) 08192016		0920		6	X	X	X	X	-4
SB-3 (2-4) 08192016		0942		6	X	X	X	X	-5
SB-3 (13-15) 08192016		0955		6	X	X	X	X	-6
SB-X 08192016				6	X	X	X	X	-7
FB 08192016		1015	AQ	8	X	X	X	X	-8
TB 08192016		(NA)	AQ	3	X				-9

Job No: 118926

SHORT HOLD

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water:

Special Instructions: close sdg

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	AKRF	08/19/16 1046	1)	TA
Relinquished by 2)	Company T. Lo	Date / Time 8/19/16 1620	Received by 2)	Company TAL
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0814)

1-8/1.8 EKA 7 Noes

Job Number: 118926 / 118826

TestAmerica Edison
Receipt Temperature and pH Log

Number of Coolers: 1 IR Gun #: 7

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.9 °C	1.8 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
8				22								>12			

If pH adjustments are required record the information below:

Sample No(s). adjusted: NA

Preservative Name/Conc.: NA Volume of Preservative used (ml): NA

Lot # of Preservative(s): NA Expiration Date: NA

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 8/19/16

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-118857-1

Login Number: 118857
List Number: 1
Creator: Wisnewski, Kelly R

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C, IR#7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	See NCM
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-118857-1

Login Number: 118926
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8°C, IR #7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.